

**China Minerals Mining Corporation**

**2012 TAURUS PROPERTY DRILLING REPORT  
CASSIAR GOLD PROJECT**

Volume IV – Drill Logs (Appendix F)

Liard Mining Division  
NTS 104P/5  
59° 17' N Latitude; 129° 42' W Longitude  
UTM 6570800 mN; 460700 mE; Zone 9

-prepared for-

**CHINA MINERALS MINING CORPORATION**  
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-prepared by-

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February 27, 2013

## Appendix F: Diamond Drill Logs

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-01

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ryan Congdon
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	18/06/2012
UTM Easting:	459846.57	Core Size:	NQ	Azimuth:	180	Date Completed:	20/06/2012
UTM Northing:	6570505.13	Casing Pulled?:	<input type="checkbox"/>	Dip:	-50	Drill Company:	Apex
UTM Elev. (m):	1107.424	Casing Depth (m):	9.14	Length (m):	201	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	18/06/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	19/06/2012
Local Elev. (m):							

**Comments:**

First hole of the 2012 Taurus program. Proposed hole TRS-D target depth 175m. Designed to test below intersection of extensional and shear veins encountered in historic drilling and the interpreted Taurus Thrust.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
8.8	-50.1	163.4	23.37	186.77	ReflexEZS		17/06/2012	5819	<input checked="" type="checkbox"/>	
14.94	-50.1	163.4	23.37	186.77	ReflexEZS	Ryan Congdon	17/06/2012	5819	<input checked="" type="checkbox"/>	
63.7	-51.9	166.5	23.37	189.87	ReflexEZS	Ryan Congdon	18/06/2012	5797	<input checked="" type="checkbox"/>	
112.5	-52.6	169.9	23.37	193.27	ReflexEZS	Ryan Congdon	18/06/2012	5520	<input checked="" type="checkbox"/>	
152.1	-52.6	162.7	23.37	186.07	ReflexEZS	Ryan Congdon	19/06/2012	5727	<input type="checkbox"/>	magnetite basalt
195	-52.9	171.2	23.37	194.57	ReflexEZS	Ryan Congdon	19/06/2012	5765	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME- ICP41	Zn ppm ME- ICP41	Pb ppm ME-
<b>0.00</b>	<b>17.50</b>	<b>OVB Overburden</b>									
0 - 17.5: Overburden contains boulders of granite, mineralised T2 and Basalt. Basal metre comprises of compacted green clay and clasts.											
<b>17.50</b>	<b>18.10</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>	<b>FG</b>							
17.5 - 18.1: Gradational lower contact.											
<<Min: 17.5 - 18.1 0.1% pyrite>>											
<<Alt: 17.5 - 18.1 strong Ankerite>>											
<<Struc: 17.5 - 17.5 moderate fault 15 deg. >>											
<b>18.10</b>	<b>18.80</b>	<b>T1 Basalt</b>	<b>green</b>	<b>FG</b>							
<<Min: 18.1 - 25.25 0.1% pyrite>>											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-01

From (m) To (m) Rocktype & Description

**18.80 20.10 T2 Basalt - Altered**  
 <<Alt: 18.8 - 20.1 strong Ankerite>>

**20.10 20.40 FLT Fault, Fault Zone**  
 20.1 - 20.4: slip planes and mod clay alt. Darker core with poss carbon alt  
 <<Alt: 20.1 - 20.4 moderate Clay>>  
 <<Struc: 20.1 - 20.2 strong fault 25 deg. >>

**20.40 21.75 T2 Basalt - Altered**  
 <<Alt: 20.4 - 21.75 strong Ankerite>>  
 <<Vein: 20.65 - 20.68 Quartz 35 deg. >>

**21.75 22.05 T5 Quartz Vein**  
 <<Vein: 21.75 - 22.05 Quartz-Tourmaline 40 deg. 35 deg. >>

**22.05 51.45 T2 Basalt - Altered**  
 22.05 - 51.45: carbon filled crackle texture 25.5-29.7m  
 <<Min: 25.25 - 34.65 0.5% pyrite>>  
 <<Min: 27 - 27.2 0.1% arsenopyrite>>  
 <<Min: 34.65 - 36.2 5% pyrite>>  
 <<Min: 36.2 - 39.7 0.5% pyrite>>  
 <<Min: 39.7 - 40.35 5% pyrite>>  
 <<Min: 39.7 - 40.35 1% arsenopyrite>>  
 <<Min: 39.98 - 39.99 0.5% tetrahedrite>>  
 <<Min: 40.35 - 53.4 0.5% pyrite>>  
 <<Alt: 22.05 - 22.45 strong Ankerite>>

<<Alt: 22.45 - 25.25 weak Ankerite>>  
 <<Alt: 25.25 - 29.7 weak Graphite>>  
 <<Alt: 25.25 - 29.7 strong Ankerite>>  
 <<Alt: 29.7 - 33.3 moderate Ankerite>>  
 <<Alt: 33.3 - 36.35 strong Ankerite>>  
 <<Alt: 36.35 - 37.35 moderate Ankerite>>  
 <<Alt: 37.35 - 49 strong Ankerite>>  
 <<Alt: 39.4 - 47.5 weak Graphite>>  
 <<Alt: 49 - 53.4 moderate Ankerite>>

**grey-brown FG**

**dark grey FG**

**grey-brown FG**

**cream FG**

**grey FG**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
18.80	20.10	1.30	G276503	-0.005	107	92	113	-2
20.10	20.40	0.30	G276504	0.011	119	63	107	-2
20.40	21.75	1.35	G276505	-0.005	107	102	95	-2
21.75	22.05	0.30	G276506	-0.005	19	2	8	-2
22.05	24.00	1.95	G276507	-0.005	103	74	89	-2
24.00	26.00	2.00	G276508	-0.005	110	68	86	-2
26.00	28.00	2.00	G276509	0.087	650	58	79	-2
28.00	30.00	2.00	G276511	-0.005	119	61	101	-2
30.00	32.00	2.00	G276512	0.01	117	70	109	-2
32.00	34.00	2.00	G276513	-0.005	100	60	111	3
34.00	35.00	1.00	G276514	0.266	388	54	133	-2
35.00	36.30	1.30	G276515	2.48	958	30	57	2
36.30	38.00	1.70	G276516	0.057	532	66	95	-2
38.00	39.60	1.60	G276517	0.009	156	62	79	-2
39.60	40.50	0.90	G276518	0.471	10000. 1	69	71	-2
40.50	42.50	2.00	G276519	0.024	366	64	73	-2
42.50	44.50	2.00	G276521	0.017	149	75	73	-2
44.50	46.50	2.00	G276522	-0.005	100	75	98	-2
46.50	48.50	2.00	G276523	0.017	239	49	97	-2
48.50	50.00	1.50	G276524	-0.005	49	91	89	-2
50.00	51.45	1.45	G276526	-0.005	41	70	93	2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-01

From (m)	To (m)	Rocktype & Description		From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-		
<<Vein: 26.55 - 26.55		Quartz 55 deg. >>												
<<Vein: 29.3 - 29.32		Quartz 45 deg. >>												
<<Vein: 30.3 - 30.31		Quartz 25 deg. >>												
<<Vein: 36 - 36.01		Quartz 45 deg. >>												
<<Vein: 36.4 - 36.44		Quartz 38 deg. >>												
<<Vein: 39.2 - 39.22		Quartz 45 deg. >>												
<<Vein: 41.85 - 41.86		Quartz 50 deg. >>												
<<Vein: 44.4 - 44.41		Quartz 45 deg. >>												
<<Vein: 44.7 - 44.71		Quartz 55 deg. >>												
<<Vein: 45.7 - 45.7		Quartz 40 deg. >>												
<<Vein: 45.75 - 45.78		Quartz-Sericite/White mica 60 deg. >>												
<<Vein: 46.9 - 46.9		Quartz 45 deg. >>												
<<Vein: 47.55 - 47.7		Quartz 50 deg. >>												
<<Struc: 22.45 - 22.45		moderate Bedded 55 deg. >>												
<<Struc: 25.25 - 25.4		strong fault 65 deg. >>												
<<Struc: 41.35 - 41.35		moderate fault 60 deg. >>	cutting fg mineralisation											
<<Struc: 45.22 - 45.4		moderate Brecciated 32 deg. >>	poss original basalt text											
<<Struc: 51.4 - 51.8		strong Sheared 35 deg. >>												
<b>51.45</b>	<b>51.80</b>	<b>SHZ</b>	<b>Shear Zone</b>	<b>grey-green</b>	<b>FG</b>	51.45	51.80	0.35	G276527	-0.005	43	54	99	2
51.45 - 51.8: T2														
<b>51.80</b>	<b>53.40</b>	<b>T2</b>	<b>Basalt - Altered</b>	<b>grey</b>	<b>FG</b>	51.80	53.40	1.60	G276528	-0.005	33	72	114	-2
<b>53.40</b>	<b>56.40</b>	<b>T1</b>	<b>Basalt</b>	<b>green</b>	<b>FG</b>	53.40	55.00	1.60	G276529	-0.005	12	73	99	-2
						55.00	56.40	1.40	G276531	-0.005	16	64	127	-2
<b>56.40</b>	<b>56.85</b>	<b>T2</b>	<b>Basalt - Altered</b>	<b>grey</b>	<b>FG</b>	56.40	56.85	0.45	G276532	0.006	66	58	115	-2
<<Alt: 56.4 - 56.85 moderate Ankerite>>														
<<Vein: 56.6 - 56.61 Quartz-Carbonate 25 deg. >>														
<b>56.85</b>	<b>62.45</b>	<b>T1</b>	<b>Basalt</b>	<b>green</b>	<b>FG</b>	56.85	58.80	1.95	G276533	-0.005	10	74	96	2
56.85 - 62.45: minor ak alt enveloping qcv (1-2cm)														
<<Struc: 58.65 - 58.7 weak Sheared 45 deg. >> qcv + shearing in basalt														
						58.80	60.50	1.70	G276534	-0.005	4	86	66	-2
						60.50	62.45	1.95	G276535	-0.005	5	68	95	-2
<b>62.45</b>	<b>87.80</b>	<b>T2</b>	<b>Basalt - Altered</b>	<b>grey</b>	<b>FG</b>	62.45	64.10	1.65	G276536	-0.005	63	45	95	-2
62.45 - 87.8: weakly altered zones (20cm to 2m)														

# Drill Log

Project:

Cassiar

Hole Number:

TA12-01

From (m) To (m) Rocktype & Description

<<Min: 62.45 - 76.7 0.5% pyrite>>  
 <<Min: 76.7 - 81.4 5% pyrite>> 80.8-81.4m py is locally fine grained and disseminated.  
 <<Min: 81.4 - 94.75 0.1% pyrite>>  
 <<Alt: 62.45 - 64.3 strong Ankerite>>  
 <<Alt: 64.3 - 70.15 moderate Ankerite>>  
 <<Alt: 70.15 - 75 strong Ankerite>>  
 <<Alt: 75 - 76.7 moderate Ankerite>>  
 <<Alt: 76.6 - 81.4 strong Ankerite>>  
 <<Alt: 81.4 - 94.75 moderate Ankerite>>  
 <<Vein: 63.75 - 63.77 Quartz 25 deg. >>  
 <<Vein: 63.9 - 63.93 Quartz 30 deg. >> ext veins in this unit contain similar orientations  
 <<Vein: 65.5 - 65.51 Quartz 35 deg. >>  
 <<Vein: 66.73 - 66.74 Quartz 15 deg. >>  
 <<Vein: 67.15 - 67.17 Quartz 20 deg. >>  
 <<Vein: 70.55 - 70.57 Quartz 40 deg. >>  
 <<Vein: 71.05 - 71.15 Quartz 20 deg. >>  
 <<Vein: 77.97 - 78 Quartz 20 deg. >>  
 <<Vein: 79.9 - 79.91 Quartz 35 deg. >>  
 <<Struc: 82.1 - 83.5 weak Bedded 60 deg. >> possible shear fol, however likely banded protolith highlighted by ak alt  
 <<Struc: 85.7 - 86.4 weak Bedded 60 deg. >> possible shear fol, however likely banded protolith highlighted by ak alt  
**87.80 88.35 SHZ Shear Zone grey-green FG**  
 87.8 - 88.35: t2, mod shear fabric and weak breccia of QCV  
 <<Struc: 87.8 - 88.35 strong Sheared 50 deg. >>  
**88.35 94.75 T2 Basalt - Altered grey FG**  
 <<Alt: 93.9 - 94.6 moderate Calcite>>  
 <<Vein: 94.5 - 94.52 Quartz 18 deg. >>  
**94.75 110.00 T1 Basalt grey-green FMG**  
 94.75 - 110: more chloritic granular mafic unit.  
 <<Alt: 94.75 - 98 weak Ankerite>>  
 <<Alt: 106.3 - 108.6 weak Calcite>>  
 <<Struc: 103.6 - 103.6 weak fault 55 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
64.10	66.00	1.90	G276537	-0.005	61	70	134	-2
66.00	68.00	2.00	G276538	-0.005	54	73	108	-2
68.00	70.00	2.00	G276539	-0.005	83	56	105	-2
70.00	72.00	2.00	G276541	0.011	124	46	73	-2
72.00	74.00	2.00	G276542	-0.005	94	57	85	-2
74.00	75.00	1.00	G276543	-0.005	99	63	87	-2
75.00	76.70	1.70	G276544	-0.005	110	59	85	-2
76.70	78.50	1.80	G276545	0.602	936	35	63	-2
78.50	80.00	1.50	G276546	0.463	539	28	46	-2
80.00	81.40	1.40	G276547	0.952	770	25	43	-2
81.40	83.00	1.60	G276548	-0.005	41	59	95	-2
83.00	85.00	2.00	G276549	-0.005	12	62	109	-2
85.00	87.00	2.00	G276551	-0.005	5	65	109	-2
87.00	87.80	0.80	G276552	-0.005	9	65	119	-2
87.80	88.35	0.55	G276553	0.005	38	79	97	-2
88.35	90.00	1.65	G276554	-0.005	30	55	104	-2
90.00	92.00	2.00	G276555	-0.005	12	74	109	-2
92.00	93.80	1.80	G276556	0.01	17	64	126	-2
93.80	94.75	0.95	G276557	0.011	24	86	64	-2
94.75	96.00	1.25	G276558	-0.005	15	28	116	-2
96.00	98.00	2.00	G276559	-0.005	-2	69	110	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-01

From (m)	To (m)	Rocktype & Description			
<b>110.00</b>	<b>117.00</b>	<b>T1</b>	<b>Basalt</b>	<b>grey-green</b>	<b>FG</b>
110 - 117: weak QCV and patchy (1-5cm) jasper alteration. Sharp lwr boundary to chert. Lacking major deformation.					
<b>117.00</b>	<b>119.15</b>	<b>5B</b>	<b>Chert</b>	<b>grey-green</b>	<b>FG</b>
117 - 119.15: gradational lwr boundary. Weakly brecciated and re-healed with wavy green chlorite/sericite bands.					
<<Alt: 117 - 119.5 weak Epidote>>					
<<Alt: 117 - 119.5 weak Chlorite >>					
<<Struc: 117 - 117 weak fault 40 deg. >> QCV and weak fault on chert to basalt contact.					
<b>119.15</b>	<b>126.60</b>	<b>T1F</b>	<b>Magnetic/Jasper Pillow Basalt</b>	<b>grey-green</b>	<b>FG</b>
119.15 - 126.6: minor QCV and jasperoid conglomerations.					
<b>126.60</b>	<b>146.15</b>	<b>5B</b>	<b>Chert</b>	<b>grey-green</b>	<b>FG</b>
126.6 - 146.15: Gradual upper contact gradational and un-faulted. Interbanded chert and mafic (also jasperoid) bands. Chert units contain brittle crackle texture perpendicular to banding. earthy green chloritic bands/wavy zones. Lower contact is sharp and lower 1m of unit exhibits moderate deformation, with brittle deformation in chert clasts, and deformed bands of mafic material. Possible thrust zone causing duplexing of chert/basalt stratigraphy. However more deformation may be expected.					
<<Min: 126.6 - 146.15 0.1% pyrite>>					
<<Alt: 131.9 - 132.8 weak Haematite - earthy>>					
<<Struc: 129 - 129 moderate Bedded 50 deg. >>					
<<Struc: 129.2 - 129.2 moderate Bedded 40 deg. >>					
<<Struc: 130.5 - 130.5 moderate Bedded 60 deg. >>					
<<Struc: 144.2 - 144.2 moderate Bedded 35 deg. >>					
<<Struc: 144.6 - 146.15 weak Brecciated >>					
<b>146.15</b>	<b>150.25</b>	<b>T1F</b>	<b>Magnetic/Jasper Pillow Basalt</b>	<b>grey-green</b>	<b>FG</b>
146.15 - 150.25: 1-2cm clusters of jasper					
<<Min: 146.15 - 183 0.1% pyrite>>					
<<Min: 146.15 - 183 0.1% magnetite>> with 'jasper'					
<<Struc: 146.15 - 146.15 moderate fault 60 deg. >>					
<b>150.25</b>	<b>153.65</b>	<b>SHZN</b>	<b>Shear Zone</b>	<b>grey-brown</b>	<b>FG</b>
150.25 - 153.65: 40-80cm zones of banded and bedded red-green rock. Possible lapilli tuff (1-10mm elongate mafic/cherty fragments) minor chert bands. Will investigate possibility of shearing and re-healing. (Thrust)					
<<Struc: 150.4 - 150.4 strong Bedded 50 deg. >>					
<<Struc: 153.2 - 153.2 strong Bedded 70 deg. >>					

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
115.00	117.00	2.00	G276561	-0.005	3	88	82	-2
117.00	119.15	2.15	G276562	0.006	3	70	48	2
119.15	120.00	0.85	G276563	-0.005	2	68	96	-2
144.50	146.15	1.65	G276564	0.005	5	66	38	-2
146.15	148.00	1.85	G276565	-0.005	3	88	96	-2
148.00	150.25	2.25	G276566	-0.005	3	65	96	-2
150.25	152.00	1.75	G276567	0.005	3	119	114	3
152.00	153.65	1.65	G276568	-0.005	3	72	102	2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-01

From (m) To (m) Rocktype & Description

**153.65 183.00 T1F Magnetic/Jasper Pillow Basalt grey-green FG**

153.65 - 183: 1-10cm clots of magnetite+jasper. Mod thin QCV (0.5-1cm) in places exhibiting tension gash forms.

<<Min: 180.7 - 180.9 0.1% chalcopryite>> associated with magnetite+jasper cluster (very golden)

<<Alt: 163.2 - 164.6 weak Ankerite>>

<<Vein: 171.8 - 171.8 Quartz 20 deg. >> tension gashes (QCV) propagating perpendicular to this vein

<<Struc: 163.4 - 163.43 strong fault breccia 20 deg. >>

<<Struc: 163.6 - 163.6 moderate fault 55 deg. >>

**183.00 185.45 T2 Basalt - Altered grey FG**

183 - 185.45: sharp upper faulted contact and sharp alteration boundary for lower contact.

<<Min: 183 - 185.45 0.5% pyrite>>

<<Alt: 183 - 185.45 strong Ankerite>>

<<Struc: 183.1 - 183.1 strong fault 35 deg. >>

<<Struc: 183.2 - 184 moderate fault 5 deg. >> thin fault offsetting qv + alteration

<<Struc: 184.4 - 184.5 strong fault breccia 30 deg. >> significant fault zone with band of graphite

<<Struc: 185.2 - 185.25 strong fault 30 deg. >> also contains graphite associated with brecciated quartz

**185.45 192.40 T1 Basalt green FG**

**192.40 196.45 T2 Basalt - Altered grey FG**

192.4 - 196.45: sharp upper faulted contact and sharp alteration boundary for lower contact. Abundant thin (1-4mm) extensional/crackle qtz veins

<<Min: 192.4 - 196.45 3% pyrite>> clusters of mg py associated with veining and fractures. Mostly low angle.

<<Alt: 192.4 - 196.45 strong Ankerite>>

<<Struc: 192.4 - 193 moderate fault 5 deg. >> moderate offset

<<Struc: 194.4 - 194.45 moderate Veining - fracture fill 20 deg. >> py band.

**196.45 201.00 T1 Basalt green FG**

196.45 - 201: patchy t2 associated with veining.

<<Alt: 196.45 - 201 weak Ankerite>>

<<Vein: 196.6 - 196.61 Quartz 25 deg. >> alteration contact parrallel to these veins

<<Vein: 198 - 198.01 Quartz 20 deg. >> sharp upper faulted contact and sharp alteration boundary for lower contact.

**End of Hole @ 201**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
153.65	155.00	1.35	G276569	-0.005	3	101	110	-2
163.00	163.85	0.85	G276571	0.008	4	62	94	-2
180.35	181.00	0.65	G276572	-0.005	5	142	162	-2
181.00	183.00	2.00	G276573	-0.005	6	100	145	-2
183.00	184.60	1.60	G276574	0.005	18	57	167	3
184.60	185.45	0.85	G276576	0.02	16	90	145	-2
185.45	186.90	1.45	G276577	-0.005	8	50	84	-2
191.35	192.40	1.05	G276578	-0.005	7	29	88	-2
192.40	194.00	1.60	G276579	0.099	111	41	98	3
194.00	195.00	1.00	G276581	0.238	296	61	97	6
195.00	196.45	1.45	G276582	0.112	134	66	98	3
196.45	198.65	2.20	G276583	0.008	12	48	117	3
198.65	201.00	2.35	G276584	-0.005	9	90	124	2



# Drill Log

**Project:** Cassiar **Hole Number:** TA12-02

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ryan Congdon
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	20/06/2012
UTM Easting:	459851.59	Core Size:	NQ	Azimuth:	180	Date Completed:	23/06/2012
UTM Northing:	6570383.64	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-55	Drill Company:	Apex
UTM Elev. (m):	1115.814	Casing Depth (m):	3.05	Length (m):	216.1	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	19/06/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	22/06/2012
Local Elev. (m):							

**Comments:**

Proposed hole TRS-C. On top of Hill 88. Designed to test sub-vertical extensional and shear veins and their intersection with interpreted lower Taurus Thrust.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
5.8	-54.7	159.3	23.37	182.67	ReflexEZS	Ryan Congdon	19/06/2012	5880	<input checked="" type="checkbox"/>	
54.5	-54.8	187.8	23.37	211.17	ReflexEZS	Ryan Congdon	20/06/2012	5820	<input type="checkbox"/>	
106	-55.2	164.4	23.37	187.77	ReflexEZS	Ryan Congdon	20/06/2012	5859	<input checked="" type="checkbox"/>	
152	-55.2	166.1	23.37	189.47	ReflexEZS	Ryan Congdon	20/06/2012	5757	<input checked="" type="checkbox"/>	
197.8	-55.2	165.2	23.37	188.57	ReflexEZS	Ryan Congdon	20/06/2012	5751	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
<b>0.00</b>	<b>2.60</b>	<b>OVB Overburden</b>									
<b>2.60</b>	<b>7.50</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>	<b>FMG</b>							
<<Min: 5.5 - 5.9 5% pyrite>>			2.60	4.60	2.00	G276585	-0.005	42	36	114	4
<<Alt: 2.6 - 7.5 moderate Ankerite>>			4.60	6.00	1.40	G276586	0.263	185	43	114	44
<<Vein: 7.45 - 7.5 Quartz 20 deg. >>			6.00	7.50	1.50	G276587	0.007	42	36	41	38
<<Struc: 7.3 - 7.45 moderate fault breccia 25 deg. >>											
<b>7.50</b>	<b>15.55</b>	<b>T11 Lamprophyre</b>	<b>dark grey</b>	<b>MG</b>							
7.5 - 15.55: Lamprophyre dikes throughout hole contain abundant calcite (fizz to HCL) and biotite (30%). Upper contact is marked by QCV with 20cm fault zone, lower contact is abrupt against QV + chl+py clasts/wall rock			7.50	9.00	1.50	G276588	0.005	22	43	62	36
<<Struc: 8.4 - 8.4 weak Fractured 45 deg. >>			9.00	10.80	1.80	G276589	-0.005	17	36	58	26
			14.00	15.55	1.55	G276590	0.517	159	40	62	50

# Drill Log

Project:

Cassiar

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TA12-02

From (m) To (m) Rocktype & Description

**15.55 16.10 T5 Quartz Vein**  
 15.55 - 16.1: QV with calcite frac and chloritic+pyritic inclusions+wall rock

<<Min: 15.55 - 16.1 2% pyrite>>  
 <<Alt: 15.55 - 18.1 weak Chlorite >>  
 <<Alt: 15.55 - 18.1 moderate Calcite>>  
 <<Vein: 15.55 - 16.1 Quartz>>  
 <<Vein: 15.9 - 15.92 Quartz 38 deg. >>

**16.10 19.85 T1 Basalt** **grey-green**  
 16.1 - 19.85: chloritic unit containing minor thin qcv (1mm) and weak clay alt on joints.

<<Min: 16.1 - 19.85 0.5% pyrite>>  
 <<Struc: 18.4 - 18.5 moderate fault 20 deg. >>

**19.85 20.15 T11 Lamprophyre** **dark grey**  
 19.85 - 20.15: weak chilled margins, sharp upper and lower contacts differ in orientation

<<Struc: 19.85 - 19.85 moderate contact 30 deg. >>

**20.15 20.70 T1 Basalt** **grey-green**  
 <<Min: 20.15 - 20.7 0.5% pyrite>>  
 <<Struc: 20.15 - 20.15 moderate contact 15 deg. >>

**20.70 24.20 T11 Lamprophyre** **dark grey**  
 20.7 - 24.2: thin (1cm) chilled margins. Sharp irregular upper contact and sharp planer lower contact.

**24.20 26.15 T1 Basalt** **grey-green**  
 <<Min: 24.2 - 26.15 0.5% pyrite>>  
 <<Struc: 24.2 - 24.2 moderate contact 15 deg. >>

**26.15 27.45 T11 Lamprophyre** **dark grey**  
 26.15 - 27.45: sharp chilled upper and lower contact

<<Struc: 26.15 - 26.15 moderate contact 70 deg. >>

**27.45 28.30 T1 Basalt** **grey-green**  
 <<Vein: 28.25 - 28.26 Quartz 25 deg. >>  
 <<Struc: 27.45 - 27.45 moderate contact 21 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
15.55	16.10	0.55	G276591	7.82	262	26	62	31

16.10	18.00	1.90	G276592	0.03	70	67	115	17
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18.00	19.85	1.85	G276593	0.415	176	68	134	77
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19.85	20.15	0.30	G276594	0.044	96	43	80	41
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20.15	20.70	0.55	G276611	0.062	212	239	86	30
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20.70	22.50	1.80	G276595	0.053	106	51	62	29
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22.50	24.20	1.70	G276596	-0.005	30	25	47	19
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24.20	26.15	1.95	G276597	0.016	73	113	104	21
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26.15	27.45	1.30	G276598	-0.005	41	34	50	21
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27.45	28.30	0.85	G276599	0.031	76	82	106	19
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From (m) To (m) Rocktype & Description

**28.30 28.60 T11 Lamprophyre**  
28.3 - 28.6: sharp contacts

**dark grey FG**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
28.30	28.60	0.30	G276601	0.008	58	28	65	14

**28.60 28.95 T1 Basalt**  
<<Vein: 28.85 - 28.88 Quartz 45 deg. >>  
<<Struc: 28.6 - 28.6 moderate contact 25 deg. >>

**grey-green FG**

28.60	28.95	0.35	G276602	0.33	596	53	81	16
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**28.95 35.10 T2 Basalt - Altered**  
<<Min: 28.95 - 30 5% pyrite>>  
<<Min: 30 - 35.1 0.5% pyrite>>  
<<Alt: 28.95 - 30 strong Ankerite>>  
<<Alt: 30 - 35.1 weak Chlorite >>  
<<Alt: 30 - 35.1 moderate Ankerite>>  
<<Vein: 29.3 - 29.4 Quartz 30 deg. >>  
<<Vein: 29.7 - 29.73 Quartz 40 deg. >>  
<<Vein: 32.7 - 32.72 Quartz 25 deg. >>  
<<Struc: 30 - 30 moderate contact 40 deg. >> alteration boundary

**grey-green FG**

28.95	30.10	1.15	G276603	1.56	2080	29	38	6
30.10	32.00	1.90	G276604	0.011	437	57	105	6
32.00	33.50	1.50	G276605	0.007	20	58	107	6
33.50	35.10	1.60	G276606	-0.005	18	37	121	5

**35.10 36.40 T11 Lamprophyre**  
35.1 - 36.4: brecciated low angle upper contact

**dark grey FMG**

35.10	36.40	1.30	G276607	-0.005	57	43	57	18
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**36.40 39.85 T2 Basalt - Altered**  
<<Min: 36.4 - 39.85 0.5% pyrite>>  
<<Alt: 36.4 - 39.85 weak Chlorite >>  
<<Alt: 36.4 - 39.85 moderate Ankerite>>  
<<Vein: 38.2 - 38.22 Quartz 35 deg. >>  
<<Vein: 38.75 - 38.9 Quartz 50 deg. >>  
<<Vein: 39.75 - 39.76 Quartz 50 deg. >>

**grey-green FG**

36.40	38.00	1.60	G276608	0.025	83	55	111	3
38.00	39.85	1.85	G276609	0.637	929	43	77	5

**39.85 43.35 T11 Lamprophyre**  
39.85 - 43.35: sharp upper contact, T2 is weaker near contact approaching chloritic T1

**dark grey FMG**

39.85	41.50	1.65	G276612	-0.005	13	39	44	12
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<<Struc: 39.85 - 39.85 moderate contact 65 deg. >>  
**43.35 49.40 T2 Basalt - Altered**  
43.35 - 49.4: minor pillow text

**grey FG**

41.50	43.35	1.85	G276613	-0.005	12	41	55	26
43.35	45.35	2.00	G276614	-0.005	42	55	111	5

<<Min: 48.65 - 50.7 4% pyrite>> and fg  
<<Min: 48.65 - 50.7 0.5% arsenopyrite>>

45.35	47.35	2.00	G276615	-0.005	11	55	97	-2
47.35	49.40	2.05	G276616	0.249	928	40	82	4

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From (m) To (m) Rocktype & Description

<<Alt: 43.35 - 45.3 weak Chlorite >> possibly outlining pillow textures  
 <<Alt: 43.35 - 45.3 moderate Ankerite>>  
 <<Alt: 45.3 - 49.4 strong Ankerite>>  
 <<Vein: 45.7 - 45.71 Quartz 40 deg. >>  
 <<Vein: 46.5 - 46.53 Quartz 50 deg. >>

**49.40 49.80 T5 Quartz Vein**

**cream**

49.4 - 49.8: lower boundary contains semi-msv py 5cm

<<Min: 49.4 - 49.8 0.5% tetrahedrite>>  
 <<Min: 49.7 - 49.8 50% pyrite>>  
 <<Vein: 49.4 - 49.8 Quartz 40 deg. >>

**49.80 56.75 T2 Basalt - Altered**

**grey**

**FG**

<<Min: 55.4 - 59.2 3% pyrite>>  
 <<Min: 55.4 - 59.2 0.1% arsenopyrite>>  
 <<Alt: 49.8 - 56.75 strong Ankerite>>

<<Vein: 53.2 - 53.21 Quartz 35 deg. >> cross-cuts another extensional vein

**56.75 57.00 T5 Quartz Vein**

**cream**

56.75 - 57: again semi-msv py + stringers

<<Vein: 56.75 - 57 Quartz 40 deg. >> abundant py, predominatly near vein margins and in wall rock

**57.00 96.40 T2 Basalt - Altered**

**grey**

**FG**

57 - 96.4: abundant qv sheared again ext.

<<Min: 59.2 - 72.6 0.5% pyrite>>  
 <<Min: 59.2 - 72.6 0.1% arsenopyrite>>  
 <<Min: 72.6 - 74.4 3% arsenopyrite>>  
 <<Min: 72.6 - 74.4 6% pyrite>>  
 <<Min: 72.6 - 74.4 1% tetrahedrite>>  
 <<Min: 74.4 - 77.4 0.5% pyrite>>  
 <<Min: 77.4 - 79.7 4% pyrite>>  
 <<Min: 79.7 - 83.4 0.5% pyrite>>  
 <<Min: 83.4 - 86.7 5% pyrite>>

<<Min: 86.3 - 87.15 1% arsenopyrite>>

<<Min: 86.7 - 88.9 4% pyrite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
49.40	49.80	0.40	G276617	1.22	3680	19	10	7
49.80	51.00	1.20	G276621	0.583	369	61	66	-2
51.00	53.00	2.00	G276618	0.008	21	73	107	3
53.00	55.00	2.00	G276619	0.02	66	55	93	-2
55.00	56.75	1.75	G276622	0.548	480	74	91	-2
56.75	57.00	0.25	G276623	1.265	2120	2	5	-2
57.00	58.75	1.75	G276624	0.78	420	54	80	-2
58.75	60.00	1.25	G276626	0.096	178	52	77	-2
60.00	62.00	2.00	G276627	-0.005	88	72	83	-2
62.00	64.00	2.00	G276628	0.019	115	61	92	-2
64.00	66.00	2.00	G276629	-0.005	125	74	85	-2
66.00	67.00	1.00	G276631	0.009	152	69	106	-2
67.00	68.00	1.00	G276632	0.193	1535	38	63	-2
68.00	70.00	2.00	G276633	0.23	1230	54	65	-2
70.00	72.00	2.00	G276634	2.8	168	71	219	-2
72.00	73.55	1.55	G276635	0.166	548	78	80	-2
73.55	74.40	0.85	G276636	3.84	10000. 1	27	53	-2
74.40	76.00	1.60	G276637	0.071	167	63	80	-2

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From (m)	To (m)	Rocktype & Description
<<Min: 89.5 - 90		8% arsenopyrite>>
<<Min: 89.5 - 90		18% pyrite>>
<<Min: 90.5 - 92.3		5% arsenopyrite>> associated with deformed QV's, contacts weathered with evidence of faulting.
<<Min: 90.5 - 93.6		10% pyrite>> minor euhedral coarse
<<Min: 92.75 - 93.6		5% arsenopyrite>>
<<Min: 93.6 - 96		0.1% arsenopyrite>>
<<Min: 93.6 - 96		0.5% pyrite>>
<<Min: 95.4 - 97.15		6% pyrite>> + euhedral coarse
<<Min: 95.4 - 97.15		0.5% arsenopyrite>>
<<Alt: 57 - 59.2		strong Ankerite>>
<<Alt: 59.2 - 67		moderate Ankerite>>
<<Alt: 67 - 104.4		strong Ankerite>>
<<Vein: 67.3 - 67.4		Quartz 28 deg. >>
<<Vein: 67.5 - 67.8		Quartz 22 deg. >> sheared fabric
<<Vein: 69.5 - 69.6		Quartz>>
<<Vein: 70.45 - 70.46		Quartz 45 deg. >>
<<Vein: 72.45 - 72.48		Quartz 34 deg. >>
<<Vein: 72.85 - 72.86		Quartz 65 deg. >>
<<Vein: 72.86 - 72.87		Quartz 65 deg. >> siliceous stingers cross-cut by nearby ext veins. Early event para to subtle protolith banding?
<<Vein: 73.85 - 74		Quartz>>
<<Vein: 76.95 - 76.97		Quartz 22 deg. >>
<<Vein: 79.2 - 79.23		Quartz 50 deg. >>
<<Vein: 83.8 - 83.82		Quartz 40 deg. >>
<<Vein: 84.55 - 84.56		Quartz 24 deg. >>
<<Vein: 86.8 - 86.82		Quartz 45 deg. >> cross-cutting chert pod
<<Vein: 87.45 - 87.6		Quartz 40 deg. >>
<<Vein: 89.8 - 89.81		Quartz 40 deg. >>
<<Vein: 90.7 - 90.8		Quartz 35 deg. >> next four or so veins in the zone (high Aspy) show some extensional fabric on the exterior of the veins however also then show deformation along contacts (faulting)
<<Vein: 91.45 - 91.46		Quartz 35 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
76.00	78.00	2.00	G276638	0.771	358	54	67	-2
78.00	80.00	2.00	G276639	1.045	693	15	42	-2
80.00	82.00	2.00	G276641	-0.005	29	73	92	-2
82.00	83.40	1.40	G276642	-0.005	93	71	97	-2
83.40	84.25	0.85	G276643	0.9	827	16	42	-2
84.25	86.20	1.95	G276644	0.041	297	53	71	-2
86.20	87.30	1.10	G276645	0.858	2710	56	53	-2
87.30	88.90	1.60	G276646	0.924	954	30	46	-2
88.90	89.45	0.55	G276647	0.054	281	71	76	-2
89.45	90.10	0.65	G276648	2.1	10000.1	40	73	-2
90.10	90.50	0.40	G276649	0.019	229	43	81	-2
90.50	92.30	1.80	G276651	1.37	10000.1	37	51	-2
92.30	92.75	0.45	G276652	0.082	194	61	80	-2
92.75	93.70	0.95	G276653	1.565	10000.1	21	51	-2
93.70	95.40	1.70	G276654	1.805	126	66	89	-2
95.40	96.40	1.00	G276655	0.509	935	27	81	2

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From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-			
<<Vein: 91.5 - 91.65 Quartz>> <<Vein: 91.95 - 91.96 Quartz 35 deg. >> <<Struc: 58.85 - 58.9 moderate fault 36 deg. / Veining - fracture fill>> graphite coated fault with qtz-carb breccia+associated qtz vein <<Struc: 74 - 74 moderate Sheared 30 deg. >> <<Struc: 91.55 - 91.55 moderate fault 20 deg. >>														
96.40	101.30	<b>FLT</b>	<b>Fault, Fault Zone</b>	grey	FG	96.40	98.40	2.00	G276656	0.523	603	57	87	-2
96.4 - 101.3: Strong T2, Py + As mineralisation. Pulled out as a deformation zone due to broken and friable core and fault gouge zones (96.55-97.2m) and 1-4cm breccia+clay alteration locally (minor brecciated qtz veining)														
<<Min: 97.15 - 99.7 0.5% pyrite>> <<Min: 99.7 - 102.1 6% pyrite>> <<Vein: 96.55 - 96.57 Quartz 50 deg. >> <<Vein: 98.7 - 98.8 Quartz 40 deg. >> <<Vein: 100.45 - 100.6 Quartz>> <<Struc: 100.6 - 100.6 moderate fault breccia 45 deg. >> <<Struc: 101.26 - 101.26 weak fault 30 deg. >>														
101.30	104.40	<b>T2</b>	<b>Basalt - Altered</b>	grey	FG	101.30	102.10	0.80	G276659	2.58	1105	41	45	-2
<<Min: 102.1 - 112.6 0.1% pyrite>>														
104.40	112.60	<b>T1</b>	<b>Basalt</b>	grey-green	FG	102.10	103.50	1.40	G276661	0.014	98	49	83	-2
104.4 - 112.6: weakly ankeritic (blebs) chloritic unit.														
<<Alt: 104.4 - 112.6 weak Ankerite>> <<Vein: 110.6 - 110.8 Quartz 35 deg. >> <<Struc: 106.2 - 106.2 weak Sheared 65 deg. >>														
112.60	137.40	<b>T2</b>	<b>Basalt - Altered</b>	grey	FG	103.50	104.40	0.90	G276662	0.012	92	60	77	-2
<<Min: 112.6 - 122.7 0.5% pyrite>> <<Min: 122.7 - 123.6 4% pyrite>> also clustered (2-6mm) <<Min: 122.7 - 123.6 3% arsenopyrite>> banded and associated with ext veins+broken core <<Min: 123.6 - 124.4 0.5% pyrite>> <<Min: 124.4 - 125.6 0.5% tetrahedrite>> <<Min: 124.4 - 125.6 4% pyrite>> <<Min: 124.4 - 125.6 3% arsenopyrite>> patchy, high conc. In wall rock adjacent to veining.														
<<Min: 106.2 - 106.2 weak Sheared 65 deg. >>														
<<Min: 124.4 - 125.6 3% arsenopyrite>> patchy, high conc. In wall rock adjacent to veining.														
<<Min: 120.00 - 121.80 1.80 G276673 0.021 179 54 83 -2>>														
<<Min: 121.80 - 122.70 0.90 G276674 0.47 2200 54 62 -2>>														
<<Min: 122.70 - 123.60 0.90 G276676 0.474 6360 52 75 -2>>														
<<Min: 123.60 - 124.40 0.80 G276677 0.373 1085 53 90 -2>>														

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From (m)	To (m)	Rocktype & Description
<<Min: 125.6 - 138.5	0.5% pyrite>>	
<<Min: 134.4 - 134.5	1% arsenopyrite>>	
<<Alt: 112.6 - 137.4	strong Ankerite>>	
<<Vein: 113.3 - 113.31	Quartz 55 deg. >>	
<<Vein: 113.7 - 133.72	Quartz 16 deg. >>	
<<Vein: 114.5 - 114.51	Quartz 45 deg. >>	multiple thin discontinuous veins continue downhole from this point for 50cm
<<Vein: 122.92 - 123.05	Quartz 43 deg. >>	
<<Vein: 123.78 - 123.79	Quartz 30 deg. >>	
<<Vein: 124.8 - 124.84	Quartz 35 deg. >>	TT+As on selvages
<<Vein: 125.42 - 125.43	Quartz 20 deg. >>	wavy contacts
<<Vein: 128.45 - 128.46	Quartz 36 deg. >>	
<<Vein: 131.45 - 131.65	Quartz 35 deg. >>	possible ext
<<Vein: 134.4 - 134.42	Quartz 35 deg. >>	As in wall rock selvages, minor weak banding
<<Vein: 135.5 - 135.51	Quartz 40 deg. >>	
<<Struc: 124.45 - 124.48	moderate fault breccia 35 deg. >>	possible increase to of carbon crackle texture.
<<Struc: 135.5 - 135.5	moderate fault 40 deg. >>	offsetting ext vein by 1cm
<b>137.40 138.50 FLT</b>	<b>Fault, Fault Zone</b>	<b>grey FG</b>
137.4 - 138.5: highly broken sub-angular core pieces (.5-4cm). Strong clay alt+calcite+chl. Minor flt planes evident. Midway through unit clasts change from T2 to T1. exact boundary unknown.		
<<Alt: 137.4 - 138.5	strong Calcite>>	
<<Struc: 137.6 - 137.6	strong fault breccia 60 deg. >>	
<b>138.50 144.65 T1</b>	<b>Basalt</b>	<b>grey-green FG</b>
138.5 - 144.65: not completely un-altered. Moderate calcite blebs+pervasive at the start of the unit		
<<Min: 138.5 - 144.65	0.5% pyrite>>	
<<Alt: 138.5 - 144.65	moderate Calcite>>	
<b>144.65 150.75 T2</b>	<b>Basalt - Altered</b>	<b>grey FG</b>
144.65 - 150.75: As present with qv		
<<Min: 144.65 - 146.6	3% pyrite>>	also fine grained with As. Minor coarse py crystals preferentially grow along hairline fractures
<<Min: 144.65 - 146.6	0.5% arsenopyrite>>	associated as fg mineralisation with Py + QV
<<Min: 146.6 - 149.4	0.5% pyrite>>	
<<Min: 149.4 - 150.1	3% pyrite>>	
<<Min: 149.4 - 150.1	1% arsenopyrite>>	

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
124.40	125.65	1.25	G276678	0.816	6040	50	92	2
125.65	127.65	2.00	G276679	-0.005	92	55	96	-2
127.65	129.50	1.85	G276681	0.039	411	57	89	-2
129.50	131.00	1.50	G276682	-0.005	93	51	100	-2
131.00	133.00	2.00	G276683	0.121	93	53	79	-2
133.00	134.00	1.00	G276684	-0.005	100	64	101	-2
134.00	135.00	1.00	G276685	0.223	2270	50	71	-2
135.00	136.00	1.00	G276686	0.006	161	42	85	-2
136.00	137.40	1.40	G276687	-0.005	74	58	101	-2
137.40	138.50	1.10	G276688	0.058	89	84	96	-2
138.50	140.50	2.00	G276689	-0.005	13	55	107	-2
140.50	142.65	2.15	G276691	-0.005	11	67	112	-2
142.65	144.65	2.00	G276692	-0.005	8	59	114	-2
144.65	146.60	1.95	G276693	1.925	3940	44	78	-2
146.60	148.60	2.00	G276694	0.096	99	57	98	-2
148.60	149.40	0.80	G276695	0.007	101	72	88	-2
149.40	150.10	0.70	G276696	0.582	1565	40	47	-2
150.10	150.75	0.65	G276697	-0.005	113	66	80	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-02

From (m)	To (m)	Rocktype & Description		From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-	
<<Min: 150.1 - 150.75 0.5% pyrite>> <<Alt: 144.65 - 150.7 strong Ankerite>> <<Vein: 145.1 - 145.4 Quartz>> as + faulted grey sulphide dust <<Vein: 147.1 - 147.12 Quartz 40 deg. >> <<Vein: 149.6 - 149.75 Quartz 50 deg. >> faulted contacts <<Struc: 145.14 - 145.14 moderate fault 40 deg. >>													
150.75	154.25	T1 Basalt	grey-green	FG	150.75	152.40	1.65	G276698	-0.005	65	69	101	-2
<<Min: 150.75 - 157.7 0.5% pyrite>>													
154.25	155.70	T2 Basalt - Altered	buff	FG	152.40	154.25	1.85	G276699	-0.005	39	65	106	-2
154.25 - 155.7: sharp undulating alteration boundaries													
<<Min: 155.02 - 155.1 1% arsenopyrite>> <<Alt: 154.25 - 155.7 strong Ankerite>> <<Vein: 155.02 - 155.1 Quartz 50 deg. >> as band in lower selvedge													
155.70	163.90	T1 Basalt	green	FG	154.25	155.70	1.45	G276701	0.028	644	59	123	-2
155.7 - 163.9: minor 2-15cm bands of alt basalt associated with veining													
<<Alt: 156.1 - 156.25 moderate Ankerite>> <<Vein: 156.25 - 156.27 Calcite 52 deg. >> <<Vein: 161.25 - 161.28 Quartz 40 deg. >> <<Struc: 159.35 - 159.38 strong fault breccia 45 deg. >>													
163.90	165.15	T2 Basalt - Altered	buff	FG	155.70	156.10	0.40	G276702	-0.005	70	85	107	-2
163.9 - 165.15: sharp contacts, upper contact bounded by ext qv and lower is undulating Strong flt breccia from 164.9-165m													
<<Min: 164.7 - 165.15 6% pyrite>> <<Alt: 163.9 - 165.15 strong Ankerite>> <<Struc: 164.9 - 165 strong fault breccia 35 deg. >>													
165.15	168.45	T1 Basalt	green	FG	156.10	158.00	1.90	G276703	-0.005	95	66	93	-2
<<Alt: 166.75 - 167.05 moderate Ankerite>>													
168.45	171.45	T2 Basalt - Altered	grey pink	FG	158.00	160.00	2.00	G276704	-0.005	51	73	76	-2
168.45 - 171.45: Moderate brittle faulting (many small offsets), qtz veining and qtz-carb veining. Weak banding evident. Slightly different 'hue' than other T2 units. Due to tuff protolith?													
<<Min: 168.45 - 171.45 5% pyrite>> also associated with veins, litho banding and forming clusters <<Alt: 168.45 - 171.45 strong Ankerite>>													
169.50	171.45				160.00	162.00	2.00	G276705	-0.005	55	73	81	-2
<<Min: 168.45 - 171.45 5% pyrite>> also associated with veins, litho banding and forming clusters <<Alt: 168.45 - 171.45 strong Ankerite>>													
169.50	171.45				162.00	163.90	1.90	G276706	-0.005	30	67	93	-2
<<Min: 168.45 - 171.45 5% pyrite>> also associated with veins, litho banding and forming clusters <<Alt: 168.45 - 171.45 strong Ankerite>>													
169.50	171.45				163.90	164.60	0.70	G276707	0.005	65	60	104	-2
<<Min: 168.45 - 171.45 5% pyrite>> also associated with veins, litho banding and forming clusters <<Alt: 168.45 - 171.45 strong Ankerite>>													
169.50	171.45				164.60	165.15	0.55	G276708	1.14	526	57	68	-2
<<Min: 168.45 - 171.45 5% pyrite>> also associated with veins, litho banding and forming clusters <<Alt: 168.45 - 171.45 strong Ankerite>>													
165.15	168.45	T1 Basalt	green	FG	165.15	167.00	1.85	G276709	-0.005	24	91	74	-2
<<Alt: 166.75 - 167.05 moderate Ankerite>>													
167.00	168.45				167.00	168.45	1.45	G276711	-0.005	3	82	83	-2
168.45	171.45	T2 Basalt - Altered	grey pink	FG	168.45	169.50	1.05	G276712	3.03	1610	271	51	-2
168.45 - 171.45: Moderate brittle faulting (many small offsets), qtz veining and qtz-carb veining. Weak banding evident. Slightly different 'hue' than other T2 units. Due to tuff protolith?													
<<Min: 168.45 - 171.45 5% pyrite>> also associated with veins, litho banding and forming clusters <<Alt: 168.45 - 171.45 strong Ankerite>>													
169.50	171.45				169.50	171.45	1.95	G276713	2.11	660	111	83	-2



# Drill Log

Project:

Cassiar

Hole Number:

TA12-02

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME- ICP41	Zn ppm ME- ICP41	Pb ppm ME-
<<Vein: 168.85 - 168.86		Quartz 45 deg. >>									
<<Vein: 170.02 - 170.06		Quartz 60 deg. >>									
<<Vein: 171.05 - 171.08		Quartz 55 deg. >>									
<<Struc: 169 - 169		moderate Bedded 36 deg. >> py banding									
<<Struc: 171 - 171		moderate fault 32 deg. >>									
<b>171.45</b>	<b>171.75</b>	<b>T1 Basalt</b>									
		<b>green</b>									
		<b>FG</b>	171.45	171.75	0.30	G276714	0.009	9	65	101	-2
<b>171.75</b>	<b>176.05</b>	<b>T2 Basalt - Altered</b>									
		<b>grey pink</b>									
		<b>FG</b>	171.75	173.00	1.25	G276715	2.32	1360	119	35	-2
171.75 - 176.05: As above T2 unit. Also minor 4-20cm unaltered zones. Sharp alteration boundaries for upper and lower contacts. Strong veining .2-3cm in width.											
<<Min: 171.75 - 176.05		5% pyrite>> as above T2 unit									
<<Alt: 171.75 - 176.05		strong Ankerite>>									
<<Vein: 175.2 - 175.22		Quartz 61 deg. >>									
<b>176.05</b>	<b>178.85</b>	<b>T8 Mafic Tuff</b>									
		<b>green</b>									
		<b>FMG</b>	176.05	178.00	1.95	G276718	-0.005	8	79	77	-2
176.05 - 178.85: chloritic banded and laminated unit.1-4mm bands.											
<<Struc: 176.5 - 176.5		moderate Bedded 22 deg. >>									
<<Struc: 177.2 - 177.2		moderate Bedded 20 deg. >>									
<b>178.85</b>	<b>179.30</b>	<b>SHZN Shear Zone</b>									
		<b>cream</b>									
		<b>FG</b>	178.85	179.30	0.45	G276721	0.32	79	122	86	-2
178.85 - 179.3: strongly deformed. Sheared and brecciated containing sub-angular clasts of QV. Strong pervasive calcite and moderate clay alteration, possible graphite along intense shear planes. Last 15cm shows the main deformation similar to other structure at 164.9m											
<<Alt: 178.85 - 179.3		moderate Chlorite >>									
<<Alt: 178.85 - 179.3		strong Calcite>>									
<<Struc: 178.85 - 179.3		strong fault breccia 32 deg. >>									
<b>179.30</b>	<b>191.00</b>	<b>T1 Basalt</b>									
		<b>green</b>									
		<b>FG</b>	179.30	181.00	1.70	G276722	-0.005	3	64	104	-2
179.3 - 191: chloritic unit, containing 10-30cm zones of stonger chlorite associated with minor QCV+BX (1-2cm) Minor jasper blebs.											
<<Alt: 190.8 - 191		weak Haematite - earthy>>									
<<Alt: 190.8 - 191		weak Ankerite>>									
<<Vein: 184 - 184.07		Calcite 65 deg. >> chorite inclusions									
<<Vein: 186.2 - 186.21		Calcite 20 deg. >>									
<<Struc: 179.85 - 180		moderate Sheared 65 deg. >> ak+dolomite alteration									
<<Struc: 185.77 - 185.78		moderate fault breccia 65 deg. >>									
<<Struc: 190 - 190		weak fault 40 deg. >>									
			181.00	183.00	2.00	G276723	-0.005	2	93	104	-2
			183.00	185.00	2.00	G276724	-0.005	3	69	102	-2
			185.00	187.00	2.00	G276726	-0.005	-2	73	91	2
			187.00	189.00	2.00	G276727	-0.005	3	57	104	2
			189.00	191.00	2.00	G276728	-0.005	4	77	111	3

# Drill Log

Project:

Cassiar

Hole Number:

TA12-02

From (m) To (m) Rocktype & Description

**191.00 193.00 SHZN Shear Zone**

**green-brown**

191 - 193: Red tinge. Deformed unit with localised intense shearing, augens of calcite/qtz, and strong hmt, clay and graphite? (Jasper/hmt rich tuff unit?)

<<Alt: 191 - 192.3 moderate Haematite - earthy>>

<<Alt: 191 - 192.3 moderate Chlorite >>

<<Alt: 192.5 - 193 moderate Haematite - earthy>>

<<Struc: 191.2 - 191.5 strong Sheared 20 deg. >>

<<Struc: 192.1 - 192.3 strong Sheared 35 deg. >>

**193.00 193.85 T1 Basalt**

**green-brown FG**

**193.85 194.75 T5 Quartz Vein**

**cream**

193.85 - 194.75: bxd and banded contacts. Majority quartz with broken zones + late bands of calcite alt

<<Vein: 193.85 - 194.75 Quartz 25 deg. >>

**194.75 195.50 T1 Basalt**

**green FG**

**195.50 197.55 T5 Quartz Vein**

**cream**

195.5 - 197.55: qtz and calcite veining, fragmental vein (1-5cm) and chloritic mafic wall rock.

<<Vein: 195.5 - 197.55 Quartz 25 deg. >>

**197.55 216.10 T1F Magnetic/Jasper Pillow Basalt**

**green FG**

197.55 - 216.1: minor clusters and pods (2-5cm) of jasper/magnetite/chlorite + Py

<<Min: 197.55 - 216.1 0.5% pyrite>>

<<Min: 197.55 - 216.1 0.1% chalcopyrite>>

<<Struc: 199.3 - 199.3 weak fault 20 deg. >>

<<Struc: 206.5 - 206.5 weak fault 10 deg. >> qcv + hematite

**End of Hole @ 216.1**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
191.00	192.30	1.30	G276729	0.008	10	48	102	-2
192.30	193.00	0.70	G276731	-0.005	4	56	118	-2
193.00	193.85	0.85	G276732	-0.005	2	68	128	2
193.85	194.75	0.90	G276733	0.006	3	37	18	2
194.75	195.50	0.75	G276734	-0.005	-2	59	143	3
195.50	197.55	2.05	G276735	0.008	6	113	67	2
197.55	199.00	1.45	G276736	0.006	2	62	98	2
199.00	201.00	2.00	G276737	-0.005	2	74	99	3
214.56	216.10	1.54	G276738	-0.005	3	55	77	2

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-03

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Jim Lehtinen
Grid:		Hole Diameter:	4 3/4	Survey By:	Jim Lehtinen	Date Started:	21/06/2012
UTM Easting:	459905.25	Core Size:	NQ	Azimuth:	178	Date Completed:	22/06/2012
UTM Northing:	6570521.21	Casing Pulled?:	<input type="checkbox"/>	Dip:	-50	Drill Company:	Apex
UTM Elev. (m):	1082.707	Casing Depth (m):	12.2	Length (m):	193.55	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	21/06/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	22/06/2012
Local Elev. (m):							

**Comments:**

Step out 25m to the east of T95-71 intersection of 4m at 8.7g/t. Poorly correlateable zones with other sections. Largest vein at 18.1 - 19.5m Narrow PY +/- AS mineralized zones.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
24.08	-49.4	150.2	23.5	173.7	ReflexEZS	Jim Lehtinen	21/06/2012		<input checked="" type="checkbox"/>	
60.65	-50.6	151.3	23.5	174.8	ReflexEZS	Jim Lehtinen	22/06/2012		<input checked="" type="checkbox"/>	
109.4	-51.7	150.7	23.5	174.2	ReflexEZS	Jim Lehtinen	22/06/2012		<input checked="" type="checkbox"/>	
158.2	-51.8	162.6	23.5	186.1	ReflexEZS	Jim Lehtinen	22/06/2012		<input type="checkbox"/>	Not accepted azimuth. In very strongly magnetic basalt
190.8	-51.9	162.4	23.5	185.9	ReflexEZS	Jim Lehtinen	22/06/2012		<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>0.00</b>	<b>12.20</b>	<b>OVB Overburden</b>									
0 - 12.2: Rubbly cored granitic to volcanics, some competent blocks of volcanics with clay gouge and Bx.											
<b>12.20</b>	<b>18.10</b>	<b>T2 Basalt - Altered</b>	12.20	14.94	2.74	G276751	0.156	193	49	72	-2
12.2 - 18.1: Broken, rubbly, minor quartz, weak pyrite, minor clay slip											
<<Min: 12.5 - 16 3% pyrite>> dominantly vein selvage											
<<Min: 17.5 - 18.1 5% pyrite>> patchy and diss. At vein contact.											
<<Alt: 12.2 - 18.1 strong Ankerite>>											
<<Vein: 12.7 - 12.8 Quartz 10 deg. >> PY in vein selvage											
<<Vein: 15.5 - 15.7 Quartz>> rubble											
<<Vein: 17.7 - 18.1 Quartz 2 deg. >> Ext? above main vein											
<<Struc: 16.6 - 16.7 weak fault gouge 35 deg. >> weak clay gouge slip											
<<Struc: 17.47 - 17.5 weak fault gouge 70 deg. >>											
			14.94	16.70	1.76	G276752	1.065	973	38	53	2
			16.70	17.50	0.80	G276753	0.029	121	68	107	-2
			17.50	18.10	0.60	G276754	1.175	729	34	46	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-03

From (m) To (m) Rocktype & Description

**18.10 19.50 T5 Quartz Vein**

<<Min: 18.1 - 19.5 7% pyrite>> Pyrite semi-massive near wallrock contact. Patchy internal clusters as well as internal shearing with PY

<<Vein: 18.1 - 19.5 Quartz 23 deg. >> Well mineralized at contacts with PY clusters. Banded veining in part with some stylonitic features and wallrock inclusions. Internal shear features at 22TCA.

<<Struc: 18.1 - 18.1 moderate fault 55 deg. >> fault at top of vein intersect

**19.50 30.60 T2 Basalt - Altered**

19.5 - 30.6: Gradational contact from AK altered to CA altered greenschist facies basalt.

<<Min: 19.5 - 20.1 5% pyrite>> Vein selvage

<<Min: 29 - 29.6 3% pyrite>> Trace AS,PO

<<Alt: 19.5 - 20.1 intense Ankerite>>

<<Alt: 20.1 - 26 moderate Ankerite>>

<<Alt: 26 - 30.6 moderate Ankerite>> Increased late calcite filled fractures

<<Vein: 19.73 - 19.74 Quartz 40 deg. >>

<<Vein: 21.9 - 21.92 Quartz 40 deg. >>

<<Vein: 22.4 - 22.43 Quartz 30 deg. >>

<<Vein: 22.55 - 22.58 Quartz 45 deg. >>

<<Vein: 29.2 - 29.23 Quartz 40 deg. >> Minor chlorite. Minor PY, Tr PO, AS

<<Struc: 20.5 - 20.8 moderate fault 40 deg. >> 2 fault slips with CA fill

<<Struc: 21.8 - 22.5 moderate Fractured>> vuggy

<<Struc: 29.7 - 30.3 strong Fractured>>

<<Struc: 30.3 - 37 weak Fractured>> Calcite fract. Fill

**30.60 37.00 T1 Basalt**

30.6 - 37: Broken and CA stringered, chloritic

<<Alt: 30.6 - 37 strong Calcite>> Fracture related and pervasive. Late structures.

<<Vein: 34.7 - 34.72 Quartz 20 deg. >> Largest vein in strongly stringered basalt. Vein late faulted at 07 TCA with CA and slicks.

<<Struc: 36.27 - 36.3 moderate fault breccia 12 deg. >> Calcite healed

**37.00 57.50 T2 Basalt - Altered**

37 - 57.5: Numerous fine stringers, and fine stockwork in fractured core.

<<Min: 44 - 44.75 7% pyrite>>

<<Min: 44.75 - 45.3 2% pyrite>>

<<Min: 45.3 - 45.7 3% pyrite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
18.10	19.50	1.40	G276755	10.15	3510	10	12	6
19.50	20.10	0.60	G276756	0.525	667	54	74	-2
20.10	21.80	1.70	G276757	0.137	527	55	70	3
21.80	23.90	2.10	G276761	0.49	613	59	70	-2
23.90	26.00	2.10	G276758	0.01	196	75	109	-2
26.00	28.00	2.00	G276759	-0.005	65	68	119	2
28.00	30.00	2.00	G276762	0.092	429	55	127	2
30.00	32.00	2.00	G276763	-0.005	33	69	110	-2
32.00	34.00	2.00	G276764	-0.005	8	66	112	-2
34.00	36.00	2.00	G276765	-0.005	7	65	114	-2
36.00	38.00	2.00	G276766	0.005	11	67	104	-2
38.00	40.00	2.00	G276767	-0.005	38	74	102	-2
40.00	42.00	2.00	G276768	-0.005	89	114	105	-2
42.00	44.00	2.00	G276769	0.175	217	49	93	-2
44.00	44.75	0.75	G276771	1.695	1455	15	39	5

light grey

# Drill Log

Project:

Cassiar

Hole Number:

TA12-03

From (m) To (m) Rocktype & Description

<<Min: 49.3 - 51 1% pyrite>>  
 <<Min: 51 - 52.8 3% pyrite>>  
 <<Alt: 37 - 44.75 moderate Ankerite>>  
 <<Alt: 45.3 - 52.8 intense Ankerite>>  
 <<Alt: 48.7 - 52.8 strong Sericite>>  
 <<Alt: 52.8 - 57.5 moderate Ankerite>>  
 <<Vein: 44.75 - 45.3 Quartz>> Late fracturing within vein and faulted HW and FW  
 <<Vein: 47.9 - 48.3 Quartz 25 deg. >> Similar to vein above. Composed of vein multiples. Faulted, broken footwall.  
 <<Struc: 37 - 37.05 moderate fault breccia>> Healed with CA, DO  
 <<Struc: 38.5 - 38.5 moderate Foliated 20 deg. >> Shear band? Core healed and weakly brecciated parallel to shear band.  
 <<Struc: 44 - 44.1 moderate fault 25 deg. >> Graphitic to sulphidic fault. Slicks as strike slip on plane  
 <<Struc: 44.75 - 44.75 moderate fault 60 deg. >> Contact fault  
 <<Struc: 45.3 - 45.3 moderate fault 40 deg. >> Contact fault  
 <<Struc: 47 - 47.2 moderate Fractured 15 deg. >> Numerous chloritic fractures throughout unaltered basalt

**57.50 68.60 T1 Basalt grey-green**

57.5 - 68.6: Numerous chlorite and calcite fractures. Strongly CA altered and stringered. Gradational contact into AK altered basalt below.

<<Alt: 57.5 - 70.35 moderate Calcite>>  
 <<Alt: 57.5 - 70.65 moderate Chlorite >>  
 <<Struc: 63.6 - 64.4 moderate Fractured 3 deg. >> Strongly fractured and filled with CA, common CL on fracture planes

**68.60 72.20 T2 Basalt - Altered light grey**

68.6 - 72.2: Strong AK altered

<<Min: 70.65 - 72.2 1% pyrite>>  
 <<Alt: 70.65 - 72.2 strong Ankerite>>  
 <<Vein: 69.2 - 69.21 Calcite 30 deg. >> Zone of numerous CA stringers

**72.20 83.10 T2 Basalt - Altered**

72.2 - 83.1: Dominantly intense altered with minor broken core areas.

<<Min: 72.2 - 77.4 7% pyrite>> PY aggregates up to 1.5 cm  
 <<Min: 77.4 - 80.4 5% pyrite>> Disseminated and vein selvage PY  
 <<Min: 80.4 - 81.1 3% pyrite>> Trace AS

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
44.75	45.30	0.55	G276772	0.041	64	-1	32	2
45.30	45.70	0.40	G276773	0.707	839	36	48	-2
45.70	47.80	2.10	G276774	-0.005	109	102	96	2
47.80	48.40	0.60	G276776	0.006	93	19	40	-2
48.40	51.00	2.60	G276777	0.077	216	66	87	-2
51.00	52.80	1.80	G276778	0.772	1500	19	32	-2
52.80	55.00	2.20	G276779	-0.005	58	72	108	-2
55.00	57.00	2.00	G276781	-0.005	39	65	96	-2
57.00	59.00	2.00	G276782	-0.005	5	68	72	-2
59.00	61.00	2.00	G276783	-0.005	4	87	72	-2
61.00	63.00	2.00	G276784	-0.005	4	81	80	-2
63.00	65.00	2.00	G276785	-0.005	5	70	100	-2
65.00	67.00	2.00	G276786	-0.005	21	77	99	-2
67.00	69.00	2.00	G276787	-0.005	10	72	103	-2
69.00	70.65	1.65	G276788	-0.005	59	70	107	4
70.65	72.20	1.55	G276789	0.007	86	70	100	3
72.20	74.20	2.00	G276791	1.99	1415	31	42	3
74.20	75.70	1.50	G276792	3.18	1145	29	36	3
75.70	77.40	1.70	G276793	0.837	1055	14	34	3
77.40	78.80	1.40	G276794	1.02	558	47	50	3

# Drill Log

Project:

Cassiar

Hole Number:

TA12-03

From (m) To (m) Rocktype & Description

<<Alt: 72.2 - 81.99 intense Ankerite>>  
 <<Alt: 81.99 - 83.1 moderate Ankerite>> Transition from CA altered to unaltered basalt.  
 <<Vein: 77.3 - 77.31 Quartz 65 deg. / Quartz 15 deg. >>  
 <<Vein: 82.4 - 83.1 Calcite 23 deg. >> Defines bottom of intense AK alteration zone  
 <<Struc: 79.5 - 79.6 moderate breccia 70 deg. >> CA & PY in fault with 20% PY.  
 <<Struc: 81.7 - 81.8 weak fault 45 deg. >> Clay alteration with weak fault slips

**83.10 91.60 T1 Basalt cream**

83.1 - 91.6: CA altered and stringered

<<Alt: 83.1 - 91.6 moderate Calcite>>  
 <<Vein: 85.5 - 85.51 Calcite 65 deg. >>

**91.60 92.90 T2 Basalt - Altered**

<<Alt: 91.6 - 92.9 moderate Ankerite>> Selective alteration of banded tuff.  
 <<Vein: 92.8 - 92.82 Calcite 25 deg. >>

**92.90 97.75 T1 Basalt**

92.9 - 97.75: Numerous CA stringers, CA alt

<<Struc: 92.9 - 92.9 weak fault 50 deg. >> Weak slip

**97.75 99.40 T8 Mafic Tuff**

<<Struc: 97.75 - 97.75 contact 70 deg. >>  
 <<Struc: 99.3 - 101.5 Fractured>> calcite infill

**99.40 102.10 T1 Basalt**

99.4 - 102.1: Strongly fractured with numerous calcite stringers and fracture fill

**102.10 102.90 CV Carbonate Vein**

102.1 - 102.9: Quartz Carbonate Vein

<<Vein: 102.1 - 102.9 Quartz 20 deg. >> Bottom contact faulted at 70 TCA, Tourmaline near bottom contact

**102.90 103.35 T1 Basalt**

**103.35 106.10 T8 Mafic Tuff light grey**

103.35 - 106.1: Fine Grained, thin bedded to laminated with distorted bedding. Micro fractures weak to moderate

<<Min: 103.35 - 138.7 0.1% pyrite>> Trace PY over interval, Assoc. with very fine darker fractures = carbon?  
 <<Struc: 105.8 - 106.3 strong Fractured>> Strong fracturing with fault.  
 <<Struc: 106 - 106.1 moderate fault 5 deg. >> PY and numerous slick surfaces

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
78.80	80.40	1.60	G276795	0.868	852	16	35	3
80.40	82.40	2.00	G276796	0.006	60	75	83	3
82.40	83.10	0.70	G276797	0.011	36	60	79	3
83.10	85.04	1.94	G276798	-0.005	3	73	96	3
85.04	87.00	1.96	G276799	-0.005	3	81	78	-2
87.00	89.00	2.00	G276801	-0.005	4	72	69	-2
89.00	91.60	2.60	G276802	0.264	271	39	56	2
91.60	92.90	1.30	G276803	-0.005	2	62	101	3
92.90	95.50	2.60	G276804	0.027	3	61	98	2
95.50	97.75	2.25	G276805	0.009	-2	47	101	3
97.75	99.40	1.65	G276806	0.007	6	54	51	-2
99.40	102.10	2.70	G276807	-0.005	34	80	120	5
102.10	102.90	0.80	G276808	-0.005	2	1	3	3
102.90	103.35	0.45	G276809	-0.005	42	43	163	4
103.35	105.00	1.65	G276811	-0.005	17	64	65	5
105.00	106.38	1.38	G276812	0.01	89	80	94	9

# Drill Log

Project:

Cassiar

Hole Number:

TA12-03

From (m) To (m) Rocktype & Description

**106.10 113.40 T7 Argillaceous Chert grey-green**

106.1 - 113.4: Cherty tuff to argillaceous tuff. Distinguished from unit below by stronger carbon component.

<<Vein: 111.1 - 111.1 Quartz 30 deg. >>

<<Vein: 112.1 - 112.11 Quartz>>

<<Struc: 109 - 109 Bedded 55 deg. >>

<<Struc: 109.9 - 109.9 Bedded 55 deg. >>

<<Struc: 110.1 - 110.1 Bedded 70 deg. >>

<<Struc: 111.12 - 111.2 Bedded 70 deg. >>

**113.40 138.70 5B Chert grey-green**

113.4 - 138.7: Or coe T7. Interbedded fine grained, light green ash tuff with light grey chert. Weak micro fracture stringers throughout, < 1m zones entire chert

<<Vein: 119.2 - 119.23 Quartz 25 deg. >> Purple-grey, trace-trace PY

<<Struc: 123.8 - 123.8 Bedded 70 deg. >>

<<Struc: 130.4 - 130.4 Bedded 70 deg. >>

<<Struc: 133.6 - 134.1 moderate Brecciated >> Brittle vuggy fracturing

<<Struc: 134.1 - 135 strong Fractured>> Brittle broken core. Main fracture sub-parallel TCA?

**138.70 140.70 T8 Mafic Tuff grey-green**

138.7 - 140.7: Transition fine top to coarse lapilli size fragments near base. Lapilli frags rimmed with chlorite

**140.70 168.80 T1F Magnetic/Jasper Pillow Basalt grey-green**

140.7 - 168.8: Dark basalt with hematite, epidote and calcite interpillow and fracture associated. Magnetic. Patchy hematite.

**168.80 193.55 5DD Argillite green**

168.8 - 193.55: Or, code T13. Light green vfg massive, featureless in part. Becoming weakly bedded over some intervals.

<<Struc: 171.6 - 174.7 strong Fractured>> Strongly fractured at 45 and low angle TCA.

<<Struc: 182.2 - 182.2 Bedded 50 deg. >>

<<Struc: 183.15 - 185.5 strong Fractured>> Rubbly fractured.

<<Struc: 188.5 - 190.6 strong Fractured 35 deg. >> Common fracturing sub-parallel to bedding

<<Struc: 189 - 189 Bedded 40 deg. >>

<<Struc: 190.5 - 190.5 Bedded 35 deg. >>

<<Struc: 191 - 193.55 Fractured>> Fractured across and along CA

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
106.38	108.00	1.62	G276813	-0.005	33	73	53	6

## Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-03**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>End of Hole @ 193.55</b>											



# Drill Log

**Project:** Cassiar **Hole Number:** TA12-04

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Margot McKeown
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	22/06/2012
UTM Easting:	459627.42	Core Size:	NQ	Azimuth:	174.5	Date Completed:	23/06/2012
UTM Northing:	6570439.45	Casing Pulled?:	<input type="checkbox"/>	Dip:	-44.8	Drill Company:	Apex
UTM Elev. (m):	1103.114	Casing Depth (m):	3.05	Length (m):	158.19	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title:		Drill Started:	22/06/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	23/06/2012
Local Elev. (m):							
Comments:							

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
14.93	-44.8	152.1	23.66	175.76	ReflexEZS		22/06/2012	5945	<input checked="" type="checkbox"/>	
66.75	-44.4	152	23.66	175.66	ReflexEZS		23/06/2012	5859	<input checked="" type="checkbox"/>	
118.57	-45	154.8	23.66	178.46	ReflexEZS		23/06/2012	5866	<input type="checkbox"/>	
158.19	-45.2	136.9	23.66	160.56	ReflexEZS		23/06/2012	570.2	<input type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>0.00</b>	<b>3.33</b>	<b>OVB Overburden</b>									
<b>3.33</b>	<b>5.66</b>	<b>T1 Basalt</b>	3.33	5.66	2.33	G276739	-0.005	-2	67	104	-2
3.33 - 5.66: Fractured basalt.											
<<Struc: 3.33 - 5.66 moderate Fractured 50 deg. >> Moderately to strongly fractured basalt. Most of the fracturing is randomly oriented though some are 50 degrees tca. Micro-fractures with calcite are common throughout.											
<<Struc: 3.33 - 27.56 moderate Fractured>> The interval is highly fractured with abundant discrete zones of fault gouge. There is not a consistent fracture angle to core axis.											
<b>5.66</b>	<b>21.06</b>	<b>T2 Basalt - Altered</b>	5.66	6.38	0.72	G276741	0.715	2470	44	89	-2
5.66 - 21.06: Highly ankerite and carbonate altered basalt. Alteration halo from a 6.5cm quartz vein with coarse, euhedral pyrite and arsenopyrite. The quartz vein has ankerite(?) stylolites. The lower contact with slightly less intensely altered basalt is marked with a zone of intense fault gouge.											
<<Min: 5.97 - 6.22 6% pyrite>>											
<<Min: 5.97 - 6.22 3% arsenopyrite>>											
<<Min: 6.44 - 6.58 1% arsenopyrite>>											
<<Min: 6.44 - 6.58 5% pyrite>>											
			6.38	9.50	3.12	G276742	1.205	2960	42	127	-2
			9.50	12.30	2.80	G276743	0.015	69	76	100	-2
			12.30	12.73	0.43	G276744	1.43	5630	43	57	-2
			12.73	14.94	2.21	G276745	0.058	157	58	95	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-04

From (m)	To (m)	Rocktype & Description
<<Min: 8.56 - 9.03	0.5% arsenopyrite>>	Euhedral arsenopyrite occurring with pyrite, it is particularly abundant near the lower contact with the quartz vein.
<<Min: 8.56 - 9.03	4% pyrite>>	The upper and lower parts of this section are adjacent to quartz veins and have a greater abundance of pyrite.
<<Min: 12.3 - 12.73	6% pyrite>>	
<<Min: 12.3 - 12.73	arsenopyrite>>	Occurs with pyrite but is more fine grain but well formed.
<<Min: 15.09 - 15.92	5% pyrite>>	Associated with several cm scale quartz veins. Some eudral and some coarse disseminated.
<<Min: 15.09 - 15.92	1% arsenopyrite>>	Associated with cm scale quartz veins. Fine, disseminated.
<<Min: 16.3 - 19.1	0.5% arsenopyrite>>	Fine, disseminated.
<<Min: 16.3 - 19.1	3% pyrite>>	
<<Min: 19.1 - 20	1% pyrite>>	
<<Min: 20.46 - 20.66	2% arsenopyrite>>	Adjacent to the quartz vein, fine disseminated.
<<Min: 20.46 - 20.66	6% pyrite>>	Adjacent to the quartz vein.
<<Min: 20.66 - 21.06	0.5% pyrite>>	
<<Alt: 5.66 - 6.22	moderate Fe-Carbonate>>	Stronger carbonate alteration away from the quartz vein.
<<Alt: 5.66 - 6.22	strong Ankerite>>	
<<Alt: 5.97 - 6.22	weak Silicification >>	Adjacent to quartz vein,
<<Alt: 6.22 - 21.06	moderate White mica (Serците)>>	Pervasive throughout.
<<Alt: 6.22 - 21.06	moderate Ankerite>>	
<<Vein: 6.22 - 6.27	Quartz 60 deg. >>	Ankerite(?) stylolites. Shear vein?
<<Vein: 8.54 - 8.56	Quartz 75 deg. >>	The vein appears extensional with a slight fibrous texture perpendicular to vein margins.
<<Vein: 8.85 - 8.85	Quartz 80 deg. >>	
<<Vein: 8.92 - 8.92	Quartz 70 deg. >>	
<<Vein: 9.03 - 9.1	Quartz>>	The vein is fractured, angle to core axis can't be determined.
<<Vein: 11.71 - 11.72	Quartz 70 deg. >>	Offset extensional quartz vein
<<Vein: 12.45 - 12.47	Quartz 80 deg. >>	Quartz vein with pyrite and arsenopyrite(?) it is quite steely grey and does not have a well formed crystal habit.
<<Vein: 12.9 - 12.91	Quartz 55 deg. >>	Slight fibrous texture perpendicular to vein margins.
<<Vein: 15.23 - 15.26	Quartz 75 deg. >>	
<<Vein: 15.65 - 15.7	Quartz 70 deg. >>	
<<Vein: 15.79 - 15.84	Quartz 80 deg. >>	Quartz vein with graphitic margins and a mm scale graphitic band within. Contains py and apy.
<<Vein: 17.98 - 18.08	Quartz>>	Quartz vein without a distinct texture.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
14.94	15.94	1.00	G276746	1.49	5910	81	84	-2
15.94	17.65	1.71	G276747	0.081	109	74	96	-2
17.65	19.65	2.00	G276748	1.305	1270	48	76	-2
19.65	20.44	0.79	G276749	0.289	340	120	61	-2
20.44	20.74	0.30	G276951	1.03	10000.1	18	45	4

20.74	21.08	0.34	G276952	0.671	487	48	76	-2
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-04

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Vein: 19.99 - 20.02 Quartz-Carbonate 80 deg. >> One set in a series of extensional quartz veins that have been offset by 1 cm. The zone from 19.99-20.31 appears to have been torn apart and then faulted. The veins are dominated by quartz with lesser calcite along margins.											
<<Vein: 20.5 - 20.61 Quartz-Sericite/White mica-Sulphides 70 deg. >> Quartz vein with lesser ankerite, sericite and minor mariposite. Fine arsenopyrite and slightly more coarse pyrite occur within the vein. It appears to be a shear vein as it has fine, stringy extensional veins originating from it.											
<<Struc: 6.27 - 6.44 fault gouge>>											
<<Struc: 12.67 - 12.69 moderate fault gouge 55 deg. >> Graphitic fault surface											
<b>21.06</b>	<b>24.53</b>	<b>T1 Basalt</b>	21.08	22.83	1.75	G276953	-0.005	65	66	104	3
<<Min: 24.04 - 24.08 1% arsenopyrite>> Fine, disseminated associated with extensional carbonate vein. Strange for what appears to be a late stage carbonate vein.			22.83	24.53	1.70	G276954	0.026	193	65	111	3
<<Vein: 24.05 - 24.06 Carbonate-Chlorite 60 deg. >> Extensional carbonate vein with lesser chlorite. Very fine, disseminated arsenopyrite associated with the vein.											
<b>24.53</b>	<b>33.38</b>	<b>T2 Basalt - Altered</b>	24.53	26.67	2.14	G276955	0.443	1260	62	92	2
<<Min: 26 - 27 2% pyrite>>			26.67	26.97	0.30	G276956	0.583	808	11	11	-2
<<Min: 26 - 27 0.1% arsenopyrite>>			26.97	27.36	0.39	G276957	0.826	467	56	80	2
<<Min: 28.2 - 28.82 4% pyrite>>			27.36	28.22	0.86	G276958	-0.005	51	52	95	3
<<Min: 28.22 - 28.82 1% arsenopyrite>>			28.22	28.60	0.38	G276959	2.59	10000.1	36	57	4
<<Min: 28.22 - 28.82 1% arsenopyrite>>			28.60	28.94	0.34	G276961	1.09	10000.1	24	19	3
<<Min: 29.02 - 29.39 1% pyrite>>											
<<Min: 29.02 - 29.39 0.1% arsenopyrite>>			28.94	29.44	0.50	G276962	1.32	4210	49	74	4
<<Min: 32 - 32.55 7% pyrite>> Blebs form incomplete bands within a quartz vein and is fine to coarse euhedral within the wall rock.			29.44	31.44	2.00	G276963	0.067	230	55	106	2
<<Min: 32 - 32.55 0.1% arsenopyrite>> Trace, fine disseminated.			31.44	32.61	1.17	G276964	10.3	1310	89	340	4
<<Alt: 24.53 - 28.3 strong Ankerite>>			32.61	33.38	0.77	G276965	0.19	133	82	97	3
<<Alt: 28.3 - 33.38 moderate Ankerite>>											
<<Alt: 32.54 - 33.38 moderate Silicification >>											
<<Vein: 26.61 - 26.89 Quartz-Carbonate 70 deg. >> Quartz vein that has been reactivated with carbonate rich fluids that has brecciated the margin of the vein.											
<<Vein: 28.42 - 28.45 Quartz 70 deg. >> Quartz vein, possibly extensional with fine pyrite and minor tetrahedrite(?)											
<<Vein: 28.7 - 28.74 Quartz-Sulphide 80 deg. >> Banded quartz vein with abundant pyrite and arsenopyrite along the margins and to a lesser extent, within the vein.											
<<Vein: 28.85 - 29.04 Quartz 75 deg. >> Quartz vein with slightly undulating margin.			33.38	35.38	2.00	G276966	0.005	7	70	106	3
<b>33.38</b>	<b>37.05</b>	<b>T1 Basalt</b>	35.38	36.27	0.89	G276967	-0.005	31	63	113	-2
<<Alt: 33.38 - 37.05 weak Ankerite>>											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-04

From (m) To (m) Rocktype & Description

**37.05 37.30 T2 Basalt - Altered**

<<Min: 37.05 - 38.2 4% pyrite>>  
 <<Min: 37.05 - 38.2 0.5% arsenopyrite>>  
 <<Alt: 37.05 - 37.78 weak White mica (Sericite)>>  
 <<Alt: 37.05 - 37.78 moderate Ankerite>>

**37.30 37.78 T5 Quartz Vein**

<<Vein: 37.3 - 37.78 Quartz>> Likely extensional

**37.78 38.95 T2 Basalt - Altered**

<<Alt: 37.78 - 38.95 moderate Ankerite>>

**38.95 41.04 T1 Basalt**

**41.04 51.83 T2 Basalt - Altered**

<<Min: 43.6 - 45 4% pyrite>>  
 <<Min: 45 - 49.3 0.5% pyrite>>  
 <<Min: 49.3 - 51.64 4% pyrite>> Greater abundance proximal to vein margins.  
 <<Min: 50.7 - 50.95 2% arsenopyrite>>  
 <<Alt: 41.04 - 51.83 moderate Ankerite>>  
 <<Vein: 44.05 - 44.15 Quartz-Sulphide 22 deg. >> Quartz vein pyrite and graphite(?) stringers  
 <<Vein: 44.63 - 44.66 Quartz 55 deg. >> Extensional quartz vein with a slight fibrous texture perpendicular to the vein margins  
 <<Vein: 45.02 - 45.1 Quartz 75 deg. >> Extensional quartz vein, slight fibrous texture along marings  
 <<Vein: 46.8 - 46.84 Quartz 60 deg. >>  
 <<Vein: 49.72 - 49.74 Quartz>> Pinched out quartz vein within a grahitic zone.  
 <<Vein: 50.41 - 50.45 Quartz 75 deg. >>  
 <<Vein: 51.31 - 51.51 Quartz 40 deg. >> Likely an extensional vein as there are pieces of wall rock in the vein that appear to have been 'suctioned' off  
 <<Struc: 45 - 51.25 moderate Fractured>>

**51.83 56.91 T1 Basalt**

**56.91 57.47 T2 Basalt - Altered**

<<Alt: 56.91 - 57.17 moderate Fe-Carbonate>>  
 <<Alt: 56.91 - 57.17 moderate Ankerite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
36.27	37.05	0.78	G276968	-0.005	77	70	124	-2
37.05	37.30	0.25	G276969	2.86	10000.1	42	58	2

37.30	37.78	0.48	G276971	0.438	1600	10	12	-2
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37.78	38.19	0.41	G276972	2.65	1540	66	65	2
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38.19	38.95	0.76	G276973	0.005	69	65	107	-2
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38.95	41.04	2.09	G276974	-0.005	11	88	107	-2
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41.04	42.85	1.81	G276976	-0.005	23	77	97	-2
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42.85	43.60	0.75	G276977	0.018	123	73	108	-2
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43.60	44.61	1.01	G276978	4.14	1250	47	56	2
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44.61	45.36	0.75	G276979	0.536	1500	37	57	-2
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45.36	47.36	2.00	G276981	0.867	2880	47	59	2
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47.36	49.31	1.95	G276982	0.065	146	58	89	-2
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49.31	49.80	0.49	G276983	1.17	2530	35	40	-2
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49.80	50.26	0.46	G276984	1.325	2880	27	54	2
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50.26	51.26	1.00	G276985	1.96	3100	52	53	-2
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51.26	51.83	0.57	G276986	0.382	264	24	59	-2
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51.83	53.52	1.69	G276987	-0.005	9	64	110	-2
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53.52	55.24	1.72	G276988	-0.005	2	72	107	-2
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55.24	56.91	1.67	G276989	-0.005	2	69	94	-2
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56.91	57.47	0.56	G276991	0.005	70	53	90	-2
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-04

From (m) To (m) Rocktype & Description

**57.47 58.11 T1 Basalt**  
**58.11 80.19 T2 Basalt - Altered**

58.11 - 80.19: Brecciated near the lower contact, not primary.

<<Min: 58.11 - 59.8 4% pyrite>>  
 <<Min: 59.43 - 59.73 0.5% arsenopyrite>> Very fine disseminated.  
 <<Min: 59.73 - 61.56 0.5% pyrite>>  
 <<Min: 61.56 - 62.5 7% pyrite>> Blebs within the quartz vein and euhedral in the wallrock  
 <<Min: 65.05 - 65.3 0.1% arsenopyrite>> Very fine disseminated  
 <<Min: 68.25 - 68.7 4% pyrite>> Disseminated and as blebs.  
 <<Min: 69.85 - 70.2 2% pyrite>>  
 <<Min: 69.85 - 70.2 0.5% arsenopyrite>>  
 <<Min: 70.73 - 70.97 5% pyrite>>  
 <<Min: 73.73 - 73.97 5% pyrite>> Focused around the margins of a cm scale quartz vein.  
 <<Alt: 58.11 - 70.97 moderate Ankerite>>  
 <<Alt: 68.8 - 70.97 weak Fuchsite/Mariposite >> mm-cm patches throughout.  
 <<Alt: 70.97 - 80.19 strong Ankerite>> The unit is flooded with ankerite(?) giving it a fleshy/yellow colour  
 <<Vein: 59.6 - 59.63 Quartz 60 deg. >>  
 <<Vein: 61.82 - 62.1 Quartz 65 deg. >> Quartz vein with pieces of wall rock in it as well as graphite and pyrite stringers  
 <<Vein: 64.82 - 64.84 Quartz 50 deg. >> Quartz with grahitic and pyrite stringers  
 <<Vein: 65.15 - 65.27 Quartz-Fuchsite/Mariposite 85 deg. >> Quartz vein with minor sericite and mariposite/fuchsite near the margins. It is likely an extensional vein, based on the margin textues.  
 <<Vein: 67.75 - 67.78 Quartz 60 deg. >> Undulating margin  
 <<Vein: 68.47 - 68.52 Quartz 65 deg. >>  
 <<Vein: 69.8 - 69.83 Quartz 65 deg. >> Shear vein with extensional veins at about 30 degrees to this vein  
 <<Vein: 69.99 - 70.02 Quartz 65 deg. >> Offset by 1 cm with a stringer of pyrite throuh the centre of the vein.  
 <<Vein: 75.2 - 75.33 Quartz 60 deg. >> Quartz with lesser dolomite(?) and bands of wall rock incorporated.  
 <<Vein: 79.52 - 79.57 Quartz-Carbonate 45 deg. >> Quartz-carbonte vein  
 <<Struc: 58.7 - 58.9 intense fault gouge>> Intense fault gouge with fine pyrite.

**80.19 84.00 SHZN Shear Zone**

80.19 - 84: Finely bedded tuff with a sharp change in alteration at 83.24. Contains abundant pinched out carbonate veinlets and shows evidence of several structural events.

<<Alt: 80.19 - 83.29 moderate Graphite>> Along shear surfaces  
 <<Alt: 80.19 - 83.29 strong Fe-Carbonate>> As bands and bands likely related to late movement and later pinched and offset by further movement. Preferential orientation along bedding.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
57.47	58.11	0.64	G276992	0.012	74	48	96	-2
58.11	59.00	0.89	G276993	1.205	1030	39	54	2
59.00	61.56	2.56	G276994	0.177	138	62	89	-2
61.56	62.58	1.02	G276995	3.8	4790	31	65	2
62.58	63.62	1.04	G276996	0.074	186	48	96	-2
63.62	65.09	1.47	G276997	0.044	199	67	86	-2
65.09	65.39	0.30	G276998	0.029	219	26	50	-2
65.39	66.86	1.47	G276999	0.009	319	60	85	-2
66.86	68.26	1.40	G277001	0.046	473	65	85	-2
68.26	69.67	1.41	G277002	0.178	174	51	83	-2
69.67	70.67	1.00	G277003	3.09	309	55	89	-2
70.67	70.97	0.30	G277004	0.722	637	42	59	-2
70.97	72.76	1.79	G277005	0.274	397	56	77	-2
72.76	73.55	0.79	G277006	0.1	85	110	96	-2
73.55	74.06	0.51	G277007	0.806	239	57	81	-2
74.06	75.10	1.04	G277008	0.073	124	58	77	-2
75.10	75.55	0.45	G277009	0.122	201	16	58	-2
75.55	77.55	2.00	G277011	0.016	145	56	86	-2
77.55	79.30	1.75	G277012	0.021	156	56	79	-2
79.30	79.60	0.30	G277013	0.959	1170	34	72	-2
79.60	80.19	0.59	G277014	0.013	230	63	85	-2
80.19	82.19	2.00	G277015	0.317	309	57	92	-2
82.19	83.29	1.10	G277016	0.143	896	48	80	-2
83.29	85.69	2.40	G277017	-0.005	2	68	105	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-04

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Alt: 80.19 - 83.29 strong Ankerite>>		Preferentially within certain layers of the bedded tuff(?)									
<<Alt: 83.29 - 84 moderate Haematite - earthy>>		As fine bands and stringers preferentially along bedding									
<<Alt: 83.29 - 84 strong Calcite>>		Space filling, preferentially along bedding									
<<Struc: 80.19 - 84 strong Finely laminated/laminated/finely bedded 40 deg. >>											
<b>84.00</b>	<b>85.64</b>	<b>T1 Basalt</b>									
84 - 85.64: Small section of pillow basalt. Void of mineralization.											
<<Alt: 84 - 85.64 weak Haematite - earthy>>		Trace, along vein salvages with chlorite.									
<<Alt: 84 - 85.64 moderate Calcite>>		Space filling as well as mm scale veinlets.									
<b>85.64</b>	<b>87.80</b>	<b>SHZN Shear Zone</b>	85.69	86.08	0.39	G277018	-0.005	-2	86	129	-2
85.64 - 87.8: Void of mineralization.											
<<Alt: 85.64 - 86.08 moderate Calcite>>		As micro veinlets along bedding and mm scale veins cutting bedding.	86.08	87.15	1.07	G277019	0.177	277	60	100	-2
<<Alt: 86.08 - 87.15 moderate Graphite>>		Fine bands, preferentially along bedding and likely related to shear surfaces.	87.15	87.80	0.65	G277021	0.017	14	67	121	-2
<<Alt: 86.08 - 87.15 strong Ankerite>>		Strong throughout though preferentially along bedding.									
<<Alt: 87.15 - 87.8 moderate Fe-Carbonate>>		Fracture filling and as veinlets, some cutting bedding.									
<<Struc: 85.64 - 87.8 strong Finely laminated/laminated/finely bedded 50 deg. >>											
<b>87.80</b>	<b>123.47</b>	<b>T1A Pillow Basalt</b>	87.80	89.80	2.00	G277022	-0.005	3	96	108	-2
87.8 - 123.47: Nice quenched textures in sections. Abundant inter-pillow breccias. Void of mineralization. Abundant chlorite with lesser epidote and calcite, greenschist metamorphism. Minor jasper in the spaces between pillows. Select zones are moderately magnetic.											
<<Alt: 87.8 - 123.47 weak Magnetite>>			89.80	91.80	2.00	G277023	-0.005	-2	60	119	-2
<<Alt: 87.8 - 123.47 weak Epidote>>		greenschist	91.80	93.80	2.00	G277024	-0.005	-2	122	96	-2
			93.80	95.80	2.00	G277026	-0.005	3	77	106	-2
			95.80	97.80	2.00	G277027	-0.005	-2	71	89	-2
<b>123.47</b>	<b>141.47</b>	<b>T1F Magnetic/Jasper Pillow Basalt</b>									
123.47 - 141.47: Highly magnetite altered pillow basalt with oolitic jasper in the pillow interstices. Mm scale oolites with a concentric pattern.											
<<Alt: 123.47 - 141.47 intense Magnetite>>		Pervasive throughout the basalt.									
<b>141.47</b>	<b>158.19</b>	<b>T1F Magnetic/Jasper Pillow Basalt</b>									
141.47 - 158.19: Pillow basalt with less abundant magnetite and oolitic jasper and more common epidote.											
<<Alt: 141.47 - 158.19 weak Epidote>>		Between pillows, greenschist									

End of Hole @ 158.19



**Drill Log**

**Project:**

**Cassiar**

**Hole Number:**

**TA12-04**

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-05

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ryan Congdon
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	24/06/2012
UTM Easting:	459752.17	Core Size:	NQ	Azimuth:	180	Date Completed:	26/06/2012
UTM Northing:	6570468.04	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-50	Drill Company:	Apex
UTM Elev. (m):	1113.019	Casing Depth (m):	4.57	Length (m):	206.96	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	23/06/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	25/06/2012
Local Elev. (m):							

**Comments:**

TA12-05 (TRS-A) is designed to test an interpreted steep structure below gold mineralisation in 96-106 and 96-107 (RC holes) and possible mineralisation at the Interpreted Taurus Thrust.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
8.8	-51.5	149.8	23.37	173.17	ReflexEZS		23/06/2012	5910	<input checked="" type="checkbox"/>	
8.81	-51.6	149.5	23.37	172.87	ReflexEZS	Ryan Congdon	25/06/2012	5863	<input type="checkbox"/>	re-test when pulling rods EOH.
54.5	-52	153.2	23.37	176.57	ReflexEZS	Ryan Congdon	25/06/2012	5846	<input checked="" type="checkbox"/>	re-test when pulling rods EOH.
54.55	-52	151.2	23.37	174.57	ReflexEZS		24/06/2012	5863	<input checked="" type="checkbox"/>	Variations in survey readings are been tested in this hole. On surface the Reflex tool matched the geologists compass's.
75.9	-52.5	154.5	23.37	177.87	ReflexEZS		24/06/2012	5876	<input checked="" type="checkbox"/>	
103.3	-52.2	153.5	23.37	176.87	ReflexEZS	Ryan Congdon	25/06/2012	5871	<input checked="" type="checkbox"/>	re-test when pulling rods EOH.
121.6	-52	147.7	23.37	171.07	ReflexEZS	Ryan Congdon	24/06/2012	5494	<input type="checkbox"/>	Magnetite rich Basalt. Reject azimuth reading.
152	-52.8	147.9	23.37	171.27	ReflexEZS	Ryan Congdon	25/06/2012	5389	<input type="checkbox"/>	Magnetite rich Basalt. Re-test when pulling rods EOH.
165.5	-52.6	149.7	23.37	173.07	ReflexEZS	Ryan Congdon	24/06/2012	5204	<input type="checkbox"/>	Magnetite rich basalt. Reject azimuth reading.
170.4	-52.4	166.9	23.37	190.27	ReflexEZS	Ryan Congdon	25/06/2012	5086	<input type="checkbox"/>	Magnetite rich basalt. Reject azimuth reading. Re-test when pulling rods EOH.
200.8	-53.2	162.2	23.37	185.57	ReflexEZS	Ryan Congdon	25/06/2012	5657	<input type="checkbox"/>	Magnetite rich Basalt. Reject azimuth reading. Re-test when pulling rods EOH.

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
<b>0.00</b>	<b>4.80</b>	<b>OVB Overburden</b>									
<b>4.80</b>	<b>7.60</b>	<b>T1 Basalt</b>	<b>green</b>	<b>FG</b>							
			4.80	6.00	1.20	G276814	-0.005	-2	47	117	4
			6.00	7.60	1.60	G276815	-0.005	4	51	110	3
<b>7.60</b>	<b>16.90</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>	<b>FG</b>							
			7.60	9.60	2.00	G276816	0.007	72	52	99	2
			9.60	11.10	1.50	G276817	0.427	839	45	92	2

<<Min: 10.2 - 10.45 5% pyrite>>



# Drill Log

Project:

Cassiar

Hole Number:

TA12-05

From (m) To (m) Rocktype & Description

<<Min: 10.2 - 10.45 1% arsenopyrite>>  
 <<Min: 11.1 - 11.9 3% pyrite>>  
 <<Min: 11.1 - 11.9 1% arsenopyrite>>  
 <<Min: 11.9 - 16 0.1% pyrite>>  
 <<Min: 16 - 16.9 2% pyrite>>  
 <<Min: 16 - 16.9 0.5% arsenopyrite>>  
 <<Alt: 7.6 - 8.05 strong Iron oxide>>  
 <<Alt: 7.6 - 13.8 strong Ankerite>>  
 <<Alt: 8.05 - 15 weak Iron oxide>>  
 <<Alt: 13.8 - 15.8 moderate Ankerite>>  
 <<Alt: 15.8 - 16.9 strong Ankerite>>  
 <<Vein: 10.3 - 10.31 Quartz 70 deg. >>  
 <<Vein: 10.9 - 10.91 Quartz 50 deg. >>  
 <<Vein: 16.5 - 16.66 Quartz>>  
 <<Struc: 8.1 - 8.1 weak contact 30 deg. >> oxidised boundary  
 <<Struc: 10.65 - 10.7 Foliated 55 deg. >>

**16.90 20.75 T1 Basalt**

**green**

**FG**

16.9 - 20.75: Locally granular in texture, with moderate chlorite fractures.

<<Min: 16.9 - 23.35 0.1% pyrite>>  
 <<Alt: 16.9 - 20.75 weak Calcite>>

**20.75 21.50 T2 Basalt - Altered**

**grey**

**FG**

<<Alt: 20.75 - 21.5 strong Ankerite>>  
 <<Vein: 20.85 - 20.86 Quartz 65 deg. >>

**21.50 23.35 T1 Basalt**

**green**

**FG**

<<Alt: 21.5 - 23.35 weak Calcite>>

**23.35 25.50 T2 Basalt - Altered**

**grey**

**FG**

<<Min: 23.35 - 25.5 4% pyrite>> also coarse  
 <<Min: 23.35 - 25.5 0.5% arsenopyrite>> associated with vein contacts  
 <<Alt: 23.35 - 25.5 strong Ankerite>>  
 <<Vein: 24.05 - 24.2 Quartz 65 deg. >>

<<Vein: 24.45 - 26.65 Quartz 45 deg. >> Vein contains stringers py/as. With 10cm above upper boundary exhibiting calcite+graphite faulting and breccia. Lower boundary (2cm into wall rock) contains abundant clusters of as +py

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
11.10	12.00	0.90	G276818	1.49	3220	49	64	3
12.00	14.00	2.00	G276819	0.008	53	65	98	-2
14.00	16.00	2.00	G276821	0.006	14	58	104	-2
16.00	16.90	0.90	G276822	2.31	2140	41	55	2

16.90	18.90	2.00	G276823	-0.005	6	60	109	4
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18.90	20.75	1.85	G276824	-0.005	2	65	113	2
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20.75	21.50	0.75	G276826	0.013	25	61	97	4
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21.50	23.35	1.85	G276827	0.006	20	57	113	2
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23.35	24.20	0.85	G276828	0.983	1285	40	58	2
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24.20	25.50	1.30	G276829	6.79	10000. 1	29	42	4
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-05

From (m) To (m) Rocktype & Description

<<Struc: 24.4 - 24.45 fault breccia 45 deg. >> calcite + graphite/sulphide dust, qv also caught up

**25.50 30.55 T1 Basalt green FG**

25.5 - 30.55: Chloritic with weak breccia (original flow top breccia)

<<Min: 25.5 - 31.05 0.1% pyrite>>

**30.55 38.20 T2 Basalt - Altered grey-green FG**

<<Min: 31.05 - 31.8 3% pyrite>>

<<Min: 31.05 - 31.8 1.5% arsenopyrite>>

<<Min: 31.8 - 32.7 0.5% pyrite>>

<<Min: 32.7 - 33 2% pyrite>>

<<Min: 32.7 - 33 2% arsenopyrite>>

<<Min: 32.7 - 37.77 0.1% arsenopyrite>> finely diss in wall rock on vein contacts

<<Min: 32.7 - 38.2 0.5% pyrite>>

<<Alt: 30.55 - 38.2 weak Clay>>

<<Alt: 30.55 - 38.2 strong Ankerite>>

<<Vein: 31.35 - 31.5 Quartz>> broken vein clay altered locally, cg As in clay altered zones between quartz frags

<<Vein: 32.85 - 32.9 Quartz>>

<<Vein: 33.55 - 33.58 Quartz 62 deg. >>

<<Vein: 34.6 - 34.61 Quartz 50 deg. >>

<<Vein: 36.6 - 36.63 Quartz 54 deg. >>

<<Struc: 35.4 - 35.4 contact 32 deg. >> alt contact defined by 1mm vein

<<Struc: 37 - 37.1 fault breccia 55 deg. >> quartz/dolomite weak breccia

**38.20 39.70 T1 Basalt green FG**

**39.70 42.85 T2 Basalt - Altered grey pink FG**

39.7 - 42.85: Slight purple to pinkish tinge, erratic thin (1-5mm) QCV, and faulting. Patchy alteration associated with veining

<<Min: 39.7 - 42.85 0.5% pyrite>>

<<Alt: 39.7 - 42.85 moderate Ankerite>>

<<Vein: 42.45 - 42.55 Quartz>> irregular and disrupted

<<Struc: 40 - 40 fault 60 deg. >>

<<Struc: 41.6 - 41.6 fault 15 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
25.50	27.50	2.00	G276831	-0.005	16	63	128	-2
27.50	29.50	2.00	G276832	-0.005	-2	56	130	-2
29.50	30.55	1.05	G276833	-0.005	3	61	140	-2
30.55	31.00	0.45	G276834	0.195	161	48	94	-2
31.00	31.80	0.80	G276835	2.35	10000. 1	40	74	-2
31.80	32.60	0.80	G276836	0.055	829	78	123	-2
32.60	33.00	0.40	G276837	0.614	2410	72	104	-2
33.00	35.00	2.00	G276838	0.444	3390	54	85	-2
35.00	37.00	2.00	G276839	25.3	182	43	131	-2
37.00	38.20	1.20	G276841	0.052	60	56	96	-2
38.20	39.70	1.50	G276842	0.009	11	68	111	-2
39.70	41.60	1.90	G276843	-0.005	25	69	141	-2
41.60	42.85	1.25	G276844	-0.005	39	84	89	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-05

From (m) To (m) Rocktype & Description

**42.85 46.40 T1 Basalt green FG**

<<Alt: 42.85 - 46.4 weak Clay>>  
<<Alt: 42.85 - 46.8 weak Ankerite>>  
<<Struc: 42.85 - 53.4 weak fault>>

**46.40 46.80 FLT Fault, Fault Zone green FG**

46.4 - 46.8: T1. Rubble sub-angular pieces, moderately clay altered.

<<Alt: 46.4 - 46.8 strong Clay>>

**46.80 53.40 T2 Basalt - Altered grey FG**

46.8 - 53.4: moderately faulted thin discontinuous (1mm) with cm scale offset of erratic QCV

<<Min: 46.8 - 51.6 0.1% pyrite>>  
<<Min: 51.6 - 52.1 2% pyrite>>  
<<Min: 52.1 - 54.2 0.1% pyrite>>  
<<Alt: 46.8 - 53.4 weak Clay>>  
<<Alt: 46.8 - 53.4 strong Ankerite>>  
<<Alt: 52.9 - 53.4 weak Clay>>  
<<Vein: 47.3 - 47.31 Quartz 12 deg. >> trace As, slightly darker quartz-different stage?  
<<Vein: 49.6 - 49.63 Quartz 45 deg. >>  
<<Vein: 53.3 - 53.31 Quartz 45 deg. >> also alteration boundary

**53.40 54.20 T1 Basalt green-brown FG**

**54.20 59.35 T2 Basalt - Altered grey FG**

54.2 - 59.35: patchy alteration, multiple low angle thin (1-2mm faults)

<<Min: 54.2 - 62.95 0.5% pyrite>>  
<<Alt: 54.2 - 59.35 weak Clay>>  
<<Alt: 54.2 - 59.35 moderate Ankerite>>  
<<Vein: 54.2 - 59.35 Calcite>> multiple thin QCV  
<<Vein: 54.3 - 54.31 Calcite 60 deg. >> offset by faulting  
<<Vein: 58.4 - 58.42 Quartz>> trace As slightly increases Py in broken core zone.  
<<Struc: 54.2 - 58.05 weak fault>>  
<<Struc: 55.3 - 55.3 moderate fault 25 deg. >> chlorite coated fault planes throughout.  
<<Struc: 58.05 - 59.35 moderate fault>>

**59.35 71.65 T2 Basalt - Altered grey FG**

<<Min: 62.95 - 66.1 5% pyrite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
42.85	44.60	1.75	G276845	-0.005	31	64	91	-2
44.60	45.40	0.80	G276846	-0.005	60	77	83	-2
45.40	46.80	1.40	G276847	-0.005	71	52	91	-2
46.80	48.00	1.20	G276848	0.051	429	51	73	2
48.00	50.00	2.00	G276849	-0.005	145	68	100	-2
50.00	52.00	2.00	G276851	0.021	283	69	85	-2
52.00	53.40	1.40	G276852	-0.005	130	69	95	-2
53.40	54.20	0.80	G276853	0.005	15	56	129	-2
54.20	56.20	2.00	G276854	-0.005	31	64	146	2
56.20	58.05	1.85	G276855	-0.005	54	51	124	-2
58.05	59.35	1.30	G276856	0.12	534	44	93	-2
59.35	61.00	1.65	G276857	-0.005	5	45	119	-2
61.00	62.95	1.95	G276858	-0.005	17	56	110	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-05

From (m) To (m) Rocktype & Description

<<Min: 65.5 - 66 1% arsenopyrite>>

<<Min: 66 - 67.1 0.5% pyrite>>

<<Min: 67.1 - 68.3 3% pyrite>>

<<Min: 68.3 - 74.85 0.5% pyrite>>

<<Alt: 59.35 - 71.65 strong Ankerite>>

<<Alt: 63.6 - 66 weak Graphite>>

<<Alt: 70.3 - 71.65 weak Clay>>

<<Vein: 62.95 - 62.95 Quartz 60 deg. >>

<<Vein: 63.6 - 63.7 Quartz 60 deg. >>

<<Vein: 65.6 - 65.65 Quartz>> faulted

<<Vein: 67.4 - 67.42 Quartz 50 deg. >>

<<Vein: 67.8 - 67.82 Quartz 60 deg. >>

<<Struc: 63.6 - 66.1 moderate fault>>

<<Struc: 70.3 - 71.65 weak fault 10 deg. >> QCV

**71.65 72.85 T1**

**Basalt**

**green**

**FG**

**72.85 79.90 T2**

**Basalt - Altered**

**grey**

**FG**

72.85 - 79.9: increasing faulted nature and clay alteration down unit.

<<Min: 74.85 - 78.7 3% pyrite>>

<<Min: 78.7 - 82.7 0.1% pyrite>>

<<Alt: 72.85 - 79.9 strong Ankerite>>

<<Alt: 74.88 - 79.9 weak Graphite>>

<<Alt: 74.88 - 79.9 weak Clay>>

<<Alt: 74.88 - 79.9 weak Calcite>>

<<Vein: 74.3 - 74.36 Quartz 70 deg. >>

<<Vein: 75.6 - 75.6 Quartz 35 deg. >>

<<Vein: 76.7 - 76.73 Quartz 65 deg. >>

<<Vein: 77.05 - 77.07 Quartz 65 deg. >>

<<Struc: 74.1 - 74.1 weak fault 20 deg. >>

<<Struc: 76.3 - 76.3 moderate fault 45 deg. >>

**79.90 82.70 SHZN**

**Shear Zone**

**grey-green**

**FG**

79.9 - 82.7: Strong clay alteration, 1-10cm zones of shearing, possible contact between T1 and T2(AK). More intensely altered and deformed section of larger micro-faulted envelope.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
62.95	64.00	1.05	G276859	0.698	455	42	78	-2
64.00	65.40	1.40	G276861	2.89	3710	32	65	-2
65.40	66.10	0.70	G276862	4.15	10000. 1	51	49	2

66.10	67.10	1.00	G276863	0.058	324	59	75	-2
67.10	68.30	1.20	G276864	1.885	990	50	40	-2
68.30	70.30	2.00	G276865	0.039	76	70	77	-2
70.30	71.65	1.35	G276866	0.268	201	68	75	-2

71.65	72.85	1.20	G276867	-0.005	29	74	87	-2
72.85	74.85	2.00	G276868	0.197	456	85	113	-2

74.85	76.80	1.95	G276869	0.39	553	61	74	-2
76.80	78.80	2.00	G276871	1.055	424	65	71	-2
78.80	79.90	1.10	G276872	0.093	192	44	65	-2

79.90	81.00	1.10	G276873	0.069	174	58	86	-2
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-05

From (m) To (m) Rocktype & Description

<<Alt: 79.9 - 82.7 moderate Ankerite>>

<<Alt: 79.9 - 83.85 strong Clay>>

<<Struc: 81.1 - 81.3 strong Sheared 40 deg. >>

**82.70 83.85 T1 Basalt**

**green FG**

82.7 - 83.85: strong clay alt, however relatively un-deformed.

**83.85 86.70 T2 Basalt - Altered**

**grey FG**

83.85 - 86.7: again lower section contains late small scale faulting

<<Min: 83.85 - 84.15 2% pyrite>>

<<Min: 85.7 - 87.7 2% pyrite>>

<<Alt: 83.85 - 97.6 strong Ankerite>>

<<Vein: 84.15 - 84.16 Quartz 70 deg. >> also marks change in alt int.

**86.70 88.09 FLT Fault, Fault Zone**

**grey FG**

86.7 - 88.09: Zones of faulted and brecciated T2+QV. Sub-rounded clasts, surrounded by a matrix of clay. In parts brecciated looking nature can be attributed to relict un-altered rock surrounded by clay altered fractures.

<<Alt: 86.7 - 88.09 moderate Clay>>

**88.09 88.55 T5 Quartz Vein**

**cream**

<<Alt: 88.09 - 92.9 weak Clay>>

<<Vein: 88.09 - 88.55 Quartz 60 deg. >>

<<Struc: 88.1 - 88.12 moderate fault 30 deg. >>

**88.55 92.90 T2 Basalt - Altered**

**grey FG**

88.55 - 92.9: less clay altered unit, however lower section contains more discrete (5-15cm) breccia zones.

<<Min: 88.55 - 89.8 2% pyrite>>

<<Min: 89.8 - 90.5 0.5% pyrite>>

<<Min: 90.5 - 92.9 1% pyrite>>

<<Vein: 89.4 - 89.41 Quartz 70 deg. >>

<<Vein: 90.05 - 90.08 Quartz 65 deg. >>

<<Vein: 91.3 - 91.4 Quartz 65 deg. >>

<<Vein: 92.15 - 92.19 Quartz 60 deg. >>

<<Struc: 90.3 - 90.5 strong fault breccia 75 deg. >> calcite altered

<<Struc: 91.7 - 91.7 weak fault 60 deg. >>

**92.90 93.40 FLT Fault, Fault Zone**

**green FG**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
81.00	82.70	1.70	G276874	0.044	115	51	85	22
82.70	83.85	1.15	G276876	-0.005	71	49	49	15
83.85	84.30	0.45	G276877	1.26	10000.1	102	78	12
84.30	86.00	1.70	G276878	0.068	160	74	114	11
86.00	86.70	0.70	G276879	1.17	1240	61	68	-2
86.70	88.10	1.40	G276881	1.125	2400	40	58	3
88.10	88.55	0.45	G276882	0.137	50	10	40	-2
88.55	89.70	1.15	G276883	1.96	774	56	65	-2
89.70	91.00	1.30	G276884	0.283	272	48	1000	-2
91.00	92.90	1.90	G276885	1.815	1210	61	79	-2
92.90	93.40	0.50	G276886	0.414	217	116	95	4

# Drill Log

Project:

Cassiar

Hole Number:

TA12-05

From (m) To (m) Rocktype & Description

<<Alt: 92.9 - 93.4 strong Clay>>

<<Struc: 93 - 93.3 strong Sheared 24 deg. >>

**93.40 98.50 T2 Basalt - Altered**

**grey-green FG**

<<Min: 93.4 - 94.75 0.1% pyrite>>

<<Min: 94.75 - 95.35 4% pyrite>>

<<Min: 95.35 - 96 0.5% pyrite>>

<<Min: 96 - 96.4 5% pyrite>>

<<Min: 96.4 - 103.6 0.1% pyrite>>

<<Alt: 93.4 - 98.5 weak Clay>>

<<Alt: 94.7 - 96.4 weak Graphite>>

<<Alt: 97.6 - 98.5 moderate Ankerite>>

<<Vein: 97.5 - 97.51 Quartz 45 deg. >>

<<Struc: 94.85 - 94.86 weak fault 10 deg. >>

**98.50 103.60 T1 Basalt**

**green FG**

<<Alt: 98.5 - 103.6 weak Haematite - earthy>>

<<Alt: 99.5 - 99.6 moderate Ankerite>>

<<Struc: 100 - 100 weak fault 10 deg. >> hem. Alt. Slip plane

**103.60 108.50 T2 Basalt - Altered**

**grey-green FG**

<<Min: 103.6 - 105.35 7% pyrite>>

<<Min: 104 - 104.3 0.5% arsenopyrite>> high py zone associated with carbon crackle texture

<<Min: 105.35 - 106.6 0.5% pyrite>>

<<Min: 106.6 - 108.4 4% pyrite>> also associated with veining

<<Alt: 103.6 - 108.5 strong Ankerite>>

<<Alt: 104 - 105 weak Graphite>>

<<Vein: 105.15 - 105.18 Quartz>>

<<Vein: 107.4 - 108.3 Quartz>> faulted qtz vein running low angle TCA, 2-3cm in width, chlorite and sercite zones (1-2cm) occur on margins

<<Struc: 104.2 - 104.2 weak fault 50 deg. >>

<<Struc: 107.25 - 107.25 weak fault 70 deg. >>

<<Struc: 107.5 - 108.3 weak fault 10 deg. >>

**108.50 113.70 T1 Basalt**

**green FG**

108.5 - 113.7: weak foliation, possible mafic tuff, however there is evidence of movement along the planes (also late movement offsetting QCV)

<<Alt: 108.5 - 113.7 moderate Calcite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
93.40	94.70	1.30	G276887	0.048	52	67	90	-2
94.70	96.50	1.80	G276888	0.899	1750	47	58	-2
96.50	98.50	2.00	G276889	0.018	262	72	98	-2
98.50	100.00	1.50	G276891	-0.005	23	62	106	2
100.00	102.00	2.00	G276892	0.014	30	60	94	3
102.00	103.60	1.60	G276893	-0.005	68	76	94	2
103.60	105.35	1.75	G276894	2.93	3500	25	41	8
105.35	106.60	1.25	G276895	0.017	113	57	71	3
106.60	107.40	0.80	G276896	1.09	869	71	31	3
107.40	108.50	1.10	G276897	1.555	237	172	44	-2
108.50	110.00	1.50	G276898	-0.005	8	72	83	2
110.00	112.00	2.00	G276899	-0.005	6	69	77	3

# Drill Log

Project:

Cassiar

Hole Number:

TA12-05

From (m) To (m) Rocktype & Description

<<Struc: 110 - 113 weak Foliated 30 deg. >>

**113.70 115.80 T2 Basalt - Altered grey-brown FG**

113.7 - 115.8: Patchy alteration with moderate irregular calaite veining and fracturing

<<Alt: 113.7 - 116.5 moderate Calcite>>

<<Alt: 113.7 - 116.5 moderate Ankerite>>

<<Struc: 114.1 - 114.1 weak fault 40 deg. >>

**115.80 116.15 SHZN Shear Zone grey-green FG**

115.8 - 116.15: chloritic, moderate clay alt boudinaged QCV

<<Struc: 115.8 - 116.5 strong Sheared 30 deg. >>

**116.15 118.85 T2 Basalt - Altered grey FG**

116.15 - 118.85: Banded/bedded in places with relict jasper 'pods' Possible alt tuff? Cream irregular QV+calcite cross-cut banding.

<<Min: 116.15 - 118.85 0.1% pyrite>>

<<Alt: 116.5 - 118.85 strong Ankerite>>

<<Vein: 118.25 - 118.27 Quartz>>

<<Struc: 117.5 - 118.4 moderate Bedded 60 deg. >>

**118.85 198.10 T1F Magnetic/Jasper Pillow Basalt green FG**

118.85 - 198.1: Magnetite occurs within basalt throughout and aggregated with pods of oolitic jasper. Jasper/magnetite/pyrite/chlorite 1-10cm.Minor QCV/Sh's. Zones of possible pillow textures, highlighted by infilled intercities.Interbedded by flowunits. Chlorite content is increased at start and end of unit. At end of run at 127.71m (also end of day shift and pulling rods) there is a 40cm sandy infill from up hole contaminants.

<<Min: 118.85 - 198.1 0.1% pyrite>> associated with jasper bands

<<Min: 195.85 - 196.2 2% pyrite>>

<<Struc: 118.85 - 188.85 weak fault 10 deg. >>

<<Struc: 119.3 - 119.45 strong Sheared 60 deg. >> +QV and minor bleached alteration.

<<Struc: 119.8 - 199.82 strong Sheared 65 deg. >> +QV

<<Struc: 125.55 - 125.57 moderate fault breccia 50 deg. >> +calcite

<<Struc: 125.75 - 125.95 moderate fault gouge>>

<<Struc: 127.35 - 127.37 weak fault 10 deg. >> +Calcite

<<Struc: 195 - 198.1 moderate fault>> increased QCV Breccia and sheared texture, with associated bleached basalt.

<<Struc: 195.2 - 195.2 weak Sheared 70 deg. >>

<<Struc: 196 - 196.03 moderate fault breccia 30 deg. >>

<<Struc: 196.6 - 196.65 strong fault breccia 35 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
112.00	113.70	1.70	G276901	-0.005	9	76	84	2
113.70	115.80	2.10	G276902	-0.005	2	63	89	5

115.80	116.15	0.35	G276903	-0.005	5	68	68	9
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116.15	117.50	1.35	G276904	-0.005	7	79	109	2
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117.50	118.85	1.35	G276905	0.005	14	130	114	2
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118.85	120.00	1.15	G276906	-0.005	7	55	111	2
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120.00	122.00	2.00	G276907	-0.005	-2	58	91	3
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193.00	195.00	2.00	G276908	-0.005	2	59	96	-2
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195.00	197.00	2.00	G276909	0.013	24	55	117	3
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197.00	198.10	1.10	G276911	0.034	22	60	113	6
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-05

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
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<<Struc: 197.1 - 197.11 weak Sheared 40 deg. >>

**198.10 199.90 T8 Mafic Tuff grey-brown FCG**

198.10	199.90	1.80	G276912	0.03	12	45	95	3
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198.1 - 199.9: ?? Volcanoclastic Breccia?. Sharp upper and lower contacts (possibly faulted). Unit contains a range of breccia textures, including bands (1-4cm) of heterogenous angular-sub-rounded clasts (0.1-1cm) in parts supported in a fine (mud/ash) matrix, also zones of bleached angular-jigsaw fit breccia with chloritic infill. Locally clasts seem to be rehealed with heterogenous parts. Calcite and hematite alteration occurs patchy throughout. Possible late faulting + breccia along contact (Cut veining) and within unit.

<<Alt: 198.8 - 199.7 weak Haematite - earthy>>

<<Vein: 198.8 - 198.81 Calcite 25 deg. >>

<<Struc: 198.1 - 198.1 contact 10 deg. >>

<<Struc: 199.5 - 199.6 weak Bedded 20 deg. >>

**199.90 201.80 T2 Basalt - Altered grey FG**

199.90	201.80	1.90	G276913	0.008	11	58	85	4
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199.9 - 201.8: Bleached and altered basalt, pervasively altered trending to patchy downhole associated with fractureing and QCV

<<Alt: 199.9 - 201.8 weak Sericite-Ankerite>>

<<Struc: 199.9 - 199.9 contact 30 deg. >>

<<Struc: 201.75 - 201.8 moderate fault 20 deg. >>

**201.80 206.96 T1 Basalt green FG**

201.80	203.00	1.20	G276914	-0.005	-2	68	112	2
203.00	205.00	2.00	G276915	-0.005	-2	78	103	-2
205.00	206.96	1.96	G276916	-0.005	-2	81	88	-2

**End of Hole @ 206.96**



# Drill Log

**Project:** Cassiar **Hole Number:** TA12-06

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Jim Lehtinen
Grid:		Hole Diameter:	4 3/4	Survey By:	Jim Lehtinen	Date Started:	26/06/2012
UTM Easting:	460046.16	Core Size:	NQ	Azimuth:	180	Date Completed:	29/06/2012
UTM Northing:	6570424.61	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-60	Drill Company:	Apex
UTM Elev. (m):	1072.435	Casing Depth (m):	12.2	Length (m):	338.02	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	25/06/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	28/06/2012
Local Elev. (m):							

**Comments:**

Targeted Sable shear veins were not intersected at the projected depth. Strongly faulted PY, AS mineralized veins and vein segments were intersected from 16.2 - 26 m. The hole was extended to 338 m to test the underlying stratigraphy for veining, alteration and the possibility of a lower flat fault.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
23.2	-58.9	155.9	23.4	179.3	ReflexEZS	Jim Lehtinen	25/06/2012	5743	<input checked="" type="checkbox"/>	
72.8	-59.6	158.4	23.4	181.8	ReflexEZS	Jim Lehtinen	25/06/2012	5735	<input checked="" type="checkbox"/>	
121.6	-60	161.8	23.4	185.2	ReflexEZS	Jim Lehtinen	25/06/2012	5713	<input checked="" type="checkbox"/>	
139.9	-59.9	161.8	23.4	185.2	ReflexEZS	Jim Lehtinen	25/06/2012	5724	<input checked="" type="checkbox"/>	
185.6	-59.8	161	23.4	184.4	ReflexEZS	Jim Lehtinen	25/06/2012	5777	<input checked="" type="checkbox"/>	
222	-60.9	164.9	23.4	188.3	ReflexEZS	Jim Lehtinen	28/06/2012	5763	<input checked="" type="checkbox"/>	
237.4	-60.7	156.3	23.4	179.7	ReflexEZS	Jim Lehtinen	27/06/2012	5535	<input checked="" type="checkbox"/>	
292.3	-60.9	162.5	23.4	185.9	ReflexEZS	Jim Lehtinen	28/06/2012	5772	<input checked="" type="checkbox"/>	
338	-60.9	164.9	23.4	188.3	ReflexEZS	Jim Lehtinen	28/06/2012	5763	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME- ICP41	Zn ppm ME- ICP41	Pb ppm ME-
<b>0.00</b>	<b>12.20</b>	<b>OVB Overburden</b>									
0 - 12.2: Casing run from 0.0 -6.1, then drilled ahead to 12.2m then cased. Rubble in box is Basalt and granitic with a 1.5m interval of extremely altered/recrystallized U/M = listwanite.											
<b>12.20</b>	<b>16.20</b>	<b>OVB Overburden</b>	16.10	18.60	2.50	G276917	1.265	553	42	97	-2
12.2 - 16.2: Extremely broken with various lithologies, basalt, chert and brown clay. Likely still in overburden.											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-06

From (m) To (m) Rocktype & Description

**16.20 21.05 T2 Basalt - Altered**

16.2 - 21.05: very strongly broken core with rubbly core throughout. Quartz vein remnants and fault gouge zones. PY and AS in veining and in fractured/altered core

- <<Min: 16.4 - 17.5 5% pyrite>> Trace AS
- <<Min: 17.5 - 21.05 1% pyrite>>
- <<Alt: 16.2 - 21.05 strong Ankerite>>
- <<Struc: 16.4 - 16.5 fault gouge>>
- <<Struc: 18.9 - 19 fault gouge>> strong breccia surrounding gouge zone. Minor qz in HW
- <<Struc: 20.2 - 20.2 fault 50 deg. >> Late fault slip associated with brecciated vein and basalt
- <<Struc: 21.03 - 21.05 fault gouge 50 deg. >> grey clay gouge at top of vein

**21.05 22.00 T5 Quartz Vein**

- <<Min: 21.05 - 22 20% pyrite>> Stringer and fault controlled. Styrolitic, weak banding brecciated in part. Trace AS
- <<Vein: 21.05 - 22 Quartz>> Top contact = fault, bottom=flt & bx Trace AS
- <<Struc: 21.09 - 21.09 fault 25 deg. >> within vein
- <<Struc: 21.6 - 21.6 fault 30 deg. >> in QZ-PY vein
- <<Struc: 21.75 - 21.75 fault 40 deg. >>

**22.00 23.40 T2 Basalt - Altered**

22 - 23.4: Crackle BX and QZ vein bx frags

- <<Min: 22 - 23.4 3% pyrite>> With qz and Fracture fill
- <<Alt: 22 - 23.4 intense Ankerite>>
- <<Struc: 22 - 22 fault 30 deg. >> at bottom of brecciated vein
- <<Struc: 22.2 - 22.2 fault 30 deg. / fault 50 deg. >> sub-perpendicular faults
- <<Struc: 22.35 - 22.35 fault 35 deg. >> slicks =strike slip
- <<Struc: 22.6 - 22.6 fault 40 deg. >>
- <<Struc: 22.8 - 22.8 fault 45 deg. >>
- <<Struc: 23.3 - 23.3 fault 75 deg. >> Late fault in BX

**23.40 23.80 T5 Quartz Vein**

- <<Min: 23.4 - 23.8 7% pyrite>> Coarse fill up to 5mm
- <<Vein: 23.4 - 23.8 Quartz>> Faulted contacts. PY along bands an fractures. Tr AS. Vein TCA 50 ???
- <<Struc: 23.4 - 23.4 fault 65 deg. >> Late in BX at QV contact
- <<Struc: 23.5 - 23.5 fault 50 deg. >> Within vein
- <<Struc: 23.7 - 23.7 weak fault 50 deg. >> within QV

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
18.60	21.05	2.45	G276918	0.853	967	43	87	-2

21.05	22.00	0.95	G276919	3.05	1510	7	9	4
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22.00	23.40	1.40	G276921	0.831	544	47	236	-2
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23.40	23.80	0.40	G276922	1.815	853	4	650	-2
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-06

From (m) To (m) Rocktype & Description

**23.80 24.10 T2 Basalt - Altered**

23.8 - 24.1: Strong Crackle BX and vein bx frags

<<Min: 23.8 - 24.1 3% pyrite>>

<<Alt: 23.8 - 24.1 intense Ankerite>>

<<Struc: 23.8 - 23.8 fault 55 deg. >> footwall of vein

**24.10 25.30 T5 Quartz Vein**

<<Min: 24.1 - 25.3 10% pyrite>> numerous fractures in vein. Sooty Py as vfg masses...possibly some carbon

<<Vein: 24.1 - 25.3 Quartz>> Strongly faulted and stringere along CA. Faulted contacts. Vein 50 TCA??

<<Struc: 24.1 - 25.3 fault 5 deg. >> Sub-parallel TCA 0-15

**25.30 26.06 T2 Basalt - Altered**

25.3 - 26.06: Crackle BX, vein frags

<<Min: 25.3 - 26.06 3% pyrite>>

<<Alt: 25.3 - 26.06 intense Ankerite>>

<<Struc: 25.3 - 25.3 fault 30 deg. / fault 60 deg. >> breccia in vein at bottom contact

<<Struc: 25.8 - 25.8 fault 40 deg. >>

**26.06 26.32 T5 Quartz Vein**

<<Min: 26.06 - 26.3 5% pyrite>> Weak banding

<<Min: 26.3 - 26.9 7% pyrite>> fracture fill

<<Alt: 26.3 - 26.9 intense Ankerite>>

<<Vein: 26.06 - 26.3 Quartz>> Weak fault at base, broken top contact

<<Struc: 26.3 - 26.3 fault 35 deg. >> FW of QV

**26.32 26.90 T2 Basalt - Altered**

26.32 - 26.9: Crackle BX and minor QV's <2 cm, faulted

**26.90 27.20 T5 Quartz Vein**

<<Min: 26.9 - 27.2 3% pyrite>>

<<Min: 26.9 - 27.3 5% pyrite>> Sooty, Strong fractures

<<Vein: 26.9 - 27.2 Quartz>> strongly broken

**27.20 32.15 T2 Basalt - Altered**

27.2 - 32.15: Crackle BX, minor quartz veins < 4 cm, discontinuous/faulted

<<Min: 27.2 - 32.15 3% pyrite>> Variable from 1-5% PY

<<Alt: 27.2 - 32.15 intense Ankerite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
23.80	24.10	0.30	G276923	0.666	1010	30	63	3
24.10	25.30	1.20	G276924	2.71	1480	11	18	-2
25.30	25.95	0.65	G276926	0.461	443	55	69	2
25.95	26.30	0.35	G276927	0.493	391	6	12	-2
26.30	26.90	0.60	G276928	1.095	1125	47	64	2
26.90	27.20	0.30	G276929	0.544	463	9	18	-2
27.20	29.10	1.90	G276931	0.342	636	41	64	2
29.10	30.13	1.03	G276932	0.87	552	24	55	2
30.13	32.15	2.02	G276933	0.186	205	58	76	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-06

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Vein: 30.1 - 30.13		Quartz 55 deg. >>									
<<Struc: 27.3 - 27.3		fault 30 deg. >> In QV									
<<Struc: 27.5 - 27.5		fault gouge>>									
<<Struc: 29.6 - 29.6		fault 5 deg. >> Weak fit and BX qv									
<<Struc: 31.25 - 31.4		Veining - fracture fill 60 deg. >> 2 thin PY fracture fill									
<<Struc: 32 - 32		fault breccia 5 deg. >> contact of bx									
<<Struc: 32.1 - 32.1		fault 30 deg. >> Late, strike-slip slicks.									
<b>32.15</b>	<b>33.25</b>	<b>T5 Quartz Vein</b>	32.15	33.25	1.10	G276934	1.035	519	5	16	-2
<<Min: 32.15 - 33.25		10% pyrite>> Grey Qz, fine sooty PY + carbon?									
<<Vein: 32.15 - 33.25		Quartz>> Grey quartz with intense fracturing and brecciation and AK altered basalt. Numerous fracture orientations									
<<Struc: 32.5 - 32.5		fault 50 deg. >>									
<<Struc: 32.7 - 34.35		fault 10 deg. >> Faulting along CA. Avg =10									
<b>33.25</b>	<b>37.30</b>	<b>T2 Basalt - Altered</b>	33.25	34.50	1.25	G276935	0.78	1055	30	44	-2
33.25 - 37.3:		strong crackle BX with vein fragments through upper interval to 31.5m									
<<Min: 33.25 - 34.5		5% pyrite>> BX vein quartz frags Fracture fill PY.	34.50	35.20	0.70	G276936	0.879	333	62	74	2
<<Min: 34.5 - 37.3		1% pyrite>>	35.20	37.30	2.10	G276937	0.114	264	53	85	-2
<<Alt: 33.25 - 37.3		intense Ankerite>>									
<<Struc: 34.75 - 34.75		fault breccia 25 deg. >> Base of breccia from 32.0 - 34.75?m									
<<Struc: 35.2 - 36.9		Veining - fracture fill 10 deg. >> Sulphide and carbon vein along shallow fracture									
<b>37.30</b>	<b>38.90</b>	<b>T5 Quartz Vein</b>	37.30	38.90	1.60	G276938	-0.005	5	-1	2	-2
<<Min: 37.3 - 38.9		0.5% pyrite>>									
<<Vein: 37.3 - 38.9		Quartz>> white QZ, Py poor with faulted contacts									
<<Struc: 37.3 - 37.3		fault 35 deg. >> Top contact of vein									
<b>38.90</b>	<b>41.25</b>	<b>T2 Basalt - Altered</b>	38.90	41.25	2.35	G276939	0.106	307	58	78	-2
38.9 - 41.25:		Pale grey, moderately fractured with crackle bx CA stringers.									
<<Min: 38.9 - 41.25		1% pyrite>>									
<<Alt: 38.9 - 41.25		strong Ankerite>>									
<<Struc: 38.9 - 38.9		fault 42 deg. >> Vein lower fault contact									
<b>41.25</b>	<b>70.20</b>	<b>T1 Basalt</b>	41.25	42.37	1.12	G276941	0.008	29	64	97	-2
41.25 - 70.2:		Med. Green, calcite, chlorite and minor hematite, very minor epidote. Some minor foliated zones, commonly in finer grained intervals which may be tuff/mdst interbeds.									
<<Min: 41.25 - 42.37		0.1% pyrite>> very minor PY									

# Drill Log

Project:

Cassiar

Hole Number:

TA12-06

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Alt: 41.25 - 51.5	>>	Coincident with numerous fracture fill CA microfractures.									
<<Vein: 43.33 - 43.36	>>	Calcite 50 deg. >>									
<<Vein: 50.3 - 50.5	>>	Calcite 35 deg. >> numerous wall rock inclusions									
<<Struc: 41.25 - 41.45	>>	fault 45 deg. >> Base of vein with strong fracturing, clay alteration and CA stringers									
<<Struc: 41.25 - 46.5	>>	moderate Fractured>>									
<<Struc: 43.5 - 43.8	>>	fault gouge>>									
<<Struc: 44.9 - 44.9	>>	Bedded 35 deg. >> Possibly ash bands in volcanic sequence									
<<Struc: 49.4 - 51.2	>>	moderate fault 10 deg. >> Brecciated and CA, HE stringered fault along CA.Gouge zone near base of interval									
<<Struc: 49.4 - 54.6	>>	moderate Fractured>>									
<<Struc: 60.7 - 60.9	>>	Bedded 50 deg. >> ash tuff to mudstone?									
<<Struc: 60.9 - 65.9	>>	Foliated 40 deg. >> Foliation appears to be from fine sub-parallel stringers from 27 to 45 TCA as well as finely laminated zones possibly bedding									
<<Struc: 65.9 - 70.2	>>	Fractured>> crackle breccia. Chlorite infill									
<b>70.20</b>	<b>72.75</b>	<b>5B Chert</b>									
70.2 - 72.75: Competent core but numerous microfractures											
<<Struc: 71.1 - 71.1	>>	Bedded 60 deg. >>									
<<Struc: 71.1 - 71.45	>>	Brecciated 12 deg. >> Brecciated and calcite healed stringer 1 cm									
<b>72.75</b>	<b>73.55</b>	<b>T10 Mafic Dyke</b>									
72.75 - 73.55: Sub-volcanic dyke? AK altered											
<b>73.55</b>	<b>76.00</b>	<b>5B Chert</b>									
73.55 - 76: Moderately broken											
<b>76.00</b>	<b>85.15</b>	<b>T7 Argillaceous Chert</b>									
76 - 85.15: Carbonaceous chert unit with black argillite to graphitic bands. Numerous slicks. Strong microfracturing.											
<<Vein: 85 - 85.04	>>	Quartz 55 deg. >> Faulted contacts									
<<Struc: 78.1 - 78.3	>>	Bedded 55 deg. / fault 20 deg. >> Numerous fault slips across core at high and low angles									
<b>85.15</b>	<b>107.10</b>	<b>5B Chert</b>									
85.15 - 107.1: Variably bedded, commonly contorted bedding throughout interval. White pearly to fibrous fracture fill = tremolite (asbestiform)											
<<Min: 89.7 - 91.14	>>	0.5% pyrite>>	89.70	91.14	1.44	G276942	0.011	3	46	27	3
<<Min: 91.14 - 93.5	>>	0.5% pyrite>> Minor py as diss and on fault surfaces. White fibrous vein fill likely Tremolite (asbestiform)	91.14	93.50	2.36	G276943	0.014	2	85	39	5

# Drill Log

Project:

Cassiar

Hole Number:

TA12-06

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Struc: 85.15 - 85.15		fault 30 deg. >> Bottom of graphitic chert									
<<Struc: 86 - 93.7		strong Fractured>> Large to microfractured with weak calcite, white fibrous vein infill = asbestiform tremolite									
<<Struc: 92.6 - 92.6		fault 22 deg. >> pyritic slicks and 5mm white fibrous vein infill = tremolite?									
<<Struc: 93.9 - 93.9		Bedded 70 deg. >>									
<<Struc: 96.8 - 96.8		Bedded 40 deg. >>									
<<Struc: 99 - 99		Bedded 65 deg. >>									
<<Struc: 104 - 104		fault breccia 20 deg. >> Narrow CA healed BX									
<b>107.10</b>	<b>108.80</b>	<b>T10 Mafic Dyke</b>									
107.1 - 108.8: Strongly chloritic, sub-volcanic dyke? CA vein <2cm at top contact with fault. Bottom contact numerous slip planes. Intense patchy jasper. Minor brecciated CA veins.											
<<Alt: 107.1 - 108.8		moderate Haematite - earthy>> Jasper/ hematite increases toward bottom of unit									
<<Alt: 107.1 - 108.8		intense Chlorite >>									
<<Struc: 107.1 - 107.13		vein 70 deg. >> At fault contact with dyke									
<b>108.80</b>	<b>119.80</b>	<b>5B Chert</b>									
108.8 - 119.8: Interbeds chert and argillite/Tuff? Arbitrary basal contact picked at area of dominantly argillite											
<<Struc: 115 - 115		Bedded 75 deg. >>									
<<Struc: 116.9 - 116.9		weak fault 40 deg. >>									
<b>119.80</b>	<b>132.90</b>	<b>5DD Argillite</b>									
119.8 - 132.9: Thin to poorly bedded, or disrupted bedding. Soft,dirty green colour. Basal contact picked arbitrarily with increased chert content.											
<<Struc: 122 - 122		Bedded 70 deg. >>									
<<Struc: 128 - 128		Bedded 55 deg. >> Mudstone/sltst Some soft sed deformation.									
<b>132.90</b>	<b>144.10</b>	<b>5B Chert</b>									
132.9 - 144.1: Med grey with white CA stgrs. Strongly fractured and micro stringered with calcite throughout.											
<<Vein: 133.6 - 144.1		Quartz 30 deg. >> numerous sub-parallel veins, commonly faulted and varying in composition of QZ & CA									
<<Struc: 138.6 - 144.1		Veining - fracture fill>>									
<<Struc: 141.8 - 141.8		Bedded 65 deg. >>									
<b>144.10</b>	<b>152.00</b>	<b>FLT Fault, Fault Zone</b>									
144.1 - 152: Extremely broken and brecciated with numerous gouge zones in poor core recovery zone.											
<<Struc: 144.2 - 144.3		fault 20 deg. >> Breccia and fault plane in flt zone									

# Drill Log

Project:

Cassiar

Hole Number:

TA12-06

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Struc: 144.5 - 146		strong fault breccia 15 deg. >> Breccia and plane within fault zone									
<<Struc: 149.2 - 149.3		breccia 30 deg. >> Fault Bx and plane within fault zone									
<<Struc: 149.4 - 149.6		fault gouge>>									
<b>152.00</b>	<b>154.10</b>	<b>T1 Basalt</b>									
152 - 154.1: CA altered, non magnetic											
<b>154.10</b>	<b>167.55</b>	<b>T1F Magnetic/Jasper Pillow Basalt</b>									
154.1 - 167.55: Dark, strongly magnetic ,minor CA stringers. Oolitic, jasper aggregates = interpillow feature. Minor light green CA altered basalt, commonly parallel to fractures, non magnetic. Trace CP in volcanics.											
<<Struc: 156.6 - 157.3		fault 35 deg. >> Strongly broken with numerous fault slips									
<b>167.55</b>	<b>168.60</b>	<b>CV Carbonate Vein</b>	167.55	168.60	1.05	G276944	0.017	4	163	60	-2
167.55 - 168.6: Quartz Carbonate Vein											
<<Vein: 167.55 - 168.6		Calcite>> appears at low angle TCA									
<<Struc: 167.55 - 167.55		fault 25 deg. >> top contact of vein.									
<b>168.60</b>	<b>195.80</b>	<b>T1F Magnetic/Jasper Pillow Basalt</b>									
168.6 - 195.8: Weak alteration with pale green epidote paralleling fractures and Hematite zones. Oolitic jasper infill in interpillow voids Magnetite rich in darker, less altered zones. Texturally pillowed and bX =interpillow and flow bx features.											
<<Alt: 179.1 - 180.35		moderate Ankerite>> Alt'n focussed around faulting and weak stringering, possibly minor fault									
<<Struc: 171.8 - 172		weak fault>> weak fracturing and BX - late									
<<Struc: 175.1 - 175.5		weak fault 35 deg. >> Weak fault BX and CA stringer zone									
<<Struc: 179.8 - 179.8		fault 35 deg. >> Weak slip									
<<Struc: 179.9 - 195.3		Veining - fracture fill 30 deg. >> Vein zone numerous CA veins 25-35 TCA									
<b>195.80</b>	<b>210.50</b>	<b>T1 Basalt</b>									
195.8 - 210.5: Magnetic mod strong CA,QZ stringers, some EP alt'n parallel to stringers. Broken core intervals common = flt, BX											
<<Struc: 197.9 - 198		Veining - fracture fill 35 deg. >> CA vein and Wallrock BX									
<<Struc: 198 - 199.6		Fractured>> Strongly fractured with calcite stringers 35 TCA Rubbly core									
<<Struc: 201 - 201		Veining - fracture fill 35 deg. >> BX at footwall									
<b>210.50</b>	<b>213.20</b>	<b>T2 Basalt - Altered</b>									
210.5 - 213.2: clay alt'd											
<<Alt: 210.5 - 213.2		moderate Clay>> Dirty grey-olive green clay altered with unaltered oolitic jasper patches									

# Drill Log

Project:

Cassiar

Hole Number:

TA12-06

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>213.20</b>	<b>214.80</b>	<b>T2 Basalt - Altered</b>									
213.2 - 214.8: CY alt'd, minor jasper remnants											
<<Struc: 214 - 214.4 Veining - fracture fill 35 deg. >> Zone with <2 cm CA stringers in strongly fractured core											
<b>214.80</b>	<b>216.00</b>	<b>T2 Basalt - Altered</b>									
214.8 - 216: Light grey-green. Remnant quartz-jasper patches											
<<Alt: 214.8 - 216 moderate Clay>> pale grey-green with minor jasper/quartz remnants											
<<Struc: 214.9 - 214.9 Veining - fracture fill 35 deg. >> Flt/Stringer/alt contact											
<b>216.00</b>	<b>218.25</b>	<b>T2 Basalt - Altered</b>									
216 - 218.25: Pale green, stringered with chlorite and calcite. Fractured and healed											
<<Alt: 216 - 218.25 weak Clay>> Light green with CA and CH as fracture fill											
<<Struc: 216 - 216 weak fault 30 deg. >> Minor flt slips											
<<Struc: 216 - 218.25 weak Fractured>> Fractured with weak foliation											
<b>218.25</b>	<b>221.50</b>	<b>5DD Argillite</b>									
218.25 - 221.5: M-ST foliated mdst? Or tuff? Numerous slip planes generally sub-parallel to foliation/bedding?											
<<Struc: 221.1 - 221.1 fault 8 deg. >>											
<<Struc: 221.2 - 221.2 Bedded 35 deg. >>											
<b>221.50</b>	<b>221.90</b>	<b>FLT Fault, Fault Zone</b>									
221.5 - 221.9: Dominantly chert fragments weakly healed											
<b>221.90</b>	<b>228.10</b>	<b>5B Chert</b>									
221.9 - 228.1: Thinly bedded to laminated argillite, carbonaceous interbeds, bedding variable, but commonly 35 TCA. Numerous slip surfaces bedding parallel. Bedding plane slips throughout.											
<<Struc: 224.9 - 225.3 fault 7 deg. >> Intense fault plane polishing											
<<Struc: 226.9 - 227 Bedded 35 deg. >> Fault slip on bedding planes											
<b>228.10</b>	<b>235.90</b>	<b>5B Chert</b>									
228.1 - 235.9: Tuffaceous/argillaceous phyllitic interbeds. Strongly fractured with numerous slip surfaces along bed planes Strong strike slip surfaces in phyllite intervals.											
<<Vein: 234.7 - 234.8 Quartz 65 deg. >> Barren											
<<Struc: 232.5 - 232.5 Bedded 25 deg. >>											
<<Struc: 235.5 - 235.8 weak fault 15 deg. >>											



# Drill Log

Project:

Cassiar

Hole Number:

TA12-06

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
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**235.90 239.50 T2 Basalt - Altered**

235.9 - 239.5: Variably altered and strongly fractured with numerous slick planes. Faulting sub-parallel and at 30 TCA. Arbitrary pick into faulted unit below

<<Alt: 235.9 - 239.5 weak Clay>> Weak to moderate CY,

**239.50 245.50 5DD Argillite grey-green**

239.5 - 245.5: Fault and stringering along Core axis. CY alteration, minor stringers of QZ,CA arg? = faint bedding, cy

<<Alt: 239.5 - 245.5 moderate Clay>>

**245.50 248.50 FLT Fault, Fault Zone medium grey**

245.5 - 248.5: rubble and faulting along Core axis. Rubble zones. Continuation of fractured interval above.

**248.50 268.20 T1F Magnetic/Jasper Pillow Basalt black**

248.5 - 268.2: Black, magnetic, patchy jasper with/without oolites. Minor EP alteration as patches and surrounding stringers. Late QZ-DO and CA veins

<<Vein: 256.3 - 257.2 3% Calcite>>

<<Vein: 258.5 - 258.5 Calcite 40 deg. >>

<<Vein: 264.3 - 264.45 Quartz 60 deg. >> Multi event QZ and DO vein with numerous wall rock inclusions

<<Vein: 264.85 - 264.85 Quartz 10 deg. >> Largest vein in weak stringer zone stringer zone.

**268.20 270.40 T2 Basalt - Altered grey-brown**

268.2 - 270.4: Lt grey-brown AK altered surrounding stringer zone. Grading out to weak alt'n

<<Alt: 268.2 - 270.4 strong Ankerite>> Alt'n paralleling weak, faulted, QZ-DO veining

<<Vein: 269.2 - 269.35 Quartz>> Faulted vein segment

**270.40 281.30 T1 Basalt dark grey**

270.4 - 281.3: Similar to basalt section above alteration. Common CA veining at 12 to 35 TCA, < 3mm.

<<Vein: 272.1 - 272.5 Calcite 3 deg. / Calcite 30 deg. >>

<<Vein: 273 - 273 Calcite 18 deg. >>

<<Vein: 277.05 - 277.05 Calcite 40 deg. >>

**281.30 283.80 T8 Mafic Tuff green**

281.3 - 283.8: Vfg at top of interval and fine ash tuff at bottom of interval

<<Struc: 282.2 - 282.2 Foliated 45 deg. >> Tuff, reflecting primary bedding?

<<Struc: 282.9 - 282.9 weak Foliated 60 deg. >> Primary or weak fracture foliation?

263.50	264.30	0.80	G276945	0.025	44	75	96	-2
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264.30	264.90	0.60	G276946	0.308	469	29	76	5
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264.90	265.60	0.70	G276947	0.012	5	81	141	3
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-06

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>283.80</b>	<b>296.00</b>	<b>5B Chert</b>									
283.8 - 296: With thin interbeds of fine tuff to mudstone. Tuff/mdst pale yellow-grey											
<<Vein: 295.3 - 296.5 Quartz>> Stockwork QZ 20-40 TCA and irregular orientation.											
<<Struc: 288.3 - 288.4 Bedded 40 deg. >>											
<b>296.00</b>	<b>307.90</b>	<b>5B Chert</b>									
296 - 307.9: Dark banded carbonaceous beds interbedded with chert. Beds to 15cm of black arg/phyllite. Bedding contorted/faulted and crackle brecciated. Numerous minor slip faults. Minor cubic pyrite = diagenetic?											
<b>307.90</b>	<b>309.90</b>	<b>5B Chert</b>									
307.9 - 309.9: Light grey with tuff? Interbeds											
<<Vein: 309.5 - 322.1 Dolomite>> Erratic stockwork in alteration zone within early intrusive and tuffs.											
<b>309.90</b>	<b>316.40</b>	<b>T10 Mafic Dyke</b>									
309.9 - 316.4: Complete zone is mottled in colour from med green to weak puple-buff, grey and cream. It appears to resemble a pepperite with intrusion of HB lath intrusion into (unconsolidated) seds/tuff. The whole zone has inclusions of chert and other seds/tuff?. Intrusion has CH altered HB phenos up to 2mm											
<<Min: 316.2 - 316.25 pyrite>> Patchy PY with DO stringers											
<<Alt: 309.9 - 316.6 strong Ankerite>>											
<<Struc: 315.9 - 315.93 fault 33 deg. >>											
<b>316.40</b>	<b>323.80</b>	<b>T8 Mafic Tuff</b>									
316.4 - 323.8: Protolith = tuff? Strong alteration and lack of textures =?											
<<Min: 316.85 - 316.88 5% pyrite>>											
<<Min: 318 - 318.04 10% pyrite>> Faulted DO vein with PY											
<<Alt: 316.6 - 323.8 strong Ankerite>>											
<<Struc: 316.65 - 316.67 Veining - fracture fill 40 deg. >> PY											
<<Struc: 318 - 318 fault 40 deg. >> Fault with PY											
<<Struc: 318.4 - 318.4 fault 50 deg. >> Late slip											
<b>323.80</b>	<b>325.30</b>	<b>T8 Mafic Tuff</b>									
323.8 - 325.3: Crackle breccia with strong carbon stringers											
<<Alt: 323.8 - 325.3 moderate Ankerite>> Moderate crackle BX											
<<Vein: 323.8 - 323.83 Calcite 55 deg. >> Carbon CA vein at top of Crackle breccia zone.											
<<Struc: 323.8 - 323.83 Veining - fracture fill 55 deg. >> Carbon-qz											
<<Struc: 323.8 - 325.3 moderate breccia>> Crackle breccia											
			308.80	309.90	1.10	G276948	0.016	22	57	62	-2
			309.90	312.00	2.10	G276949	-0.005	15	83	119	-2
			312.00	314.00	2.00	G277028	0.053	14	89	138	-2
			314.00	316.40	2.40	G277029	0.131	34	45	148	-2
			316.40	318.20	1.80	G277031	0.043	85	57	136	-2
			318.20	320.00	1.80	G277032	0.005	64	142	144	-2
			320.00	322.10	2.10	G277033	0.009	55	52	116	-2
			322.10	323.90	1.80	G277034	0.014	29	53	96	-2
			323.90	325.30	1.40	G277035	0.005	35	70	73	-2

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-06**

From (m)    To (m)                      Rocktype & Description

**325.30   338.00   T8                      Mafic Tuff                      cream**

325.3 - 338: Tuff or epiclastic? Texture varies with grain size. Commonly fine grained, but grading to coarse grained with < 20cm interval of lapilli sized frags.

<<Struc: 326 - 326    fault 20 deg. >>

<<Struc: 326.5 - 327.6    weak fault 3 deg. >>    CA, CH fault slip

**End of Hole @ 338.02**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
325.30	326.50	1.20	G277036	-0.005	4	70	79	-2

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-07

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Jim Lehtinen
Grid:		Hole Diameter:	4 3/4	Survey By:	Jim Lehtinen	Date Started:	30/06/2012
UTM Easting:	460046.16	Core Size:	NQ	Azimuth:	180	Date Completed:	30/06/2012
UTM Northing:	6570424.61	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1072.435	Casing Depth (m):		Length (m):	91.14	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title:		Drill Started:	28/06/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	29/06/2012
Local Elev. (m):							

**Comments:**

1) Follow -up hole to intersect veining and alteration intersected in TA12-06. 2) Attempt to intersect alteration and mineralization below holes COR03-11, TA09-14 and 95-43.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
27.1	-45.2	159.1	24.5	183.6	ReflexEZS	Jim Lehtinen	28/06/2012	5747	<input checked="" type="checkbox"/>	
78.9	-45.7	160	24.5	184.5	ReflexEZS	Jim Lehtinen	29/06/2012	5729	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
<b>0.00</b>	<b>15.77</b>	<b>OVB Overburden</b>									
<<Struc: 15.7 - 24.7 intense Fractured>> Variable angles TCA Dominantly rubbly core											
<b>15.77</b>	<b>24.38</b>	<b>T2 Basalt - Altered</b>	15.77	18.00	2.23	G277037	1.56	1150	37	73	5
15.77 - 24.38: Extremely broken and faulted rubble. Entire interval consists of AK altered basalt with broken vein quartz. AK alteration with PY and AS dominantly in basalt. PY =pyritohedrons											
<<Min: 18 - 24.8 7% pyrite>> Diss. And fracture fill											
<<Min: 18 - 24.8 0.01% arsenopyrite>> Trace AS, trace CP											
<<Alt: 16.01 - 27 intense Ankerite>> Intense alteration with strong PY											
<<Vein: 18 - 18.13 Quartz>> Trace PY along fracture fill. Rubbly vein QZ											
<<Vein: 21.4 - 21.72 Quartz>> Vein QZ rubble. Weak PY, AS in QZ											
<<Vein: 22.12 - 22.73 Quartz>> QZ vein rubble at top with some veining sub-parallel TCA near base of interval. Brecciated basal contact. PY tr CP											
<<Vein: 24.08 - 24.38 Quartz 50 deg. >> competent blocks with fracture banding at 50											
<<Struc: 21.72 - 21.74 strong fault breccia 30 deg. >> In rubbly core											
<<Struc: 22 - 22.35 vein 10 deg. / fault 25 deg. >> wall rock =contact?											
<<Struc: 22.73 - 22.75 fault breccia 90 deg. >> At base of vein.											
			18.00	20.04	2.04	G277038	0.759	2550	40	73	4
			20.04	22.00	1.96	G277039	1.87	2270	36	67	3
			22.00	24.00	2.00	G277041	0.966	1650	25	34	3
			24.00	24.80	0.80	G277042	0.614	1520	25	48	3

# Drill Log

Project:

Cassiar

Hole Number:

TA12-07

From (m) To (m) Rocktype & Description

<<Struc: 23.2 - 23.22 vein 80 deg. >> Brecciated vein contact

<<Struc: 24.15 - 24.15 Veining - fracture fill 50 deg. >> Banding in vein

**24.38 31.90 T2 Basalt - Altered**

24.38 - 31.9: 1 vein in strong AK altered basalt. Weak stringers of QZ, DO, minor less AK alteration, weak CA alt'n

<<Min: 26.1 - 26.8 0.1% arsenopyrite>> Dominantly in vein wallrock

<<Min: 26.1 - 27 7% pyrite>>

<<Alt: 27 - 31.9 strong Ankerite>>

<<Vein: 24.64 - 24.65 Quartz 80 deg. >> Faulted top contact Basal cont. at 80TCA. Coarse PY, tr AS in wallrock

<<Vein: 26.32 - 26.57 Quartz 50 deg. >> PY, AS, faulted basal contact

<<Struc: 26.57 - 26.57 fault 25 deg. >> Bottom of quartz vein

<<Struc: 26.57 - 26.87 breccia 55 deg. >> Breccia in wall rock below vein

<<Struc: 31.3 - 31.3 Veining - fracture fill 35 deg. >> CA infill

**31.90 35.27 T1 Basalt**

31.9 - 35.27: green Ca altered

<<Alt: 31.9 - 33.6 weak Calcite>>

<<Alt: 33.6 - 40.2 moderate Ankerite>>

<<Struc: 34 - 34 fault 20 deg. >> Fault slip

**35.27 36.20 FLT Fault, Fault Zone**

35.27 - 36.2: Gouge and BX zone, pyritic, QZ breccia fragments. Late weak fault structure along C.A.

<<Min: 35.27 - 36.5 5% pyrite>> In flt gouge and fracture fill wall rock

<<Struc: 35.27 - 36.2 fault 15 deg. >> Gouge and BX. Angle at top contact = ??

**36.20 40.20 T2 Basalt - Altered buff**

36.2 - 40.2: Dirty buff-grey, weak stringering

**40.20 41.30 FLT Fault, Fault Zone dark grey**

40.2 - 41.3: Banded to brecciated fault with carbon and FG PY Minor vein QZ with PY

<<Min: 40.2 - 41.3 5% pyrite>> in fault gouge and wallrock fragments

<<Struc: 40.25 - 40.25 fault 55 deg. >>

**41.30 46.60 T2 Basalt - Altered**

41.3 - 46.6: Strong AK alt'n with minor QZ vein, weak DO, QZ stringers

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
24.80	26.10	1.30	G277043	0.051	86	44	105	4
26.10	27.00	0.90	G277044	2.27	7130	28	34	4
27.00	27.13	0.13	G277045	-0.005	27	58	121	4
29.00	30.18	1.18	G277046	-0.005	7	61	130	4
30.18	31.90	1.72	G277047	-0.005	4	57	134	4
31.90	33.60	1.70	G277048	-0.005	5	64	142	6
33.60	35.27	1.67	G277049	0.018	20	48	139	3
35.27	36.50	1.23	G277051	0.652	1920	35	90	4
36.50	38.00	1.50	G277052	0.252	69	52	134	4
38.00	40.20	2.20	G277053	0.088	194	45	121	5
40.20	41.30	1.10	G277054	1.26	1260	52	63	4
41.30	43.20	1.90	G277055	0.206	232	56	99	4

# Drill Log

Project:

Cassiar

Hole Number:

TA12-07

From (m) To (m) Rocktype & Description

<<Min: 41.3 - 46.6 2% pyrite>> Fractures commonly QZ +/- DO Minor diss. PY BX at top of interval, crackle bx throughout

<<Alt: 41.3 - 46.6 strong Ankerite>> Numerous QZ-DO stringers

<<Vein: 42 - 42.37 Quartz 55 deg. >> Vein fragments over interval. Interval 50% QZ. PY in wallrock

<<Struc: 41.45 - 41.45 fault 50 deg. >>

**46.60 52.50 T1 Basalt**

46.6 - 52.5: Weak CH-CA alteration. Weak gradational contact into AK alt'n. Crackle Bx texture

<<Alt: 46.6 - 52.5 weak Calcite>>

<<Struc: 46.6 - 46.6 fault 30 deg. >> Strong foliation in altered rock, weak fault and boundary of alteration. Minor step faults.

<<Struc: 46.6 - 50.3 breccia>> Crackle bx

**52.50 53.03 T2 Basalt - Altered**

<<Min: 52.5 - 53.03 2% pyrite>>

<<Alt: 52.5 - 53 intense Ankerite>>

**53.03 53.60 T5 Quartz Vein**

53.03 - 53.6: Barren quartz

<<Vein: 53.03 - 53.6 Quartz 50 deg. >> Barren QV, PY in wallrock

**53.60 54.40 T2 Basalt - Altered**

<<Min: 53.6 - 54.4 2% pyrite>>

<<Alt: 53.6 - 54.4 strong Ankerite>>

**54.40 59.50 T1 Basalt**

54.4 - 59.5: Weak CA stringers

**59.50 60.15 T2 Basalt - Altered**

<<Alt: 59.5 - 60.15 strong Ankerite>>

**60.15 61.40 T1 Basalt**

60.15 - 61.4: weak CA stringers

<<Struc: 61.3 - 61.6 fault 30 deg. >> Weak fault/stringers

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
43.20	45.00	1.80	G277056	0.042	116	79	99	3
45.00	46.60	1.60	G277057	0.024	35	57	92	4
46.60	52.00	5.40	G277058	-0.005	3	66	92	4
52.00	53.03	1.03	G277059	0.155	345	56	107	2
53.03	53.60	0.57	G277061	0.333	2530	32	40	2
53.60	54.56	0.96	G277062	-0.005	152	48	102	2
54.56	56.50	1.94	G277063	-0.005	32	73	100	4
56.50	58.00	1.50	G277064	-0.005	15	85	91	3
58.00	59.40	1.40	G277065	-0.005	13	65	95	5
59.40	61.40	2.00	G277066	0.011	30	60	97	4

# Drill Log

Project:

Cassiar

Hole Number:

TA12-07

From (m) To (m) Rocktype & Description

**61.40 63.10 T2 Basalt - Altered**

61.4 - 63.1: Strong alteration surrounding fracture- stringer zone

<<Min: 61.4 - 62.5 5% pyrite>> Strongly stringered (QZ,CA,DO) and altered

<<Alt: 61.4 - 62.5 intense Ankerite>>

<<Alt: 62.5 - 63.1 weak Ankerite>>

<<Struc: 62.5 - 62.5 fault 25 deg. >> Bottom of intense alteration = Fault and stringer

**63.10 80.15 T1 Basalt grey-green**

**80.15 83.40 T2 Basalt - Altered beige**

80.15 - 83.4: Very sharp alteration contacts. Very uniform alteration reflecting uniform grain size, homogeneity of cg flow?

<<Alt: 80.15 - 83.4 strong Ankerite>>

**83.40 86.70 T1 Basalt grey-green**

<<Struc: 83.4 - 83.4 contact 15 deg. >> Very sharp alteration contact

**86.70 91.14 5B Chert**

<<Struc: 88.75 - 88.75 Bedded 50 deg. >> Bedding commonly irregular to faulted, numerous fractures.

**End of Hole @ 91.14**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
61.40	62.50	1.10	G277067	1.465	602	26	46	3
62.50	63.70	1.20	G277068	0.023	51	67	109	2

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-08

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Jim Lehtinen
Grid:		Hole Diameter:	4 3/4	Survey By:	Jim Lehtinen	Date Started:	01/07/2012
UTM Easting:	460044.9	Core Size:	NQ	Azimuth:	180	Date Completed:	01/07/2012
UTM Northing:	6570448.43	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-50	Drill Company:	Apex
UTM Elev. (m):	1070.276	Casing Depth (m):		Length (m):	24.08	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title:		Drill Started:	29/06/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	30/06/2012
Local Elev. (m):							

**Comments:**

Attempt to drill beneath TA12-06,07 to intersect veining in upper 30m. Hole lost due to poor ground conditions.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-45	180	24.5	204.5	Brunton	Jim Lehtinen			<input checked="" type="checkbox"/>	Hole abandoned in overburden so no downhole survey data.

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>0.00</b>	<b>24.08</b>	<b>OVB Overburden</b>									
0 - 24.08: Core is comprised of boulders from till and caved material from attempt to set casing. Boulders are primarily volcanic flow, tuffs and cherty tuffs. No sampling completed.											
<b>End of Hole @ 24.08</b>											



# Drill Log

**Project:** Cassiar **Hole Number:** TA12-09

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ryan Congdon
Grid:		Hole Diameter:	4 3/4	Survey By:	Ron Voordouw	Date Started:	01/07/2012
UTM Easting:	459705.06	Core Size:	NQ	Azimuth:	180	Date Completed:	04/07/2012
UTM Northing:	6570387.28	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-50	Drill Company:	Apex
UTM Elev. (m):	1117.202	Casing Depth (m):		Length (m):	231.34	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	30/06/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	02/07/2012
Local Elev. (m):							

**Comments:**

Proposed hole TRS-B. Designed test down dip high grade mineralisation encountered in 07TC-04 and gain vein orientation and continuity information. Large interval of altered basalt for upper 170m (minor T1). Zones of significant mineralisation were encountered in the T2 units, including VG located at 75.95m in extensional Qtz vein. EOH in Basalt.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
8.8	-49.8	155.6	23.37	178.97	ReflexEZS	Ryan Congdon	30/06/2012	5898	<input checked="" type="checkbox"/>	
57.6	-52.3	157.5	23.37	180.87	ReflexEZS	Ryan Congdon	01/07/2012	5935	<input checked="" type="checkbox"/>	
106.4	-52.5	157.9	23.37	181.27	ReflexEZS	Ryan Congdon	01/07/2012	5743	<input checked="" type="checkbox"/>	
152	-53.2	157.5	23.37	180.87	ReflexEZS	Ryan Congdon	01/07/2012	5664	<input checked="" type="checkbox"/>	slightly lower mag field?
200.9	-54.3	160.9	23.37	184.27	ReflexEZS	Ryan Congdon	01/07/2012	5656	<input checked="" type="checkbox"/>	
225.2	-54.4	160.3	23.37	183.67	ReflexEZS	Ryan Congdon	02/07/2012	5696	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-			
<b>0.00</b>	<b>4.10</b>	<b>OVB Overburden</b>												
<b>4.10</b>	<b>5.90</b>	<b>T2 Basalt - Altered</b>	<b>grey-brown</b>	<b>grey-brown</b>	<b>FG</b>	4.10	5.90	1.80	G277069	1.29	6170	43	56	-2
4.1 - 5.9: oxidised zone, decreasing in intensity downhole.														
<<Min: 4.1 - 5.9 5% pyrite>>														
<<Min: 4.1 - 5.9 1% arsenopyrite>>														
<<Alt: 4.1 - 5.9 strong Iron oxide>>														
<<Alt: 4.1 - 5.9 strong Ankerite>>														
<<Vein: 4.7 - 4.71 Quartz 45 deg. >>														
<b>5.90</b>	<b>7.50</b>	<b>T1 Basalt</b>	<b>green</b>	<b>FG</b>		5.90	7.50	1.60	G277071	0.006	8	59	123	15
5.9 - 7.5: chloritic with weak clay alt														

# Drill Log

Project:

Cassiar

Hole Number:

TA12-09

From (m)	To (m)	Rocktype & Description			From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Min: 5.9 - 11.2 0.1% pyrite>> <<Alt: 5.9 - 11.5 weak Iron oxide>> <<Struc: 5.9 - 5.9 strong contact 45 deg. >> alteration boundary					7.50	7.90	0.40	G277072	0.019	19	229	143	3
<b>7.50</b>	<b>7.90</b>	<b>FLT Fault, Fault Zone</b>	<b>green</b>	<b>FG</b>									
7.5 - 7.9: broken/clay (1-2cm pieces) chloritic T1 exhibiting slip planes													
<<Alt: 7.5 - 7.9 strong Clay>>					7.90	9.00	1.10	G277073	-0.005	4	70	128	9
<b>7.90</b>	<b>10.15</b>	<b>T1 Basalt</b>	<b>green</b>	<b>FG</b>									
7.9 - 10.15: granular texture (1mm) possible alteration or change in mafic unit. Gradational lower alteration contact.													
<<Alt: 8.4 - 10.15 weak Ankerite>>					9.00	10.15	1.15	G277074	-0.005	-2	42	121	2
<b>10.15</b>	<b>13.40</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>	<b>FG</b>	10.15	11.20	1.05	G277076	0.321	199	47	88	6
					11.20	12.90	1.70	G277077	3.35	10000. 1	42	61	2
<<Min: 11.2 - 12 5% pyrite>>													
<<Min: 11.2 - 12 1% arsenopyrite>>													
<<Min: 12 - 12.3 0.5% pyrite>>													
<<Min: 12.3 - 16.4 6% pyrite>>													
<<Min: 12.3 - 16.4 0.5% arsenopyrite>> PATCHY in wall rocks and associated with vein margins													
<<Alt: 10.15 - 16.5 strong Ankerite>>													
<<Vein: 10.85 - 10.86 Quartz 50 deg. >>													
<<Vein: 11.4 - 11.45 Quartz 15 deg. >>													
<<Vein: 11.6 - 11.61 Quartz 50 deg. >>													
<<Vein: 13.3 - 13.35 Quartz 45 deg. >>													
<b>13.40</b>	<b>14.30</b>	<b>T5 Quartz Vein</b>	<b>white</b>		13.40	14.30	0.90	G277079	10	8960	23	18	4
13.4 - 14.3: Minor T2 zone 13.7-13.8m. Veins show similar orientation, exhibit some extensional fabric however also have undulating margins and locally faulted. Strong clusters/bands of pyrite within vein and on margins.													
<<Vein: 13.5 - 13.7 Quartz 25 deg. >>													
<<Vein: 13.8 - 14.3 Quartz>> Py clusters and bands 1-2cm													
<<Struc: 13.9 - 13.9 moderate Veining - fracture fill 30 deg. >> py bands													
<b>14.30</b>	<b>21.90</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>	<b>FG</b>	14.30	16.30	2.00	G277081	4.91	10000. 1	46	52	2
14.3 - 21.9: increased qtz-calcite veining and BX towards bottom of unit.													
<<Min: 16.4 - 21.9 0.1% pyrite>>					16.30	18.00	1.70	G277082	0.086	120	71	127	-2
<<Alt: 16.5 - 21.9 moderate Ankerite>> weakening downhole					18.00	20.00	2.00	G277083	0.024	91	54	113	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-09

From (m) To (m) Rocktype & Description

<<Alt: 17.5 - 21.9 weak Calcite>>  
 <<Alt: 21.7 - 23.4 moderate Clay>>  
 <<Vein: 15 - 15.03 Quartz 60 deg. >>  
 <<Vein: 20.1 - 20.12 Quartz 25 deg. >>  
 <<Struc: 19.2 - 19.3 moderate Bedded 30 deg. >> siliceous zone, greenish  
 <<Struc: 19.9 - 20 strong Brecciated 50 deg. >> calcite

**21.90 22.35 T11 Lamprophyre green-brown FG**

21.9 - 22.35: chloritic and moderately clay altered, sharp upper and lower contacts with chil margins. Abundant fg biotite.(mafic dyke)

**22.35 26.55 T1 Basalt green FG**

22.35 - 26.55: Upper 30cm banded and faulted, possible mafic tuff or top of flow

<<Alt: 23.35 - 26.55 moderate Calcite>>  
 <<Struc: 22.35 - 22.35 moderate contact 50 deg. >> dyke

**26.55 51.80 T2 Basalt - Altered grey FG**

26.55 - 51.8: Locally broken angular core (10cm-1m) with weak clay fracture alt. Mismatch on 36.3-39.3m Run low recovery and spun core.

<<Min: 26.55 - 27.2 0.5% pyrite>> often propagates from frac. Which form sub-para to ext veins  
 <<Min: 27.2 - 28 3% pyrite>> also fine grained diss  
 <<Min: 27.6 - 28 1% arsenopyrite>> associated with QV breccia  
 <<Min: 30.2 - 30.9 5% pyrite>> associated with ext qtz vn  
 <<Min: 42.3 - 44.65 6% pyrite>>  
 <<Min: 43.7 - 44.3 1% arsenopyrite>> and vein margins with py  
 <<Min: 47.2 - 48.85 7% pyrite>>  
 <<Min: 48.4 - 48.9 2% arsenopyrite>>  
 <<Alt: 26.55 - 28.5 strong Ankerite>>  
 <<Alt: 28.5 - 30.2 moderate Ankerite>>

<<Alt: 30.2 - 32 strong Ankerite>>  
 <<Alt: 32 - 36 moderate Ankerite>>  
 <<Alt: 36 - 39.2 strong Ankerite>>  
 <<Alt: 39.2 - 42 weak Ankerite>>  
 <<Alt: 39.3 - 41.5 weak Chlorite >>  
 <<Alt: 42 - 50 strong Ankerite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
20.00	21.90	1.90	G277084	0.029	55	64	95	5
21.90	22.35	0.45	G277085	-0.005	24	192	72	12
22.35	25.00	2.65	G277086	-0.005	3	71	111	-2
25.00	26.55	1.55	G277087	-0.005	7	48	113	-2
26.55	27.20	0.65	G277088	0.334	612	49	69	-2
27.20	28.00	0.80	G277089	2.19	5340	41	52	2
28.00	30.00	2.00	G277091	0.026	53	87	112	2
30.00	31.00	1.00	G277092	2.17	1300	39	64	-2
31.00	33.00	2.00	G277093	0.021	25	58	108	-2
33.00	35.00	2.00	G277094	0.005	2	53	109	-2
35.00	37.00	2.00	G277095	0.219	358	53	93	-2
37.00	39.00	2.00	G277096	0.014	50	47	90	2
39.00	41.00	2.00	G277097	0.006	-2	59	108	-2
41.00	42.00	1.00	G277098	0.007	50	62	103	2
42.00	43.60	1.60	G277099	1.78	2530	33	45	2
43.60	44.30	0.70	G277101	15.7	10000.	13	22	4
					1			
44.30	44.80	0.50	G277102	5.56	3830	58	75	2
44.80	46.80	2.00	G277103	0.024	28	101	109	-2
46.80	47.25	0.45	G277104	0.059	74	58	106	-2
47.25	48.00	0.75	G277105	2.18	2460	36	36	-2
48.00	48.90	0.90	G277106	1.235	3900	35	73	3

# Drill Log

Project:

Cassiar

Hole Number:

TA12-09

From (m)	To (m)	Rocktype & Description
<<Alt: 50 - 51.8 moderate Ankerite>>		
<<Alt: 51.5 - 53.35 moderate Calcite>>		
<<Vein: 26.7 - 26.71 Quartz 50 deg. >>		
<<Vein: 28.55 - 28.62 Quartz 40 deg. >>		
<<Vein: 30.5 - 30.6 Quartz 40 deg. >>		
<<Vein: 42.65 - 42.66 Quartz 40 deg. >>		
<<Vein: 42.87 - 43.1 Quartz 50 deg. >>		
<<Vein: 43.3 - 43.5 Quartz 40 deg. >>		
<<Vein: 43.85 - 44.1 Quartz 40 deg. >>		poss shear with py bands/clusters nearmargins
<<Vein: 47.8 - 47.81 Quartz 42 deg. >>		
<<Vein: 48.46 - 48.55 Quartz 30 deg. >>		
<<Struc: 26.55 - 26.55 moderate contact 30 deg. >>		alteration boundary
<<Struc: 28.6 - 28.9 moderate Brecciated 35 deg. 25 deg. >>		brecciated QV with associated Py+As, calcite infill
<<Struc: 31.8 - 31.9 moderate Brecciated 50 deg. >>		calcite infill
<<Struc: 48.1 - 48.35 strong fault breccia / Veining - fracture fill>>		broken zone, with T2, Qv and brecciated. Carbon shr
<b>51.80 53.35 T1</b>		<b>Basalt</b>
		<b>green</b>
		<b>FG</b>
51.8 - 53.35: weaker ankerite altered zone 20cm-2m		
<<Alt: 51.8 - 53.35 weak Ankerite>>		
<<Alt: 52.7 - 53 moderate Ankerite>>		
<<Struc: 51.8 - 51.8 weak contact 35 deg. >>		alt boundary
<<Struc: 52.9 - 52.9 moderate fault 40 deg. >>		quartz vein
<b>53.35 86.50 T2</b>		<b>Basalt - Altered</b>
		<b>grey-green</b>
		<b>FG</b>
53.35 - 86.5: Locally broken angular core with weak clay fracture alt.		
<<Min: 58.7 - 59.2 0.5% arsenopyrite>>		
<<Min: 58.7 - 61.1 4% pyrite>>		
<<Min: 60 - 60.2 0.1% tetrahedrite>>		
<<Min: 67 - 67.4 2% pyrite>>		
<<Min: 67.4 - 69.2 0.5% pyrite>>		
<<Min: 69.2 - 70.3 4% pyrite>>		
<<Min: 70.3 - 71.3 0.5% pyrite>>		
<<Min: 71.3 - 71.9 2% pyrite>>		
<<Min: 71.9 - 75.7 0.5% pyrite>>		

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
48.90	50.70	1.80	G277107	0.061	78	76	90	-2
50.70	51.80	1.10	G277108	0.007	13	86	88	-2
51.80	53.35	1.55	G277109	-0.005	5	56	87	-2
53.35	55.50	2.15	G277111	0.01	30	80	79	-2
55.50	57.50	2.00	G277112	0.051	57	68	83	-2
57.50	58.70	1.20	G277113	-0.005	115	67	85	-2
58.70	59.70	1.00	G277114	0.664	3090	44	51	2
59.70	60.20	0.50	G277115	0.125	306	263	122	-2
60.20	61.10	0.90	G277116	0.668	1970	57	53	-2
61.10	63.10	2.00	G277117	0.028	174	56	68	-2
63.10	63.70	0.60	G277118	-0.005	144	69	82	-2
63.70	65.70	2.00	G277119	-0.005	120	70	80	-2
65.70	66.70	1.00	G277121	0.013	142	69	82	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-09

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Min: 75.7 - 76.6 1% arsenopyrite>>		finely disseminated associated with ext qtz veins and fine 'carbon' fractures and crackle textures.76-76.5m up to 5% in zones (1-2cm)	66.70	68.00	1.30	G277122	0.107	286	104	77	-2
<<Min: 75.7 - 76.8 8% pyrite>>		finely disseminated also occurring as medium to coarse pyritohedrons. Most intense in centre of interval.	68.00	69.20	1.20	G277123	0.007	105	57	86	-2
<<Min: 75.9 - 76 0.1% tetrahedrite>>		2-4mm cluster in ext qtz vn	69.20	70.30	1.10	G277124	1.58	863	60	53	-2
<<Min: 75.95 - 75.95 0.1% gold>>		1.5mm fleck of gold occurs on margin of extensional vein and altered + Py+ As mineralised basalt. Veins (1cm) seem to form on echelon arrays in core.	70.30	71.15	0.85	G277126	0.093	114	63	85	7
<<Min: 76.8 - 86.5 0.5% pyrite>>			71.15	71.80	0.65	G277127	0.51	316	64	79	4
<<Alt: 53.35 - 57.3 strong Ankerite>>			71.80	73.80	2.00	G277128	-0.005	65	55	81	-2
<<Alt: 56.8 - 57.3 moderate Clay>>			73.80	75.30	1.50	G277129	-0.005	93	64	87	2
<<Alt: 57.3 - 58.75 moderate Ankerite>>			75.30	75.80	0.50	G277131	0.192	247	61	87	-2
<<Alt: 57.3 - 63.7 strong Ankerite>>			75.80	76.10	0.30	G277132	8.83	1090	86	54	4
<<Alt: 58.7 - 61 moderate Graphite>>		crackle texture	76.10	76.80	0.70	G277133	0.971	6260	44	74	3
<<Alt: 63.7 - 65.7 moderate Ankerite>>			76.80	78.80	2.00	G277134	0.02	130	54	81	2
<<Alt: 65.7 - 73.8 strong Ankerite>>			78.80	79.80	1.00	G277135	0.018	138	59	84	-2
<<Alt: 73.8 - 75.5 moderate Ankerite>>			79.80	81.70	1.90	G277136	0.112	1220	171	89	2
<<Alt: 75.5 - 76.8 moderate Graphite>>		'crackle' brittle stockwork texture, very fine fractures with possible carbon/silica infill	81.70	82.80	1.10	G277137	0.015	151	64	91	-2
<<Alt: 75.5 - 86.5 strong Ankerite>>			82.80	83.10	0.30	G277138	0.058	222	16	52	2
<<Alt: 79.7 - 81.7 moderate Graphite>>		crackle texture	83.10	85.00	1.90	G277139	0.231	211	56	79	2
<<Vein: 58.84 - 58.85 Quartz 34 deg. >>			85.00	86.50	1.50	G277141	0.021	87	67	88	-2
<<Vein: 59.7 - 60.2 Quartz 30 deg. >>		late calcite veining and brecciation (banded and brecciated qtzclasts)									
<<Vein: 61.75 - 61.85 Quartz 30 deg. >>											
<<Vein: 65.2 - 65.21 Quartz 45 deg. >>											
<<Vein: 67.15 - 67.16 Quartz 30 deg. >>											
<<Vein: 75.95 - 75.96 Quartz 30 deg. >>		gold! VG very good									
<<Vein: 76.4 - 76.4 Quartz 40 deg. >>											
<<Vein: 78.09 - 78.12 Quartz 60 deg. >>											
<<Vein: 79.15 - 79.16 Quartz 20 deg. >>											
<<Vein: 79.9 - 79.9 Quartz 30 deg. >>											
<<Vein: 80 - 80.02 Quartz>>		BROKEN									
<<Vein: 81.55 - 81.87 Quartz 45 deg. >>											
<<Vein: 82.9 - 83.07 Quartz 40 deg. >>											
<<Vein: 83.8 - 83.84 Quartz>>											
<<Vein: 85.6 - 85.61 Quartz 50 deg. >>		cross-cutting PY filled shear/qtz vn									

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-09**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-		
<<Struc: 56.8 - 57.1 moderate fault gouge>>		rubble, 1-4cm core pieces, moderate clay alteration. Late fracturing and clay alt											
<<Struc: 60 - 60.2 strong fault breccia 30 deg. >>		calcite infill brecciating QV											
<<Struc: 67.25 - 67.25 weak Foliated 35 deg. >>		banding?											
<<Struc: 85.1 - 85.1 moderate Sheared 30 deg. / Veining - fracture fill>>													
<<Struc: 86 - 86.02 weak Sheared 40 deg. / Veining - fracture fill>>													
<b>86.50</b>	<b>92.30</b>	<b>FLT Fault, Fault Zone</b>	<b>grey-green</b>	<b>FG</b>	86.50	88.50	2.00	G277142	0.023	97	48	73	2
86.5 - 92.3: T2. Continuation of T2 unit. Increased minor faulting leading into highly broken and locally friable core. 1-4cm quartz breccia zones and slide planes evident. Green chloritic tinge and moderate clay alteration around relict angular rock clasts (.1-1cm). Minor competent un-deformed (5-10cm) T2 pieces.													
<<Min: 86.5 - 99.2 0.5% pyrite>>			88.50	90.50	2.00	G277143	0.025	103	60	78	-2		
<<Alt: 86.5 - 92.3 moderate Clay>>			90.50	92.30	1.80	G277145	-0.005	110	56	83	2		
<<Alt: 86.5 - 99 moderate Ankerite>>													
<<Alt: 86.5 - 114 weak Chlorite >>													
<<Struc: 86.8 - 86.82 moderate Brecciated 10 deg. >>													
<<Struc: 87 - 87.04 moderate Brecciated 40 deg. / Veining - fracture fill>>		angular jigsaw clasts in cream quartz infill, clasts and surrounding rock similar T2 alteration. Lack of CA. Late qtz event?											
<b>92.30</b>	<b>103.20</b>	<b>T2 Basalt - Altered</b>	<b>grey-green</b>	<b>FG</b>	92.30	94.00	1.70	G277146	0.029	256	63	95	2
92.3 - 103.2: Arbitrary boundary, T2 unit still exhibits minor cm scale shearing, fault slip planes and broken rubble sections of core (1-20cm pieces competent core).													
<<Min: 96.9 - 96.95 0.1% tetrahedrite>>			94.00	96.00	2.00	G277147	0.011	197	65	80	-2		
<<Min: 96.9 - 96.95 0.5% arsenopyrite>>		margin	96.00	98.00	2.00	G277148	0.13	1155	79	92	2		
<<Min: 99.2 - 100 6% pyrite>>			98.00	99.20	1.20	G277149	0.058	152	72	72	-2		
<<Min: 100 - 105 0.5% pyrite>>			99.20	100.00	0.80	G277151	1.865	1075	51	46	-2		
<<Min: 100.85 - 100.9 1% arsenopyrite>>		medium grained, prismatic	100.00	102.00	2.00	G277152	0.033	165	44	104	-2		
<<Alt: 92.3 - 102 weak Clay>>			102.00	103.20	1.20	G277153	0.006	79	56	103	-2		
<<Alt: 92.6 - 93.6 weak Graphite>>		CRACKLE texture											
<<Alt: 98.5 - 102 weak Graphite>>		crackle texture											
<<Alt: 99 - 103.2 strong Ankerite>>													
<<Alt: 102 - 103.2 moderate Clay>>													
<<Vein: 95.4 - 95.41 Quartz 45 deg. >>													
<<Vein: 96 - 96.01 Quartz 5 deg. >>													
<<Vein: 96.9 - 96.94 Quartz 50 deg. >>		As+TT											
<<Vein: 97.7 - 97.71 Quartz 45 deg. >>													
<<Vein: 98.2 - 98.23 Quartz 40 deg. >>													

# Drill Log

Project:

Cassiar

Hole Number:

TA12-09

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Vein: 99.55 - 99.61 Quartz 50 deg. >>		lower contact FBX (listed in struct)									
<<Vein: 100.85 - 100.9 Quartz 50 deg. >>		as									
<<Struc: 93.9 - 93.9 moderate fault 60 deg. >>											
<<Struc: 99.6 - 99.65 strong fault breccia 55 deg. / Veining - fracture fill>>		slightly oblique to QV									
<<Struc: 99.8 - 99.83 weak fault breccia 40 deg. / Veining - fracture fill>>		calcite boudinaged									
<<Struc: 100.93 - 100.94 moderate Sheared 50 deg. >>											
<<Struc: 101.3 - 101.45 weak Brecciated 30 deg. >>		possible green (ser) alt qv or chert band, weakly bxd with clay stockwork									
<<Struc: 102.8 - 102.8 weak fault 40 deg. >>											
<b>103.20 104.30 T1</b>		<b>Basalt</b>	<b>green</b>			<b>FG</b>					
103.2 - 104.3: Fault gouge/contact weathering for 20cm leading up to upper contact, contact may be positioned higher.											
<<Alt: 103.2 - 104.3 weak Calcite>>											
<<Alt: 103.2 - 128 weak Clay>>		fracture related and associated with 5-20cm patches of broken core (more intense frac)									
<b>104.30 109.50 T2</b>		<b>Basalt - Altered</b>	<b>grey</b>			<b>FG</b>					
<<Min: 105 - 105.7 5% pyrite>>											
<<Min: 105.7 - 108.8 0.5% pyrite>>											
<<Min: 108.8 - 110.4 3% pyrite>>											
<<Alt: 104.3 - 106.6 strong Ankerite>>											
<<Alt: 106.6 - 108.6 moderate Ankerite>>											
<<Alt: 108.6 - 109.5 strong Ankerite>>											
<<Vein: 105.4 - 105.41 Quartz 60 deg. >>											
<<Vein: 107.6 - 107.63 Quartz 23 deg. >>											
<b>109.50 109.95 T5</b>		<b>Quartz Vein</b>	<b>white</b>								
109.5 - 109.95: Pale green soft zones of sercite+ clay alteration on margins and within vein. Otherwise bull quartz.											
<<Vein: 109.5 - 109.95 Quartz 25 deg. >>											
<b>109.95 130.95 T2</b>		<b>Basalt - Altered</b>	<b>grey</b>			<b>FG</b>					
109.95 - 130.95: Unit still contains zones of moderate clay alt and broken core (10-50cm). Lower boundary is gradational.											
<<Min: 110.2 - 110.22 0.1% chalcopryrite>>											
<<Min: 110.4 - 120 0.5% pyrite>>											
<<Min: 112.25 - 112.28 0.5% tetrahedrite>>											
<<Min: 112.25 - 112.28 0.5% sphalerite>>											
<<Min: 120 - 122.85 2% pyrite>>											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-09

From (m) To (m) Rocktype & Description

<<Min: 121.95 - 122.15 0.1% chalcopryite>>  
 <<Min: 121.95 - 122.15 2% arsenopyrite>> banded fine grained halo around ext vein  
 <<Min: 122.85 - 125.5 0.5% pyrite>>  
 <<Min: 125.5 - 149.45 0.1% pyrite>>  
 <<Alt: 109.95 - 114 strong Ankerite>>  
 <<Alt: 112.9 - 113.5 weak Graphite>> crackle  
 <<Alt: 114 - 117 moderate Ankerite>>  
 <<Alt: 117 - 118.1 strong Ankerite>>  
 <<Alt: 118.1 - 119.65 moderate Ankerite>>  
 <<Alt: 119.65 - 126.9 strong Ankerite>>  
 <<Alt: 126.6 - 132.9 moderate Calcite>>  
 <<Alt: 126.9 - 130.95 moderate Ankerite>>  
 <<Vein: 110.2 - 110.22 Quartz 20 deg. >>  
 <<Vein: 111.15 - 111.3 Quartz>> broken  
 <<Vein: 112.25 - 112.28 Quartz 20 deg. >>  
 <<Vein: 114.05 - 114.06 Quartz 50 deg. >>  
 <<Vein: 115.9 - 115.94 Quartz 20 deg. >>  
 <<Vein: 117.7 - 117.71 Quartz 30 deg. >>  
 <<Vein: 120.5 - 120.52 Quartz 30 deg. >>  
 <<Vein: 122 - 122.02 Quartz 20 deg. >> as envelope  
 <<Vein: 123.4 - 123.45 Quartz>> broken  
 <<Struc: 113 - 113.4 moderate fault 30 deg. >>  
 <<Struc: 118.9 - 118.9 weak fault 15 deg. >> +clay alt

**130.95 149.45 T1A Pillow Basalt green FG**  
 130.95 - 149.45: gradational upper and lower contacts with increased Calcite within T1 closer to T2 boundary. Zones of increased bleaching (clay) 20 to 50cm in length. Evidence of pillow basalts. Lower 4mof unit exhibits a moregranular texture possible due to alt.

<<Alt: 130.95 - 149.45 weak Ankerite>>  
 <<Alt: 138 - 138.6 moderate Clay>>  
 <<Alt: 143.3 - 153.65 moderate Calcite>>

**149.45 158.65 T2 Basalt - Altered grey FG**  
 149.45 - 158.65: Sharp upper contact to cream coloured T2,unit exhibits strong fracturing texture in the upper 1.5m. Seems dark fractures in altered rock could be in fact residual un-altered basalt.153.65-153.7m Mafic dyke.

<<Min: 149.45 - 179 0.5% pyrite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
119.80	121.80	2.00	G277168	0.167	280	22	73	-2
121.80	122.20	0.40	G277169	0.588	2530	62	69	2
122.20	124.15	1.95	G277171	0.471	2460	14	60	2
124.15	126.00	1.85	G277172	0.25	1095	38	76	2
126.00	128.00	2.00	G277173	-0.005	40	62	101	-2
128.00	130.00	2.00	G277174	-0.005	40	64	90	-2
130.00	130.95	0.95	G277176	-0.005	31	50	92	2
130.95	132.90	1.95	G277177	-0.005	24	67	91	3
132.90	134.90	2.00	G277178	-0.005	5	77	65	-2
145.55	147.45	1.90	G277179	-0.005	19	75	80	-2
147.45	149.45	2.00	G277181	-0.005	49	64	77	-2
149.45	151.00	1.55	G277182	-0.005	42	45	75	2
151.00	153.00	2.00	G277183	0.007	76	68	91	2



# Drill Log

Project:

Cassiar

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From (m)	To (m)	Rocktype & Description
<<Min: 155.4 - 155.6	1% arsenopyrite>>	fine grained sub-para envelope to ext vn
<<Alt: 149.45 - 158.65	strong Ankerite>>	
<<Vein: 153.4 - 153.41	Quartz 25 deg. >>	
<<Vein: 155.15 - 155.18	Quartz 50 deg. >>	early stage dark qtz?
<<Vein: 155.5 - 155.51	Quartz 20 deg. >>	As envelope
<<Struc: 158.2 - 158.35	strong Sheared 35 deg. >>	
<b>158.65</b>	<b>158.95</b>	<b>T5 Quartz Vein white</b>
158.65 - 158.95: Pale green sericite zones within vein. Fine grained As forms on margin in wall rock. Possible SHR vein		
<<Min: 158.9 - 159	1% arsenopyrite>>	fine As in wall rock margin to T5
<<Vein: 158.65 - 158.95	Quartz 20 deg. >>	banded lacking ext textures
<b>158.95</b>	<b>170.80</b>	<b>T2 Basalt - Altered grey FG</b>
158.95 - 170.8: lower contact is gradational with decreasing ankerite, becoming patchy and spotty (crystal blebs)		
<<Min: 163.3 - 163.9	1% arsenopyrite>>	fine 1-2cm halo to ext qtz vein, and weakly disseminated downhole
<<Min: 163.4 - 163.5	0.1% tetrahedrite>>	
<<Alt: 158.95 - 167.35	strong Ankerite>>	
<<Alt: 167.35 - 168.1	moderate Ankerite>>	blebby
<<Alt: 168.1 - 168.8	strong Ankerite>>	
<<Alt: 168.8 - 170.8	moderate Ankerite>>	
<<Vein: 160.65 - 160.67	Quartz 0 deg. >>	ext vein low angle + sharp change of direction. Runs from 160.5m to 160.8m
<<Vein: 163.4 - 163.45	Quartz 25 deg. >>	as envelope + tr TT
<<Vein: 164.45 - 164.46	Quartz 45 deg. >>	
<<Vein: 165.6 - 165.61	Quartz 35 deg. >>	
<<Vein: 165.75 - 165.76	Quartz 30 deg. >>	
<<Vein: 166.55 - 166.56	Quartz 22 deg. >>	
<b>170.80</b>	<b>173.40</b>	<b>T1 Basalt grey-green FG</b>
170.8 - 173.4: weak ankerite alt		
<<Alt: 170.8 - 173.4	weak Ankerite>>	
<<Struc: 171.2 - 171.25	moderate Brecciated 40 deg. >>	
<b>173.40</b>	<b>174.20</b>	<b>T2 Basalt - Altered grey FG</b>
173.4 - 174.2: T2 unit, containing 15-20cm Qtz breccia at 173.6m followed by a 10cm clastic unit containing 2-8mm angular clasts in a fine grey matix. Possible volvano-clastic grading into a mafic ash tuff downhole (clay altered).		
<<Alt: 173.4 - 174.2	moderate Ankerite>>	

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
153.00	155.00	2.00	G277184	0.021	125	46	108	2
155.00	155.70	0.70	G277185	0.194	3540	55	91	2
155.70	157.00	1.30	G277186	-0.005	107	77	126	2
157.00	158.65	1.65	G277187	0.009	165	70	107	-2
158.65	158.95	0.30	G277188	0.241	2690	40	46	-2
158.95	159.35	0.40	G277189	0.147	2300	54	64	-2
159.35	161.00	1.65	G277191	0.064	206	74	81	2
161.00	163.00	2.00	G277192	0.005	140	57	83	-2
163.00	164.00	1.00	G277193	0.174	3370	87	77	2
164.00	166.00	2.00	G277194	-0.005	142	60	79	-2
166.00	168.00	2.00	G277195	0.005	134	67	83	-2
168.00	169.00	1.00	G277196	0.058	98	72	88	3
169.00	170.80	1.80	G277197	-0.005	38	85	113	2
170.80	172.00	1.20	G277198	-0.005	11	57	96	2
172.00	173.40	1.40	G277199	-0.005	4	86	103	3
173.40	174.20	0.80	G277201	0.313	14	40	86	2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-09

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Alt: 173.9 - 174.2 moderate Clay>> <<Struc: 173.6 - 173.8 strong Brecciated 50 deg. >>											
<b>174.20</b>	<b>175.65</b>	<b>T1 Basalt</b>	<b>grey-green</b>	<b>FG</b>	1.45	G277202	-0.005	27	48	111	2
<<Alt: 174.2 - 175.65 weak Ankerite>> <<Alt: 174.65 - 179 strong Ankerite>>											
<b>175.65</b>	<b>179.00</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>	<b>FG</b>	1.35	G277203	0.045	67	50	83	2
175.65 - 179: Fairly sharp upper alteration boundary however the lower boundary is gradational with weakening ankerite.											
<<Vein: 176.6 - 176.64 Quartz 40 deg. >> <<Vein: 176.8 - 176.83 Quartz 60 deg. >>											
<b>179.00</b>	<b>198.05</b>	<b>T1F Magnetic/Jasper Pillow Basalt</b>	<b>green</b>	<b>FG</b>	2.00	G277205	-0.005	13	84	105	2
179 - 198.05: Gradual weaking of carbonate alteration downhole. Abundant fine brittle qtz-calcite veining. Minor jasper and magnetite 'pods'. Pillow basalt texture from 190m to 193m											
<<Alt: 179 - 183.8 weak Ankerite>> patchy ak 2, and blebs of AK <<Alt: 183.8 - 192.2 moderate Calcite>> <<Alt: 189.55 - 189.8 weak Ankerite>> alteration associated with qcv veining and minor breccia. Cream alteration (AK ?), calcite alteration pervasive throughout, <<Alt: 196 - 199 weak Haematite - earthy>>											
<<Struc: 189.55 - 189.55 moderate contact 30 deg. / Veining - fracture fill>> alt cnt + qcv											
<b>198.05</b>	<b>198.45</b>	<b>SHZN Shear Zone</b>	<b>green-brown</b>	<b>FG</b>	2.00	G277206	-0.005	3	84	99	2
198.05 - 198.45: Strong foliated fabric, green, maroon and black in colour. Shear zone possible utilizing mafic tuff and 10cm graphitic argillite bed. Brittle calcite tension gashes (1-2mm wide) form a linear zone associated with a flexure in the main 'shear' fabric.											
<<Struc: 198.05 - 198.45 strong Sheared 45 deg. 32 deg. >>											
<b>198.45</b>	<b>217.00</b>	<b>T1A Pillow Basalt</b>	<b>green</b>	<b>FG</b>	1.00	G277211	0.056	17	105	99	-2
198.45 - 217: Chloritic basalt. Lacking jasper and magnetite. Weak thin calcite veining.											
<<Alt: 202 - 204.1 moderate Chlorite >> <<Struc: 198.65 - 198.65 moderate fault 18 deg. >> <<Struc: 200 - 200.25 strong fault 20 deg. / Veining - fracture fill>> calcite veining <<Struc: 205.45 - 205.55 moderate fault breccia 30 deg. >> calcite alt <<Struc: 212.4 - 212.4 moderate Bedded 50 deg. >> consistent banding											

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-09**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>217.00</b>	<b>231.34</b>	<b>T1A Pillow Basalt</b>									
<p><b>green FG</b></p> <p>217 - 231.34: Continuation of T1 basalt unit, however this section of basalt is dominated by original volcanic breccia (hyalo-clastite). Coarse (1-10cm) sub-rounded basalt clasts exhibiting reaction rims.</p> <p>&lt;&lt;Struc: 218.5 - 218.5 weak fault 60 deg. &gt;&gt; calcite+hemt</p> <p>&lt;&lt;Struc: 227.3 - 227.3 weak contact 35 deg. &gt;&gt; possible contact from more massive flow/hylo-clastite to more granular (alteration) or tuff??</p> <p><b>End of Hole @ 231.34</b></p>											

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-10

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Margot McKeown
Grid:		Hole Diameter:	4 3/4	Survey By:	Ron Voordouw	Date Started:	03/07/2012
UTM Easting:	460051.59	Core Size:	NQ	Azimuth:	356	Date Completed:	05/07/2012
UTM Northing:	6570170.99	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-50	Drill Company:	Apex
UTM Elev. (m):	1100.489	Casing Depth (m):	6.1	Length (m):	185.62	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title:		Drill Started:	02/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	03/07/2012
Local Elev. (m):							

**Comments:**

25 m step out to NW from area of closely spaced DDHs at Sable, toward 88 Hill/Sable Gap

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
17.98	-49.9	332.6	23.37	355.97	ReflexEZS		02/07/2012	5771	<input checked="" type="checkbox"/>	
66.75	-51.3	332.6	23.37	355.97	ReflexEZS		02/07/2012	5779	<input checked="" type="checkbox"/>	
112.47	-52.4	333.8	23.37	357.17	ReflexEZS		02/07/2012		<input checked="" type="checkbox"/>	
167.34	-53.6	336.3	23.37	359.67	ReflexEZS		02/07/2012	5818	<input checked="" type="checkbox"/>	
185.62	-53.6	334.2	23.37	357.57	ReflexEZS		02/07/2012	5318	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>0.00</b>	<b>6.10</b>	<b>OVB Overburden</b>									
0 - 6.1: Casing											
<b>6.10</b>	<b>12.14</b>	<b>T1 Basalt</b>	6.10	8.92	2.82	G277212	-0.005	2	67	72	-2
6.1 - 12.14: Greenschist facies. Carbonate veinets as well as pervasive, chlorite veinlets and an epidote extensional vein.											
<<Min: 6.1 - 12.14 0.1% pyrite>> Sparse, euhedral.											
			8.92	10.92	2.00	G277213	-0.005	3	73	80	-2
<<Vein: 7.65 - 7.66 Quartz-Epidote 42 deg. >> Epidote vein with lesser silica. Fibrous texture perpendicular to vein margins.											
			10.92	12.14	1.22	G277214	-0.005	2	61	89	-2
<<Struc: 11.02 - 11.08 moderate fault gouge 15 deg. >>											
<b>12.14</b>	<b>12.92</b>	<b>T2 Basalt - Altered</b>	12.14	12.92	0.78	G277215	-0.005	6	55	116	-2
12.14 - 12.92: Intense, pervasive ankerite alteration. Lesser late stage carbonate as mm scale, randomly oriented veinlets.											
<<Min: 12.14 - 12.92 0.5% pyrite>>											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-10

From (m) To (m) Rocktype & Description

<<Alt: 12.14 - 12.92 intense Ankerite>> Pervasive

**12.92 14.04 T1 Basalt**

12.92 - 14.04: Light green, weakly ankerite altered basalt with moderate, pervasive carbonate alteration.

<<Alt: 12.92 - 14.04 weak Ankerite>>

**14.04 15.27 T2 Basalt - Altered**

14.04 - 15.27: Light grey, pervasively ankerite and sericite (?) altered basalt. Numerous mm scale extensional quartz veins from 14.52-15.05 at moderate (45-50) angles to core axis. Pyrite is abundant occurring largely as euhedral pyritohedrons however from 14.04-14.27m pyrite is fine, disseminated also forming fine bands possibly along very subtle fractures.

<<Min: 14.04 - 15.27 18% pyrite>>

<<Min: 14.04 - 15.27 0.1% arsenopyrite>> Trace?

<<Min: 14.4 - 14.7 0.1% sphalerite>> Trace?

<<Alt: 14.04 - 15.27 moderate Ankerite>>

<<Vein: 14.44 - 14.46 Quartz 50 deg. >> Minor tetrahedrite along salvages?

<<Vein: 14.77 - 14.78 Quartz 60 deg. >>

<<Vein: 14.84 - 14.845 Quartz 40 deg. >>

<<Vein: 14.94 - 14.945 Quartz 60 deg. >>

<<Vein: 15.03 - 15.035 Quartz 50 deg. >>

**15.27 15.80 T5 Quartz Vein**

15.27 - 15.8: Large, quartz extensional(?) vein with undulating margins and pieces of wall rock within the vein. Lesser yellow/creamy ankerite and light green sericite(?) occur throughout. Pyrite occurs as blebs and stringers within the vein though more focused along salvages. The margins are not clean but are roughly 40 degrees tca.

<<Min: 15.27 - 15.8 3% pyrite>>

<<Vein: 15.27 - 15.8 Quartz 40 deg. >> Likely extensional

**15.80 17.10 T2 Basalt - Altered**

15.8 - 17.1: Grey to light purple silicified and ankerite altered basalt. Two quartz veins have abundant sulphides dominated by pyrite with much lesser arsenopyrite between them. 15.97-16.15 quartz vein with 25cm of semi-massive sulphides dominated by pyrite along the lower contact. 16.37-16.43 quartz vein with abundant sulphides dominated by pyrite. Downhole from the lower quartz vein pyrite is coarse and euhedral then forms blebs and fine bands further downhole. The alteration halo grades out and is more dominated by ankerite.

<<Min: 15.8 - 16.15 5% pyrite>>

<<Min: 15.8 - 16.15 0.1% arsenopyrite>>

<<Min: 16.15 - 16.45 20% pyrite>> Coarse and blebby.

<<Min: 16.15 - 16.45 5% arsenopyrite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
12.92	14.04	1.12	G277216	-0.005	8	82	111	-2

14.04	15.27	1.23	G277217	1.99	1135	31	33	-2
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15.27	15.80	0.53	G277218	0.627	138	4	14	-2
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15.80	16.15	0.35	G277219	0.713	456	3	40	-2
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16.15	16.45	0.30	G277221	23.8	5490	19	21	-2
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16.45	17.10	0.65	G277222	4.28	1775	26	41	-2
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From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME- ICP41	Zn ppm ME- ICP41	Pb ppm ME- ICP41
<<Min: 16.45 - 17.1	>>	5% pyrite>> Near the lower contact it forms preferentially along quartz veinlets that may be micro-fractures.									
<<Min: 16.45 - 17.1	>>	0.5% arsenopyrite>>									
<<Alt: 15.8 - 17.1	>>	moderate Ankerite>>									
<<Alt: 15.8 - 17.7	>>	weak Silicification >>									
<<Vein: 15.97 - 16.15	>>	Quartz-Ankerite 42 deg. >> Possibly a shear vein? Dominated by quartz with lesser ankerite.									
<<Vein: 16.37 - 16.43	>>	Quartz-Pyrite 42 deg. >> Possibly extensional? There may be a slight fibrous texture along vein margins.									
<<Vein: 16.52 - 16.525	>>	Quartz 30 deg. >> Undulating shoot that does not have a consistent orientation to core axis.									
<b>17.10</b>	<b>22.72</b>	<b>T1 Basalt</b>	17.10	18.10	1.00	G277223	0.027	21	38	111	-2
17.1 - 22.72: Greenschist facies basalt with abundant chlorite veinlets some with calcite. Zones with coarse disseminated pyrite occur throughout, some stringers and blebs of pyrite occur along randomly oriented chlorite veinlets.											
<<Min: 17.1 - 22.72	>>	0.5% pyrite>> Some blebby	18.10	20.10	2.00	G277224	-0.005	7	57	117	-2
<<Min: 17.1 - 22.72	>>	0.1% arsenopyrite>>	20.10	21.63	1.53	G277226	-0.005	6	65	104	-2
<<Vein: 22.44 - 22.55	>>	Quartz 65 deg. >> Smokey quartz vein with graphitic material giving it a mottled grey appearance. It appears similar to early smoky quartz veins seen in outcrop that are cut by later quartz veins. Margins are unulating and not crisp. Minor pyrite along salvages.	21.63	22.72	1.09	G277227	-0.005	9	49	112	-2
<<Struc: 18.56 - 18.85	>>	moderate Fractured>>									
<b>22.72</b>	<b>25.10</b>	<b>T2 Basalt - Altered</b>	22.72	25.10	2.38	G277228	0.187	143	43	119	-2
22.72 - 25.1: Light grey to faint purple pervasively altered basalt. Alteration grades out towards the lower contact where chlorite veinlets typical of the T1 basalt occur. Throughout the unit are randomly oriented quartz and ankerite(?) veinlets as well as cross-cutting calcite veinlets. There are sporadic cm-scale blebs of pyrite.											
<<Min: 22.72 - 25.1	>>	0.5% pyrite>> Occurs as sporadic blebs									
<<Alt: 22.72 - 25.1	>>	weak Clay>> Possibly clay with silica alteration?									
<<Alt: 22.72 - 25.1	>>	moderate Ankerite>>									
<b>25.10</b>	<b>26.76</b>	<b>T1 Basalt</b>	25.10	26.76	1.66	G277229	-0.005	7	45	109	-2
25.1 - 26.76: Green to light grey basalt. Largely unaltered with a 25cm section from 25.75-26 with moderate clay alteration. Cross cutting calcite stringers occur throughout, many occurring at ~45 degrees tca.											
<<Min: 25.1 - 26.76	>>	0.1% pyrite>> Trace, occurring as blebs.									
<<Alt: 25.1 - 26.76	>>	moderate Fe-Carbonate>>									
<b>26.76</b>	<b>29.27</b>	<b>T2 Basalt - Altered</b>	26.76	28.08	1.32	G277231	-0.005	10	105	114	-2
26.76 - 29.27: Yellow/cream to faint purple highly altered basalt. Possibly clay + silica alteration with minor hematite and chlorite. Possible ductile shear zone?? There is not a distinct orientation to the alteration however it's been well worked over.											
<<Min: 26.76 - 29.27	>>	0.1% pyrite>> Sporadic blebs	28.08	29.27	1.19	G277232	0.12	116	44	101	-2

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From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME- ICP41	Zn ppm ME- ICP41	Pb ppm ME- ICP41
<<Alt: 26.76 - 29.27 weak Silicification >>		With clay alteration									
<<Alt: 26.76 - 29.27 moderate Clay>>		Possibly clay alteration imparting the cream color also silicified.									
<<Alt: 27.36 - 28.08 weak Haematite - earthy>>		Patches									
<<Vein: 27.61 - 27.63 Calcite-Dolomite 20 deg. >>		Carbonate, dolomite(?) vein with messy margins.									
<<Struc: 28.8 - 28.94 moderate Brecciated 63 deg. >>		Carbonate and silica rich fluids have brecciated this zone. Angular, jigsaw like clasts.									
<b>29.27</b>	<b>35.71</b>	<b>T1 Basalt</b>	29.27	31.27	2.00	G277233	-0.005	8	56	109	-2
29.27 - 35.71: Green T1 with veinlets of chlorite +/- silica some with euhedral or blebby pyrite occurring along them. 33.27-33.4 may be a finely bedded tuffaceous unit however it is difficult to discern due to alteration. Sporadic zones of carbonate alteration both pervasive and as stringers.											
<<Min: 29.27 - 35.71 0.5% pyrite>>		Occurs as blebs within chlorite +/- silica veinlets	31.27	33.27	2.00	G277234	-0.005	4	47	77	-2
<<Alt: 29.27 - 35.71 moderate Fe-Carbonate>>		Pervasive in zones and occurs as veinlets.	33.27	35.71	2.44	G277235	-0.005	8	73	59	-2
<b>35.71</b>	<b>36.41</b>	<b>T2 Basalt - Altered</b>	35.71	36.41	0.70	G277236	0.852	561	38	43	-2
35.71 - 36.41: Light grey to faint purple alteration halo with fine to coarse disseminated pyrite (3%) surrounding a shear (?) quartz vein from 35.98-36.18m.											
<<Min: 35.71 - 36.18 3% pyrite>>											
<<Alt: 35.71 - 36.41 moderate Ankerite>>											
<<Vein: 35.76 - 35.77 Calcite 45 deg. >>		Possibly sheared, slightly banded.									
<<Vein: 35.98 - 36.18 Quartz 50 deg. >>		Possibly a shear vein? Margins are not clean.									
<b>36.41</b>	<b>37.29</b>	<b>T1 Basalt</b>	36.41	37.29	0.88	G277237	-0.005	11	83	77	-2
36.41 - 37.29: Green T1 basalt with pervasive carbonate alteration, some veinlets.											
<<Alt: 36.41 - 37.29 moderate Fe-Carbonate>>											
<b>37.29</b>	<b>57.25</b>	<b>T2 Basalt - Altered</b>	37.29	39.26	1.97	G277238	-0.005	36	70	84	-2
37.29 - 57.25: Light grey to cream color moderate to strongly ankerite altered basalt cut by sparse cm scale quartz veins several of which are extensional. Pyrite within the wall rock is associated with the quartz veins. Much of this unit has a crackle breccia texture with very fine chloritic(?) or graphitic + silica (?) veinlets forming the breccia.											
<<Min: 39.29 - 43.29 3% pyrite>>		Focused within the wall rock associated with veins.	39.26	41.29	2.03	G277239	-0.005	58	66	87	-2
<<Min: 43.29 - 46.02 0.2% pyrite>>		Trace, euhedral.	41.29	42.44	1.15	G277241	4.45	716	93	67	-2
<<Min: 46.02 - 46.5 4% pyrite>>		Fine to coarse pyrite associated with a quartz vein.	42.44	43.29	0.85	G277242	1.925	562	90	80	-2
<<Min: 48.5 - 51.2 0.5% pyrite>>		Trace	43.29	45.15	1.86	G277243	0.245	261	58	75	-2
<<Min: 51.2 - 53.65 4% pyrite>>		Dominantly pyritohedrons.	45.15	46.02	0.87	G277244	0.65	320	55	90	-2
<<Min: 53.65 - 57.16 3% pyrite>>		Fine disseminated to coarse euhedral.	46.02	46.50	0.48	G277245	1.575	1080	39	54	-2
<<Min: 53.65 - 57.16 0.1% arsenopyrite>>			46.50	48.50	2.00	G277246	0.007	77	61	86	-2
<<Alt: 37.29 - 53.56 weak White mica (Sericite)>>		Sericite(?) or clay alteration.	48.50	49.15	0.65	G277247	0.205	578	62	73	-2

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From (m) To (m) Rocktype & Description

<<Alt: 37.29 - 53.56 weak Fe-Carbonate>> Within micro-fractures  
 <<Alt: 37.29 - 53.56 moderate Ankerite>> Pervasive throughout.  
 <<Alt: 53.56 - 57.25 strong Ankerite>> Pervasive  
 <<Vein: 43.97 - 44 Quartz-Carbonate 35 deg. >> Quartz with much lesser carbonate. Minor tetrahedrite within the vein.  
 <<Vein: 46.2 - 46.27 Quartz 42 deg. >> Quartz with much lesser carbonate. Fibrous growth perpendicular to vein margins, crisp margins.  
 <<Vein: 48.85 - 48.86 Quartz 45 deg. >> Fibrous growth parallel to vein margins.  
 <<Vein: 49.15 - 49.31 Quartz 40 deg. >> Shear?  
 <<Vein: 51.2 - 51.33 Quartz 48 deg. >> Likely extensional, slight fibrous texture perpendicular tca.  
 <<Vein: 54.18 - 54.39 Quartz 40 deg. >> Likely a shear vein with smaller dilation veins coming off it. Some disseminated pyrite an lesser arsenopyrite.  
 <<Vein: 55.22 - 55.33 Quartz 0 deg. >> Early, smoky quartz vein cut by a late stage white quartz vein  
 <<Vein: 55.32 - 55.33 Quartz 40 deg. >> Late stage white quartz vein cutting earlier smokey quartz vein  
 <<Vein: 56.08 - 56.09 Quartz 43 deg. >>  
 <<Vein: 56.84 - 56.86 Quartz 40 deg. >> With some pyrite.  
 <<Struc: 49.15 - 51.28 moderate Fractured>>

**57.25 60.09 T2 Basalt - Altered**

57.25 - 60.09: Ankerite altered pillow basalt. The contact between this T2 unit and the T1 below is gradational so not a distinct contact. Abundant chlorite and calcite between pillows.

<<Min: 57.25 - 60.09 0.5% pyrite>> Sparse, euhedral  
 <<Alt: 57.25 - 60.09 moderate Ankerite>>

**60.09 76.78 T1F Magnetic/Jasper Pillow Basalt**

60.09 - 76.78: Green, predominately unaltered pillow basalt. Two bleached/altered halos around cm scale quartz-carbonate and carbonate veins. The unit is cut by several calcite veinlets ~50degrees tca. Evidence of late movement with fractures offsetting veinlets and low angle fractures. From 75.3-76.78 the unit is much more coarse with mafic minerals visible to the naked eye. Possibly a flow unit(?) or a mafic tuff(?) no clear textures.

<<Alt: 66.19 - 66.45 moderate Clay>> Alteration halo surrounding a quartz carbonate vein  
 <<Alt: 66.19 - 66.45 moderate Ankerite>> Likley ankerite?  
 <<Alt: 66.67 - 66.8 weak Silicification >> Bleached with some silica alteration. Halo around a slightly banded calcite vein.  
 <<Alt: 69.8 - 73.1 weak Silicification >> Silicified? Slightly harder than the rest of the unit and somewht bleached.  
 <<Alt: 73.09 - 74.63 weak Clay>>  
 <<Alt: 74.2 - 74.63 moderate Ankerite>>  
 <<Vein: 65.32 - 65.33 Calcite 36 deg. >> Crisp extensional vein.  
 <<Vein: 65.65 - 65.66 Calcite 34 deg. >> Extensional vein

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
49.15	51.20	2.05	G277248	1.3	409	49	49	-2
51.20	52.67	1.47	G277249	1.31	1135	74	62	-2
52.67	53.65	0.98	G277251	4.94	941	53	77	-2
53.65	55.75	2.10	G277252	1.11	572	38	50	-2
55.75	57.16	1.41	G277253	3.11	733	46	55	-2
57.16	58.09	0.93	G277254	0.064	94	56	92	-2
58.09	60.09	2.00	G277255	-0.005	48	66	88	-2
60.09	62.00	1.91	G277256	-0.005	15	75	84	-2
62.00	64.00	2.00	G277257	-0.005	5	82	70	-2
64.00	66.00	2.00	G277258	-0.005	2	84	50	-2
66.00	68.20	2.20	G277259	0.007	94	78	81	-2
68.20	70.00	1.80	G277261	-0.005	-2	70	53	-2
70.00	72.00	2.00	G277262	-0.005	-2	81	58	-2
72.00	74.00	2.00	G277263	-0.005	-2	70	76	-2
74.00	75.30	1.30	G277264	-0.005	9	73	92	-2
75.30	76.78	1.48	G277265	-0.005	5	79	79	-2



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From (m)	To (m)	Rocktype & Description
<<Vein: 66.3 - 66.33		Quartz-Carbonate 60 deg. >> Slightly banded quartz-carbonate vein
<<Vein: 66.74 - 66.75		Calcium carbonate/Carbonate 55 deg. >>
<<Vein: 74.37 - 74.38		Calcium carbonate/Carbonate 43 deg. >> Carbonate vein with an alteration halo.
<<Vein: 75.22 - 75.23		Calcium carbonate/Carbonate 28 deg. >> Carbonate vein with ~2cm offset (~40 tca)
<b>76.78</b>	<b>86.00</b>	<b>T2 Basalt - Altered grey</b>
76.78 - 86: Grey, fractured ankerite, sericite(?) and clay altered. Highly altered pillow unit, alteration has obliterated most primary textures. Moderately abundant carbonate filled tension gashes and veinlets occur at random orientations throughout.		
<<Alt: 76.78 - 85		moderate White mica (Sericitite)>>
<<Alt: 76.78 - 85		weak Clay>> Intensity is moderate near fractures.
<<Alt: 76.78 - 85		moderate Ankerite>>
<<Vein: 78.68 - 78.69		Calcium carbonate/Carbonate 28 deg. >> Likely extensional.
<<Vein: 85.26 - 85.29		Quartz 15 deg. >> Extensional vein? The fluids have brecciated the wall rock, angular clasts.
<<Struc: 78.11 - 84.55		moderate Fractured>> A moderate to highly fractured zone, random orientations.
<<Struc: 84.8 - 84.97		weak Brecciated >> Intense crackle breccia with silica pods. Possibly accomodating a shear?
<<Struc: 84.97 - 85.06		strong shear>> Possible ductile shear zone (see photos).
<b>86.00</b>	<b>87.87</b>	<b>T1 Basalt green</b>
86 - 87.87: Green, slightly more coarse grain than some of the pillow basalts. Several calcite filled veinlets, possibly tension gashes throughout, most oriented ~70 degrees tca.		
<<Alt: 87.7 - 98.64		moderate Ankerite>>
<b>87.87</b>	<b>98.64</b>	<b>T2 Basalt - Altered grey</b>
87.87 - 98.64: Grey to buff highly altered, moderately to highly fractured basalt with pervasive carbonate and moderate ankerite alteration. This may be a pillow basalt. Trace pyrite occurs throughout.		
<<Min: 87.87 - 98.64		0.1% pyrite>> Trace throughout though abundance increases near the lower contact with the quartz vein.
<<Min: 92.64 - 99.05		0.2% tetrahedrite>> Stringer within vein near the lower contact.
<<Alt: 87.87 - 98.64		weak Fe-Carbonate>> Pervasive, focused near fractures.
<<Alt: 87.87 - 98.64		moderate Ankerite>>
<<Vein: 95.86 - 95.87		Calcium carbonate/Carbonate 36 deg. / Calcium carbonate/Carbonate 56 deg. >> Cross-cutting calcite veins
<<Struc: 87.87 - 98.64		strong Fractured>>
<b>98.64</b>	<b>99.05</b>	<b>T5 Quartz Vein</b>
98.64 - 99.05: Possibly a shear vein? Extensional vein originates from it. The vein contains minor tetrahedrite.		
<<Vein: 98.64 - 99.05		Quartz>> Likely a shear vein. Minor tetrahedrite within the vein.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
76.78	78.78	2.00	G277266	0.046	79	62	78	-2
78.78	81.00	2.22	G277267	0.018	76	61	89	-2
81.00	83.00	2.00	G277268	-0.005	56	62	100	-2
83.00	84.97	1.97	G277269	0.019	103	69	83	-2
84.97	86.00	1.03	G277271	0.018	66	48	80	-2
86.00	87.87	1.87	G277272	-0.005	6	72	86	-2
87.87	89.87	2.00	G277273	-0.005	6	70	96	-2
89.87	92.00	2.13	G277274	0.008	25	68	90	-2
92.00	94.00	2.00	G277276	-0.005	11	110	89	3
94.00	96.00	2.00	G277277	-0.005	29	76	91	-2
96.00	97.00	1.00	G277278	0.013	97	61	64	2
97.00	98.64	1.64	G277279	0.902	644	54	63	2
98.64	99.05	0.41	G277281	0.225	500	33	5	-2

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From (m) To (m) Rocktype & Description

**99.05 110.67 T2 Basalt - Altered grey**

99.05 - 110.67: Highly ankerite altered basalt cut by two quartz veins 100.80-100.88 and 101.3-101.5. Pyritohedrons occur from 99.05-101.42 comprising 3% of the rock. There are numerous zones of fault gouge, minor clay alteration occurs proximal to the fault and fracture zones.

- <<Min: 99.05 - 102.17 3% pyrite>> pyritohedrons
- <<Min: 102.17 - 110.67 0.1% pyrite>> Sparse, disseminated
- <<Alt: 99.05 - 110.67 weak Clay>> Strongest near fracture/fault zones.
- <<Alt: 99.05 - 110.67 strong Ankerite>> Strongest near the top of the section, near the quartz veins.
- <<Vein: 100.8 - 100.88 Quartz>> Highly fractured, neither vein type or angle tca can be deterimed.
- <<Vein: 101.3 - 101.5 Quartz>> Highly fractured so vein type and angle to core axis can't be determined.
- <<Vein: 106.23 - 106.26 Quartz 50 deg. >> Quartz vein, possibly extensional
- <<Struc: 105.8 - 106.34 moderate fault gouge>>
- <<Struc: 106.49 - 108.82 strong fault gouge>> Abundant fault gouge and poor recovery.

**110.67 116.61 T1F Magnetic/Jasper Pillow Basalt green**

110.67 - 116.61: Green pillow basalt with abundant chlorite and calcite between pillows. Calcite stringers occur parallel to pillows. The upper contact with T1 is gradational, ankerite alteration is weak but continues into the top of this unit.

- <<Min: 110.67 - 116.61 0.1% pyrite>> Sparse, euhedral pyrite.
- <<Alt: 110.67 - 111.23 weak Ankerite>> Ankerite alteration grades out away from the quartz veining.

**116.61 118.11 T2 Basalt - Altered**

116.61 - 118.11: Light grey highly ankerite altered basalt. The texture appears more coarse however it is the specks of ankerite throughout giving it this appearance. Trace pyrite occurs along microfractures toward the lower contact with a quartz vein.

- <<Min: 118 - 118.11 1% pyrite>>
- <<Alt: 116.64 - 118.11 strong Ankerite>> Specks throughout

**118.11 118.62 T5 Quartz Vein**

118.11 - 118.62: Large quartz vein that has been reactivated with later carbonate veining along margins. Possibly a shear vein, Stringers of graphitic(?) material occur within the vein. Trace arsenopyrite(?) or possibly tetrahedrite(?).

- <<Min: 118.11 - 118.62 0.1% tetrahedrite>>
- <<Vein: 118.11 - 118.62 Quartz-Carbonate 45 deg. >> Possibly a shear vein. Carbonate veining along reactivated vein margins.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
99.05	100.05	1.00	G277282	4.64	1470	114	33	2

100.05	101.17	1.12	G277283	1.26	769	36	42	-2
101.17	102.17	1.00	G277284	0.585	1175	69	57	-2
102.17	104.17	2.00	G277285	-0.005	57	43	80	-2
104.17	106.38	2.21	G277286	3.72	347	53	61	2
106.38	109.39	3.01	G277287	0.12	114	54	74	2
109.39	110.67	1.28	G277288	-0.005	37	54	90	2

110.67	112.67	2.00	G277289	-0.005	8	70	91	-2
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112.67	114.67	2.00	G277291	-0.005	-2	56	91	2
114.67	116.61	1.94	G277292	-0.005	2	57	88	-2
116.61	118.11	1.50	G277293	0.098	221	69	78	-2

118.11	118.63	0.52	G277294	0.034	51	2	20	-2
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From (m) To (m) Rocktype & Description

**118.62 138.66 T2 Basalt - Altered**

118.62 - 138.66: Grey to light grey-green ankerite altered pillow basalt with pervasive carbonate alteration throughout most of the unit. Quartz vein from 118.91-118.96 and 120.4-120.54 with pyrite along vein margins and within the wall rock surrounding the veins. Trace arsenopyrite along the vein margin. Much of the basalt has a crackle breccia texture with chlorite +/- silica forming the crackle breccia. Trace pyrite occurs between some pillows, associated with the chlorite. The lower contact with T1 basalt is gradational.

<<Min: 118.62 - 120.25 2% pyrite>>

<<Min: 120.25 - 138.66 0.1% pyrite>>

<<Min: 120.4 - 120.54 0.1% arsenopyrite>>

<<Alt: 118.62 - 138.66 moderate Fe-Carbonate>> Pervasive throughout

<<Alt: 118.62 - 138.66 moderate Ankerite>> Stronger alteration near the upper contact with the quartz vein.

<<Vein: 118.91 - 118.96 Quartz 45 deg. >> Likely an extensional vein with a slight fibrous texture perpendicular to vein margins. 85 tca upper contact 45 tca lower contact.

<<Vein: 120.4 - 120.54 Quartz>> Likely an extensional vein with a slight fibrous texture perpendicular to vein margins. There is a 2cm section of wall rock between two veins which have been grouped here. Trace arsenopyrite within,

<<Struc: 127.2 - 127.3 moderate Sheared 64 deg. >> Shear surface? With abundant carbonate alteration.

**138.66 140.88 T1F Magnetic/Jasper Pillow Basalt green**

138.66 - 140.88: Green basalt with slightly less alteration than the T1 above and below. Likely still pillow basalt. Moderately abundant, randomly oriented carbonate veinlets.

<<Alt: 138.66 - 140.88 moderate Fe-Carbonate>>

<<Alt: 138.66 - 140.88 weak Ankerite>>

**140.88 154.22 T2 Basalt - Altered grey**

140.88 - 154.22: Grey to light green moderately ankerite altered and pervasively carbonate altered basalt.

<<Alt: 140.88 - 154.22 moderate Fe-Carbonate>> Pervasive

<<Alt: 140.88 - 154.22 moderate Ankerite>>

**154.22 165.33 T7 Argillaceous Chert**

154.22 - 165.33: Highly fractured grey chert. Interbedded argillite/mudstone layers. The lower contact is a gradation to the unit being dominated by argillite with lesser chert.

<<Min: 154.22 - 165.33 0.1% pyrite>> Sparse, trace

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
118.63	120.25	1.62	G277295	0.923	1305	25	39	-2
120.25	122.00	1.75	G277296	-0.005	44	60	93	-2
122.00	124.00	2.00	G277297	-0.005	14	62	75	-2
124.00	126.00	2.00	G277298	-0.005	9	91	89	-2
126.00	128.00	2.00	G277299	-0.005	9	57	99	3
128.00	130.00	2.00	G277351	-0.005	4	59	92	-2
130.00	132.00	2.00	G277352	-0.005	-2	150	76	-2
132.00	134.00	2.00	G277353	-0.005	3	65	69	-2
134.00	136.00	2.00	G277354	-0.005	19	78	105	-2
136.00	138.66	2.66	G277355	-0.005	2	66	110	-2
138.66	140.88	2.22	G277356	-0.005	-2	83	97	-2
140.88	142.88	2.00	G277357	-0.005	3	59	94	-2
142.88	144.88	2.00	G277358	-0.005	14	68	93	-2
144.88	146.88	2.00	G277359	-0.005	7	65	94	-2
146.88	148.80	1.92	G277361	-0.005	18	61	106	-2
148.80	150.22	1.42	G277362	-0.005	50	58	96	-2
150.22	152.22	2.00	G277363	-0.005	49	64	99	-2
152.22	154.22	2.00	G277364	0.019	53	69	104	-2
154.22	156.22	2.00	G277365	0.005	8	47	45	4

## Drill Log

Project:

Cassiar

Hole Number:

TA12-10

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
		<<Struc: 154.22 - 154.22 upper contact 70 deg. >> Contact between the T2 basalt and the argillaceous chert.									
		<<Struc: 154.22 - 170 strong Fractured>> Abundant fracturing with minor fault gouge.									
		<b>165.33 177.51 T1 Basalt</b>									
		165.33 - 177.51: Dark green basalt with carbonate veinlets and a slight chlorite crackle breccia texture. Clay alteration in fault zones. Trace pyrite throughout. The lower contact with highly magnetic pillow basalt is obscured by a zone of abundant fault gouge.									
		<<Struc: 177.4 - 177.51 weak fault gouge>>									
		<b>177.51 185.62 T1F Magnetic/Jasper Pillow Basalt black</b>									
		177.51 - 185.62: Highly magnetic pillow basalt with carbonate veinlets. Chlorite and minor hematite occur between pillows.									
		<<Vein: 178.02 - 178.04 Calcite 65 deg. >> Late stage									
		<<Struc: 177.51 - 178.1 weak fault gouge>>									
		<b>End of Hole @ 185.62</b>									

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-11

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ryan Congdon
Grid:		Hole Diameter:	4 3/4	Survey By:	Ron Voordouw	Date Started:	04/07/2012
UTM Easting:	459995.52	Core Size:	NQ	Azimuth:	0	Date Completed:	05/07/2012
UTM Northing:	6570240.49	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1108.813	Casing Depth (m):		Length (m):	152.1	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title:		Drill Started:	03/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	04/07/2012
Local Elev. (m):							
Comments:							

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
8.8	-45.7	334	23.37	357.37	ReflexEZS		03/07/2012	5851	<input checked="" type="checkbox"/>	
54.8	-46.7	334.3	23.37	357.67	ReflexEZS		04/07/2012	5779	<input checked="" type="checkbox"/>	
106.4	-47.8	335.7	23.37	359.07	ReflexEZS		04/07/2012	5799	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME- ICP41	Zn ppm ME- ICP41	Pb ppm ME-
<b>0.00</b>	<b>5.60</b>	<b>OVB Overburden</b>									
0 - 5.6: Granite + basalt											
<b>5.60</b>	<b>8.30</b>	<b>T1 Basalt</b>	<b>green</b>	<b>FG</b>							
<<Min: 5.6 - 36.75 0.1% pyrite>>											
<<Vein: 7.8 - 7.82 Quartz 30 deg. >>											
<b>8.30</b>	<b>10.45</b>	<b>T2 Basalt - Altered</b>	<b>cream</b>	<b>FG</b>							
8.3 - 10.45: altered basalt however likely predominately bleached/clay alteration associated with calcite veining and fracturing.											
<<Alt: 8.3 - 10 moderate Clay>> clay may mask AK or be the primary mineralisation											
<<Alt: 8.3 - 10 moderate Ankerite>>											
<<Alt: 10.15 - 10.45 strong Clay>>											
<<Vein: 9.05 - 9.06 Quartz 45 deg. >>											
<<Struc: 9.8 - 9.8 fault 10 deg. >>											
<b>10.45</b>	<b>12.50</b>	<b>T1 Basalt</b>	<b>green</b>	<b>FG</b>							

# Drill Log

Project:

Cassiar

Hole Number:

TA12-11

From (m) To (m) Rocktype & Description

**12.50 13.15 T2 Basalt - Altered**

12.5 - 13.15: bleachedclay alt, thin qcv and qtz veining

<<Alt: 12.5 - 13.15 strong Clay>>

<<Alt: 12.5 - 13.15 moderate Ankerite>>

<<Vein: 13.03 - 13.15 Quartz 50 deg. >>

<<Struc: 12.9 - 12.9 contact 50 deg. >> vn+alteration boundary

**13.15 21.45 T1 Basalt**

13.15 - 21.45: moderate calcite veining

**21.45 27.45 T2 Basalt - Altered**

21.45 - 27.45: 5-10cm calcite breccia and veining.

<<Alt: 21.45 - 26.1 weak Clay>>

<<Alt: 21.45 - 26.1 moderate Ankerite>>

<<Alt: 26.3 - 27.45 moderate Clay>>

<<Alt: 26.3 - 27.45 moderate Ankerite>>

<<Vein: 24.6 - 24.63 Quartz 45 deg. >>

<<Struc: 22.4 - 22.47 Brecciated 45 deg. >> calcite

<<Struc: 23.5 - 23.5 Brecciated 50 deg. >> calcite

<<Struc: 26.1 - 26.1 contact 30 deg. >> alt boundary, qcv

**27.45 31.00 T1 Basalt**

<<Alt: 27.45 - 31 moderate Calcite>>

**31.00 41.10 T2 Basalt - Altered**

<<Min: 36.75 - 38.3 4% pyrite>>

<<Min: 38.3 - 40.3 0.1% pyrite>>

<<Min: 40.3 - 41.1 3% pyrite>>

<<Alt: 31 - 38.3 strong Ankerite>>

<<Alt: 38.3 - 40.3 moderate Ankerite>>

<<Alt: 40.3 - 41.1 strong Ankerite>>

<<Vein: 36.5 - 36.75 Quartz>>

cream

FG

green

FG

cream

FG

green

FG

grey

FG

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
12.50	13.15	0.65	G277306	0.053	70	93	177	-2
13.15	15.15	2.00	G277307	-0.005	36	73	59	-2
15.15	17.15	2.00	G277308	-0.005	35	65	70	-2
17.15	19.00	1.85	G277309	-0.005	32	68	73	-2
19.00	20.00	1.00	G277311	-0.005	44	68	109	-2
20.00	21.45	1.45	G277312	-0.005	57	71	125	-2
21.45	23.45	2.00	G277313	-0.005	58	50	113	2
23.45	25.45	2.00	G277314	0.012	303	63	114	-2
25.45	27.45	2.00	G277315	-0.005	13	65	122	-2
27.45	29.55	2.10	G277316	-0.005	14	62	114	-2
29.55	31.00	1.45	G277317	-0.005	7	59	112	-2
31.00	33.00	2.00	G277318	0.06	76	46	91	-2
33.00	35.00	2.00	G277319	0.013	97	90	109	2
35.00	36.50	1.50	G277321	0.082	606	47	90	-2
36.50	36.79	0.29	G277322	1.61	246	16	12	-2
36.79	38.30	1.51	G277323	4.18	706	82	66	-2
38.30	40.30	2.00	G277324	-0.005	84	75	92	-2
40.30	41.10	0.80	G277326	0.762	894	37	53	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-11

From (m) To (m) Rocktype & Description

<<Struc: 32.05 - 32.15 Brecciated 30 deg. >> calcite + brecciated qtz

**41.10 41.50 T5 Quartz Vein white**

41.1 - 41.5: pyrite bands and clusters. Lower margin As rich. Moderate calcite filled fractures. Possible shear vein.

<<Min: 41.1 - 41.5 6% pyrite>>

<<Vein: 41.1 - 41.11 Quartz 35 deg. >>

<<Vein: 41.1 - 41.5 Quartz 35 deg. >> weakly faulted, py banded

**41.50 42.20 T2 Basalt - Altered grey FG**

<<Min: 41.5 - 41.55 2% arsenopyrite>>

<<Min: 41.5 - 44.4 3% pyrite>>

<<Alt: 41.5 - 42.2 strong Ankerite>>

**42.20 42.65 T5 Quartz Vein white**

42.2 - 42.65: thin (2-5mm) py bands and calcite veins (1-2cm) (EXT)

<<Vein: 42.2 - 42.24 Calcite 35 deg. >> late vuggy calcite vein thru Qtz vein

<<Vein: 42.2 - 42.65 Quartz 30 deg. >> weakly faulted, py banded

<<Vein: 42.56 - 42.59 Calcite 35 deg. >> late vuggy calcite vein thru Qtz vein

**42.65 51.80 T2 Basalt - Altered grey FG**

42.65 - 51.8: gradational boundary, weakening Ak alt downhole.

<<Min: 42.65 - 44 0.5% arsenopyrite>> 43.8-44.0m minor coarse As needle crystals

<<Min: 44.4 - 56.15 0.1% pyrite>>

<<Alt: 42.65 - 44.4 strong Ankerite>>

<<Alt: 44.4 - 51.8 moderate Ankerite>>

<<Vein: 49.5 - 49.51 Quartz 40 deg. >>

<<Vein: 51.45 - 51.47 Quartz 30 deg. >>

**51.80 56.15 T1 Basalt grey-green FG**

51.8 - 56.15: weak spotty Ak

<<Alt: 51.8 - 56.15 weak Ankerite>>

<<Alt: 52.5 - 56 weak Calcite>>

<<Vein: 54.05 - 54.06 Quartz 25 deg. >>

**56.15 56.90 T2 Basalt - Altered grey FG**

<<Min: 56.15 - 57.55 2% pyrite>>

<<Min: 56.6 - 57.55 2% arsenopyrite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
41.10	41.50	0.40	G277327	19.65	10000.1	7	19	-2
41.50	42.20	0.70	G277328	0.32	350	42	50	-2
42.20	42.65	0.45	G277329	0.968	2830	6	11	-2
42.65	44.40	1.75	G277331	0.401	736	48	50	2
44.40	46.00	1.60	G277332	-0.005	75	55	97	-2
46.00	48.00	2.00	G277333	-0.005	33	66	105	-2
48.00	50.00	2.00	G277334	-0.005	12	39	87	-2
50.00	51.80	1.80	G277335	-0.005	-2	8	67	-2
51.80	53.00	1.20	G277336	-0.005	4	51	95	-2
53.00	55.00	2.00	G277337	-0.005	3	56	106	-2
55.00	56.15	1.15	G277338	-0.005	27	53	116	-2
56.15	56.90	0.75	G277339	1.545	5360	39	73	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-11

From (m) To (m) Rocktype & Description

<<Alt: 56.15 - 56.9 moderate Ankerite>>

**56.90 57.20 T5 Quartz Vein white**

56.9 - 57.2: Extensional vein. Fine grained As in wall rock margins.

<<Vein: 56.9 - 57.2 Quartz 30 deg. >>

**57.20 73.15 T2 Basalt - Altered grey-green FG**

57.2 - 73.15: Locally weakly Ak altered. (58-64.4m weak). Mineralisation associated with margins of qtz veins

<<Min: 57.65 - 67.4 0.1% pyrite>>

<<Min: 67.4 - 72.85 0.5% pyrite>>

<<Min: 67.5 - 68.2 2% arsenopyrite>> +broken qtz vn

<<Min: 69.53 - 69.54 0.1% sphalerite>> 1-2mm cluster in ext qtz vn

<<Min: 69.53 - 69.54 0.1% chalcopryite>> 1-2mm cluster in ext qtz vn

<<Min: 72.85 - 73.15 2% pyrite>>

<<Alt: 57.2 - 67.4 moderate Ankerite>>

<<Alt: 67.4 - 73.15 strong Ankerite>>

<<Vein: 60.9 - 61 Quartz 25 deg. >> qtz+calcite stingers, fractured+minor Tourmaline

<<Vein: 61 - 61.5 Quartz 10 deg. >> cut by previous vein

<<Vein: 69.53 - 69.54 Quartz 50 deg. >> trace SP and CP

<<Vein: 70.2 - 70.21 Quartz 50 deg. >>

<<Vein: 70.8 - 71 Quartz 30 deg. >>

<<Struc: 67.15 - 67.25 Brecciated >> T2 .5-1cm clasts with clay infill

**73.15 75.45 CV Carbonate Vein white**

73.15 - 75.45: Strongly brecciated. Clasts of qtz vein (1-5cm) sub-angular and lesser T2 clasts, with calcite breccia matrix and extensional 1-5cm calcite veins. 73.60-73.70m qtz vein zone. 75-75.45m majority quartz breccia zone.

<<Min: 73.15 - 75.45 0.5% pyrite>> locally in bxd zones

<<Vein: 73.15 - 75 Calcite 35 deg. >>

<<Vein: 75.1 - 75.45 Quartz 40 deg. >> brecciated QV

<<Struc: 73.15 - 75.45 Brecciated 35 deg. >>

**75.45 75.80 T2 Basalt - Altered grey FG**

75.45 - 75.8: gradational lwr boundary.

<<Min: 75.45 - 76.1 2% pyrite>>

<<Min: 75.45 - 76.1 2% arsenopyrite>>

<<Alt: 75.45 - 75.8 strong Ankerite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
56.90	57.20	0.30	G277341	0.204	1130	9	78	-2
57.20	57.60	0.40	G277342	0.376	2370	67	70	-2
57.60	59.60	2.00	G277343	-0.005	107	48	103	-2
59.60	60.80	1.20	G277344	-0.005	115	43	102	-2
60.80	61.50	0.70	G277345	0.04	82	816	286	-2
61.50	63.50	2.00	G277346	0.075	75	50	92	-2
63.50	65.50	2.00	G277347	-0.005	23	47	100	-2
65.50	67.40	1.90	G277348	-0.005	44	46	89	-2
67.40	68.30	0.90	G277349	0.431	4040	33	62	-2
68.30	69.50	1.20	G277366	0.152	1595	44	69	2
69.50	70.70	1.20	G277367	0.014	95	55	81	-2
70.70	71.10	0.40	G277368	0.037	68	18	46	-2
71.10	72.80	1.70	G277369	-0.005	51	48	88	2
72.80	73.15	0.35	G277371	1.005	274	19	53	2
73.15	75.45	2.30	G277372	0.287	943	2	5	-2
75.45	75.80	0.35	G277373	0.289	3920	59	95	-2



# Drill Log

Project:

Cassiar

Hole Number:

TA12-11

From (m) To (m) Rocktype & Description

**75.80 84.30 T1 Basalt**

**grey-green FG**

<<Min: 75.8 - 86.5 0.5% pyrite>>  
<<Alt: 75.8 - 84.3 moderate Calcite>>

**84.30 89.60 T2 Basalt - Altered**

**grey FG**

<<Min: 84.3 - 86.5 0.1% arsenopyrite>> associated with thin (1cm) ext vein margins (1cm fg halo) and patchy diss (86.7-86.8m)

<<Min: 86.5 - 87.35 4% pyrite>> medium grained

<<Min: 86.5 - 87.35 2% arsenopyrite>> disseminated in wall rock and intense of vein margins and minor bands (86.9-87.1)

<<Min: 87.35 - 89.6 0.5% pyrite>>

<<Alt: 84.3 - 88.1 strong Ankerite>>

<<Alt: 88.1 - 89.6 moderate Ankerite>>

<<Alt: 89 - 95.55 moderate Calcite>>

<<Vein: 85 - 85.01 Quartz 50 deg. >>

<<Vein: 86.45 - 86.46 Quartz 40 deg. >> Fine As halo, also 8mm breccia associated with veining (several) in this unit.

<<Vein: 86.9 - 86.93 Quartz 50 deg. >>

<<Vein: 86.9 - 87.1 Quartz 50 deg. >> As forming halo and minor thin (1mm) bands. Lwr contact exhibits possible ext texture. Upper is and banded.

<<Vein: 87.25 - 87.26 Quartz 50 deg. >>

<<Vein: 87.8 - 87.81 Quartz 60 deg. >>

**89.60 95.55 T1F Magnetic/Jasper Pillow Basalt green**

**FG**

89.6 - 95.55: pillow basalt

**95.55 98.45 T2 Basalt - Altered**

**grey-green FG**

95.55 - 98.45: Purple tinge and pyrite forming along fractures and clusters.

<<Min: 96.05 - 98.45 2% pyrite>> banded and fracture associated

<<Alt: 95.55 - 96.05 moderate Ankerite>>

<<Alt: 96.05 - 98.45 strong Ankerite>>

<<Vein: 97.5 - 97.53 Quartz 30 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
75.80	77.80	2.00	G277374	-0.005	14	61	101	-2
77.80	79.80	2.00	G277376	-0.005	5	65	95	-2
79.80	81.80	2.00	G277377	-0.005	9	62	108	-2
81.80	83.30	1.50	G277378	-0.005	22	57	107	-2
83.30	84.30	1.00	G277379	-0.005	56	59	113	-2
84.30	86.30	2.00	G277381	0.253	1640	52	86	-2
86.30	87.35	1.05	G277382	2.01	10000. 1	26	52	-2
87.35	88.10	0.75	G277383	0.366	339	49	74	-2
88.10	89.60	1.50	G277384	-0.005	65	56	109	-2
89.60	91.60	2.00	G277385	-0.005	8	62	117	-2
91.60	93.60	2.00	G277386	-0.005	7	56	113	-2
93.60	95.55	1.95	G277387	-0.005	2	66	106	-2
95.55	96.05	0.50	G277388	-0.005	37	65	105	-2
96.05	97.00	0.95	G277389	0.789	541	33	66	-2
97.00	98.45	1.45	G277391	1.2	1440	54	90	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-11

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Struc: 97.18 - 97.2 fault 40 deg. >>											
98.45	103.65	<b>T1 Basalt</b>	98.45	100.45	2.00	G277392	-0.005	11	62	101	-2
98.45 - 103.65: moderately gradual contacts.											
<<Alt: 103.3 - 103.65 weak Ankerite>>											
<<Struc: 98.9 - 99 Sheared 30 deg. >> basalt interbed?											
103.65	139.50	<b>T2 Basalt - Altered</b>	103.65	104.60	0.95	G277395	0.725	536	66	53	-2
103.65 - 139.5: In parts relict pillow textures remain locally preferably mineralised with fine As +Py (105m). Multiple veins with abundant fine to coarse As+Py mineralised margins.											
<<Min: 103.65 - 105.3 4% pyrite>> coarse euhedral+fracture related (propagating along fracture)											
<<Min: 104.6 - 105.3 3% arsenopyrite>> finely diss+forming along fractures and also conc. In poss pillow junction											
<<Min: 105.3 - 110 0.5% pyrite>>											
<<Min: 110 - 110.35 4% pyrite>>											
<<Min: 110.35 - 113.8 0.5% pyrite>>											
<<Min: 110.7 - 110.95 0.5% arsenopyrite>> associated with vein											
<<Min: 113.8 - 114.7 0.1% arsenopyrite>>											
<<Min: 113.8 - 114.7 3% pyrite>> also forming clusters and bands (.5-1cm) near vein margins.											
<<Min: 113.95 - 114.2 15% arsenopyrite>> intense fine As 1-2cm envelope around vein.											
<<Min: 114.7 - 116.1 0.5% pyrite>>											
<<Min: 116.1 - 117.55 10% pyrite>> coarse grained, fine grained disseminated and locally forming semi-massive clots (1-2cm) associated with veining and faulting.											
<<Min: 116.1 - 117.55 0.1% tetrahedrite>> difficult to distinguish											
<<Min: 116.1 - 117.55 2% arsenopyrite>> coarse to fine grained, most intense around veining, similar to Py											
<<Min: 117.55 - 118.9 1% pyrite>>											
<<Min: 118.9 - 119.1 4% arsenopyrite>>											
<<Min: 118.9 - 119.1 15% pyrite>>											
<<Min: 119.1 - 121.75 0.5% pyrite>>											
104.60	105.30		104.60	105.30	0.70	G277396	4.81	10000.1	42	60	-2
105.30	107.30		105.30	107.30	2.00	G277397	0.021	69	50	132	-2
107.30	109.00		107.30	109.00	1.70	G277398	0.007	73	49	131	-2
109.00	109.80		109.00	109.80	0.80	G277399	0.666	152	61	112	-2
109.80	111.00		109.80	111.00	1.20	G277401	6.38	794	64	85	-2
111.00	113.00		111.00	113.00	2.00	G277402	0.034	133	56	128	-2
113.00	113.80		113.00	113.80	0.80	G277403	0.14	872	49	104	-2
113.80	114.70		113.80	114.70	0.90	G277404	2.05	10000.1	36	84	-2
114.70	116.00		114.70	116.00	1.30	G277405	0.037	142	42	118	-2
116.00	116.60		116.00	116.60	0.60	G277406	23.7	10000.1	18	42	2
116.60	117.60		116.60	117.60	1.00	G277407	-0.005	10000.1	25	40	5
117.60	118.90		117.60	118.90	1.30	G277408	0.497	806	16	68	-2
118.90	119.50		118.90	119.50	0.60	G277409	3.1	10000.1	19	63	5
119.50	121.75		119.50	121.75	2.25	G277411	-0.005	48	50	123	-2
121.75	122.50		121.75	122.50	0.75	G277412	1.18	3350	41	76	-2
122.50	124.50		122.50	124.50	2.00	G277413	-0.005	34	44	128	-2
124.50	125.75		124.50	125.75	1.25	G277414	0.014	42	57	122	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-11

From (m) To (m) Rocktype & Description

<<Min: 121.75 - 131.2 1% pyrite>>

<<Min: 121.75 - 139.5 0.5% arsenopyrite>> Also forming 1cm intense fine grained mineralised halos around veins (sub-para). This As 'alteration' halo also takes advantage of radiating fractures from veins. Is this a later stage min? Py also focusing on fractures in lower units of this hole.

<<Min: 131.2 - 131.7 10% pyrite>>

<<Min: 131.7 - 139.5 1% pyrite>>

<<Alt: 103.65 - 105.3 strong Ankerite>>

<<Alt: 105.3 - 107.8 moderate Ankerite>>

<<Alt: 107.8 - 119.5 strong Ankerite>>

<<Alt: 116.1 - 118.9 weak Graphite>> crackle texture'

<<Alt: 119.5 - 121.75 moderate Ankerite>>

<<Alt: 121.75 - 137.25 strong Ankerite>>

<<Alt: 130.7 - 135.9 weak Graphite>> 'crackle texture'

<<Alt: 137.25 - 137.55 weak Ankerite>>

<<Alt: 137.55 - 139.5 strong Ankerite>>

<<Vein: 104.4 - 104.42 Quartz 55 deg. >>

<<Vein: 109.25 - 109.29 Quartz 40 deg. >>

<<Vein: 110 - 110.05 Quartz 50 deg. >>

<<Vein: 110.75 - 110.9 Quartz 30 deg. >>

<<Vein: 114.05 - 114.06 Quartz 25 deg. >> intense As.

<<Vein: 116.25 - 116.29 Quartz 50 deg. >> py+as, mineralisation (globsof py), + intense fine py+as margin

<<Vein: 118.95 - 118.96 Quartz 50 deg. >> clusters py (3cm) halo, 20%. Irregular vein margin.

<<Vein: 122.05 - 122.15 Quartz 40 deg. >>

<<Vein: 125.8 - 125.83 Quartz 43 deg. >>

<<Vein: 126.1 - 126.11 Quartz 40 deg. >>

<<Vein: 127.75 - 127.93 Quartz 50 deg. >>

<<Vein: 131.3 - 131.5 Quartz 40 deg. >> clusters of py on margin and internally.

<<Vein: 133.41 - 133.42 Quartz 35 deg. >>

<<Vein: 136 - 136.04 Quartz 65 deg. >>

<<Vein: 136.25 - 136.26 Quartz 40 deg. >> intense as(arsenopyrite) halo

<<Vein: 139.3 - 139.31 Quartz 45 deg. >> As halo (.5cm)

<<Struc: 117.15 - 117.2 fault breccia 40 deg. >> calcite vein brecciaa

**139.50 143.95 T1**

**Basalt**

**green**

**FG**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
125.75	127.50	1.75	G277415	0.031	116	35	115	-2
127.50	128.20	0.70	G277416	0.831	871	24	66	-2

128.20	130.20	2.00	G277417	1.775	136	40	105	-2
130.20	131.20	1.00	G277418	0.018	123	30	128	-2
131.20	131.80	0.60	G277419	4.14	10000. 1	17	44	3

131.80	133.80	2.00	G277421	0.504	2130	32	94	2
133.80	135.90	2.10	G277422	0.025	136	43	116	-2
135.90	136.40	0.50	G277423	0.629	8450	13	75	-2
136.40	138.40	2.00	G277424	0.167	334	64	131	2
138.40	139.50	1.10	G277426	0.016	164	61	78	-2

139.50	141.50	2.00	G277427	-0.005	34	68	116	3
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-11

From (m) To (m) Rocktype & Description

<<Min: 139.5 - 145.3 1% pyrite>>

**143.95 145.30 FLT Fault, Fault Zone grey FG**

143.95 - 145.3: Broken and fractured weak T2. Locally brecciated and clay altered. Last 10cm leading to bottom of unit is sheared and chloritic surface. Marks sharp contact to cherty unit below.

<<Alt: 143.95 - 145.3 weak Clay>>

<<Alt: 143.95 - 145.3 weak Ankerite>>

<<Struc: 143.95 - 144 fault breccia 40 deg. >> calcite veining

<<Struc: 145.25 - 145.3 Sheared 50 deg. >> contact shz to chert unit.

**145.30 152.10 5B Chert grey FG**

145.3 - 152.1: Highly broken sedimentary unit. Last two drill runs (146-152.1m) low recovery, cave in and difficulty drilling. Minor slip planes. Predominately chert with minor bands of more mudstone composition.

<<Min: 145.3 - 152.1 0.1% pyrite>>

**End of Hole @ 152.1**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
141.50	142.95	1.45	G277428	-0.005	3	46	127	-2
142.95	143.95	1.00	G277429	-0.005	7	87	106	-2
143.95	145.30	1.35	G277431	0.014	192	60	84	-2

145.30	146.30	1.00	G277432	0.132	42	44	36	3
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# Drill Log

**Project:** Cassiar **Hole Number:** TA12-12

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Margot McKeown
Grid:		Hole Diameter:	4 3/4	Survey By:	Ron Voordouw	Date Started:	06/07/2012
UTM Easting:	459976.3	Core Size:	NQ	Azimuth:	0	Date Completed:	07/07/2012
UTM Northing:	6570294.95	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1110.518	Casing Depth (m):	6.1	Length (m):	164.29	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title:		Drill Started:	04/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	05/07/2012
Local Elev. (m):							

**Comments:**

test continuity in 88 Hill/Sable Gap and 25 m below the 32.7 g/t Au hit in T95-75

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
17.98	-45.3	336.2	23.37	359.57	EZShot		05/07/2012	5827	<input checked="" type="checkbox"/>	
63.7	-44.7	338.3	23.37	1.67	EZShot		05/07/2012	5766	<input checked="" type="checkbox"/>	
112.47	-45.1	341.4	23.37	4.77	EZShot		06/07/2012	5769	<input checked="" type="checkbox"/>	
164.29	-45	344	23.37	7.37	EZShot		06/07/2012	5742	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ICP41	Pb ppm ME-
<b>0.00</b>	<b>6.10</b>	<b>OVB Overburden</b>									
<b>6.10</b>	<b>8.85</b>	<b>OVB Overburden</b>									
6.1 - 8.85: Ferricrete.											
<b>8.85</b>	<b>14.95</b>	<b>T2 Basalt - Altered light grey</b>	8.85	10.23	1.38	G277433	0.44	53	45	93	3
8.85 - 14.95: Highly ankerite altered basalt with several quartz-graphite(?) veins that have been reactivated with later carbonate veins along the margins.											
<<Min: 11.36 - 14.95 0.1% pyrite>> Trace, disseminated											
<<Min: 11.36 - 14.95 0.1% arsenopyrite>> Trace, fine disseminated.											
<<Alt: 8.85 - 14.95 weak Fe-Carbonate>> Carbonate alteration is pervasive in zones, otherwise in microfractures.											
<<Alt: 8.85 - 14.95 moderate Ankerite>> Intensity varies from weak to moderate.											
<<Vein: 9.03 - 9.035 Quartz-Carbonate 30 deg. >> Extensional quartz vein (vuggy) with carbonaceous stringers within the vein.											
<<Vein: 10.23 - 10.44 Quartz 55 deg. >> Quartz-graphite(?) vein, likely extensional with margins that have been reactivated with calcite.											
			10.23	11.36	1.13	G277434	0.029	18	12	81	2
			11.36	13.74	2.38	G277435	0.008	16	54	111	-2
			13.74	14.95	1.21	G277436	0.042	16	44	97	2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-12

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-	
<<Vein: 11.26 - 11.36 Quartz-Ankerite 48 deg. >>		Likely an extensional vein with crisp margins.										
<<Vein: 14.11 - 14.13 Quartz 40 deg. >>												
<b>14.95</b>	<b>18.38</b>	<b>T1 Basalt</b>	<b>green</b>	14.95	16.90	1.95	G277437	0.016	9	69	109	3
14.95 - 18.38: Green basalt with pervasive carbonate alteration.												
<<Alt: 14.95 - 18.38 moderate Calcite>>												
<<Struc: 16.9 - 20.38 weak fault gouge>>		Minor fault gouge.										
<b>18.38</b>	<b>18.82</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	16.90	18.38	1.48	G277438	-0.005	9	47	107	3
18.38 - 18.82: Bleached basalt with pervasive carbonate alteration and moderate ankerite alteration.												
<<Min: 18.38 - 18.82 0.1% arsenopyrite>>		Sparse.										
<<Alt: 18.38 - 18.82 strong Calcite>>		Pervasive										
<<Alt: 18.38 - 18.82 moderate Ankerite>>												
<b>18.82</b>	<b>29.95</b>	<b>T1 Basalt</b>	<b>green</b>	18.38	18.82	0.44	G277439	0.006	28	81	84	-2
18.82 - 29.95: Green basalt with pervasive carbonate alteration and numerous, late stage carbonate or quartz-carbonate shear veins up to 3cm in width.												
<<Alt: 18.82 - 29.95 strong Calcite>>		Pervasive										
<<Vein: 21.7 - 21.85 Calcite 0 deg. >>		Likely shear vein. Oriented parallel to core axis.										
<<Vein: 22.27 - 22.32 Calcite 40 deg. >>												
<b>18.82</b>	<b>29.95</b>	<b>T1 Basalt</b>	<b>green</b>	18.82	20.82	2.00	G277441	-0.005	21	56	111	-2
18.82 - 29.95: Green basalt with pervasive carbonate alteration and numerous, late stage carbonate or quartz-carbonate shear veins up to 3cm in width.												
<<Alt: 18.82 - 29.95 strong Calcite>>		Pervasive										
<<Vein: 21.7 - 21.85 Calcite 0 deg. >>		Likely shear vein. Oriented parallel to core axis.										
<<Vein: 22.27 - 22.32 Calcite 40 deg. >>												
<b>29.95</b>	<b>35.99</b>	<b>T2 Basalt - Altered</b>	<b>grey-green</b>	20.82	23.00	2.18	G277442	-0.005	21	54	102	-2
29.95 - 35.99: Light grey to green-grey moderately ankerite basalt. Clay alteration is associated with abundant fracture zones. Two extensional(?) veins: quartz-dolomite 31.14-31.16m, carbonate 32.81-32.83m.												
<<Alt: 29.95 - 35.99 moderate Ankerite>>												
<<Vein: 31.14 - 31.16 Quartz-Dolomite 50 deg. >>		Likely extensional										
<<Vein: 32.81 - 32.83 Calcite 53 deg. >>		Possibly extensional.										
<<Struc: 33.37 - 35 moderate Fractured>>		Abundant fractures, minor fault gouge.										
<b>35.99</b>	<b>38.49</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	23.00	25.00	2.00	G277443	-0.005	11	61	111	3
35.99 - 38.49: Light grey to faint purple highly altered basalt(?), alteration has obliterated primary textures. Pervasive ankerite and sericite alteration. Two quartz veins 36.43-36.44 and 36.68-36.77m.												
<<Min: 35.99 - 36.8 2% pyrite>>		Blebbly pyrite particularly abundant near the quartz vein.										
<<Min: 36.56 - 36.8 0.1% tetrahedrite>>		Trace, within the vein.										
<<Min: 37.65 - 38.49 0.1% arsenopyrite>>		trace, fine disseminated.										
<b>35.99</b>	<b>38.49</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	25.00	27.00	2.00	G277444	-0.005	12	49	110	2
35.99 - 38.49: Light grey to faint purple highly altered basalt(?), alteration has obliterated primary textures. Pervasive ankerite and sericite alteration. Two quartz veins 36.43-36.44 and 36.68-36.77m.												
<<Min: 35.99 - 36.8 2% pyrite>>		Blebbly pyrite particularly abundant near the quartz vein.										
<<Min: 36.56 - 36.8 0.1% tetrahedrite>>		Trace, within the vein.										
<<Min: 37.65 - 38.49 0.1% arsenopyrite>>		trace, fine disseminated.										
<b>35.99</b>	<b>38.49</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	27.00	28.50	1.50	G277445	-0.005	19	62	110	2
35.99 - 38.49: Light grey to faint purple highly altered basalt(?), alteration has obliterated primary textures. Pervasive ankerite and sericite alteration. Two quartz veins 36.43-36.44 and 36.68-36.77m.												
<<Min: 35.99 - 36.8 2% pyrite>>		Blebbly pyrite particularly abundant near the quartz vein.										
<<Min: 36.56 - 36.8 0.1% tetrahedrite>>		Trace, within the vein.										
<<Min: 37.65 - 38.49 0.1% arsenopyrite>>		trace, fine disseminated.										
<b>35.99</b>	<b>38.49</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	28.50	29.95	1.45	G277446	-0.005	7	55	118	2
35.99 - 38.49: Light grey to faint purple highly altered basalt(?), alteration has obliterated primary textures. Pervasive ankerite and sericite alteration. Two quartz veins 36.43-36.44 and 36.68-36.77m.												
<<Min: 35.99 - 36.8 2% pyrite>>		Blebbly pyrite particularly abundant near the quartz vein.										
<<Min: 36.56 - 36.8 0.1% tetrahedrite>>		Trace, within the vein.										
<<Min: 37.65 - 38.49 0.1% arsenopyrite>>		trace, fine disseminated.										
<b>35.99</b>	<b>38.49</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	29.95	32.00	2.05	G277447	0.081	73	56	101	2
35.99 - 38.49: Light grey to faint purple highly altered basalt(?), alteration has obliterated primary textures. Pervasive ankerite and sericite alteration. Two quartz veins 36.43-36.44 and 36.68-36.77m.												
<<Min: 35.99 - 36.8 2% pyrite>>		Blebbly pyrite particularly abundant near the quartz vein.										
<<Min: 36.56 - 36.8 0.1% tetrahedrite>>		Trace, within the vein.										
<<Min: 37.65 - 38.49 0.1% arsenopyrite>>		trace, fine disseminated.										
<b>35.99</b>	<b>38.49</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	32.00	34.00	2.00	G277448	0.138	49	56	100	2
35.99 - 38.49: Light grey to faint purple highly altered basalt(?), alteration has obliterated primary textures. Pervasive ankerite and sericite alteration. Two quartz veins 36.43-36.44 and 36.68-36.77m.												
<<Min: 35.99 - 36.8 2% pyrite>>		Blebbly pyrite particularly abundant near the quartz vein.										
<<Min: 36.56 - 36.8 0.1% tetrahedrite>>		Trace, within the vein.										
<<Min: 37.65 - 38.49 0.1% arsenopyrite>>		trace, fine disseminated.										
<b>35.99</b>	<b>38.49</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	34.00	35.99	1.99	G277449	-0.005	61	55	108	3
35.99 - 38.49: Light grey to faint purple highly altered basalt(?), alteration has obliterated primary textures. Pervasive ankerite and sericite alteration. Two quartz veins 36.43-36.44 and 36.68-36.77m.												
<<Min: 35.99 - 36.8 2% pyrite>>		Blebbly pyrite particularly abundant near the quartz vein.										
<<Min: 36.56 - 36.8 0.1% tetrahedrite>>		Trace, within the vein.										
<<Min: 37.65 - 38.49 0.1% arsenopyrite>>		trace, fine disseminated.										
<b>35.99</b>	<b>38.49</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	35.99	36.80	0.81	G277451	1.29	409	37	60	3
35.99 - 38.49: Light grey to faint purple highly altered basalt(?), alteration has obliterated primary textures. Pervasive ankerite and sericite alteration. Two quartz veins 36.43-36.44 and 36.68-36.77m.												
<<Min: 35.99 - 36.8 2% pyrite>>		Blebbly pyrite particularly abundant near the quartz vein.										
<<Min: 36.56 - 36.8 0.1% tetrahedrite>>		Trace, within the vein.										
<<Min: 37.65 - 38.49 0.1% arsenopyrite>>		trace, fine disseminated.										
<b>35.99</b>	<b>38.49</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	36.80	38.49	1.69	G277452	0.061	112	54	82	2
35.99 - 38.49: Light grey to faint purple highly altered basalt(?), alteration has obliterated primary textures. Pervasive ankerite and sericite alteration. Two quartz veins 36.43-36.44 and 36.68-36.77m.												
<<Min: 35.99 - 36.8 2% pyrite>>		Blebbly pyrite particularly abundant near the quartz vein.										
<<Min: 36.56 - 36.8 0.1% tetrahedrite>>		Trace, within the vein.										
<<Min: 37.65 - 38.49 0.1% arsenopyrite>>		trace, fine disseminated.										

# Drill Log

Project:

Cassiar

Hole Number:

TA12-12

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Alt: 35.99 - 38.49 moderate White mica (Sericite)>>											
<<Alt: 35.99 - 38.49 strong Ankerite>>											
<<Vein: 36.43 - 36.44 Quartz 22 deg. >> Likely an extensional vein, undulating margins.											
<<Vein: 36.68 - 36.77 Quartz-Dolomite 40 deg. >> Possible shear vein with banding. The vein is dominated by quartz with lesser creamy colored dolomite and minor green sericite. Trace tetrahedrite(?) within the vein.											
<<Vein: 37.74 - 37.76 Quartz 35 deg. >>											
<b>38.49</b>	<b>45.08</b>	<b>T1 Basalt green</b>	38.49	40.49	2.00	G277453	0.014	59	51	102	2
38.49 - 45.08: Green basalt with pervasive carbonate alteration and a late stage calcite vein from 40.02-40.24m. Moderately abundant, late brittle movement.											
<<Alt: 38.49 - 45.58 moderate Calcite>>			40.49	42.50	2.01	G277454	-0.005	22	65	114	4
<<Vein: 40.02 - 40.24 Calcite 50 deg. >> Slightly banded, late calcite vein.			42.50	44.50	2.00	G277455	-0.005	8	57	106	2
<<Struc: 38.49 - 38.49 contact 3 deg. >> Lower contact with basalt is likely just a change in alteration.			44.50	46.58	2.08	G277456	-0.005	5	55	107	2
<b>45.08</b>	<b>76.97</b>	<b>T2 Basalt - Altered light grey</b>	46.58	48.46	1.88	G277457	-0.005	49	51	107	2
45.08 - 76.97: Light grey ankerite altered basalt with several quartz veins some with sulphides within the vein and wall rock.											
<<Min: 52.1 - 52.24 0.1% arsenopyrite>>			48.46	50.50	2.04	G277458	0.017	362	54	116	2
<<Min: 60.71 - 61.3 5% pyrite>> Disseminated and blebby			50.50	52.00	1.50	G277459	0.012	157	51	116	-2
<<Min: 60.71 - 61.3 0.5% arsenopyrite>> Very fine disseminated			52.00	52.50	0.50	G277461	0.159	3340	656	72	-2
<<Min: 66.3 - 67 0.1% arsenopyrite>> Associated with a quartz vein			52.50	54.50	2.00	G277462	0.04	116	29	72	-2
<<Min: 71.64 - 72.54 8% pyrite>> Coarse pyrite associated with the quartz vein			54.50	56.50	2.00	G277463	-0.005	59	68	101	-2
<<Min: 71.64 - 72.54 0.5% arsenopyrite>> Very fine, disseminated associated with the quartz vein.			56.50	57.61	1.11	G277464	-0.005	42	39	91	-2
<<Min: 75 - 75.5 5% pyrite>> Coarse disseminated, associated with quartz vein.			57.61	59.60	1.99	G277465	-0.005	13	43	106	-2
<<Min: 75 - 75.5 1% arsenopyrite>> Fine disseminated associated with the quartz vein. Focused along micro-fractures.			59.60	60.71	1.11	G277466	0.147	1680	49	88	-2
<<Vein: 45.1 - 45.13 Calcite 30 deg. >>			60.71	61.30	0.59	G277467	1.27	4600	17	28	-2
<<Vein: 50.56 - 50.58 Quartz 38 deg. >> Likely extensional			61.30	62.30	1.00	G277468	0.034	98	52	90	-2
<<Vein: 52.1 - 52.24 Quartz 60 deg. >>			62.30	64.30	2.00	G277469	-0.005	39	54	108	-2
<<Vein: 53.52 - 53.62 Quartz 48 deg. >> Extensional, vuggy quartz vein with minor green sericite. No sulphides associate with it.			64.30	66.30	2.00	G277471	-0.005	66	46	103	-2
<<Vein: 56.8 - 56.87 Quartz 20 deg. >>			66.30	68.30	2.00	G277472	0.061	601	50	92	-2
<<Vein: 56.97 - 57 Quartz 45 deg. >>			68.30	70.00	1.70	G277473	-0.005	56	53	102	-2
<<Vein: 57.13 - 57.16 Quartz 40 deg. >>			70.00	71.64	1.64	G277474	-0.005	62	52	105	-2
<<Vein: 60.74 - 60.76 Quartz 35 deg. >> Extensional vein with coarse pyrite.			71.64	72.54	0.90	G277476	9.49	8430	31	40	-2
<<Vein: 60.97 - 61.11 Quartz-Carbonate>> Early stage quartz vein reactivated with late carbonate. Blebby pyrite occurs within the vein.			72.54	73.74	1.20	G277477	0.071	106	59	105	-2
<<Vein: 66.75 - 66.78 Quartz 38 deg. >> Trace disseminated arsenopyrite along vein margins.			73.74	75.00	1.26	G277478	0.12	96	44	96	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-12

From (m) To (m) Rocktype & Description

<<Vein: 72.08 - 72.15 Quartz-Pyrite 55 deg. >> Likely a shear vein. Coarse pyrite within the vein and along vein margins along with fine disseminated arsenopyrite.

<<Vein: 75.08 - 75.16 Quartz 50 deg. >> Extensional quartz vein.

<<Vein: 75.22 - 75.35 Quartz 40 deg. >> Extensional quartz vein with pyrite and arsenopyrite along margins and within the wall rock.

**76.97 85.15 T1 Basalt green**

76.97 - 85.15: Green basalt with a quartz vein.

<<Min: 76.97 - 85.15 0.1% pyrite>> Trace

<<Vein: 82.68 - 82.85 Quartz 30 deg. >> Quartz vein with minor graphite(?) in it.

<<Vein: 83.19 - 83.195 Tremolite 65 deg. >> White with light green, fibrous, tremolite?

**85.15 86.20 T2 Basalt - Altered light grey**

85.15 - 86.2: Pervasive ankerite alteration and moderate silicification of the basalt unit near the lower contact with the quartz vein. Coarse, euhedral pyrite and fine arsenopyrite occur near vein margins.

<<Min: 85.97 - 86.2 8% pyrite>> Mostly euhedral, some finer disseminated.

<<Min: 85.97 - 86.2 1% arsenopyrite>>

<<Alt: 85.15 - 86.2 strong Ankerite>>

<<Alt: 86 - 86.2 weak Silicification >>

<<Vein: 86.1 - 86.105 Quartz 40 deg. >>

**86.20 87.27 T5 Quartz Vein**

86.2 - 87.27: Vuggy, extensional(?) quartz vein. Fragments of wall rock within the vein contain pyrite and lesser arsenopyrite,

<<Min: 86.2 - 87.27 1% pyrite>> Within the fragments of wall rock within the vein.

<<Min: 86.2 - 87.27 0.1% arsenopyrite>>

<<Vein: 86.2 - 87.27 Quartz 65 deg. >> Fragments of wall rock occur within the vein, these fragments host coarse pyrite and lesser, fine arsenopyrite.

**87.27 106.03 T2 Basalt - Altered**

87.27 - 106.03: Grey to cream colored pillow basalt with pervasive ankerite alteration and silica alteration near the numerous quartz veins. Some veins have very fine disseminated arsenopyrite forming a halo in the wall rock around the veins. A crackle breccia texture is evident near the bottom of the section, possibly formed with quenching. The lower contact is textural, not lithological, with a hyaloclastite unit.

<<Min: 87.27 - 88 12% pyrite>> Very coarse euhedral pyrite associated with the quartz vein.

<<Min: 87.27 - 88 0.5% arsenopyrite>>

<<Min: 94.38 - 94.53 1% pyrite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
75.00	75.50	0.50	G277479	0.684	10000.1	30	51	-2
75.50	76.97	1.47	G277481	0.021	67	46	95	-2
76.97	78.94	1.97	G277482	-0.005	17	45	115	-2
78.94	81.00	2.06	G277483	-0.005	5	56	88	-2
81.00	83.27	2.27	G277484	-0.005	7	61	87	-2
83.27	85.15	1.88	G277485	-0.005	40	55	112	-2
85.15	86.20	1.05	G277486	0.484	1095	59	85	-2
86.20	87.27	1.07	G277487	0.439	745	18	5	-2
87.27	88.00	0.73	G277488	4.76	1475	39	42	-2
88.00	90.00	2.00	G277489	-0.005	54	56	106	-2
90.00	92.00	2.00	G277491	-0.005	31	52	98	-2
92.00	93.10	1.10	G277492	-0.005	54	47	116	-2



# Drill Log

Project:

Cassiar

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From (m)	To (m)	Rocktype & Description
<<Min: 94.38 - 94.53		3% arsenopyrite>> Halo around cm-wide quartz vein
<<Min: 96.2 - 96.82		3% pyrite>>
<<Min: 96.2 - 96.82		2% arsenopyrite>>
<<Min: 96.85 - 97.04		0.5% pyrite>>
<<Vein: 94.09 - 94.18		Quartz 50 deg. >> Extensional? Quartz-dolomite vein lacking sulphides.
<<Vein: 94.45 - 94.46		Quartz 42 deg. >> Extensional? There is a halo of very fine, disseminated arsenopyrite around the vein.
<<Vein: 95.9 - 95.93		Quartz 46 deg. >>
<<Vein: 96.35 - 96.55		Quartz 42 deg. >> Vuggy quartz vein with minor green sericite near margins. Trace, fine arsenopyrite.
<<Vein: 97.1 - 97.15		Quartz>>
<<Vein: 104 - 104.03		Quartz 55 deg. >>

**106.03 110.12 T2 Basalt - Altered buff**

106.03 - 110.12: Highly ankerite altered hyaloclastite with abundant crackle breccia texture. Several quartz veins near the lower contact.

<<Alt: 106.03 - 110.12		strong Ankerite>>
<<Vein: 109.32 - 109.53		Quartz 55 deg. >> Extensional(?) quartz vein
<<Vein: 109.83 - 109.92		Quartz 88 deg. >> Highly fractured, vein style can't be determined.

**110.12 112.67 T2 Basalt - Altered**

110.12 - 112.67: \*\*not really a typical altered basalt, closest lith code\*\* Thinly bedded volcanoclastic unit that has undergone deformation. See picture from 102.07-102.23m. Bedding is ~85 degrees to core axis. Stringers of pyrite and quartz that appear to have been parallel to bedding have been deformed.

<<Min: 110.12 - 112.6		1% pyrite>> stringers
<<Alt: 112.6 - 116.1		weak Clay>> Increasing intensity towards the lower contact.
<<Alt: 112.6 - 116.1		moderate Ankerite>>
<<Vein: 111.6 - 111.7		Quartz 70 deg. >> Undulating quartz vein that appears deformed

**112.67 119.85 T2 Basalt - Altered buff**

112.67 - 119.85: Ankerite and clay altered basalt with two zones with a sharp contrast in alteration to moderate chlorite alteration. Chlorite altered zones from 116.1-116.41m and 116.83-117.15m. From ~118-119.885 there is a crackle breccia texture that may also be a hyaloclastite.

<<Alt: 116.1 - 116.44		moderate Chlorite >> Pervasive
<<Alt: 116.44 - 116.83		strong Ankerite>>
<<Alt: 116.83 - 117.15		moderate Chlorite >>
<<Alt: 117.15 - 119.85		strong Ankerite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
93.10	94.35	1.25	G277493	0.012	138	27	77	-2
94.35	94.96	0.61	G277494	1.88	4640	20	81	-2
94.96	96.20	1.24	G277495	0.132	467	24	64	-2
96.20	96.82	0.62	G277496	1.235	6830	3	71	-2
96.82	98.20	1.38	G277497	0.013	96	45	99	4
98.20	100.28	2.08	G277498	-0.005	47	56	99	-2
100.28	102.28	2.00	G277499	-0.005	41	57	107	-2
102.28	104.28	2.00	G277501	0.021	142	58	84	-2
104.28	106.03	1.75	G277502	0.141	2240	58	88	-2
106.03	108.03	2.00	G277503	0.246	308	45	91	-2
108.03	109.00	0.97	G277504	0.046	331	40	104	-2
109.00	110.12	1.12	G277505	0.822	1850	14	37	-2
110.12	111.54	1.42	G277506	0.552	863	40	79	-2
111.54	112.67	1.13	G277507	0.23	338	45	61	-2
112.67	114.67	2.00	G277508	-0.005	20	57	80	-2
114.67	116.44	1.77	G277509	0.163	136	62	86	-2
116.44	118.44	2.00	G277511	0.014	15	79	125	-2
118.44	119.85	1.41	G277512	0.008	21	74	87	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-12

From (m) To (m) Rocktype & Description

**119.85 121.50 T2 Basalt - Altered grey**

119.85 - 121.5: Brecciated T2 basalt(?). Appears thinly bedded near the upper contact and grades into a breccia with angular clasts (possibly hyaloclastite).

<<Min: 119.85 - 121.5 0.5% pyrite>> Blebby pyrite.

<<Alt: 119.85 - 121.5 weak White mica (Sericite)>>

**121.50 127.03 T7 Argillaceous Chert**

121.5 - 127.03: Interbedded chert and carbonaceous argillite that has undergone multiple phases of extreme deformation creating a fabric that varies in orientation, almost mylonitic. Deformation is such that the original lithology is difficult to determine. Abunant secondary pyrite, most euhedral. Most likely the Taurus shear zone with later movement taking advantage of the weakened zone.

<<Min: 121.5 - 127.03 4% pyrite>> Well formed secondary pyrite with lesser coarse, poorly formed, disseminated

<<Min: 121.5 - 127.03 0.5% arsenopyrite>> Very fine disseminated, particularly abundant in the clay altered section near the lower contact.

<<Alt: 125.9 - 127.03 moderate Clay>> Related to faulting

<<Struc: 122.7 - 122.7 strong Finely laminated/laminated/finely bedded 30 deg. >>

<<Struc: 122.77 - 122.77 strong Finely laminated/laminated/finely bedded 40 deg. >>

<<Struc: 123.1 - 123.1 moderate Finely laminated/laminated/finely bedded 35 deg. >>

<<Struc: 124.95 - 124.95 strong Finely laminated/laminated/finely bedded 45 deg. >>

<<Struc: 125.9 - 127.03 weak fault gouge>> Holding together but very clay altered.

**127.03 134.15 T7 Argillaceous Chert**

127.03 - 134.15: Dark grey to black, finely bedded graphitic argillite with minor cherty interbeds that have undergone deformation. Bedding varies from ~30 degrees tca near the upper contact to ~60 degrees tca near the lower contact. Sparse, large euhedral pyrite occur throughout. Interbeds have been deformed to have a crenulated 'step' appearance in zones.

<<Vein: 133.25 - 133.28 Quartz 40 deg. >> Quartz vein with abundant, randomly oriented graphitic stringers.

<<Struc: 132.5 - 132.5 strong Finely laminated/laminated/finely bedded 35 deg. >>

<<Struc: 133.68 - 133.68 strong Finely laminated/laminated/finely bedded 60 deg. >>

**134.15 164.29 T7 Argillaceous Chert grey**

134.15 - 164.29: Finely bedded chert with lesser argillite. The unit is cut by late stage quartz veins that cut bedding that is typically ~30 degrees tca whereas the quartz veins occur at ~75 degrees tca. See photo from 142.5-142.95m.

<<Vein: 142.68 - 142.7 Quartz 75 deg. >> Late stage extensional quartz vein with no mineralization. There are four such veins from 142.6-142.8m.

<<Struc: 142.55 - 142.55 moderate Intercalated/Interbedded/Interlayered/Interfoliated 30 deg. >>

<<Struc: 158.74 - 164.29 moderate Fractured>> Moderatly to highly fractured.

<<Struc: 163.5 - 163.5 moderate Finely laminated/laminated/finely bedded 35 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
119.85	121.50	1.65	G277513	1.66	714	24	33	3

121.50	123.50	2.00	G277514	1.285	536	4	12	-2
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123.50	125.50	2.00	G277515	0.721	395	4	25	-2
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125.50	127.03	1.53	G277516	4.42	1640	8	17	2
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127.03	128.12	1.09	G277517	0.277	353	56	22	3
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128.12	130.00	1.88	G277518	0.118	189	35	12	-2
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130.00	132.00	2.00	G277519	0.009	26	46	36	6
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132.00	134.15	2.15	G277521	0.071	116	33	23	5
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134.15	136.15	2.00	G277522	0.045	52	86	35	4
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## Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-12**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>End of Hole @ 164.29</b>											

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-13

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ron Voordouw
Grid:		Hole Diameter:	4 3/4	Survey By:	Ron Voordouw	Date Started:	07/07/2012
UTM Easting:	459950.28	Core Size:	NQ	Azimuth:	0	Date Completed:	08/07/2012
UTM Northing:	6570252.04	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1113.453	Casing Depth (m):		Length (m):	176.48	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title:		Drill Started:	06/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	07/07/2012
Local Elev. (m):							
Comments:							

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
14.94	-44.3	333.7	23.37	357.07	EZShot		06/07/2012	5849	<input checked="" type="checkbox"/>	
63.07	-44.6	336.2	23.37	359.57	EZShot		06/07/2012	5824	<input checked="" type="checkbox"/>	
112.47	-44.8	337.4	23.37	0.77	EZShot		06/07/2012	5835	<input checked="" type="checkbox"/>	
158.19	-44.9	341.7	23.37	5.07	EZShot		06/07/2012	5852	<input checked="" type="checkbox"/>	
176.48	-44.8	338	23.37	1.37	EZShot		06/07/2012	5667	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>0.00</b>	<b>7.62</b>	<b>OVB Overburden</b>									
<b>7.62</b>	<b>14.33</b>	<b>T1 Basalt</b>	7.62	9.97	2.35	G277523	-0.005	6	70	114	3
<<Vein: 12.82 - 12.83 Calcite 50 deg. >>			9.97	11.50	1.53	G277524	0.035	31	64	134	3
<<Struc: 9.97 - 13.15 moderate Brecciated >> Chlorite-rich matrix locally breaking basalt			11.50	13.15	1.65	G277526	-0.005	-2	64	126	3
<<Struc: 10.55 - 11.18 weak fault>>			13.15	14.33	1.18	G277527	-0.005	5	62	117	2
<b>14.33</b>	<b>14.87</b>	<b>T2 Basalt - Altered</b>	14.33	14.87	0.54	G277528	-0.005	12	60	110	2
<<Alt: 14.33 - 14.87 intense Ankerite>> Anomalous pinkish color			14.87	17.08	2.21	G277529	-0.005	5	79	123	3
<b>14.87</b>	<b>17.08</b>	<b>T1 Basalt</b>	17.08	18.60	1.52	G277531	-0.005	4	56	120	-2
<b>17.08</b>	<b>19.89</b>	<b>T2 Basalt - Altered</b>	18.60	19.89	1.29	G277532	-0.005	-2	54	127	3
<<Alt: 17.08 - 19.53 moderate Ankerite>>											
<<Alt: 19.53 - 19.89 strong Ankerite>>											
<<Vein: 19.83 - 19.84 Calcite 40 deg. >>			19.89	22.25	2.36	G277533	0.021	22	65	128	2
<b>19.89</b>	<b>24.59</b>	<b>T1 Basalt</b>									

# Drill Log

Project:

Cassiar

Hole Number:

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From (m) To (m) Rocktype & Description

<<Vein: 21.17 - 21.19 Calcite 30 deg. >>

**24.59 30.19 T2 Basalt - Altered**

<<Min: 25.75 - 27.38 0.5% pyrite>>

<<Alt: 24.59 - 25.95 weak Ankerite>>

<<Alt: 25.95 - 27.38 moderate Ankerite>>

<<Alt: 27.38 - 30.19 weak Ankerite>>

<<Vein: 26.37 - 26.39 Quartz 35 deg. >>

**30.19 39.63 T1A Pillow Basalt**

30.19 - 39.63: pillows

<<Min: 30.19 - 39.63 0.1% pyrite>>

<<Vein: 32.12 - 32.18 Quartz 20 deg. >>

<<Struc: 33.48 - 34.88 weak fault>>

**39.63 51.43 T2 Basalt - Altered**

39.63 - 51.43: pillows

<<Min: 39.63 - 51.43 0.1% pyrite>>

<<Alt: 39.63 - 40.69 weak Ankerite>>

<<Alt: 40.69 - 51.43 moderate Ankerite>>

<<Vein: 42.3 - 42.35 Quartz 50 deg. >>

<<Vein: 43.2 - 43.22 Quartz 40 deg. >>

<<Vein: 46.82 - 46.84 Calcite 50 deg. >>

<<Vein: 47.89 - 47.895 Quartz 45 deg. >>

<<Vein: 49.16 - 49.18 Calcite 45 deg. >>

<<Struc: 39.63 - 40.03 moderate fault gouge>>

<<Struc: 40.39 - 40.69 strong fault gouge>>

<<Struc: 50.38 - 50.68 moderate fault gouge>>

**51.43 58.74 T1 Basalt**

<<Min: 51.43 - 63.88 0.5% pyrite>>

<<Vein: 52.02 - 52.025 Quartz 45 deg. >>

<<Vein: 52.58 - 52.6 Calcite 35 deg. >>

<<Vein: 53.07 - 53.08 Quartz 45 deg. >> Extensional calcite along vein margins

<<Vein: 53.47 - 53.5 Quartz 45 deg. >> Extensional calcite along vein margins

<<Vein: 53.97 - 54.02 Quartz 45 deg. >>

<<Vein: 54.83 - 54.85 Quartz 45 deg. >> Extensional calcite along vein margins

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
22.25	24.59	2.34	G277534	-0.005	49	53	102	3
24.59	26.50	1.91	G277535	0.053	81	72	123	-2
26.50	28.44	1.94	G277536	0.037	60	90	110	-2
28.44	30.19	1.75	G277537	-0.005	20	61	114	-2
30.19	32.20	2.01	G277538	-0.005	11	74	120	-2
37.65	39.63	1.98	G277539	0.008	32	71	103	-2
39.63	41.65	2.02	G277541	-0.005	46	65	99	-2
41.65	43.65	2.00	G277542	-0.005	130	59	76	-2
43.65	45.65	2.00	G277543	0.022	318	58	112	-2
45.65	47.65	2.00	G277544	0.021	344	65	113	-2
47.65	49.71	2.06	G277545	-0.005	115	49	101	-2
49.71	51.43	1.72	G277546	-0.005	75	48	119	-2
51.43	53.43	2.00	G277547	-0.005	89	33	116	-2
56.74	58.74	2.00	G277548	-0.005	39	53	116	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-13

From (m) To (m) Rocktype & Description

<<Vein: 55.4 - 55.41 Quartz 45 deg. >>  
 <<Vein: 56.06 - 56.15 Quartz 40 deg. >>  
**58.74 59.88 T2 Basalt - Altered**  
 <<Alt: 58.74 - 59.88 intense Ankerite>>  
**59.88 64.27 T1A Pillow Basalt**  
 59.88 - 64.27: pillows  
  
**64.27 64.87 T5 Quartz Vein**  
 <<Vein: 64.27 - 64.87 Quartz>>  
**64.87 66.62 T1 Basalt**  
 <<Min: 66.4 - 66.62 0.1% pyrite>>  
**66.62 67.00 T5 Quartz Vein**  
 <<Vein: 66.62 - 67 Quartz>>  
**67.00 69.91 T1 Basalt**  
 <<Min: 67 - 69.91 0.1% pyrite>>  
 <<Vein: 67.96 - 68.05 Calcite 40 deg. >>  
 <<Vein: 68.31 - 68.45 Quartz 30 deg. >> Extensional calcite along vein margins  
**69.91 86.96 T2 Basalt - Altered**  
 <<Min: 69.91 - 71.59 0.1% pyrite>>  
 <<Min: 71.59 - 72.35 0.5% pyrite>>  
 <<Min: 72.35 - 72.65 5% pyrite>>  
 <<Min: 72.65 - 73.14 0.5% pyrite>>  
 <<Min: 79.28 - 81.15 0.5% pyrite>>  
 <<Min: 81.15 - 83.15 0.1% pyrite>>  
  
 <<Min: 83.15 - 84.7 0.1% tetrahedrite>>  
 <<Min: 83.15 - 84.7 2% pyrite>>  
 <<Min: 83.15 - 84.7 0.1% arsenopyrite>>  
 <<Min: 84.7 - 86.96 0.1% pyrite>>  
 <<Alt: 69.91 - 81.8 moderate Ankerite>>  
 <<Alt: 81.8 - 82.72 weak Ankerite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
58.74	59.88	1.14	G277549	0.008	54	69	139	-2
59.88	61.88	2.00	G277551	0.005	61	65	103	-2
61.88	63.88	2.00	G277552	0.01	69	66	115	-2
63.88	65.88	2.00	G277553	-0.005	26	37	85	-2
65.88	67.88	2.00	G277554	-0.005	46	54	117	-2
67.88	69.91	2.03	G277555	-0.005	62	46	110	2
69.91	71.59	1.68	G277556	0.009	323	53	103	-2
71.59	73.14	1.55	G277557	0.679	6890	50	87	-2
73.14	74.52	1.38	G277558	-0.005	138	55	113	-2
74.52	77.51	2.99	G277559	0.012	162	46	101	-2
77.51	79.28	1.77	G277561	0.101	584	55	75	-2
79.28	81.15	1.87	G277562	0.4	5930	41	81	-2
81.15	83.15	2.00	G277563	-0.005	29	55	101	-2
83.15	84.70	1.55	G277564	1.905	10000. 1	38	61	-2
84.70	85.96	1.26	G277565	0.093	1285	50	93	-2
85.96	86.96	1.00	G277566	-0.005	58	61	115	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-13

From (m) To (m) Rocktype & Description

<<Alt: 82.72 - 86.96 moderate Ankerite>>  
 <<Vein: 70.36 - 70.38 Quartz 45 deg. >>  
 <<Vein: 76.76 - 76.765 Quartz 40 deg. >>  
 <<Vein: 78.45 - 78.453 Quartz 50 deg. >>  
 <<Vein: 78.57 - 78.572 Quartz 25 deg. >>  
 <<Vein: 78.65 - 78.655 Quartz 85 deg. >>  
 <<Vein: 83.36 - 83.37 Quartz 45 deg. >> Quartz vein with pyrite-rich margins  
 <<Vein: 83.9 - 84 Quartz 40 deg. >> TT-banded quartz vein  
 <<Vein: 84.45 - 84.6 Quartz 45 deg. >>  
 <<Struc: 71.59 - 73.14 moderate Brecciated >> Graphite +/- Py crackle "breccia"  
 <<Struc: 75.52 - 77.51 strong fault>> Abundant core loss  
 <<Struc: 79.28 - 81.15 moderate Brecciated >> Graphite +/- Py crackle "breccia"  
 <<Struc: 79.52 - 80.97 moderate fault>>  
 <<Struc: 83.15 - 85.96 moderate Brecciated >> Graphite +/- Py crackle "breccia"

**86.96 88.88 T1 Basalt**

<<Min: 86.96 - 88.88 0.5% pyrite>>

**88.88 91.96 T2 Basalt - Altered**

<<Min: 88.88 - 95.72 0.1% pyrite>>

<<Alt: 88.88 - 91.96 weak Ankerite>>

<<Vein: 91.51 - 91.53 Calcite 35 deg. >>

**91.96 93.23 T1 Basalt**

**93.23 104.36 T2 Basalt - Altered**

<<Min: 95.72 - 96.35 0.5% pyrite>>

<<Min: 96.35 - 109.6 0.1% pyrite>>

<<Alt: 93.23 - 95.06 weak Ankerite>>

<<Alt: 95.06 - 100.43 moderate Ankerite>>

<<Alt: 100.43 - 104.36 weak Ankerite>>

<<Vein: 94.7 - 94.71 Calcite 30 deg. >>

<<Vein: 96.14 - 96.15 Quartz 45 deg. >>

<<Vein: 96.49 - 96.495 Quartz 45 deg. >>

<<Vein: 98.26 - 98.265 Quartz 55 deg. >> Hosted in 20 cm chert band

<<Vein: 98.32 - 98.325 Quartz 55 deg. >>

<<Vein: 98.5 - 98.53 Quartz 45 deg. >>

<<Vein: 99.2 - 99.21 Quartz 40 deg. >> Extensional calcite along vein margins

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
86.96	88.88	1.92	G277567	-0.005	12	54	107	-2
88.88	90.50	1.62	G277568	-0.005	32	69	89	-2
90.50	91.96	1.46	G277569	-0.005	43	44	98	-2
91.96	93.23	1.27	G277571	-0.005	7	54	99	-2
93.23	95.06	1.83	G277572	-0.005	19	59	91	-2
95.06	97.00	1.94	G277573	-0.005	86	61	90	-2
97.00	99.00	2.00	G277574	0.008	284	50	89	-2
99.00	100.50	1.50	G277576	-0.005	131	70	94	-2
100.50	102.54	2.04	G277577	-0.005	69	63	91	-2
102.54	104.36	1.82	G277578	0.015	78	57	93	-2

# Drill Log

Project:

Cassiar

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TA12-13

From (m) To (m) Rocktype & Description

<<Vein: 102.7 - 102.71 Quartz 55 deg. >> Extensional calcite along vein margins

**104.36 106.33 T1 Basalt**

<<Vein: 105.7 - 105.75 Quartz 55 deg. >>

**106.33 115.34 T2 Basalt - Altered**

106.33 - 115.34: pillows

<<Min: 109.6 - 112.12 1% pyrite>>

<<Min: 112.12 - 119.92 0.1% pyrite>>

<<Alt: 106.33 - 107.08 weak Ankerite>>

<<Alt: 107.08 - 109.6 moderate Ankerite>>

<<Alt: 109.6 - 111.89 strong Ankerite>>

<<Alt: 111.89 - 115.34 moderate Ankerite>>

<<Vein: 110.63 - 110.68 Quartz 35 deg. >>

<<Vein: 115.09 - 115.11 Quartz 50 deg. >>

<<Struc: 109.66 - 112.12 moderate Brecciated >> Graphite +/- Py crackle "breccia"

**115.34 119.92 T1 Basalt**

**119.92 122.73 T2 Basalt - Altered**

<<Min: 119.92 - 121.71 0.5% pyrite>>

<<Min: 121.71 - 125.49 1% pyrite>>

<<Alt: 119.92 - 121.71 weak Ankerite>>

<<Alt: 121.71 - 136.93 moderate Ankerite>>

<<Vein: 121.98 - 121.99 Quartz 65 deg. >>

<<Vein: 122.32 - 122.34 Quartz 75 deg. >> Extensional calcite along vein margins

<<Vein: 122.57 - 122.61 Quartz 55 deg. >>

<<Struc: 121.95 - 123.9 moderate Brecciated >> Graphite +/- Py crackle "breccia"

**122.73 123.03 T5 Quartz Vein**

<<Min: 122.73 - 123.03 1% tetrahedrite>>

<<Vein: 122.73 - 123.03 Quartz>>

**123.03 142.51 T2 Basalt - Altered**

<<Min: 125.49 - 126.54 3% pyrite>>

<<Min: 126.54 - 130 0.5% pyrite>>

<<Min: 138.77 - 140.09 0.1% pyrite>>

<<Min: 141.99 - 142.62 1% pyrite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
104.36	106.33	1.97	G277579	-0.005	27	65	95	-2
106.33	108.33	2.00	G277581	-0.005	71	51	92	-2
108.33	109.60	1.27	G277582	-0.005	123	57	92	-2
109.60	110.70	1.10	G277583	0.338	1560	55	63	-2
110.70	112.12	1.42	G277584	0.295	1470	46	71	-2
112.12	113.85	1.73	G277585	-0.005	51	62	92	-2
113.85	115.34	1.49	G277586	-0.005	43	78	97	-2
115.34	117.70	2.36	G277587	-0.005	4	61	101	-2
117.70	119.92	2.22	G277588	-0.005	8	63	99	-2
119.92	121.71	1.79	G277589	-0.005	69	48	122	3
121.71	122.71	1.00	G277591	0.386	4990	44	95	3
122.71	124.71	2.00	G277592	0.468	6200	59	68	-2
124.71	125.49	0.78	G277593	0.299	208	105	103	-2
125.49	126.54	1.05	G277594	1.825	615	53	96	2
126.54	127.90	1.36	G277595	0.245	3410	43	81	2
127.90	129.26	1.36	G277596	0.1	1120	56	79	2
129.26	130.00	0.74	G277597	0.013	229	54	72	-2



# Drill Log

Project:

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From (m) To (m) Rocktype & Description

<<Alt: 136.93 - 147.09 strong Ankerite>>  
 <<Vein: 123.84 - 123.845 Quartz 50 deg. >>  
 <<Vein: 124.23 - 124.235 Quartz 45 deg. >>  
 <<Vein: 124.42 - 124.425 Quartz 50 deg. >>  
 <<Vein: 125.36 - 125.44 Quartz 70 deg. >>  
 <<Vein: 125.71 - 125.72 Quartz 45 deg. >>  
 <<Vein: 125.91 - 125.92 Quartz 40 deg. >>  
 <<Vein: 126.43 - 126.432 Quartz 35 deg. >>  
 <<Vein: 130.83 - 130.85 Quartz 25 deg. >>  
 <<Vein: 131.52 - 131.54 Quartz 25 deg. >> bayonets on vein margins  
 <<Vein: 132.43 - 132.48 Quartz 55 deg. >>  
 <<Vein: 133.8 - 133.82 Quartz 35 deg. >>  
 <<Vein: 134.18 - 134.182 Quartz 20 deg. >>  
 <<Vein: 138.88 - 138.9 Quartz 90 deg. >>  
 <<Vein: 138.99 - 138.995 Calcite 50 deg. >>  
 <<Vein: 140.13 - 140.15 Quartz 20 deg. >>  
 <<Vein: 142.27 - 142.28 Quartz>> deformed vein in shear zone  
 <<Struc: 126.54 - 129.26 moderate Brecciated >> Graphite +/- Py crackle "breccia"  
 <<Struc: 130 - 131.81 moderate Brecciated >> Graphite +/- Py crackle "breccia"  
 <<Struc: 130.1 - 130.38 moderate fault>>  
 <<Struc: 132.06 - 132.36 weak fault>>  
 <<Struc: 132.62 - 133.66 weak fault>>  
 <<Struc: 135.96 - 139.93 moderate fault gouge>>  
 <<Struc: 138.3 - 138.77 moderate fault>>  
 <<Struc: 139.93 - 140.09 moderate Brecciated >> Graphite +/- Py crackle "breccia"  
 <<Struc: 141.99 - 142.62 weak Sheared>>

**142.51 143.75 T2 Basalt - Altered**

142.51 - 143.75: Volcaniclastic

<<Min: 143.54 - 144.47 0.5% pyrite>>  
 <<Vein: 142.51 - 142.53 Quartz>> deformed vein in shear zone

**143.75 147.09 T2 Basalt - Altered**

<<Min: 146.13 - 147.09 1% pyrite>>  
 <<Struc: 144.13 - 144.76 moderate Sheared>>  
 <<Struc: 146.78 - 153.84 Bedded 20 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
130.00	130.90	0.90	G277598	0.17	3730	59	66	-2
130.90	131.81	0.91	G277599	0.041	176	45	59	2
131.81	133.81	2.00	G277601	0.007	155	42	72	-2
133.81	135.81	2.00	G277602	-0.005	98	64	91	4
135.81	136.93	1.12	G277603	-0.005	55	57	76	-2
136.93	138.30	1.37	G277604	0.07	664	19	53	2
138.30	140.30	2.00	G277605	0.204	946	45	61	3
140.30	141.99	1.69	G277606	0.073	107	50	75	-2
141.99	142.62	0.63	G277607	0.485	338	3	43	-2

142.62	143.75	1.13	G277608	0.164	225	60	82	-2
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143.75	144.75	1.00	G277609	0.326	239	46	78	-2
144.75	146.13	1.38	G277611	-0.005	52	61	98	-2
146.13	147.09	0.96	G277612	0.588	2310	61	63	3

# Drill Log

Project:

Cassiar

Hole Number:

TA12-13

From (m)    To (m)                      Rocktype & Description

**147.09 153.84 T7                      Argillaceous Chert**

<<Min: 147.09 - 153.84 0.5% pyrite>>

<<Struc: 147.19 - 150.96 moderate Fractured>>

**153.84 157.25 5B                      Chert**

**157.25 161.18 5DD                      Argillite**

<<Struc: 157.25 - 161.18 Bedded 20 deg. >>

**161.18 166.49 5B                      Chert**

<<Struc: 164.47 - 166.06 strong Fractured>>

**166.49 168.48 5DD                      Argillite**

<<Struc: 167.54 - 168.22 strong Fractured>>

**168.48 168.99 5B                      Chert**

**168.99 171.93 5DD                      Argillite**

<<Struc: 168.99 - 169.12 intense Sheared>>

<<Struc: 170.24 - 171.5 weak fault gouge>>

**171.93 176.48 T1F                      Magnetic/Jasper Pillow Basalt**

171.93 - 176.48: jasper-mag basalt unit

<<Struc: 176.1 - 176.32 strong fault gouge>>

**End of Hole @ 176.48**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
147.09	149.05	1.96	G277613	0.011	36	63	39	2
149.05	150.96	1.91	G277614	0.338	226	20	21	3
150.96	152.96	2.00	G277615	0.759	382	21	29	6
152.96	153.84	0.88	G277616	0.177	137	13	17	4

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-14

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:	Ron Voordouw	Date Started:	08/07/2012
UTM Easting:	460028.66	Core Size:	NQ	Azimuth:	0	Date Completed:	09/07/2012
UTM Northing:	6570213.29	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1104.63	Casing Depth (m):		Length (m):	69.97	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title:		Drill Started:	07/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	08/07/2012
Local Elev. (m):							
Comments:							

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
14.94	-45.3	340.2	23.37	3.57	ReflexEZS		07/07/2012	5838	<input checked="" type="checkbox"/>	
63.7	-45.8	342.8	23.37	6.17	ReflexEZS		07/07/2012	5774	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
<b>0.00</b>	<b>6.07</b>	<b>OVB Overburden</b>									
<b>6.07</b>	<b>12.55</b>	<b>T2 Basalt - Altered cream FMG</b>	6.07	7.75	1.68	G277617	0.027	67	50	94	-2
6.07 - 12.55: Cream to light-green, fine to medium grained altered basalt. Alteration consists of moderate, pervasive silicification centered on two quartz veins. Darker, less silicified areas moderately calcite-altered.											
<<Min: 7.9 - 8.84 0.5% pyrite>> vfg to cgr disseminations along margins of QZ veins.											
<<Min: 8.38 - 8.5 0.1% tetrahedrite>> Clots along QZ vein margins.											
<<Alt: 6.07 - 12.55 moderate Silicification >>											
<<Vein: 8.11 - 8.24 100% Quartz 40 deg. >> 95% milky QZ, 3% CAL, 1% PY, 1% TT. Banded with sharp contacts.											
<<Vein: 8.38 - 8.5 100% Quartz 30 deg. >> 99% QZ, 1% vfg tourmaline and PY. Banded with sharp contacts.											
<<Struc: 6.55 - 6.8 weak fault 15 deg. / weak fault 48 deg. >> Minor fault with 1 cm gouge zones. Upper and lower contacts listed.											
<<Struc: 12.24 - 12.55 moderate fault 52 deg. / moderate fault 53 deg. >> Moderate fault zone with gouge center. Upper and lower contacts listed.											
<b>12.55</b>	<b>14.80</b>	<b>T1 Basalt grey-green FMG</b>	12.60	13.80	1.20	G277623	-0.005	7	63	113	-2
12.55 - 14.8: Fine to medium grained, equigranular basalt. Cut by calcite±hematite veins.											
			13.80	14.80	1.00	G277624	-0.005	6	66	109	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-14

From (m)	To (m)	Rocktype & Description
<b>14.80</b>	<b>17.85</b>	<b>T2 Basalt - Altered cream FMG</b>
<p>14.8 - 17.85: Cream to light-green, fine to medium grained altered basalt. Alteration consists of moderate, pervasive silicification centered on quartz vein. Darker, less silicified areas moderately calcite-altered. Small interval of ANK-PY veins.</p> <p>&lt;&lt;Min: 15.5 - 16.7 2% pyrite&gt;&gt; fgr to cgr disseminations centered on QZ vein.</p> <p>&lt;&lt;Min: 15.5 - 16.7 0.5% arsenopyrite&gt;&gt; fgr to mgr disseminations.</p> <p>&lt;&lt;Alt: 14.8 - 17.85 moderate Silicification &gt;&gt;</p> <p>&lt;&lt;Vein: 15.5 - 16 10% Ankerite 45 deg. &gt;&gt; ANK with coarse blebs of PY and finely disseminated bands of AS along margins.</p> <p>&lt;&lt;Vein: 16 - 16.15 100% Quartz 34 deg. &gt;&gt; 99% QZ, 1% AS and PY.</p>		
<b>17.85</b>	<b>18.40</b>	<b>T5 Quartz Vein white FG</b>
<p>17.85 - 18.4: Broken QZ vein with PY blebs and AS disseminated in bands. Banding ~30 tca. Some cave and spun core.</p> <p>&lt;&lt;Min: 17.85 - 18.4 2% pyrite&gt;&gt;</p> <p>&lt;&lt;Min: 17.85 - 18.4 1% arsenopyrite&gt;&gt;</p> <p>&lt;&lt;Vein: 17.85 - 18.4 Quartz&gt;&gt;</p>		
<b>18.40</b>	<b>20.67</b>	<b>T2 Basalt - Altered cream</b>
<p>18.4 - 20.67: Fault zone in altered basalt unit. Core largely broken with some areas of brecciation.</p> <p>&lt;&lt;Min: 19.9 - 20.5 1% pyrite&gt;&gt; fgr to cgr disseminations centered on QZ vein.</p> <p>&lt;&lt;Min: 19.9 - 20.5 0.5% arsenopyrite&gt;&gt; Bands of fgr AS</p> <p>&lt;&lt;Vein: 20.4 - 20.8 100% Quartz 50 deg. &gt;&gt; 99% QZ, 1% PY-AS.</p> <p>&lt;&lt;Struc: 18.4 - 20.67 weak fault&gt;&gt; Angles from 34-60 tca.</p>		
<b>20.67</b>	<b>23.50</b>	<b>T2 Basalt - Altered grey-green FMG</b>
<p>20.67 - 23.5: Grey-geen to cream, fine to medium grained altered basalt. Alteration consists of weak, patchy silicification and sericite alteration along margins of calcite-QZ veins. Darker, less silicified areas moderately ankerite-altered.</p> <p>&lt;&lt;Min: 20.67 - 23.5 0.1% pyrite&gt;&gt; fgr to cgr blebs in some vein selvages.</p> <p>&lt;&lt;Alt: 20.67 - 23.5 moderate Silicification &gt;&gt; Patchy silicification overprinting AK.</p> <p>&lt;&lt;Alt: 20.67 - 23.5 moderate Ankerite&gt;&gt; Patches of AK where not silicified.</p>		
<b>23.50</b>	<b>26.00</b>	<b>T2 Basalt - Altered grey-green FCG</b>
<p>23.5 - 26: Fault in altered basalt, centered on rubble area. Consists of altered basalt matrix with fragment of altered basalt and fragmented calcite veins.</p> <p>&lt;&lt;Vein: 25.5 - 25.8 90% Quartz&gt;&gt; Breccated QZ vein, contact angles destroyed. Prrarily QZ with minor amounts of PY.</p>		

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
14.80	15.80	1.00	G277626	0.171	53	67	115	-2
15.80	17.00	1.20	G277627	2.02	6360	32	49	-2
17.00	17.85	0.85	G277628	1.03	296	60	87	-2
17.85	18.40	0.55	G277629	2.65	10000.1	23	27	-2
18.40	20.67	2.27	G277631	1.815	5410	43	82	-2
20.67	22.00	1.33	G277632	-0.005	39	55	111	-2
22.00	23.50	1.50	G277633	-0.005	20	43	108	-2
23.50	25.50	2.00	G277634	0.277	284	69	109	-2
25.50	26.00	0.50	G277635	0.618	599	32	50	3

# Drill Log

Project:

Cassiar

Hole Number:

TA12-14

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
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<<Struc: 23.5 - 25.5 weak fault>> Angles from 25-30 tca.

**26.00 28.30 T2 Basalt - Altered medium grey FCG**

26 - 28.3: Light grey, fine to medium grained altered basalt. Alteration consists of moderate, pervasive ankerite, centered on minor fault. PY 3% overall, locally up to 7%. Small interval with 1% AS.

26.00	27.30	1.30	G277636	2.8	743	54	89	-2
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<<Min: 26.8 - 28.3 3% pyrite>> fgr to cgr PY disseminated throughout bleached area which is centered on minor fault.

<<Min: 27.3 - 28.3 1% arsenopyrite>> fgr to mgr AS disseminated throughout bleached area.

<<Alt: 26 - 28.3 moderate Ankerite>>

<<Struc: 27.45 - 27.7 moderate fault 45 deg. >> Minor fault centered on 5 cm gouge area. Broken QZ vein present, PY up to 7% locally.

**28.30 29.20 T5 Quartz Vein white VFG**

28.3 - 29.2: Semi-competent QZ vein with numerous fractures. Dominantly QZ with some PY, minor AS and TT, and a speck of VG. 45-50 tca.

27.30	28.30	1.00	G277637	11.55	10000. 1	8	31	2
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<<Min: 28.3 - 29.2 0.01% tetrahedrite>>

<<Min: 28.3 - 29.2 0.1% arsenopyrite>>

<<Min: 28.3 - 29.3 1% pyrite>> cgr disseminatons/clots in bands in QZ vein.

<<Min: 29.1 - 29.1 0.01% gold>> Single bleb of VG.

<<Vein: 28.3 - 29.2 Quartz>>

**29.20 30.70 T2 Basalt - Altered light grey FG**

29.2 - 30.7: Light grey, fine grained altered basalt. Alteration consists of moderate, pervasive silicification with disseminated PY and AS. Small rubble area near contact with QZ vein likely minor fault.

28.30	29.20	0.90	G277638	39.7	10000. 1	163	27	-2
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<<Min: 29.2 - 30.7 1% pyrite>> fgr to cgr disseminated, more intense along margins of QZ vein.

<<Min: 30.18 - 30.7 1% arsenopyrite>> fgr to cgr pathes of AS disseminated in bands along QZ vein margins.

<<Alt: 29.2 - 30.7 moderate Silicification >>

<<Vein: 30.25 - 30.4 70% Quartz 38 deg. >> 95% QZ, 3% PY, 2% AS. Irregular margins.

<<Struc: 30 - 30.18 weak fault 40 deg. >> Minor fault at margin of QZ-PY-AS vein.

**30.70 36.00 T1 Basalt grey-green FMG**

30.7 - 36: Dark grey-green, fine to medium grained basalt. Moderate, pervasive calcite alteration. Trace PY as isolated blebs.

29.20	30.70	1.50	G277641	4.64	10000. 1	32	48	-2
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<<Min: 30.7 - 36 0.01% pyrite>> Trace, isolated blebs of PY.

<<Alt: 30.7 - 36 moderate Calcite>>

30.70	32.00	1.30	G277642	-0.005	38	59	111	-2
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32.00	34.00	2.00	G277643	-0.005	12	58	108	-2
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34.00	36.00	2.00	G277644	-0.005	32	57	113	-2
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-14

From (m) To (m) Rocktype & Description

**36.00 36.45 T2 Basalt - Altered beige FMG**

36 - 36.45: Small interval of light grey-biege altered basalt along margin of large QZ vein. Color due to silicification, which increases in intensity towards contact with QZ vein. Medium to coarse grained PY blebs and hedrons, increasing in concentration towards contact.

<<Min: 36 - 36.45 1% pyrite>> mgr to cgr blebs and hedrons.

<<Min: 36.35 - 36.45 0.5% arsenopyrite>> Fnely disseminated near contact with QZ vein.

<<Alt: 36 - 36.45 moderate Silicification >>

**36.45 37.07 T5 Quartz Vein white VFG**

36.45 - 37.07: Competent, slightly fractured QZ vein with blebs and hedrons of PY with some disseminated AS, mainly near margins. Average angle 45 tca. Fibrous texture along margins, massive in center.

<<Min: 36.45 - 37.07 0.2% pyrite>> Dominantly along margins.

<<Min: 36.45 - 37.07 0.05% arsenopyrite>> Disseminated along margins.

<<Vein: 36.45 - 37.07 Quartz>>

**37.07 40.70 T2 Basalt - Altered light grey FMG**

37.07 - 40.7: Light grey altered basalt. Weak AK alteration. Fractured in some areas, centered on small rubble zone which is likely minor fault. Some QZ-calcite veining near upper contact with large QZ vein. PY present as fgr to cgr blebs and hedrons with mineralization centered on small rubble zone.

<<Min: 37.07 - 37.9 2% pyrite>> fgr to cgr blebs and hedrons, zone located between two QZ veins.

<<Min: 37.65 - 37.8 0.5% arsenopyrite>> Disseminated along vein margins and in vein.

<<Min: 37.9 - 40 3% pyrite>> fgr to cgr blebs and hedrons, disseminated around minor fault and fracturation zone.

<<Alt: 37.07 - 40.7 weak Ankerite>>

<<Vein: 37.25 - 37.4 90% Quartz 28 deg. >> QZ, calcite, PY. Cut by calcite veins. Fibrous texture along margins, lkely extensional.

<<Vein: 37.65 - 37.75 95% Quartz 45 deg. >> QZ with PY and trace AS. Fibrous texture along margins.

<<Struc: 38.32 - 39.2 weak fault 10 deg. >> Fractured zone centered on 10 cm interval of rubble. Nearly parallel tca, healed by calcite vein.

**40.70 47.76 T1 Basalt grey-green FMG**

40.7 - 47.76: Dark grey-green, fine to medium grained basalt. Moderate, pervasive silicificaton but unrelated to mineralization. Minor amounts of isolated blebs of PY, some unmineralized calcite±QZ veins.

<<Min: 40.7 - 47.76 0.1% pyrite>> Isolated fgr to cgr blebs of PY, highest concentration near lower contact with pillow basalt.

<<Alt: 40.7 - 47.76 weak Silicification >> Weak, pervasive silicification of basalt. Not related to mineralizaton, possbly primary silica.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
36.00	36.45	0.45	G277645	1.2	3780	69	80	-2

36.45	37.07	0.62	G277646	0.268	1195	1	7	-2
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37.07	38.00	0.93	G277647	1.465	2100	24	99	-2
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38.00	40.00	2.00	G277648	1.41	750	44	78	-2
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40.00	40.70	0.70	G277649	0.008	67	53	105	-2
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40.70	42.00	1.30	G277651	-0.005	7	54	110	-2
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42.00	43.60	1.60	G277652	-0.005	6	65	80	-2
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43.60	45.50	1.90	G277653	-0.005	5	62	75	-2
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45.50	47.76	2.26	G277654	-0.005	9	73	75	-2
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# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-14**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>47.76</b>	<b>58.00</b>	<b>T1A Pillow Basalt</b>									
<p>47.76 - 58: Dark grey-green, competent, fine grained pillow basalt. Inter-pillow areas filled in with calcite, QZ, and variable amounts of blebby PY.</p> <p>&lt;&lt;Min: 47.76 - 58 0.1% pyrite&gt;&gt; Patchy clots of PY associated with inter-pillow areas. Locally up to 1%.</p> <p>&lt;&lt;Struc: 50.7 - 51.3 weak fault 25 deg. &gt;&gt; Minor fault indicated by fracturing and slickenlines. Angles 20-30 tca.</p>											
		<b>grey-green FG</b>	47.76	49.10	1.34	G277655	-0.005	6	66	75	-2
			49.10	51.00	1.90	G277656	-0.005	6	59	91	-2
			51.00	53.00	2.00	G277657	-0.005	5	50	92	-2
			53.00	55.00	2.00	G277658	-0.005	4	67	94	-2
			55.00	57.00	2.00	G277659	-0.005	4	46	107	-2
			57.00	58.00	1.00	G277661	-0.005	4	55	119	-2
			58.00	59.90	1.90	G277662	-0.005	63	39	118	-2
<b>58.00</b>	<b>62.55</b>	<b>T2 Basalt - Altered</b>									
<p>58 - 62.55: Semi-competent, light grey-green, fgr to mgr altered basalt. Alteration imparts light grey color. AK alteration throughout unit in weak to moderate patches. Several minor faults and unmineralized QZ-calcite veins. Trace disseminations of blebby PY.</p> <p>&lt;&lt;Min: 58 - 62.55 0.05% pyrite&gt;&gt; Trace disseminations of PY, mostly near upper contact where alteration is strongest.</p> <p>&lt;&lt;Alt: 58 - 62.55 weak Ankerite&gt;&gt; AK alteration present throughout as patches of weak-moderate strength.</p> <p>&lt;&lt;Struc: 60.06 - 60.66 weak fault 36 deg. &gt;&gt; Minor fault with small (5 cm) rubble intervals. Healed by calcite veins.</p> <p>&lt;&lt;Struc: 62.3 - 62.55 weak fault&gt;&gt; Minor fault near contact with large fault zone below. Angles range 10-50 tca.</p>											
		<b>grey-green FMG</b>	59.90	61.40	1.50	G277663	-0.005	26	33	107	-2
			61.40	62.55	1.15	G277664	-0.005	4	42	120	-2
<b>62.55</b>	<b>65.00</b>	<b>5B Chert</b>									
<p>62.55 - 65: Chert. Strong gouge zone indicating sizable fault. Moderate calcite alteration. Fault angles 30-90 tca, overall average about 40 tca.</p> <p>&lt;&lt;Alt: 62.55 - 64 moderate Ankerite&gt;&gt; AK alteration of altered basalt gouge.</p> <p>&lt;&lt;Alt: 62.55 - 65 strong Clay&gt;&gt; Alteration of lithology to clay in fault zone.</p> <p>&lt;&lt;Vein: 63.5 - 64.2 20% Quartz 40 deg. &gt;&gt; QZ veins completely smashed up by fault. Appear largely unmineralized.</p>											
		<b>cream FCG</b>	62.55	63.50	0.95	G277665	-0.005	10	59	127	2
			63.50	65.00	1.50	G277666	-0.005	5	29	94	4
<b>65.00</b>	<b>69.97</b>	<b>T1A Pillow Basalt</b>									
<p>65 - 69.97: Semi-competent, dark grey-green pillow basalt. Broken up near upper contact with fault zone, with a few minor parasitic faults causing small broken intervals throughout. Very minor amounts of isolated cgr blebs of PY, mostly in inter-pillow areas.</p> <p>&lt;&lt;Min: 65 - 69.97 0.01% pyrite&gt;&gt; Rare, isolated, cm-sized blebs associated with inter-pillow areas.</p> <p>&lt;&lt;Struc: 66.7 - 69 weak fault 50 deg. &gt;&gt; Numerous minor slips centered on 4 cm intense gouge zone. Angles from 25-70 tca, average angle about 50 tca.</p>											
		<b>grey-green FG</b>	65.00	66.75	1.75	G277667	-0.005	4	61	124	2
			66.75	69.00	2.25	G277668	-0.005	5	63	112	2
			69.00	69.97	0.97	G277669	-0.005	-2	48	106	3
<b>End of Hole @ 69.97</b>											

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-15

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ron Voordouw
Grid:		Hole Diameter:	4 3/4	Survey By:	Ron Voordouw	Date Started:	09/07/2012
UTM Easting:	460012.33	Core Size:	NQ	Azimuth:	180	Date Completed:	09/07/2012
UTM Northing:	6570361.77	Casing Pulled?:	<input type="checkbox"/>	Dip:	-65	Drill Company:	Apex
UTM Elev. (m):	1100.71	Casing Depth (m):		Length (m):	136.86	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title:		Drill Started:	08/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	09/07/2012
Local Elev. (m):							
Comments:							

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
17.98	-64.3	149	24.5	173.5	EZShot		09/07/2012	5772	<input checked="" type="checkbox"/>	
63.7	-64.4	151.1	24.5	175.6	EZShot		09/07/2012	5743	<input checked="" type="checkbox"/>	
112.47	-65	153.2	24.5	177.7	EZShot		09/07/2012	5790	<input checked="" type="checkbox"/>	
136.86	-64.9	155.5	24.5	180	EZShot		09/07/2012	5786	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>0.00</b>	<b>6.10</b>	<b>OVB Overburden</b>									
<b>6.10</b>	<b>12.32</b>	<b>T1 Basalt</b>	6.10	8.30	2.20	G277671	-0.005	13	79	111	-2
<<Min: 6.1 - 12.32 0.1% pyrite>>			8.30	9.10	0.80	G277672	0.009	33	64	110	-2
<<Struc: 8.3 - 9.1 moderate fault gouge>>			9.10	11.00	1.90	G277673	-0.005	8	65	109	-2
<b>12.32</b>	<b>18.51</b>	<b>T2 Basalt - Altered</b>	11.00	12.32	1.32	G277674	-0.005	46	71	108	-2
<<Min: 12.32 - 12.75 2% pyrite>>			12.32	12.75	0.43	G277676	0.75	1455	45	53	-2
<<Min: 12.49 - 12.51 0.01% gold>>			12.75	14.20	1.45	G277677	-0.005	61	72	73	-2
<<Min: 12.49 - 12.51 0.01% tetrahedrite>>			14.20	15.89	1.69	G277678	-0.005	61	73	78	-2
<<Min: 12.75 - 16.75 0.1% pyrite>>			15.89	17.39	1.50	G277679	1.975	450	74	88	-2
<<Min: 16.75 - 18.51 5% pyrite>>			17.39	18.51	1.12	G277681	7.78	1890	159	50	-2
<<Alt: 12.32 - 12.75 moderate Ankerite>>											
<<Alt: 12.75 - 16.75 weak Ankerite>>											
<<Alt: 16.75 - 18.51 strong Ankerite>>											
<<Vein: 12.49 - 12.51 Quartz 50 deg. >> VG-bearing											



# Drill Log

Project:

Cassiar

Hole Number:

TA12-15

From (m) To (m) Rocktype & Description

<<Struc: 13.07 - 13.86 moderate Fractured>>

<<Struc: 14.84 - 15.04 strong Fractured>>

<<Struc: 15.89 - 17.39 strong Fractured>>

**18.51 18.84 T5 Quartz Vein**

<<Min: 18.51 - 18.84 0.5% pyrite>>

<<Vein: 18.51 - 18.84 Quartz>>

**18.84 19.14 T2 Basalt - Altered**

<<Min: 18.84 - 19.14 8% pyrite>>

<<Alt: 18.84 - 19.14 moderate Ankerite>>

**19.14 20.11 T5 Quartz Vein**

<<Min: 19.14 - 20.11 0.01% tetrahedrite>>

<<Min: 19.14 - 20.11 1% pyrite>>

<<Vein: 19.14 - 20.11 Quartz>>

**20.11 23.99 T2 Basalt - Altered**

<<Min: 20.11 - 20.49 3% pyrite>>

<<Min: 20.49 - 39.74 0.1% pyrite>>

<<Alt: 20.11 - 23.99 moderate Ankerite>>

<<Vein: 21.42 - 21.44 Quartz 20 deg. >>

<<Vein: 22.36 - 22.37 Quartz 25 deg. >>

<<Vein: 23.4 - 23.405 Quartz 20 deg. >>

**23.99 25.40 T1 Basalt**

**25.40 32.98 T2 Basalt - Altered**

<<Alt: 25.4 - 27.03 weak Ankerite>>

<<Alt: 27.03 - 28.84 moderate Ankerite>>

<<Alt: 28.84 - 32.98 weak Ankerite>>

<<Vein: 27.31 - 27.32 Quartz 30 deg. >>

<<Vein: 28.87 - 28.88 Quartz 25 deg. >>

<<Struc: 26.11 - 27.16 weak Fractured>>

**32.98 35.46 T1 Basalt**

**35.46 45.92 T2 Basalt - Altered**

<<Min: 39.74 - 39.99 3% pyrite>>

<<Min: 39.74 - 39.99 3% arsenopyrite>>

<<Min: 39.99 - 41.42 0.5% pyrite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
18.51	20.11	1.60	G277682	15.4	3580	21	108	-2
20.11	20.60	0.49	G277683	1.985	1380	61	61	-2
20.60	22.30	1.70	G277684	0.01	70	63	92	-2
22.30	23.99	1.69	G277685	-0.005	18	42	125	-2
23.99	25.40	1.41	G277686	-0.005	4	58	113	-2
25.40	27.03	1.63	G277687	-0.005	28	60	102	-2
27.03	28.84	1.81	G277688	0.088	1295	47	65	-2
28.84	31.00	2.16	G277689	-0.005	22	269	99	-2
31.00	32.98	1.98	G277691	-0.005	5	51	104	-2
32.98	35.46	2.48	G277692	-0.005	5	63	101	-2
35.46	37.50	2.04	G277693	0.052	11	52	105	-2
37.50	39.34	1.84	G277694	0.111	37	70	107	-2
39.34	40.02	0.68	G277695	0.63	9620	65	106	-2
40.02	41.42	1.40	G277696	0.108	564	60	79	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-15

From (m) To (m) Rocktype & Description

<<Min: 41.42 - 89.14 0.1% pyrite>>  
 <<Alt: 35.46 - 39.34 weak Ankerite>>  
 <<Alt: 39.34 - 40.42 strong Ankerite>>  
 <<Alt: 40.42 - 45.92 moderate Ankerite>>  
 <<Vein: 36.53 - 36.57 Quartz 25 deg. >>  
 <<Vein: 37.19 - 37.2 Quartz 25 deg. >>  
 <<Vein: 37.69 - 37.74 Quartz 25 deg. >> Vuggy extension vein  
 <<Vein: 38.98 - 38.985 Quartz 25 deg. >>  
 <<Vein: 39.77 - 39.78 Quartz 25 deg. >>  
 <<Vein: 39.97 - 39.98 Quartz 15 deg. >>  
 <<Vein: 41.84 - 41.9 Quartz 20 deg. >>  
 <<Struc: 41.42 - 42.45 moderate Fractured>>  
 <<Struc: 43.87 - 44.7 moderate Fractured>>

**45.92 59.99 T1 Basalt**

<<Alt: 50.78 - 53.73 strong Clay>>  
 <<Vein: 45.92 - 45.93 Quartz 30 deg. >>  
 <<Struc: 47.19 - 47.73 strong Fractured>>  
 <<Struc: 50.78 - 53.73 moderate fault gouge>>  
 <<Struc: 55.89 - 56.23 intense Fractured>>

**59.99 77.53 T2 Basalt - Altered**

<<Alt: 59.99 - 77.53 moderate Ankerite>>  
 <<Vein: 63.63 - 63.64 Quartz 25 deg. >> Distinctive green carbonate  
 <<Vein: 65.29 - 65.36 Quartz 30 deg. >> Distinctive green carbonate  
 <<Struc: 59.99 - 63.41 strong Brecciated >> Graphite + Pyrite crackle breccia  
 <<Struc: 62.8 - 63.13 weak Fractured>>  
 <<Struc: 68.51 - 70.22 moderate Brecciated >> Graphite + Pyrite crackle breccia

**77.53 78.00 T5 Quartz Vein**

<<Vein: 77.53 - 77.78 Quartz>>

**78.00 80.60 T2 Basalt - Altered**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
41.42	43.87	2.45	G277697	0.024	125	57	86	-2
43.87	44.70	0.83	G277698	-0.005	85	53	117	2
44.70	45.92	1.22	G277699	0.007	188	61	112	-2

45.92	48.00	2.08	G277701	0.007	9	80	111	-2
48.00	49.50	1.50	G277702	-0.005	11	60	115	2
49.50	50.78	1.28	G277703	-0.005	10	75	115	2
50.78	52.36	1.58	G277704	-0.005	18	161	115	-2
52.36	53.73	1.37	G277705	-0.005	8	61	112	-2
53.73	55.80	2.07	G277706	-0.005	7	68	102	-2
55.80	57.90	2.10	G277707	-0.005	16	63	112	-2
57.90	59.97	2.07	G277708	-0.005	41	72	93	-2
59.97	61.70	1.73	G277709	0.069	977	76	80	-2
61.70	63.41	1.71	G277711	-0.005	95	73	94	-2
63.41	65.10	1.69	G277712	-0.005	77	61	101	-2
65.10	66.85	1.75	G277713	0.029	102	59	101	-2
66.85	68.51	1.66	G277714	-0.005	92	64	109	-2
68.51	70.22	1.71	G277715	0.286	1560	56	104	-2
70.22	72.10	1.88	G277716	-0.005	188	67	104	-2
72.10	74.00	1.90	G277717	-0.005	95	67	120	-2
74.00	75.90	1.90	G277718	-0.005	88	59	113	-2
75.90	77.53	1.63	G277719	-0.005	87	50	113	-2
77.53	78.00	0.47	G277721	-0.005	18	18	21	-2

78.00	79.30	1.30	G277722	0.064	63	35	93	-2
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-15

From (m) To (m) Rocktype & Description

<<Min: 78.41 - 78.415 0.01% tetrahedrite>>

<<Alt: 78 - 80.6 moderate Ankerite>>

**80.60 83.88 T1 Basalt**

<<Struc: 81.94 - 82.26 moderate Fractured>>

**83.88 108.18 T2 Basalt - Altered**

<<Min: 89.14 - 90.34 0.5% pyrite>>

<<Min: 90.34 - 93.5 0.1% pyrite>>

<<Min: 93.5 - 94.01 0.5% pyrite>>

<<Min: 94.01 - 94.43 3% pyrite>>

<<Min: 94.01 - 94.43 2% arsenopyrite>>

<<Min: 94.43 - 94.98 0.5% pyrite>>

<<Min: 94.98 - 98.86 0.1% pyrite>>

<<Min: 97.56 - 97.62 0.1% tetrahedrite>>

<<Min: 98.86 - 101.46 1% pyrite>>

<<Min: 104.94 - 116.26 0.1% pyrite>>

<<Alt: 83.88 - 86.22 weak Ankerite>>

<<Alt: 86.22 - 108.18 moderate Ankerite>>

<<Vein: 89.86 - 89.862 Quartz 10 deg. >>

<<Vein: 90.02 - 90.03 Calcite 20 deg. >>

<<Vein: 90.11 - 90.111 Quartz 10 deg. >>

<<Vein: 94.22 - 94.26 Quartz 35 deg. >>

<<Vein: 97.56 - 97.62 Quartz 30 deg. >>

<<Vein: 98.36 - 98.375 Quartz 25 deg. >>

<<Vein: 101.19 - 101.21 Quartz 30 deg. >>

<<Vein: 102.05 - 102.06 Quartz 40 deg. >>

<<Vein: 104.03 - 104.06 Quartz 30 deg. >>

<<Vein: 104.8 - 104.82 Quartz 25 deg. >>

<<Struc: 89.6 - 90.52 weak Fractured>>

<<Struc: 100.5 - 102.88 moderate Fractured>>

<<Struc: 104.94 - 107.21 moderate Brecciated >>

**108.18 113.81 T1 Basalt**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
79.30	80.60	1.30	G277723	0.006	40	50	115	-2
80.60	82.26	1.66	G277724	-0.005	12	79	112	-2
82.26	83.88	1.62	G277726	-0.005	2	71	103	-2
83.88	85.04	1.16	G277727	-0.005	31	69	101	-2
85.04	86.22	1.18	G277728	-0.005	60	53	109	-2
86.22	87.53	1.31	G277729	-0.005	75	57	127	-2
87.53	89.14	1.61	G277731	0.005	80	73	141	-2
89.14	90.34	1.20	G277732	0.111	161	31	81	-2
90.34	91.90	1.56	G277733	0.061	71	62	132	3
91.90	93.50	1.60	G277734	-0.005	83	50	126	4
93.50	94.01	0.51	G277735	0.029	332	57	119	3
94.01	94.43	0.42	G277736	6.27	10000. 1	26	75	2
94.43	94.98	0.55	G277737	0.077	1340	51	106	-2
94.98	97.00	2.02	G277738	-0.005	102	42	132	-2
97.00	98.00	1.00	G277739	0.046	97	37	66	2
98.00	98.86	0.86	G277741	0.01	71	21	136	-2
98.86	100.50	1.64	G277742	0.126	117	52	122	2
100.50	101.46	0.96	G277743	1.425	341	43	61	-2
101.46	102.88	1.42	G277744	0.007	121	77	77	3
102.88	104.94	2.06	G277745	-0.005	128	47	85	-2
104.94	106.30	1.36	G277746	4.38	10000. 1	52	78	4
106.30	107.21	0.91	G277747	0.504	1005	31	86	-2
107.21	108.18	0.97	G277748	0.012	181	55	101	-2
108.18	110.10	1.92	G277749	-0.005	47	77	95	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-15

From (m) To (m) Rocktype & Description

**113.81 116.79 T2 Basalt - Altered**

<<Min: 116.26 - 116.79 10% pyrite>>  
 <<Alt: 113.81 - 114.16 moderate Ankerite>>  
 <<Alt: 114.16 - 116.79 intense Ankerite>>  
 <<Vein: 114.28 - 114.29 Quartz 80 deg. >>  
 <<Vein: 116.28 - 116.285 Quartz 40 deg. >>  
 <<Struc: 113.81 - 115.36 moderate Brecciated >>  
 <<Struc: 115.36 - 119.13 moderate Sheared 35 deg. >> Shearing confined to several 5-10cm thick intervals

**116.79 117.23 T5 Quartz Vein**

<<Min: 116.79 - 117.23 0.1% pyrite>>  
 <<Alt: 117.22 - 119.13 strong Ankerite>>  
 <<Vein: 116.79 - 117.23 Quartz>>

**117.23 119.13 T2 Basalt - Altered**

**119.13 121.86 SHZ Shear Zone**

<<Min: 119.13 - 121.86 0.5% pyrite>>  
 <<Struc: 119.13 - 121.86 intense Sheared>>

**121.86 124.09 5B Chert**

<<Min: 121.86 - 133.94 0.1% pyrite>>  
 <<Struc: 121.86 - 123.15 strong fault gouge>>  
 <<Struc: 123.15 - 124.09 strong Fractured>>

**124.09 132.79 T7 Argillaceous Chert**

<<Struc: 124.09 - 130.35 intense Fractured>>  
 <<Struc: 130.35 - 136.86 moderate Fractured>>

**132.79 133.47 5DD Argillite**

**133.47 133.99 5B Chert**

**133.99 135.32 5DD Argillite**

**135.32 135.69 5B Chert**

**135.69 136.86 5DD Argillite**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
110.10	112.00	1.90	G277751	-0.005	23	75	95	-2
112.00	113.81	1.81	G277752	-0.005	22	70	99	-2
113.81	114.78	0.97	G277753	-0.005	96	62	106	-2
114.78	115.80	1.02	G277754	-0.005	61	57	88	-2
115.80	116.79	0.99	G277755	0.496	483	27	62	-2

116.79	117.23	0.44	G277756	0.228	123	1	5	-2
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117.23	118.20	0.97	G277757	0.11	99	65	76	-2
118.20	119.13	0.93	G277758	0.19	90	44	76	-2
119.13	120.40	1.27	G277759	0.537	455	17	22	-2
120.40	121.86	1.46	G277761	0.747	588	29	16	2

121.86	124.09	2.23	G277762	0.309	154	114	40	-2
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## Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-15**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>End of Hole @ 136.86</b>											

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-16

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:	Ron Voordouw	Date Started:	10/07/2012
UTM Easting:	460198.88	Core Size:	NQ	Azimuth:	200	Date Completed:	11/07/2012
UTM Northing:	6570312.5	Casing Pulled?:	<input type="checkbox"/>	Dip:	-60	Drill Company:	Apex
UTM Elev. (m):	1075.888	Casing Depth (m):		Length (m):	130.76	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	09/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	10/07/2012
Local Elev. (m):							
Comments:							

Test below a number of high grade intercepts in the Sable area. Dominantly altered basalt and faulted QZ veins with several well mineralized zones along QZ vein margins containing PY±AS. Towards bottom of hole laminated chert and argillite are present and strongly faulted with very minor PY, followed by competent and unmineralized pillow basalt. Followed up on by hole TA12-17.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
14.94	-59.8	181.9	24.5	206.4	EZShot		09/07/2012	5744	<input checked="" type="checkbox"/>	
63.7	-60.1	184.7	24.5	209.2	EZShot		09/07/2012	5754	<input checked="" type="checkbox"/>	
112.47	-60.8	190.3	24.5	214.8	EZShot		09/07/2012	5721	<input checked="" type="checkbox"/>	
130.76	-60.5	174.7	24.5	199.2	EZShot		09/07/2012	56.43	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>2.74</b>	<b>6.60</b>	<b>T1 Basalt</b>	<b>grey-green</b>	<b>FMG</b>	6.00	7.10	1.10	G277763	11.85	10000.1	76 50 3
2.74 - 6.6: Broken, oxidized, dark grey-green basalt. Unmineralized.											
<b>6.60</b>	<b>6.90</b>	<b>T5 Quartz Vein</b>	<b>white</b>	<b>VFG</b>							
6.6 - 6.9: Broken QZ vein with bands of disseminated AS and PY. Average angle 35 tca.											
<<Min: 6.6 - 6.9 1% pyrite>> Present in AS bands.											
<<Min: 6.6 - 6.9 3% arsenopyrite>> Bands of finely disseminated grains.											
<<Vein: 6.6 - 6.9 Quartz>>											
<b>6.90</b>	<b>8.60</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FG</b>	7.10	8.60	1.50	G277764	1.6	2850	63 78 -2
6.9 - 8.6: Light grey altered basalt between two QZ veins. Weak AK alteration. Minor shear present with banded PY.											
<<Min: 6.9 - 8.6 2% pyrite>> Fine to coarse hedrons and blebs.											
<<Alt: 6.9 - 8.6 weak Ankerite>>											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-16

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
8.60	9.10	2.10	G277765	8.23	1565	53	50	-2
10.70	12.70	2.00	G277766	0.739	664	48	39	-2
12.70	14.80	2.10	G277767	2.39	1265	39	70	2
14.80	18.00	3.20	G277768	0.02	52	72	113	-2
23.80	25.80	2.00	G277769	0.048	65	56	109	-2
25.80	27.13	1.33	G277771	0.04	15	510	101	-2

<<Struc: 7.5 - 7.5 weak Sheared 35 deg. >>

**8.60 9.10 T5 Quartz Vein white VFG**

8.6 - 9.1: Broken, unmineralized QZ vein but with mineralization along margins in bounding units. Angles 35-60 tca.

<<Vein: 8.6 - 9.1 Quartz>>

**9.10 11.50 T2 Basalt - Altered light grey FMG**

9.1 - 11.5: Competent to shattered, light grey, altered basalt. Unit is between two QZ veins and contains disseminated PY.

<<Min: 9.1 - 11.3 3% pyrite>> fgr to cgr hedrons and blebs.

<<Alt: 9.1 - 11.5 weak Ankerite>>

<<Struc: 10 - 11.7 moderate fault 25 deg. >> Broken up zone ending with gouge/rubble at margin of QZ vein.

**11.50 12.70 T5 Quartz Vein white VFG**

11.5 - 12.7: Semi-competent QZ vein with clasts of wall rock up to 8 cm in length and small zone of QZ gouge. Mineralization present mainly in and along margins of wall rock clasts. Angles 30-35 tca.

<<Min: 11.5 - 12.7 2% pyrite>> Large clots up to 2 cm in size, mainly found on margins of wall rock clasts.

<<Min: 11.5 - 12.7 0.01% arsenopyrite>>

<<Vein: 11.5 - 12.7 Quartz>>

**12.70 15.00 T2 Basalt - Altered light grey FG**

12.7 - 15: Broken, light grey, altered basalt. Contains disseminated PY, decreasing in content away from upper contact with QZ vein.

<<Min: 12.7 - 13.5 3% pyrite>> fgr to cgr hedrons and blebs, more concentrated along contact with QZ vein.

<<Min: 13.5 - 15 0.5% pyrite>>

<<Alt: 12.7 - 15 weak Silicification >>

<<Struc: 12.7 - 14.8 weak fault>> Broken zone after QZ vein ending in gouge. Angle hard to determine but quite shallow.

**15.00 18.80 T1 Basalt grey-green FMG**

15 - 18.8: Broken to clay-altered, grey-green basalt. 50 cm stretch of gouge in center of unit but unmineralized.

<<Vein: 17.12 - 17.2 70% Quartz 32 deg. >> QZ-DOL vein with fibrous texture along margins. Broken up by minor fault.

<<Struc: 15.3 - 16 strong fault 25 deg. >> Gouge zone with intense clay alteration. Angles 20-30 tca.

**18.80 26.50 T2 Basalt - Altered light grey FMG**

18.8 - 26.5: Competent, light grey, altered basalt. Nearly unaltered, but with weak silica alteration giving it light grey color. Unmineralized.

<<Min: 23.8 - 26.5 0.1% pyrite>>

# Drill Log

Project:

Cassiar

Hole Number:

TA12-16

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME- ICP41	Zn ppm ME- ICP41	Pb ppm ME- ICP41
<<Alt: 18.8 - 26.5 weak Silicification >> <<Struc: 24.08 - 26.7 weak fault 15 deg. >> Broken zone with several areas of slip, ending in a small patch of rubble/gouge. Angles 10-20 tca.											
<b>26.50</b>	<b>33.32</b>	<b>T1 Basalt</b>	<b>grey-green</b>	<b>FMG</b>							
26.5 - 33.32: Semi-competent, dark grey-green basalt. A few areas of minor slip nearly parallel to core axis.											
<<Min: 33.22 - 35 0.5% pyrite>> <<Alt: 33.22 - 39.32 weak Silicification >> <<Struc: 26.6 - 26.7 weak fault 24 deg. >> Small rubble zone next to QZ vein. <<Struc: 28.8 - 29.4 weak fault 10 deg. >> Broken up zone with slickenlines parallel to core axis. <<Struc: 33 - 39.32 weak fault 5 deg. >> Broken up zone with brecciated QZ-DOL vein and slip down the core axis.											
<b>33.32</b>	<b>39.32</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FG</b>							
33.32 - 39.32: Broken, light grey, altered basalt. Weak silica alteration with minor brecciated QZ-DOL veins. Minor faulting nearly parallel to core axis.											
<b>39.32</b>	<b>41.30</b>	<b>T1 Basalt</b>	<b>grey-green</b>	<b>FMG</b>							
39.32 - 41.3: Semi-competent, dark grey-green basalt.											
<b>41.30</b>	<b>43.20</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FG</b>							
41.3 - 43.2: Semi-competent, light grey, altered basalt. Disseminated PY throughout with broken interval at lower contact with QZ vein.											
<<Min: 41.3 - 43.2 5% pyrite>> fgr to cgr blebs and hedrons. <<Min: 41.3 - 43.2 0.01% arsenopyrite>> <<Alt: 41.3 - 43.2 moderate Actinolite>> <<Vein: 42.15 - 43.2 8% Quartz 30 deg. >> QZ-DOL veins with slip along margins. Fibrous margins.											
<b>43.20</b>	<b>43.44</b>	<b>T5 Quartz Vein</b>	<b>white</b>	<b>VFG</b>							
43.2 - 43.44: Broken up QZ vein with 10% PY as large aggregates several cm in size.											
<<Min: 43.2 - 44 10% pyrite>> <<Vein: 43.2 - 43.44 Quartz-Dolomite>>											
<b>43.44</b>	<b>47.00</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FG</b>							
43.44 - 47: Broken, light grey, altered basalt. Weak AK alteration. Slip nearly parallel to core axis.											
<<Min: 44 - 46.8 0.5% pyrite>> fgr to mgr blebs and hedrons. <<Alt: 44 - 46.8 weak Ankerite>>											



# Drill Log

Project:

Cassiar

Hole Number:

TA12-16

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Vein: 46 - 46.1 30% Quartz 33 deg. >> QZ vein with fibrous margins.											
<b>47.00</b>	<b>48.30</b>	<b>T5 Quartz Vein</b>									
		<b>white</b>									
		<b>VFG</b>	47.00	48.30	1.30	G277781	1.525	4340	178	51	-2
47 - 48.3: Multiple QZ veins with some wall rock bits in between. Angles 10-20 tca. PY and AS present along vein margins in wall rock bits.											
<<Min: 47 - 48.3 0.5% pyrite>> <<Min: 47 - 48.3 0.5% arsenopyrite>> <<Vein: 47 - 48.3 Quartz>> <<Struc: 47 - 48.46 moderate fault 15 deg. >> Faulting along QZ vein margins. Angles 10-20 tca.											
<b>48.30</b>	<b>53.20</b>	<b>T2 Basalt - Altered</b>									
		<b>medium grey</b>									
		<b>FG</b>	48.30	49.00	0.70	G277783	2.47	1965	134	66	2
48.3 - 53.2: Broken, light grey, altered basalt with weak AK alteration. Mineralization at upper contact with QZ vein.											
<<Min: 48.3 - 50.8 4% pyrite>> fgr to cgr blebs and hedrons. <<Min: 48.3 - 50.8 0.01% arsenopyrite>> Finely disseminated in trace amounts. <<Alt: 48.3 - 53.2 weak Ankerite>> <<Struc: 50.8 - 54.8 moderate fault 10 deg. >> Fault zone centered on QZBX unit. Gouge at center with bounding zones of strong fracturing.											
<b>53.20</b>	<b>53.60</b>	<b>T5 Quartz Vein</b>									
		<b>white</b>									
		<b>VFG</b>	49.00	51.00	2.00	G277784	2.1	1955	85	55	2
53.2 - 53.6: Shattered QZ vein with altered basalt gouge at center of fault zone. Fine grained PY and AS disseminated through gouge.											
<<Min: 53.2 - 53.6 0.2% pyrite>> <<Min: 53.2 - 53.6 0.01% arsenopyrite>> <<Vein: 53.2 - 53.6 Quartz>>											
<b>53.60</b>	<b>56.15</b>	<b>T2 Basalt - Altered</b>									
		<b>medium grey</b>									
		<b>FG</b>	53.60	55.30	1.70	G277786	0.456	549	64	48	-2
53.6 - 56.15: Broken, light grey, altered basalt. Fractured near upper contact with QVBX fault zone where there is PY mineralization.											
<<Min: 54.5 - 55.3 5% pyrite>> fgr to cgr blebs and hedrons. <<Alt: 53.6 - 56.15 weak Ankerite>> <<Vein: 54.7 - 54.8 Quartz>> <<Vein: 54.7 - 55.29 10% Quartz 20 deg. >> QZ veins 15-30 tca.											
<b>56.15</b>	<b>57.00</b>	<b>T5 Quartz Vein</b>									
		<b>white</b>									
		<b>VFG</b>	55.30	57.00	1.70	G277787	1.37	185	29	39	-2
56.15 - 57: Semi-competent QZ vein with bits of wall rock. Angles 10-20 tca. Mineralization in wall rock bits.											
<<Min: 56.15 - 57 1% pyrite>> In bits of wall rock in QZ vein. <<Vein: 56.15 - 57 Quartz>>											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-16

From (m) To (m) Rocktype & Description

**57.00 66.80 T2 Basalt - Altered light grey FMG**

57 - 66.8: Competent, fgr to mgr, light grey to dark grey, altered basalt. Unit most altered near upper contact with QZ vein, grading to less altered near lower contact with T1.

<<Min: 57 - 58.9 4% pyrite>> fgr to cgr blebs and hedrons near upper contact with QZ vein.

<<Min: 65 - 66.85 0.1% pyrite>>

<<Alt: 57 - 66.8 weak Ankerite>>

<<Vein: 63.9 - 64 80% Quartz 70 deg. >> Single dark QZ vein. Unmineralized.

<<Vein: 65 - 66.85 5% Quartz 25 deg. >> Dark QZ-calcite veins approaching altered basalt unit. Angles 20-30 tca.

<<Struc: 58.9 - 59.1 weak fault 25 deg. >> Weak fault in altered basalt. Ends with mineralization (post-mineralized).

<<Struc: 62.75 - 63.7 weak fault 7 deg. >> Angles 5-10 tca.

<<Struc: 65 - 65.4 weak fault 25 deg. >> Angles 20-30 tca.

**66.80 74.00 T1 Basalt grey-green FMG**

66.8 - 74: Competent, dark grey-green, fgr to mgr basalt. QZ-calcite veining and fracturing approaching lower contact with altered basalt.

<<Min: 71 - 74 0.01% pyrite>>

<<Vein: 71 - 74 3% Quartz 25 deg. >> Numerous small QZ-calcite veins approaching lower contact with altered basalt. Trace PY.

<<Struc: 70.6 - 70.8 weak fault 40 deg. >> Angles 30-50.

**74.00 76.70 T2 Basalt - Altered light grey FG**

74 - 76.7: Semi-competent, light grey, weakly AK altered basalt. PY mineralization approaching lower contact with QZ vein.

<<Min: 74 - 75 0.5% pyrite>>

<<Min: 75 - 76.7 8% pyrite>> fgr to cgr blebs and hedrons. Most intense closest to contact with QZ vein.

<<Alt: 74 - 76.7 weak Ankerite>>

**76.70 77.60 T5 Quartz Vein white VFG**

76.7 - 77.6: Shattered QZ vein marking moderate fault, with numerous fractures and clasts of wall rock. Vein angles 10-20 tca.

<<Min: 76.7 - 77.6 0.5% tetrahedrite>> vfgr bands

<<Min: 76.7 - 77.6 5% pyrite>> aggregates up to several cm in size.

<<Vein: 76.7 - 77.6 Quartz>>

<<Struc: 76.7 - 77.6 moderate fault 15 deg. >> Angles 10-20 tca.

**77.60 84.27 T2 Basalt - Altered light grey FG**

77.6 - 84.27: Semi-competent, light grey, weakly AK altered basalt. Several notable QZ veins and disseminated PY.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
57.00	59.00	2.00	G277788	0.398	497	51	50	-2

59.00	61.00	2.00	G277789	-0.005	168	74	66	-2
61.00	62.75	1.75	G277791	-0.005	89	54	77	-2
62.75	64.30	1.55	G277792	-0.005	75	56	88	-2
64.30	66.00	1.70	G277793	-0.005	73	70	111	-2
66.00	67.00	1.00	G277794	-0.005	20	66	94	-2

71.00	73.00	2.00	G277795	-0.005	21	66	94	-2
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73.00	74.00	1.00	G277796	-0.005	34	62	97	-2
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74.00	75.00	1.00	G277797	0.279	138	82	78	-2
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75.00	76.70	1.70	G277798	1.36	1210	37	35	2
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76.70	77.60	0.90	G277799	0.806	1145	2	31	3
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77.60	79.60	2.00	G277801	1.155	814	32	51	-2
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-16

From (m)	To (m)	Rocktype & Description
<<Min: 77.6 - 83	>>	5% pyrite>> fgr to cgr blebs and hedrons.
<<Min: 84.2 - 85.1	>>	0.5% pyrite>> finely disseminated in gouge at center of fault zone.
<<Alt: 77.6 - 83	>>	weak Ankerite>>
<<Vein: 77.6 - 83	>>	15% Quartz 30 deg. >> QZ±calcite veins with fibrous margins.
<<Struc: 83 - 88.09	>>	weak Slickens 20 deg. >> Angles 10-30 tca.
<<Struc: 83 - 88.09	>>	strong fault 30 deg. >> Angles 10-50 tca.
<b>84.27</b>	<b>88.90</b>	<b>T2 Basalt - Altered beige FCG</b>
84.27 - 88.9: Altered basalt breccia zone with clasts of altered and un-altered basalt and central zone of strong gouge (84.5-85m). Shear texture present where not completely demolished, likely overprinted by later faulting.		
<<Alt: 88.09 - 91.3	>>	moderate Calcite>>
<b>88.90</b>	<b>91.30</b>	<b>T1 Basalt grey-green FMG</b>
88.9 - 91.3: Competent, dark grey-green basalt. Moderate, pervasive calcite alteration.		
<b>91.30</b>	<b>94.50</b>	<b>SHZN Shear Zone brown FCG</b>
91.3 - 94.5: Sheared, dark grey-black argillite to argillaceous chert. Contains numerous fragments of QZ±calcite veins stretched parallel to foliation. Brecciated in some areas, likely late brittle overprint. Foliation average 35 tca.		
<<Min: 91.3 - 94.5	>>	0.01% pyrite>> Trace, finely disseminated PY.
<<Struc: 91.3 - 94.5	>>	Sheared 35 deg. >> Angles 30-40 tca.
<b>94.50</b>	<b>100.38</b>	<b>T7 Argillaceous Chert medium grey FMG</b>
94.5 - 100.38: Semi-competent, fractured, finely laminated argillaceous chert. Laminations may be transposed due to shearing, with overall foliation angle 45 tca. Contains trace finely disseminated PY.		
<<Min: 94.5 - 106.38	>>	0.01% pyrite>>
<<Struc: 94.5 - 106.38	>>	strong Finely laminated/laminated/finely bedded 45 deg. >> Angles 40-50 tca. May be laminations and/or shear fabric. Also plane of fracturing.
<b>100.38</b>	<b>112.47</b>	<b>5B Chert medium grey FCG</b>
100.38 - 112.47: Brecciated grey chert. Unit contains chert fragments and gouge, and is strongly fractured. Banding from 30-50 degrees may be laminations and/or shear fabric. Contains trace disseminated PY and a single PY vein.		
<<Vein: 106.1 - 106.2	>>	8% Pyrite 43 deg. >> Single PY vein.
<<Struc: 106.38 - 112.47	>>	strong Finely laminated/laminated/finely bedded 40 deg. >> Angles 30-50 tca. May be laminations and/or shear fabric. Also plane of fracturing and faulting.
<b>112.47</b>	<b>119.00</b>	<b>5DD Argillite dark grey FCG</b>
112.47 - 119: Dark grey, brecciated argillite. Strong gouge interval at end of unit. Contains a few QZ veins with very minor finely disseminated PY.		

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
79.60	81.60	2.00	G277802	2.32	1050	20	43	-2
81.60	83.00	1.40	G277803	0.961	443	55	67	2
83.00	85.00	2.00	G277804	0.254	202	53	85	-2
85.00	87.00	2.00	G277805	-0.005	69	58	97	2
87.00	88.09	1.09	G277806	0.006	120	66	65	-2
88.09	89.40	1.31	G277807	-0.005	6	74	73	2
89.40	91.30	1.90	G277808	-0.005	-2	74	71	-2
91.30	93.00	1.70	G277809	0.154	55	53	72	6
93.00	94.50	1.50	G277811	-0.005	14	64	42	5
106.00	106.50	0.50	G277812	0.055	20	72	81	27
114.30	115.90	1.60	G277813	0.007	27	85	46	6

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-16**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
		<<Min: 115.55 - 115.65 0.05% pyrite>> Finely disseminated in QZ vein.									
		<<Vein: 112.5 - 112.6 60% Quartz 45 deg. >> QZ vein. Unmineralized.									
		<<Vein: 115.55 - 115.65 50% Quartz 60 deg. >> QZ vein with very minor disseminated PY.									
<b>119.00</b>	<b>130.76</b>	<b>T1F Magnetic/Jasper Pillow Basalt dark grey</b>									
119 - 130.76: Dark grey, unaltered pillow basalt. Inter-pillow areas filled by QZ, calcite, jasper, and basalt fragments. Strongly magnetic, unmineralized.											
		<<Struc: 121.2 - 121.82 strong fault gouge>> Strongly altered pillow basalt at end of fault zone.									
<b>End of Hole @ 130.76</b>											

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-17

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ron Voordouw
Grid:		Hole Diameter:	4 3/4	Survey By:	Ron Voordouw	Date Started:	11/07/2012
UTM Easting:	460198.88	Core Size:	NQ	Azimuth:	200	Date Completed:	11/07/2012
UTM Northing:	6570312.5	Casing Pulled?:	<input type="checkbox"/>	Dip:	-75	Drill Company:	Apex
UTM Elev. (m):	1075.888	Casing Depth (m):		Length (m):	95.71	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title:		Drill Started:	10/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	11/07/2012
Local Elev. (m):							
Comments:							

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
14.94	-75	180.8	24.5	205.3	EZShot		10/07/2012	5735	<input checked="" type="checkbox"/>	
55.41	-75.7	181.8	24.5	206.3	EZShot		10/07/2012	5747	<input checked="" type="checkbox"/>	
91.14	-75.5	185.7	24.5	210.2	EZShot		10/07/2012	5711	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME- ICP41	Zn ppm ME- ICP41	Pb ppm ME-
<b>0.00</b>	<b>2.10</b>	<b>OVB</b>									
<b>2.10</b>	<b>13.26</b>	<b>T2</b>									
<<Min: 12.8 - 13.26 1% pyrite>> <<Alt: 2.1 - 7.3 strong Fe-Carbonate>> Oxidation - different from ankeritic alteration.f A near surface process that is particularly deephere <<Alt: 7.3 - 13.26 moderate Ankerite>> <<Vein: 3.5 - 3.503 Quartz 10 deg. >> One of many veins almost parallel to core axis - plus this hole is full of structure. Connection? <<Vein: 12.39 - 12.55 Quartz>> No core axis measurable <<Struc: 6.05 - 7.3 strong Fractured>> <<Struc: 7.3 - 14.1 moderate Fractured>>			2.10	4.20	2.10	G277814	0.221	172	70	89	-2
			4.20	5.82	1.62	G277815	0.008	102	52	106	-2
			5.82	7.30	1.48	G277816	0.007	135	39	90	-2
			7.30	9.10	1.80	G277817	0.009	10	54	102	-2
			9.10	10.90	1.80	G277818	0.005	9	28	110	2
			10.90	13.26	2.36	G277819	0.045	49	52	92	-2
			13.26	13.78	0.52	G277821	1.91	517	2	27	2
<b>13.26 13.78 T5 Quartz Vein</b> 13.26 - 13.78: QZ-AK-Py vein at 20 TCA (steep like most other veins) <<Min: 13.26 - 13.78 0.1% pyrite>> <<Vein: 13.26 - 13.78 Quartz-Ankerite 20 deg. >>											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-17

From (m) To (m) Rocktype & Description

**13.78 25.54 T2 Basalt - Altered**

<<Min: 13.78 - 19.58 5% pyrite>>  
 <<Min: 13.78 - 19.58 0.5% arsenopyrite>>  
 <<Alt: 13.78 - 19.58 strong Ankerite>>  
 <<Alt: 19.58 - 25.54 moderate Ankerite>>  
 <<Vein: 14.18 - 14.181 Quartz 15 deg. >> Swarm of text-book style extension veins (photographeed)  
 <<Vein: 15.7 - 15.702 Quartz 15 deg. >>  
 <<Vein: 16.21 - 16.212 Quartz 25 deg. >>  
 <<Vein: 16.58 - 16.59 Quartz 15 deg. >>  
 <<Vein: 17.91 - 17.911 Quartz 0 deg. >>  
 <<Vein: 18.67 - 18.7 Quartz 20 deg. >>  
 <<Vein: 23.12 - 23.13 Quartz 30 deg. >>  
 <<Vein: 24.02 - 24.025 Ankerite 65 deg. >>  
 <<Vein: 25.11 - 25.13 Ankerite 25 deg. >>  
 <<Struc: 17.37 - 17.83 moderate Fractured>>

**25.54 27.24 T1 Basalt**

**27.24 27.81 T2 Basalt - Altered**

<<Alt: 27.24 - 27.81 moderate Ankerite>>  
**27.81 30.68 T1 Basalt**  
 <<Struc: 29.5 - 29.82 moderate fault gouge>>

**30.68 34.37 T2 Basalt - Altered**

<<Min: 33.19 - 34.37 5% pyrite>>  
 <<Alt: 30.68 - 33.19 moderate Ankerite>>  
 <<Alt: 33.19 - 34.37 strong Ankerite>>  
 <<Struc: 32.49 - 33.45 weak Fractured>>

**34.37 34.73 T5 Quartz Vein**

34.37 - 34.73: QZ-AK-CHL vein with 0.5% PY, especially along vein margin. Contacts are 10 TCA

<<Min: 34.37 - 34.73 0.5% pyrite>>  
 <<Vein: 34.37 - 34.73 Quartz-Ankerite 10 deg. >>

**34.73 35.81 T2 Basalt - Altered**

<<Min: 34.73 - 35 5% pyrite>>  
 <<Min: 35 - 42.54 0.1% pyrite>>  
 <<Alt: 34.73 - 35 strong Ankerite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
13.78	14.80	1.02	G277822	3.45	2140	97	51	-2
14.80	15.80	1.00	G277823	2.23	9270	18	44	3
15.80	16.80	1.00	G277824	3.65	7140	78	44	4
16.80	17.77	0.97	G277826	2.45	2600	22	50	3
17.77	18.80	1.03	G277827	1.925	2200	9	42	3
18.80	19.58	0.78	G277828	2.04	9010	38	62	-2
19.58	21.60	2.02	G277829	0.008	50	57	111	-2
21.60	23.60	2.00	G277831	-0.005	7	45	106	-2
23.60	25.54	1.94	G277832	-0.005	5	42	104	-2
25.54	27.25	1.71	G277833	-0.005	4	53	108	-2
27.25	27.81	0.56	G277834	-0.005	6	46	58	-2
27.81	29.30	1.49	G277835	-0.005	3	37	117	-2
29.30	30.68	1.38	G277836	-0.005	-2	47	126	-2
30.68	32.00	1.32	G277837	-0.005	6	44	154	-2
32.00	33.19	1.19	G277838	-0.005	7	41	125	-2
33.19	34.37	1.18	G277839	0.406	625	61	90	-2
34.37	34.73	0.36	G277841	25.8	314	2	30	-2
34.73	35.23	0.50	G277842	6.77	3830	12	44	2
35.23	35.81	0.58	G277843	0.009	12	29	58	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-17

From (m) To (m) Rocktype & Description

<<Alt: 35 - 35.81 moderate Ankerite>>

<<Struc: 35 - 35.5 moderate Fractured>>

**35.81 39.17 T1 Basalt**

<<Struc: 36.14 - 36.49 strong Fractured>>

<<Struc: 38.35 - 39.17 moderate Fractured>>

**39.17 66.81 T2 Basalt - Altered**

<<Min: 42.54 - 43.77 2% pyrite>>

<<Min: 43.77 - 46.08 7% pyrite>>

<<Min: 46.08 - 47.65 1% pyrite>>

<<Min: 47.65 - 48.02 7% pyrite>>

<<Min: 48.02 - 49.75 0.5% pyrite>>

<<Min: 49.75 - 50.59 2% pyrite>>

<<Min: 50.59 - 52.15 0.5% pyrite>>

<<Min: 52.15 - 59.64 7% pyrite>>

<<Min: 59.64 - 63.94 0.5% pyrite>>

<<Min: 63.94 - 65.96 3% pyrite>>

<<Alt: 39.17 - 40.97 weak Ankerite>>

<<Alt: 40.97 - 45.42 moderate Ankerite>>

<<Alt: 45.42 - 66.81 strong Ankerite>>

<<Vein: 46.27 - 46.28 Ankerite>> No core axis measurable

<<Vein: 47.36 - 47.38 Quartz 10 deg. >>

<<Vein: 49.32 - 49.33 Quartz 15 deg. >> Classic shear vein texture - photo taken

<<Vein: 53.19 - 53.21 Quartz 10 deg. >>

<<Vein: 54.75 - 54.76 Quartz 20 deg. >>

<<Vein: 55.8 - 55.81 Quartz 15 deg. >>

<<Vein: 56.16 - 56.17 Quartz>> Banded shear vein with unmeasurable core axis

<<Vein: 56.47 - 56.54 Quartz 15 deg. >>

<<Vein: 58.95 - 58.96 Quartz 15 deg. >>

<<Vein: 59.12 - 59.122 Quartz>> Unmeasurable TCA

<<Vein: 59.49 - 59.51 Quartz 15 deg. >>

<<Vein: 62.73 - 62.75 Quartz 20 deg. >> Cracked and dirty quartz; strong fabric along margin

<<Vein: 65.96 - 66.06 Quartz 25 deg. >> Cracked and dirty quartz; strong fabric along margin

<<Vein: 66.23 - 66.28 Quartz 25 deg. >> Cracked and dirty quartz; strong fabric along margin

<<Struc: 42.34 - 43.77 moderate fault gouge>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
35.81	37.50	1.69	G277844	0.007	5	71	102	-2
37.50	39.17	1.67	G277845	-0.005	7	70	117	-2
39.17	40.50	1.33	G277846	-0.005	8	74	88	-2
40.50	41.90	1.40	G277847	-0.005	22	69	121	-2
41.90	42.54	0.64	G277848	-0.005	57	47	145	-2
42.54	43.05	0.51	G277849	0.252	206	37	132	-2
43.05	43.77	0.72	G277851	2.58	1505	49	113	4
43.77	45.00	1.23	G277852	3.85	2010	30	56	-2
45.00	45.42	0.42	G277853	2.35	2680	10	22	3
45.42	46.08	0.66	G277854	0.747	1615	3	28	-2
46.08	46.90	0.82	G277855	0.139	300	1	30	-2
46.90	47.65	0.75	G277856	0.226	202	4	33	-2
47.65	48.15	0.50	G277857	3.15	956	60	71	-2
48.15	48.75	0.60	G277858	0.139	137	83	94	-2
48.75	49.75	1.00	G277859	2.12	1375	47	64	2
49.75	50.59	0.84	G277861	1.635	1095	64	64	-2
50.59	51.40	0.81	G277862	0.086	180	44	92	-2
51.40	52.15	0.75	G277863	0.54	135	52	87	-2
52.15	53.00	0.85	G277865	0.696	288	59	78	-2
53.00	54.40	1.40	G277866	1.73	575	57	69	-2
54.40	55.80	1.40	G277867	1.51	1280	46	58	2
55.80	56.80	1.00	G277868	1.095	860	44	38	2
56.80	57.70	0.90	G277869	1.03	875	62	87	2
57.70	58.60	0.90	G277871	1.22	833	85	80	-2
58.60	59.64	1.04	G277872	3.29	1085	18	44	2
59.64	60.70	1.06	G277873	0.009	141	41	86	2
60.70	61.80	1.10	G277951	0.043	105	66	84	-2
61.80	62.84	1.04	G277874	0.008	134	63	72	-2
62.84	63.67	0.83	G277876	0.893	288	54	78	-2
63.67	64.70	1.03	G277877	0.37	339	66	93	-2
64.70	65.74	1.04	G277878	1.985	721	44	69	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-17

From (m)	To (m)	Rocktype & Description
<<Struc: 43.77 - 45.42		weak Fractured>>
<<Struc: 45.42 - 47.26		moderate fault gouge>>
<<Struc: 47.82 - 48.02		strong Fractured>>
<<Struc: 48.38 - 48.75		intense Fractured>>
<<Struc: 51.38 - 51.86		moderate Fractured>>
<<Struc: 52.8 - 53.25		weak Fractured>>
<<Struc: 55.72 - 57.63		moderate Fractured>>
<<Struc: 58.25 - 59.25		weak Fractured>>
<<Struc: 62.84 - 65.74		strong Brecciated >> Graphite crackle breccia
<<Struc: 63.26 - 66.81		strong Sheared>> Confined to several very high strain bands; weakly pervasive
<<Struc: 63.67 - 65.6		strong Fractured>>
<b>66.81</b>	<b>78.21</b>	<b>T7 Argillaceous Chert</b>
<<Struc: 67.09 - 68.8		strong Fractured>>
<<Struc: 68.8 - 69.59		weak Fractured>>
<<Struc: 69.8 - 72.24		moderate fault gouge>>
<<Struc: 72.24 - 74.7		weak Fractured>>
<<Struc: 74.7 - 75.7		moderate fault gouge>>
<<Struc: 75.7 - 76.5		moderate Fractured>>
<<Struc: 76.5 - 77		moderate fault gouge>>
<<Struc: 77 - 80		moderate Fractured>>
<b>78.21</b>	<b>89.90</b>	<b>5DD Argillite</b>
<<Struc: 80 - 81.99		moderate fault gouge>>
<<Struc: 81.99 - 83.5		strong Fractured>>
<<Struc: 83.5 - 85.1		moderate Fractured>>
<<Struc: 85.1 - 86.26		moderate fault gouge>>
<<Struc: 86.26 - 87.4		moderate Fractured>>
<<Struc: 87.8 - 88.09		moderate Fractured>>
<b>89.90</b>	<b>91.16</b>	<b>T7 Argillaceous Chert</b>
<<Struc: 89.96 - 91.85		weak Fractured>>
<b>91.16</b>	<b>95.71</b>	<b>5DD Argillite</b>
<<Struc: 92.91 - 94.98		weak Fractured>>
<b>End of Hole @ 95.71</b>		

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
65.74	66.30	0.56	G277879	1.1	1215	38	53	-2
66.30	66.80	0.50	G277881	0.795	1080	49	73	3
66.80	68.80	2.00	G277882	0.014	37	54	46	4



# Drill Log

**Project:** Cassiar **Hole Number:** TA12-18

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:	Ron Voordouw	Date Started:	12/07/2012
UTM Easting:	460176.45	Core Size:	NQ	Azimuth:	200	Date Completed:	12/07/2012
UTM Northing:	6570326.74	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1077.394	Casing Depth (m):	4.57	Length (m):	136.86	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	11/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	12/07/2012
Local Elev. (m):							

**Comments:**

Test southern Sable Zone shear structures and follow up on zones intersected in TA12-17 and TA12-18. Several zones of good mineralization present in altered basalt, consisting of up to 10% PY disseminated from QZ vein margins. VG present at 26.4m. Lower in hole moderately sheared basalt and argillite have been overprinted by brittle deformation.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
14.94	-45	178.2	24.5	202.7	EZShot		11/07/2012	5744	<input checked="" type="checkbox"/>	
66.75	-48.4	183.4	24.5	207.9	EZShot		11/07/2012	5759	<input checked="" type="checkbox"/>	
112.47	-48.4	183.2	24.5	207.7	EZShot		11/07/2012	5745	<input type="checkbox"/>	Driller recorded "283.2" in azimuth but this is probably a mistake since the mag value can't explain a 100 degree change in azimuth. So the more sensible 183.2 az is recorded.
133.81	-49	178.7	24.5	203.2	EZShot		11/07/2012	6592	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
<b>0.00</b>	<b>4.90</b>	<b>OVB Overburden</b> <<Min: 2 - 42 0.01% pyrite>> Trace finely disseminated PY.									
<b>4.90</b>	<b>7.00</b>	<b>T1 Basalt buff FMG</b> 4.9 - 7: Oxidized and leached basalt. Weathered and broken, with a broken QZ vein patch. <<Min: 6 - 6.2 0.5% pyrite>> <<Vein: 6 - 6.2 70% Quartz>> Patch of broken vein/s of dark QZ with finely disseminated PY and PY bands. <<Struc: 6 - 14.94 moderate fault 15 deg. >> Zone of fracturing, faulting, and small gouge intervals. Angles 10-20 tca.	4.90	7.00	2.10	G277883	0.293	810	57	102	2
<b>7.00</b>	<b>13.10</b>	<b>T1 Basalt grey-green FG</b> 7 - 13.1: Semi-competent, grey-green, pillowed basalt. Strong, patchy magnetism. Inter-pillow areas filled by QZ-calcite, with a single vein of undeformed dark QZ that contains some PY. <<Vein: 8.4 - 8.5 80% Quartz 45 deg. >> Single, undeformed vein of dark QZ with minor finely disseminated PY.	7.00	9.00	2.00	G277884	-0.005	14	55	116	3
			9.00	11.00	2.00	G277885	-0.005	5	56	112	2

## Drill Log

Project:

Cassiar

Hole Number:

TA12-18

From (m) To (m) Rocktype & Description

**13.10 15.10 T2 Basalt - Altered light grey FG**

13.1 - 15.1: Broken, light grey, altered basalt. About 4% fgr to cgr PY.

<<Min: 13.9 - 15.1 4% pyrite>> fgr to cgr blebs and hedrons.

<<Alt: 13.1 - 15.1 weak Ankerite>>

**15.10 15.45 T5 Quartz Vein white VFG**

15.1 - 15.45: Competent but fractured QZ vein with mineralized wall rock fragments. Angles 40-50 tca.

<<Min: 15.1 - 15.45 1% pyrite>> Aggregates up to several cm in size in wall rock fragments in QZ vein.

<<Vein: 15.1 - 15.45 Quartz 45 deg. >>

**15.45 16.10 T2 Basalt - Altered light grey FG**

15.45 - 16.1: Broken, light grey, altered basalt. About 5% fgr to cgr PY.

<<Min: 15.45 - 16.1 5% pyrite>> fgr to cgr blebs and hedrons.

<<Alt: 15.45 - 16.1 weak Ankerite>>

**16.10 16.40 T5 Quartz Vein white VFG**

16.1 - 16.4: Semi-competent milky QZ vein with trace PY. Average angle 45 tca.

<<Min: 16.1 - 16.4 0.1% pyrite>> Very minor finely disseminated PY in wall rock.

<<Vein: 16.1 - 16.4 Quartz 45 deg. >>

**16.40 19.00 T2 Basalt - Altered light grey FG**

16.4 - 19: Broken, light grey, altered basalt. Mineralized near upper contact with QZ vein.

<<Min: 16.4 - 17.7 4% pyrite>> fgr to cgr blebs and hedrons.

<<Min: 17.7 - 23 0.01% pyrite>> Trace finely disseminated PY.

<<Alt: 16.4 - 19 weak Ankerite>>

<<Struc: 16.4 - 19 moderate fault 10 deg. >> Zone of shallow faulting that ends with two small gouge zones.

**19.00 23.00 T1 Basalt grey-green FMG**

19 - 23: Broken, grey-green basalt. Trace finely disseminated PY.

**23.00 26.00 T2 Basalt - Altered light grey FG**

23 - 26: Competent, but fractured, light grey altered basalt. About 7% fgr to cgr PY.

<<Min: 23 - 26 7% pyrite>> fgr to cgr blebs and hedrons.

<<Alt: 23 - 26 weak Ankerite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
11.00	13.10	2.10	G277886	-0.005	8	78	123	4
13.10	15.10	2.00	G277887	0.909	805	42	69	-2

15.10	16.45	1.35	G277888	0.785	654	17	22	-2
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16.45	17.70	1.25	G277889	2.21	691	65	71	-2
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17.70	19.00	1.30	G277891	0.067	37	57	119	2
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19.00	21.00	2.00	G277892	-0.005	29	75	86	-2
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21.00	23.00	2.00	G277893	0.38	82	57	83	-2
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23.00	24.50	1.50	G277894	4.53	413	45	74	2
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24.50	26.00	1.50	G277895	4.59	6880	30	34	2
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-18

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Vein: 23 - 26 15% Quartz 30 deg. >> Partially broken zone of milky QZ veins with fibrous margins. Minor slip along vein margins. Angles 20-40 tca.											
26.00	26.50	T5 Quartz Vein	white	VFG	26.00	26.50	0.50	G277897	9.91	5220	31 29 -2
26 - 26.5: Competent, but fractured, milky QZ vein. Contains PY, AS, and VG. Average angle 50 tca.											
<<Min: 26 - 26.5 1% pyrite>> Aggregates up to several cm in size in wall rock fragments in vein. <<Min: 26 - 27.5 0.4% arsenopyrite>> Finely disseminated and as small, isolated blebs. <<Min: 26.4 - 26.4 0.01% gold>> Small bleb in QZ vein with PY. <<Vein: 26 - 26.5 Quartz 50 deg. >>											
26.50	30.40	T2 Basalt - Altered	light grey	FG	26.50	28.00	1.50	G277898	1.84	6210	40 44 2
26.5 - 30.4: Semi-competent, light grey, altered basalt. Rubble zones at contacts, with PY mineralization near upper contact with QZ vein.											
<<Min: 26.5 - 28 9% pyrite>> fgr to cgr blebs and hedrons. <<Alt: 26.5 - 30.4 weak Ankerite>> <<Struc: 28 - 31.15 moderate fault 10 deg. >> Shallow fault zone with small intervals of gouge at boundaries.											
30.40	40.00	T1 Basalt	grey-green	FMG	30.40	32.00	1.60	G277902	0.03	347	69 80 2
30.4 - 40: Semi-competent, with rubble zones at contacts and patchy light grey alteration zones.											
<<Alt: 30.4 - 40 weak Ankerite>> Weak, patchy AK alteration, but logged as unaltered basalt. <<Struc: 34.2 - 40.5 moderate fault 10 deg. >> Shallow fault zone with small (5 cm) gouge center.											
40.00	48.00	T2 Basalt - Altered	light grey	FMG	32.00	34.00	2.00	G277903	-0.005	44	51 127 -2
40 - 48: Semi-competent with numerous fractures. Weakly AK altered with minor PY mineralization around single QZ vein near upper contact.											
<<Min: 42 - 42.5 0.1% pyrite>> Finely disseminated in broken QZ vein. <<Alt: 40 - 53.6 weak Ankerite>> <<Vein: 42 - 42.5 25% Quartz 15 deg. >> Brecciated QZ vein at center of fault zone. <<Struc: 42 - 42.5 weak fault 15 deg. >> Shallow fault zone with brecciated QZ vein at center. Angles 10-20 tca.											
48.00	50.80	T2 Basalt - Altered	light grey	FG	34.00	36.00	2.00	G277904	0.082	95	45 95 2
48 - 50.8: Broken, light grey, altered basalt. Numerous small QZ±DOL veins with minor PY mineralization.											
<<Min: 48 - 49.4 1% pyrite>> fgr to cgr blebs and hedrons. <<Min: 49.4 - 50.8 5% pyrite>> fgr to cgr blebs and hedrons. <<Vein: 48 - 50.8 15% Quartz 35 deg. >> QZ±DOL veins, typically broken by slip along margins. Angles 25-45 tca. <<Struc: 48 - 49 moderate fault 10 deg. >> Shallow fault zone with 5 cm gouge center.											
<<Min: 48 - 49.4 1% pyrite>> fgr to cgr blebs and hedrons. <<Min: 49.4 - 50.8 5% pyrite>> fgr to cgr blebs and hedrons. <<Vein: 48 - 50.8 15% Quartz 35 deg. >> QZ±DOL veins, typically broken by slip along margins. Angles 25-45 tca. <<Struc: 48 - 49 moderate fault 10 deg. >> Shallow fault zone with 5 cm gouge center.											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-18

From (m) To (m) Rocktype & Description

**50.80 53.60 T2 Basalt - Altered light grey FMG**

50.8 - 53.6: Broken and gouged, light grey, altered basalt. Strongly faulted.

<<Min: 50.8 - 57.8 0.05% pyrite>> Traces in and around veins.

<<Vein: 52.6 - 57.8 10% Quartz 25 deg. >> Numerous small QZ-DOL veins, many of which are broken. Angles 15-35 tca.

<<Struc: 50.8 - 54.56 strong fault 25 deg. >> Strong fault zone with several areas of gouge. Angles 15-35 tca.

**53.60 64.60 T1 Basalt grey-green FMG**

53.6 - 64.6: Patches of light grey alteration around areas of QZ±DOL veins, many of which are broken by minor slip along margins. Moderate, pervasive calcite alteration. Trace PY.

<<Min: 60.9 - 66.8 0.01% pyrite>> Traces in and around veins.

<<Alt: 53.6 - 64.6 moderate Calcite>> Moderate, pervasive calcite alteration of regular basalt.

<<Vein: 60.9 - 67.6 3% Ankerite 35 deg. >> Small DOL±QZ veins with fibrous margins. Half completely competent, half broken by slip along margins.

<<Struc: 63 - 71 moderate fault 27 deg. >> Fault zone with several intervals of rubble and breccia center. Angles 10-45 tca.

**64.60 67.60 T2 Basalt - Altered light grey FG**

64.6 - 67.6: Broken and brecciated, light grey, altered basalt. Numerous small DOL±QZ veins, about half of which are competent and half of which are broken by slip along margins. Trace PY.

<<Min: 66.8 - 68 1% pyrite>> Finely disseminated in margins of QZ vein.

<<Alt: 64.6 - 67.6 weak Ankerite>>

**67.60 68.00 T5 Quartz Vein white VFG**

67.6 - 68: Competent, but fractured, milky QZ vein. Angles 30-50 tca.

<<Vein: 67.6 - 68 Quartz 40 deg. >>

**68.00 70.50 T2 Basalt - Altered light grey FG**

68 - 70.5: Broken, brecciated, and gouged altered basalt with single unmineralized milky QZ vein.

<<Min: 70 - 71.5 7% pyrite>> fgr to cgr blebs and hedrons.

<<Alt: 68 - 70.5 weak Ankerite>>

<<Vein: 69.3 - 69.45 90% Quartz 50 deg. >> Single milky QZ vein with fibrous margins.

**70.50 71.00 T5 Quartz Vein white VFG**

70.5 - 71: Competent, but fractured, milky QZ vein. Large bands/aggregates of PY (25% of vein). Average angle 50 tca.

<<Vein: 70.5 - 71 Quartz 50 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
50.80	53.60	2.80	G277912	0.057	51	47	86	-2
53.60	55.60	2.00	G277913	0.007	9	42	121	2
55.60	57.61	2.01	G277914	0.152	201	54	88	3
60.70	62.70	2.00	G277915	0.035	97	324	73	-2
62.70	64.60	1.90	G277916	0.118	134	65	90	2
64.60	66.50	1.90	G277917	0.013	96	71	96	2
66.50	67.60	1.10	G277918	0.592	348	58	112	-2
67.60	68.00	0.40	G277919	-0.005	37	3	20	-2
68.00	69.50	1.50	G277921	0.359	201	35	88	-2
69.50	71.00	1.50	G277922	2.77	963	28	57	4

# Drill Log

Project:

Cassiar

Hole Number:

TA12-18

From (m) To (m) Rocktype & Description

**71.00 71.50 T2 Basalt - Altered light grey FG**

71 - 71.5: Competent, light grey, altered basalt with PY.

<<Alt: 71 - 71.5 weak Ankerite>>

**71.50 79.50 T1 Basalt grey-green FMG**

71.5 - 79.5: Competent, fine to medium grained basalt. Moderate, pervasive calcite alteration.

<<Alt: 71.5 - 79.5 moderate Calcite>> Moderate, pervasive calcite alteration of regular basalt.

<<Struc: 77.5 - 77.8 weak fault 30 deg. >> Minor fault zone. Anles 20-35 tca.

**79.50 81.40 T2 Basalt - Altered light grey FG**

79.5 - 81.4: Competent, light grey, altered basalt. Contains single QZ-DOL vein and about 1% PY.

<<Min: 79.5 - 81.4 1% pyrite>> Finely disseminated centered on QZ-DOL vein.

<<Alt: 79.5 - 81.4 weak Ankerite>>

<<Vein: 79.98 - 80.05 85% Quartz 44 deg. >> QZ-DOL vein.

**81.40 81.80 T5 Quartz Vein white VFG**

81.4 - 81.8: Competent, but fractured, milky QZ vein. Contains about 8% PY as aggregates/bands several cm in size with 0.1% finely disseminated AS. Angles 45-50 tca.

<<Min: 81.4 - 81.8 8% pyrite>>

<<Min: 81.4 - 81.8 0.1% arsenopyrite>>

<<Vein: 81.4 - 81.8 Quartz 48 deg. >>

**81.80 82.50 T2 Basalt - Altered light grey FG**

81.8 - 82.5: Competent, light grey, altered basalt at QZ vein margin. About 10% PY.

<<Min: 81.8 - 82.5 10% pyrite>> fgr to cgr blebs and hedrons.

<<Alt: 81.8 - 82.5 weak Ankerite>>

**82.50 95.30 T1 Basalt grey-green FCG**

82.5 - 95.3: Competent to brecciated and gouged basalt. Some areas pillowed with QZ-filled inter-pillow areas. Several 50-90 cm areas of breccia and/or gouge. PY present in some breccia and/or inter-pillow areas, locally up to 3% over 20 cm. One small QZ-DOL vein present.

<<Vein: 90.15 - 90.24 90% Quartz 50 deg. >> Milky QZ vein with DOL.

<<Struc: 86 - 88.3 moderate fault 15 deg. >> Fault zone. Center is 20 cm silicified area and gouge interval with 3% PY. Angles 10-20 tca.

<<Struc: 94.95 - 95.6 moderate Brecciated >> Black colored breccia zone that is silicified and contains about 5% PY.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
71.00	71.50	0.50	G277923	0.531	448	60	96	2
71.50	72.50	1.00	G277924	-0.005	24	71	108	2
78.94	80.50	1.56	G277926	2.64	1510	33	105	4
80.50	82.00	1.50	G277927	2.05	6470	7	32	3
82.00	84.00	2.00	G277928	0.413	547	48	128	-2
84.00	86.00	2.00	G277929	-0.005	36	80	157	3
86.00	88.09	2.09	G277931	-0.005	5	101	114	2
88.09	90.00	1.91	G277932	-0.005	66	72	114	3
90.00	92.00	2.00	G277933	0.196	433	59	78	2
92.00	94.00	2.00	G277934	0.061	170	54	82	2
94.00	96.00	2.00	G277935	0.47	88	68	109	2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-18

From (m) To (m) Rocktype & Description

**95.30 102.50 SHZN Shear Zone green-brown FCG**

95.3 - 102.5: Beautiful zone of moderate shearing. Consists of pale green pillow basalt, biege altered basalt, argillite, and boudined QZ/DOL veins interlayered and stretched parallel to the foliation, which is at about 35 tca. Zone is moderately silicified, with a single large milky QZ vein near the beginning.

<<Min: 95.3 - 96.1 0.01% pyrite>>

<<Min: 96.1 - 96.4 10% pyrite>> Finely disseminated around sheared milky QZ vein.

<<Min: 96.4 - 127.6 0.01% pyrite>>

<<Vein: 96.15 - 96.35 95% Quartz 30 deg. >> Sheared milky QZ vein, with finely disseminated PY along margins.

<<Struc: 95.3 - 102.5 moderate shear 35 deg. >> Angles 30-40 tca.

**102.50 116.00 T7 Argillaceous Chert dark grey VFG**

102.5 - 116: Competent, but fractured, argillaceous chert. Finely laminated, with foliation possibly transposed bedding due to shear. Brecciated in many areas with trace, finely disseminated PY.

<<Struc: 102.5 - 116 strong Foliated 45 deg. >> Fine laminations, possibly bedding transposed by shearing.

<<Struc: 102.5 - 124 weak Sheared 70 deg. >> Weak shearing (?) through argillite and chert units.

<<Struc: 107 - 110 strong fault 15 deg. >> Area of strong faulting and gouge. Angles 10-20 tca.

**116.00 127.60 5B Chert medium grey VFG**

116 - 127.6: Competent, but fractured, medium grey chert. Finely laminated, with laminations possibly bedding transposed by shearing. Foliation at about 70 tca, with many fractures along foliation plane. Trace, finely disseminated PY present.

**127.60 133.81 T1F Magnetic/Jasper Pillow Basalt green FG**

127.6 - 133.81: Competent, green pillow basalt with small patches of jasper. Weakly faulted upper contact.

End of Hole @ 136.86

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
96.00	98.00	2.00	G277936	0.388	334	56	100	3
98.00	100.00	2.00	G277937	0.011	26	67	71	5
100.00	102.00	2.00	G277938	0.007	43	50	65	5
102.00	104.00	2.00	G277939	0.005	19	34	56	8
104.00	106.00	2.00	G277941	0.01	6	43	62	7
106.00	108.00	2.00	G277942	0.013	4	33	53	6
108.00	110.00	2.00	G277943	0.007	3	79	58	7
110.00	112.00	2.00	G277944	0.005	5	40	72	9
112.00	114.00	2.00	G277945	0.011	5	51	61	11
114.00	116.00	2.00	G277946	0.016	9	88	82	9

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-19

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:	Ron Voordouw	Date Started:	13/07/2012
UTM Easting:	460176.45	Core Size:	NQ	Azimuth:	200	Date Completed:	13/07/2012
UTM Northing:	6570326.74	Casing Pulled?:	<input type="checkbox"/>	Dip:	-65	Drill Company:	Apex
UTM Elev. (m):	1077.394	Casing Depth (m):	4.57	Length (m):	91.14	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	12/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	13/07/2012
Local Elev. (m):							

**Comments:**

Steeper hole at same setup as TA12-18 to follow up on mineralized zones intersected in that hole. From top of hole to about 30 meters well mineralized with numerous QZ±DOL veins (likely extensional) and PY up to 15%. AS, TT, SP, and CP also present, with VG in one QZ vein at about 19m. Near bottom of hole two strongly sheared 1 meter intervals at lower contact of altered basalt with argillaceous chert likely represent the Taurus Thrust.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
14.94	-64.9	180.4	24.5	204.9	EZShot		12/07/2012	5713	<input checked="" type="checkbox"/>	
63.7	-65.4	180.1	24.5	204.6	EZShot		12/07/2012	5758	<input checked="" type="checkbox"/>	
91.14	-65.4	182.8	24.5	207.3	EZShot		12/07/2012	5757	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME- ICP41	Zn ppm ME- ICP41	Pb ppm ME-
<b>0.00</b>	<b>3.05</b>	<b>OVB Overburden</b>									
<b>3.05</b>	<b>4.70</b>	<b>T2 Basalt - Altered</b>	<b>buff</b>	<b>FG</b>	1.65	G277947	1.305	3710	55	88	2
3.05 - 4.7: Broken, orange, weakly oxidized, altered basalt. About 3% PY now, higher before being leached.											
<<Min: 3.05 - 4.7 3% pyrite>> fgr to cgr blebs and hedrons.											
<<Alt: 3.05 - 4.7 weak Ankerite>>											
<b>4.70</b>	<b>5.40</b>	<b>T5 Quartz Vein</b>	<b>white</b>	<b>VFG</b>	1.00	G277948	1.055	1535	9	19	-2
4.7 - 5.4: Competent, but fractured, QZ vein. Oxidation on fracture surfaces. Angles 20-40 tca.											
<<Vein: 4.7 - 5.4 Quartz 30 deg. >>											
<b>5.40</b>	<b>7.00</b>	<b>T2 Basalt - Altered</b>	<b>buff</b>	<b>FG</b>	1.30	G277949	1.365	967	33	47	4
5.4 - 7: Broken, buff colored, altered basalt. Oxidized on fracture surfaces with a faulted lower contact. About 4% PY now, partially leached.											
<<Min: 5.4 - 7 4% pyrite>> fgr to cgr blebs and hedrons.											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-19

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Alt: 5.4 - 7 moderate Ankerite>> <<Struc: 6.5 - 7.1 weak fault 15 deg. >> Angles 10-20 tca. A few 5 cm rubble zones.											
<b>7.00</b>	<b>11.00</b>	<b>T1 Basalt grey-green FMG</b>	7.00	9.00	2.00	G277952	-0.005	63	79	92	4
7 - 11: Broken, grey-green basalt with a few patches of weak AK alteration but little to no mineralization. Partially brecciated near upper contact.											
<<Min: 7 - 11 0.05% pyrite>> Rare, isolated disseminations of PY associated with weakly altered patches. <<Alt: 7 - 11 weak Ankerite>> A few weak patches of AK alteration in otherwise unaltered basalt.			9.00	11.00	2.00	G277953	-0.005	65	61	98	-2
<b>11.00</b>	<b>15.00</b>	<b>T2 Basalt - Altered light grey FG</b>	11.00	13.00	2.00	G277954	3.64	863	54	83	2
11 - 15: Semi-competent, with fractures and two small rubbles zones, light grey altered basalt. Moderate, patchy AK alteration and faulted contacts. About 4% PY.											
<<Min: 11 - 15 4% pyrite>> fgr to cgr blebs and hedrons. <<Alt: 11 - 15 moderate Ankerite>> A few patches of fgr-mgr unaltered basalt.			13.00	15.00	2.00	G277955	1.27	2080	51	46	2
<<Vein: 12.1 - 12.35 15% Pyrite 35 deg. / 20% Quartz 15 deg. >> Band of fcr to cgr PY blebs and hedrons x-cut by QZ-DOL vein with fibrous margins. <<Struc: 14.4 - 14.7 moderate fault 22 deg. >> Fault with gouge at margin of QZ vein. Angles 20-25 tca.											
<b>15.00</b>	<b>15.50</b>	<b>T5 Quartz Vein white VFG</b>	15.00	15.50	0.50	G277956	0.449	571	3	28	-2
15 - 15.5: Competent, but fractured, milky QZ vein.											
<<Vein: 15 - 15.5 Quartz 20 deg. >>											
<b>15.50</b>	<b>21.80</b>	<b>T2 Basalt - Altered light grey FG</b>	15.50	17.50	2.00	G277957	0.668	520	31	39	-2
15.5 - 21.8: Semi-competent, but with numerous fractures and slip zones, light grey altered basalt. Contains numerous QZ-DOL-PY veins, one of which contains SP, CP, and TT, and another of which contains TT and VG. About 10% PY overall.											
<<Min: 15.5 - 21.8 10% pyrite>> fgr to cgr blebs and hedrons. <<Min: 18.5 - 18.7 0.05% tetrahedrite>> cm-sized aggregate in milky QZ vein. <<Min: 18.5 - 18.7 1% sphalerite>> cm-sized clots in milky QZ vein. <<Min: 18.5 - 18.7 0.5% chalcopryite>> cm-sized aggregates in milky QZ vein. <<Min: 19.1 - 19.2 0.01% gold>> Bleb of VG in milky QZ vein. <<Min: 19.1 - 19.2 0.1% tetrahedrite>> Finely disseminated in milky QZ vein. <<Alt: 15.5 - 21.8 moderate Ankerite>>			17.50	18.50	1.00	G277958	1.53	971	41	48	-2
<<Vein: 15.5 - 21.8 10% Quartz 25 deg. >> Number of QZ-DOL-PY± TT, CP, SP, AS, VG veins. Angles 10-40 tca. <<Struc: 15.5 - 21 weak fault 20 deg. >> Fault with small gouge zone at end. Angles 10-30 tca.			18.50	19.50	1.00	G277959	8.01	1030	231	1940	2
<b>21.80</b>	<b>22.20</b>	<b>T5 Quartz Vein white VFG</b>	19.50	21.50	2.00	G277961	1.43	1720	16	32	2
21.8 - 22.2: Competent, but fractured, milky QZ vein. Contains trace AS and about 1% PY. Angles 20-25 tca.			21.50	22.50	1.00	G277962	2.62	3850	15	36	3



# Drill Log

Project:

Cassiar

Hole Number:

TA12-19

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME- ICP41	Zn ppm ME- ICP41	Pb ppm ME- ICP41		
<<Min: 21.8 - 22.2 1% pyrite>> Disseminated in milky QZ vein. <<Min: 21.8 - 22.2 0.05% arsenopyrite>> Disseminated in milky QZ vein. <<Vein: 21.8 - 22.2 Quartz 23 deg. >>													
<b>22.20</b>	<b>26.20</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FG</b>	22.50	24.50	2.00	G277963	1.165	499	48	52	-2
22.2 - 26.2: Semi-competent, but fractured and with a faulted upper contact, altered basalt. Upper meter weakly mineralized, after which veining increases PY content to about 15%. One 50 cm interval contains two milky QZ veins, one of which has minor AS.													
<<Min: 22.2 - 23.9 2% pyrite>> fgr to cgr blebs and hedrons. <<Min: 23.9 - 26.2 15% pyrite>> fgr to cgr blebs and hedrons. <<Min: 24.6 - 24.7 0.1% arsenopyrite>> Finely disseminated near milky QZ vein. <<Alt: 22.2 - 26.2 moderate Ankerite>> <<Vein: 24.6 - 25.3 10% Quartz 35 deg. >> Two milky QZ veins. Angles 30-40 tca. <<Struc: 22.28 - 22.5 moderate fault 35 deg. >> Breccia and gouge area. Angles 30-40 tca.													
<b>26.20</b>	<b>26.60</b>	<b>T5 Quartz Vein</b>	<b>white</b>	<b>VFG</b>	26.20	27.13	0.93	G277965	1.82	2120	14	27	2
26.2 - 26.6: Competent, but fractured, milky QZ vein. Angles 30-50 tca. <<Vein: 26.2 - 26.6 Quartz 40 deg. >>													
<b>26.60</b>	<b>30.00</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FG</b>	27.13	29.00	1.87	G277966	0.861	1185	24	50	-2
26.6 - 30: Competent, light grey, altered basalt. Faulted upper contact. <<Min: 26.6 - 30 7% pyrite>> fgr to cgr blebs and hedrons. <<Alt: 26.6 - 30 moderate Ankerite>> <<Struc: 26.6 - 26.7 weak fault 45 deg. >> Fault with gouge zone. Angles 40-50 tca.													
<b>30.00</b>	<b>33.00</b>	<b>T1 Basalt</b>	<b>grey-green</b>	<b>FMG</b>	30.00	31.00	1.00	G277968	0.013	30	64	87	-2
30 - 33: Competent, but fractured, grey-green basalt. Patches of weak AK alteration. <<Alt: 30 - 33 weak Ankerite>>													
<b>33.00</b>	<b>36.00</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FG</b>	33.00	33.50	0.50	G277969	0.192	730	18	74	-2
33 - 36: Competent, but fractured, light grey, altered basalt. QV near upper contact, with PY around vein. <<Min: 33 - 33.54 1% pyrite>> fgr to cgr blebs and hedrons. <<Alt: 33 - 36 moderate Ankerite>>													
<b>36.00</b>	<b>44.90</b>	<b>T1 Basalt</b>	<b>grey-green</b>	<b>FMG</b>	37.00	39.00	2.00	G277971	2.29	1015	50	70	3
36 - 44.9: Broken, grey-green basalt. Contains gouge and rubble zones. <<Min: 37.1 - 39.1 0.5% pyrite>> Finely disseminated in gouge areas.													

# Drill Log

Project:

Cassiar

Hole Number:

TA12-19

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Struc: 37.1 - 42.7 strong fault 35 deg. >> Strongly faulted area. Upper contact is 2 m gouge zone, lower contact is 70 cm breccia zone. Angles 30-40 tca.											
<b>44.90</b>	<b>47.10</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FG</b>							
44.9 - 47.1: Broken, light grey, altered basalt.											
<<Min: 45.4 - 46.2 7% pyrite>> fgr to cgr blebs and hedrons. <<Min: 45.4 - 46.2 0.5% arsenopyrite>> fgr to mgr blebs. <<Alt: 44.9 - 47.1 moderate Ankerite>> <<Vein: 45.6 - 46.2 5% Quartz 15 deg. >> Milky QZ vein. <<Struc: 44.9 - 47.1 moderate fault 25 deg. >> Fault zone with milky QZ vein at center.											
<b>47.10</b>	<b>51.50</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FMG</b>							
47.1 - 51.5: Semi-competent grey-green basalt breccia. Dominantly unaltered basalt with some altered basalt clasts.											
<<Vein: 51.45 - 51.55 10% Quartz 30 deg. >> Milky QZ vein with PY.											
<b>51.50</b>	<b>52.70</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FG</b>							
51.5 - 52.7: Competent, but fractured, light grey altered basalt. Contains about 5% PY.											
<<Min: 51.5 - 52.7 5% pyrite>> fgr to cgr blebs and hedrons. <<Alt: 51.5 - 52.7 moderate Ankerite>>											
<b>52.70</b>	<b>59.00</b>	<b>T1 Basalt</b>	<b>grey-green</b>	<b>FMG</b>							
52.7 - 59: Competent, but fractured, grey-green basalt. Patches of weak AK alteration but dominantly unaltered. Some veining with PY bands x-cut by QZ-calcite veining.											
<<Min: 52.7 - 59 0.1% pyrite>> Band of fgr to cgr blebs and hedrons. <<Alt: 52.7 - 59 weak Ankerite>> A few patches of weak AK alteration, dominantly unaltered. <<Vein: 56 - 56.8 Pyrite 10 deg. / 15% Quartz>> Bands of fgr to cgr PY blebs and hedrons x-cut by QZ-calcite veins (10-20 tca). <<Struc: 53.5 - 55.3 weak Sheared 50 deg. >> Weakly sheared zone, overprinted by faulting. <<Struc: 53.5 - 55.3 moderate fault 27 deg. >> Moderately faulted area with breccia and rubble zones. Angles 15-40 tca. Also weakly sheared. <<Struc: 58.8 - 64.5 moderate fault 20 deg. >> Moderate fault with rubble. Angles 10-30 tca.											
<b>59.00</b>	<b>62.70</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FG</b>							
59 - 62.7: Competent, but fractured, light grey, altered basalt. Mineralized with about 4% PY and 0.4% AS.											
<<Min: 59 - 62.7 4% pyrite>> fgr to cgr blebs and hedrons. <<Min: 59 - 62.7 0.4% arsenopyrite>> fgr to mgr blebs. <<Alt: 59 - 62.7 moderate Ankerite>>											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-19

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Vein: 59 - 62.7 5% Quartz 40 deg. >> Milky QZ±DOL. Possibly shear vein.											
<b>62.70</b>	<b>64.50</b>	<b>T5 Quartz Vein</b>									
white											
VFG			62.70	64.50	1.80	G277978	5.15	4210	10	15	-2
62.7 - 64.5: Broken milky QZ vein. Angles 30-40 tca, with about 3% PY and trace TT.											
<<Min: 62.7 - 64.5 0.05% tetrahedrite>> Bands of fgr TT.											
<<Min: 62.7 - 64.5 3% pyrite>> fgr to cgr blebs and hedrons.											
<<Vein: 62.7 - 64.5 Quartz 35 deg. >>											
<b>64.50</b>	<b>70.70</b>	<b>T2 Basalt - Altered</b>									
light grey											
FG			64.50	66.50	2.00	G277979	0.794	3450	20	32	-2
64.5 - 70.7: Competent, light grey, altered basalt. QZ vein near upper contact. Top two meters about 9% PY, with minor AS near QZ vein.											
<<Min: 64.5 - 65.5 0.5% arsenopyrite>> fgr to mgr blebs.											
<<Min: 64.5 - 67.3 9% pyrite>> fgr to cgr blebs and hedrons.											
<<Alt: 64.5 - 70.7 moderate Ankerite>> Moderate, patchy AK alteration.											
<<Vein: 64.5 - 68.5 8% Quartz 38 deg. >> Milky QZ±DOL.											
<b>70.70</b>	<b>72.30</b>	<b>SHZN Shear Zone</b>									
light grey											
FCG			70.70	72.30	1.60	G277982	0.189	197	75	84	-2
70.7 - 72.3: Competent, light grey shear zone comprised mainly of altered basalt with QZ and QZ-calcite veins stretched parallel to foliation. Angles 40-65 tca. Contains about 2% disseminated PY porphyroclasts.											
<<Min: 70.7 - 72.3 2% pyrite>> fgr to cgr blebs and hedrons, rotated by shear.											
<<Alt: 70.7 - 79 moderate Ankerite>>											
<<Struc: 70.7 - 72.3 strong Sheared 53 deg. >> Angles 40-65 tca. Likely Taurus Thrust.											
<<Struc: 71 - 71 moderate Foliated 45 deg. >> Shear fabric.											
<<Struc: 72 - 72 moderate Foliated 65 deg. >> Shear fabric.											
<b>72.30</b>	<b>75.55</b>	<b>T2 Basalt - Altered</b>									
light grey											
FG			72.30	75.55	3.25	G277983	0.196	211	58	85	-2
72.3 - 75.55: Competent, light grey, altered basalt. Weakly sheared with about 3% QZ veins roughly parallel to weak foliation.											
<<Min: 72.3 - 91.14 0.1% pyrite>> Minor, finely disseminated PY. Present locally up to 1% over 5 cm areas.											
<b>75.55</b>	<b>78.00</b>	<b>SHZN Shear Zone</b>									
light grey											
FG			75.55	76.79	1.24	G277984	0.332	393	47	78	-2
75.55 - 78: Competent, light grey shear zone comprised mainly of altered basalt with QZ and QZ-calcite veins stretched parallel to foliation. Foliation average 40 tca.											
<<Struc: 75.55 - 78 strong Sheared 40 deg. >> Strongly sheared zone, foliation about 40 tca. Likely Taurus Thrust.											
<<Struc: 77 - 77 moderate Foliated 40 deg. >> Shear fabric.											
<b>78.00</b>	<b>79.00</b>	<b>T2 Basalt - Altered</b>									
light grey											
FG			78.00	79.00	1.00	G277986	0.01	13	47	81	-2
78 - 79: Competent, light grey, altered basalt. Likely less deformed area between two Taurus Thrust splays.											

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-19**

From (m)      To (m)                      Rocktype & Description

**79.00    91.14 T7                      Argillaceous Chert                      dark grey                      FG**

79 - 91.14: Competent, dark grey, weakly deformed argillaceous chert. Consists of finely laminated layers of argillite interbedded with chert layers, some of which have been broken and slightly boudined parallel to the bedding. Unit contains QZ-calcite veins with variable orientations. Near the top of the unit they are stretched parallel to bedding, but moving away from top they become oblique to the bedding. Minor finely disseminated PY, which is locally present up to 1% over 5 cm intervals.

<<Vein: 79 - 85 2% Quartz>>    Stretched parallel to shear fabric.

<<Vein: 85 - 88 8% Quartz 38 deg. >>    QZ-calcite veins oblique to foliation but still showing minor deformation. Angles 25-40 tca.

<<Struc: 79.5 - 79.5 moderate Finely laminated/laminated/finely bedded 55 deg. >>    Shear fabric.

<<Struc: 85.8 - 85.8 moderate Finely laminated/laminated/finely bedded 58 deg. >>    Shear fabric.

<<Struc: 88 - 88 moderate Finely laminated/laminated/finely bedded 45 deg. >>    Shear fabric.

**End of Hole @ 91.14**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
79.00	81.00	2.00	G277987	0.037	36	62	49	4
81.00	83.00	2.00	G277988	-0.005	7	69	56	7
83.00	85.04	2.04	G277989	0.006	16	71	70	5
85.04	87.00	1.96	G277991	0.016	36	77	52	3
87.00	89.00	2.00	G277992	0.007	10	93	51	8
89.00	91.14	2.14	G277993	0.006	6	93	50	7

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-20

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:	Ron Voordouw	Date Started:	14/07/2012
UTM Easting:	460229.91	Core Size:	NQ	Azimuth:	200	Date Completed:	14/07/2012
UTM Northing:	6570291.44	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1075.253	Casing Depth (m):		Length (m):	121.62	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	12/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	13/07/2012
Local Elev. (m):							

**Comments:**

Follow up on zones intersected in TA12-17, 18, and 19. Three sheared QZ veins associated with mineralization were intersected @ 31-32, 66-67, and 98-98.5m, with the first two containing AS, and the best mineralization associated with the shallowest vein.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
14.94	-44.8	174.5	24.5	199	EZShot		13/07/2012	5865	<input checked="" type="checkbox"/>	
63.7	-46.2	178.4	24.5	202.9	EZShot		13/07/2012	5758	<input checked="" type="checkbox"/>	
121.62	-47	186.3	24.5	210.8	EZShot		13/07/2012	5844	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>0.00</b>	<b>5.00</b>	<b>OVB Overburden</b>									
<b>5.00</b>	<b>12.00</b>	<b>T1 Basalt grey-green FMG</b>	9.00	9.80	0.80	G277994	0.457	170	57	97	-2
5 - 12: Semi-competent, but weathered, basalt. Oxidized along fracture surfaces. Weak calcite alteration.											
<<Alt: 5 - 22.3 weak Calcite>>											
<<Alt: 9.32 - 43 moderate Ankerite>>											
<<Vein: 9.3 - 9.8 10% Quartz 40 deg. >> Two isolated QZ-calcite veins with PY along their margins. Angles 30-50 tca.											
<b>12.00</b>	<b>22.30</b>	<b>T1 Basalt grey-green FMG</b>									
12 - 22.3: Competent, grey-green basalt.											
<b>22.30</b>	<b>24.50</b>	<b>T2 Basalt - Altered light grey FG</b>	22.30	23.00	0.70	G277995	54.8	1115	56	44	-2
22.3 - 24.5: Competent, light grey, altered basalt. Centered on QZ vein. PY about 5%.											
<<Min: 22.3 - 24.5 5% pyrite>> fgr to cgr blebs and hedrons.											
<<Alt: 22.3 - 24.5 moderate Ankerite>>											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-20

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Vein: 22.5 - 22.6 99% Quartz 30 deg. >> Milky QZ vein. Small rubble zone at upper contact. Possible shear vein.											
<b>24.50</b>	<b>27.70</b>	<b>T1 Basalt</b>	<b>grey-green</b>	<b>FMG</b>							
24.5 - 27.7: Semi-competent, fractured, grey-green basalt. Small fault and rubble zone in center. Two small patches of pink mineral (KF?) with isolated blebs of PY from 24.8-25.2m.											
<<Struc: 25.7 - 25.8 weak fault 35 deg. >>											
<b>27.70</b>	<b>31.00</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FG</b>							
27.7 - 31: Competent, but fractured, light grey, altered basalt. Two extensional QZ veins present, the first with about 3% PY around it.											
<<Min: 27.7 - 28.6 3% pyrite>> fgr to cgr blebs and hedrons.											
<<Vein: 28.4 - 29.7 10% Quartz 27 deg. >> Two milky QZ veins, the first with a PY halo. Angles 25-30 tca.											
<b>31.00</b>	<b>31.80</b>	<b>T5 Quartz Vein</b>	<b>white</b>	<b>FCG</b>							
31 - 31.8: Sheared milky QZ vein with bits of wall rock and PY aggregates/bands. Also contains blebs of AS. Angles 25-35 tca.											
<<Min: 31 - 31.8 9% pyrite>>											
<<Min: 31 - 31.8 0.5% arsenopyrite>>											
<<Vein: 31 - 31.8 Quartz 30 deg. >>											
<b>31.80</b>	<b>32.60</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FG</b>							
31.8 - 32.6: Competent, light grey, altered basalt. About 5% PY.											
<<Min: 31.9 - 32.6 5% pyrite>> fgr to cgr blebs and hedrons.											
<<Alt: 31.9 - 32.6 moderate Ankerite>>											
<b>32.60</b>	<b>39.32</b>	<b>T1 Basalt</b>	<b>grey-green</b>	<b>FMG</b>							
32.6 - 39.32: Broken, grey-green basalt. Pretty smashed up with several rubble intervals, ending in a 40 cm breccia zone. Likely fault shallow to core axis overprinting weak shear zone.											
<<Min: 32.6 - 48.46 0.05% pyrite>> Patches of PY mineralization in large, very broken up zone. Hard to tell where actual mineralization is.											
<<Vein: 33.6 - 33.7 70% Quartz 30 deg. >> Single QZ vein still mostly intact.											
<<Struc: 32.6 - 48.46 weak fault 10 deg. >> Weak fault shallow to core axis. Overprinting weak shear zone.											
<<Struc: 32.6 - 78.5 weak Sheared 35 deg. >> Weak shear zone, overprinted by faulting. Consists of interlayered basalt and altered basalt, which have subsequently been broken up and brecciated. Angles 25-45 tca.											
<b>39.32</b>	<b>43.00</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FG</b>							
39.32 - 43: Broken, light grey, altered basalt. Contains a number of QZ-calcite and calcite veins which are generally broken up by shearing and/or faulting.											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-20

From (m) To (m) Rocktype & Description

<<Struc: 40 - 40 weak Foliated 25 deg. >> Weak shear fabric.

**43.00 48.46 T1 Basalt grey-green FMG**

43 - 48.46: Broken, grey-green basalt. Pretty smashed up with several rubble intervals and weak shear fabric present in some areas.

<<Struc: 45.4 - 45.4 weak Foliated 45 deg. >> Weak shear fabric.

**48.46 64.10 T2 Basalt - Altered medium grey FMG**

48.46 - 64.1: Competent, but fractured, light grey-medium grey, altered basalt. Weak, patchy AK alteration. Dominantly altered basalt but with patches of unaltered basalt, likely interlayered due to weak shearing. Also contains broken up QZ-AK(?) veins with PY along their margins and clasts of altered basalt. Bands of dark to purple colored QZ with AK also present approaching lower contact.

<<Min: 48.46 - 53.9 0.5% pyrite>> fgr to cgr, isolated blebs and hedrons associated with alteration.

<<Min: 56.5 - 64.1 0.1% pyrite>>

<<Alt: 48.46 - 64.1 weak Ankerite>> Weak, patchy AK alteration in weakly sheared area.

<<Vein: 51.8 - 54.1 2% Quartz-Ankerite 30 deg. >> Numerous broken up QZ-carbonate veins.

<<Vein: 60.7 - 63.2 10% Quartz 40 deg. >> Bands of dark to purple QZ and AK. Angles 30-50 tca.

<<Struc: 60.7 - 60.7 weak Foliated 60 deg. >> Weak shear band.

<<Struc: 62.7 - 62.7 weak Foliated 40 deg. >> Weak shear band.

**64.10 65.75 T2 Basalt - Altered light grey FG**

64.1 - 65.75: Competent, light grey, altered basalt. Cracle breccia texture, with about 1% PY.

<<Min: 64.1 - 65.75 1% pyrite>> fgr to cgr blebs and hedrons.

<<Min: 65.3 - 65.5 0.01% arsenopyrite>>

<<Alt: 64.1 - 65.75 moderate Ankerite>>

**65.75 67.00 T5 Quartz Vein white FCG**

65.75 - 67: Competent milky QZ vein with wall rock fragments, extending into area of nearly brecciated altered basalt supported by matrix of QZ from vein. Angle about 30 tca.

<<Min: 65.75 - 67 0.2% pyrite>> fgr to cgr blebs and hedrons, mostly in wall rock fragments.

<<Vein: 65.75 - 67 Quartz 30 deg. >>

**67.00 78.50 T2 Basalt - Altered light grey FMG**

67 - 78.5: Competent, but fractured, altered basalt. Patchy AK alteration, most intense around areas of veining but fading in and out. Center of unit veined with some PY mineralization. Veins include shearing and extensional QZ veins, as well as bands of dark to purple colored QZ with AK and some PY along the margins.

<<Min: 71.3 - 72.7 2% pyrite>> fgr to cr blebs and hedrons.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
41.00	43.00	2.00	G278009	0.049	115	111	113	2
43.00	45.00	2.00	G278011	-0.005	71	70	110	2

45.00	47.00	2.00	G278012	-0.005	36	55	107	3
47.00	48.46	1.46	G278013	-0.005	100	37	114	2
48.46	50.40	1.94	G278014	0.201	177	67	67	2

50.40	52.40	2.00	G278015	0.146	220	62	60	3
52.40	54.00	1.60	G278016	0.012	54	64	70	2
54.00	56.00	2.00	G278017	-0.005	-2	89	83	-2
56.00	58.00	2.00	G278018	-0.005	12	69	93	2
58.00	60.00	2.00	G278019	-0.005	8	53	114	4
60.00	62.00	2.00	G278021	-0.005	30	50	133	4
62.00	64.10	2.10	G278022	-0.005	66	65	105	3
64.10	65.75	1.65	G278023	0.088	295	60	67	3

65.75	67.00	1.25	G278024	0.502	431	19	19	2
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67.00	69.00	2.00	G278026	-0.005	85	62	80	3
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69.00	70.50	1.50	G278027	-0.005	73	64	84	-2
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-20

From (m) To (m) Rocktype & Description

<<Min: 72.75 - 73.6 1% pyrite>> fgr to cgr blebs and hedrons.  
 <<Min: 74.6 - 75.1 1% pyrite>> fgr to mgr blebs and hedrons.  
 <<Alt: 67 - 78.5 moderate Ankerite>>  
 <<Vein: 71.3 - 72.7 40% Quartz 25 deg. >> Sheared milky QZ vein. Angles 20-30 tca.  
 <<Vein: 72.75 - 73.6 20% Quartz 35 deg. >> Extensional milky QZ vein. Angles 30-40 tca.  
 <<Vein: 74.6 - 75.1 5% Quartz 15 deg. >> Small bands of dark QZ and PY.  
 <<Vein: 78.1 - 78.3 30% Quartz 25 deg. >>

**78.50 92.90 T1 Basalt green FMG**

78.5 - 92.9: Competent, green basalt. Contains a few QZ-calcite shear bands with PY along their margins.

<<Min: 78.5 - 92.9 0.05% pyrite>>  
 <<Vein: 78.5 - 92.9 1% Quartz 25 deg. >> A few minor shear bands of QZ-calcite with PY along margin. Angles 10-40 tca.

**92.90 98.00 T2 Basalt - Altered grey-green FMG**

92.9 - 98: Competent, grey-green, altered basalt. Moderate, patchy AK alteration fading in and out, leaving small patches of unaltered basalt. Alteration increases approaching lower contact, where unit display crackle breccia texture and is mineralized with PY.

<<Min: 97.23 - 98 4% pyrite>> fgr to cgr blebs and hedrons.  
 <<Alt: 92.9 - 98 moderate Ankerite>>  
 <<Vein: 92.9 - 98 Quartz 30 deg. >>  
 <<Struc: 93.5 - 93.5 weak Foliated 25 deg. >> Weak shear fabric.

**98.00 98.50 T5 Quartz Vein white FCG**

98 - 98.5: Competent, sheared milky QZ vein. Shearing and brecciation along contacts, where surrounding units display crackle breccia texture. Angles 25-35 tca.

<<Vein: 98 - 98.5 Quartz 25 deg. >>

**98.50 110.45 T2 Basalt - Altered light grey FMG**

98.5 - 110.45: Semi-competent, but highly fractured, light grey to green, altered basalt. Patchy AK alteration leaving some patches of nearly unaltered basalt. Most intense alteration near upper contact with QZ vein where unit displays crackle breccia texture and is mineralized with PY. Unit contains one isolated extensional QZ vein and a number of broken and/or sheared QZ-calcite veins.

<<Min: 98.5 - 99.5 3% pyrite>> fgr to cgr blebs and hedrons in crackle breccia margin.  
 <<Min: 99.5 - 100.4 0.5% pyrite>> fgr to mgr blebs and hedrons.  
 <<Min: 103.33 - 111.87 0.05% pyrite>> Finely disseminated along margins of QZ-AK(?) shear bands.  
 <<Alt: 98.5 - 110.45 moderate Ankerite>>  
 <<Vein: 102.6 - 102.7 30% Quartz 40 deg. >> Broken and sheared milky QZ vein.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
70.50	71.50	1.00	G278028	0.009	92	50	85	3
71.50	73.00	1.50	G278029	0.49	973	26	53	4
73.00	74.30	1.30	G278031	1.44	298	254	94	2
74.30	76.30	2.00	G278032	-0.005	45	72	97	2
76.30	78.50	2.20	G278033	-0.005	39	74	89	-2

92.90	94.75	1.85	G278034	0.006	75	66	89	-2
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94.75	97.23	2.48	G278035	0.09	215	55	80	-2
97.23	98.00	0.77	G278036	2.41	896	43	36	-2

98.00	98.50	0.50	G278037	1.265	361	18	13	-2
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98.50	99.50	1.00	G278038	0.751	459	62	59	-2
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99.50	101.00	1.50	G278039	-0.005	60	61	90	-2
101.00	103.00	2.00	G278041	0.019	58	75	93	-2
103.00	104.20	1.20	G278042	0.012	25	78	76	-2
104.20	106.20	2.00	G278043	-0.005	57	80	84	-2
106.20	107.47	1.27	G278044	-0.005	60	56	87	-2



# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-20**

From (m)      To (m)                      Rocktype & Description

<<Vein: 103.33 - 111.87 1% Quartz-Ankerite 25 deg. >> Broken (and sheared?) QZ-AK(?) veins with trace PY in margins. Angles 20-30 tca.

<<Vein: 108 - 108.1 90% Quartz 28 deg. >> Single, isolated extensional milky QZ vein.

**110.45 121.62 T1                      Basalt                      grey-green                      FMG**

110.45 - 121.62: Competent, but fractured, green basalt.

**End of Hole @ 121.62**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
107.47	108.50	1.03	G278045	-0.005	83	47	84	-2
108.50	110.45	1.95	G278046	0.107	604	69	93	-2

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-21

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Darcy Baker
Grid:		Hole Diameter:	4 3/4	Survey By:	Ron Voordouw	Date Started:	15/07/2012
UTM Easting:	460132.04	Core Size:	NQ	Azimuth:	20	Date Completed:	16/07/2012
UTM Northing:	6570145.57	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1092.865	Casing Depth (m):	7.62	Length (m):	136.86	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title:		Drill Started:	14/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	14/07/2012
Local Elev. (m):							

Comments:  
Planned to extend hole beyond Taurus Thrust but hole could not continue at 136.86 owing to a swelling clay seam at about 134 m.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
24.08	-43.1	3.8	24.5	28.3	EZShot		13/07/2012	5764	<input checked="" type="checkbox"/>	
66.75	-43.1	4.4	24.5	28.9	EZShot		13/07/2012	5778	<input checked="" type="checkbox"/>	
112.47	-44.2	6	24.5	30.5	EZShot		13/07/2012	5855	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
<b>0.00</b>	<b>11.50</b>	<b>OVB Overburden</b>									
<b>11.50</b>	<b>15.00</b>	<b>T2 Basalt - Altered</b>	11.50	13.50	2.00	G278047	0.022	82	64	71	2
11.5 - 15: Light grey, moderately AK altered basalt. Some mud filled sections so bedrock interface is an estimate. Cut by numerous oxidized fractures. No sulfides.											
			13.50	15.00	1.50	G278048	0.015	162	67	70	3
<b>15.00</b>	<b>18.05</b>	<b>T1A Pillow Basalt green</b>	15.00	16.50	1.50	G278049	-0.005	10	55	106	-2
15 - 18.05: Green, unaltered basalt. Pillowed.											
			16.50	18.05	1.55	G278051	-0.005	18	56	105	3
<b>18.05</b>	<b>19.80</b>	<b>T2 Basalt - Altered</b>	18.05	18.75	0.70	G278052	2.49	2770	40	46	-2
18.05 - 19.8: Ankerite altered basalt. Distinct but wavy upper contact. Generally moderate ankerite altered with pyritohedrons. Cut by two sizeable quartz veins with associated pyrite and rare arsenopyrite.											
<<Min: 18.05 - 19.8 3% pyrite>>											
<<Min: 18.2 - 18.38 0.2% arsenopyrite>>											
<<Alt: 18.05 - 19.8 strong Ankerite>>											
			18.75	19.80	1.05	G278053	2.58	1915	20	46	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-21

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<p>&lt;&lt;Vein: 18.2 - 18.38 Quartz 46 deg. &gt;&gt; Planar vein, likely a shear vein based on banding with wallrock inclusions but not conclusive. Trace fine-grained AS within bands in vein.</p> <p>&lt;&lt;Vein: 18.4 - 18.75 Quartz&gt;&gt; Broken vein, some banding, stylolites so really looks like a shear vein. Cut by hairline fractures with CA.</p>											
<b>19.80</b>	<b>31.00</b>	<b>T1 Basalt green</b>	19.80	20.80	1.00	G278054	-0.005	47	60	133	-2
<p>19.8 - 31: Green unaltered or very weakly ankerite altered basalt. Upper contact is rubbly, lower contact with distinct but wavy. Cut by common, brittle CA veins and several CL-coated, brittle (late) surfaces some with slickensides.</p>											
<b>31.00</b>	<b>33.15</b>	<b>T2 Basalt - Altered</b>	30.00	31.00	1.00	G278055	0.009	39	60	102	-2
<p>31 - 33.15: Pale brown, ankerite altered basalt. Cut by one, 15 cm QZ vein (likely extensional) with pyrite halos. Lower contact is gradational.</p>			31.00	31.70	0.70	G278056	3.59	1465	49	55	-2
<p>&lt;&lt;Min: 31 - 33.15 2% pyrite&gt;&gt;</p> <p>&lt;&lt;Alt: 31 - 33.15 moderate Ankerite&gt;&gt;</p> <p>&lt;&lt;Vein: 31.45 - 31.7 Quartz 31 deg. &gt;&gt; Probably an extensional vein, upper contact fibrous, lower is more banded and irregular. Pyrite halo.</p>											
<b>33.15</b>	<b>38.20</b>	<b>T1 Basalt green</b>	31.70	33.15	1.45	G278057	0.303	372	69	90	-2
<p>33.15 - 38.2: Very weakly altered basalt (so effectively T1). Cut by a few CA vns. Pillowed. Cut by CL fractures. Upper and lower contacts gradational.</p>											
<b>38.20</b>	<b>39.32</b>	<b>T2 Basalt - Altered</b>	33.15	35.70	2.55	G278058	-0.005	-2	60	111	2
<p>38.2 - 39.32: Ankerite alteration halo around shear vein. Locally with a spaced ductile fabric (regional?). Cut by 4 discontinuous extensional AK-QZ veins (&gt;1 cm).</p>											
<p>&lt;&lt;Min: 38.2 - 39.32 4% pyrite&gt;&gt;</p> <p>&lt;&lt;Min: 38.2 - 39.32 0.2% arsenopyrite&gt;&gt;</p> <p>&lt;&lt;Alt: 38.2 - 39.32 strong Ankerite&gt;&gt;</p>											
<b>39.32</b>	<b>40.06</b>	<b>T5 Quartz Vein</b>	35.70	38.20	2.50	G278059	-0.005	13	59	113	-2
<p>39.32 - 40.06: Shear quartz vein: first significant vein / shear zone of this hole. Complex vein, possibly multiple events, lower part has abundant PY-AS with visible gold. Wallrock below has abundant PY-AS and has good shear fabric.</p>			38.20	39.32	1.12	G278061	2.3	6570	28	75	-2
<p>&lt;&lt;Min: 39.32 - 40.06 2% pyrite&gt;&gt;</p> <p>&lt;&lt;Min: 39.42 - 40.06 0.5% arsenopyrite&gt;&gt;</p> <p>&lt;&lt;Vein: 39.32 - 40.06 Quartz 38 deg. &gt;&gt; Shear vein with several wallrock inclusions. Lower part has abundant c.g. PY and f.g. AS in bands concordant to vein orientation. Looks complicated by several overprinting events. Good fabric and sulfide mineralization in wallrock immediately below. Two flecks of v.g. present in sawn core.</p>											
			39.32	40.06	0.74	G278062	68	10000. 1	41	29	5

# Drill Log

Project:

Cassiar

Hole Number:

TA12-21

From (m) To (m) Rocktype & Description

**40.06 41.07 T2 Basalt - Altered**

40.06 - 41.07: Ankerite-altered basalt in halo around shear vein. Upper portion is strongly sulfidized.

<<Min: 40.06 - 40.5 6% pyrite>>

<<Min: 40.06 - 40.5 2% arsenopyrite>> very fine-grained.

<<Alt: 40.06 - 41.07 moderate Ankerite>>

**41.07 46.10 T1 Basalt**

**green**

41.07 - 46.1: Green basalt. Minor CA vns.

**46.10 49.40 T2 Basalt - Altered**

46.1 - 49.4: Moderately AK altered basalt. Cut by some CA-cemented small breccias. Minor disseminated PY.

<<Min: 46.1 - 49.4 2% pyrite>>

<<Alt: 46.1 - 49.4 strong Ankerite>>

**49.40 49.75 T5 Quartz Vein**

49.4 - 49.75: SHEAR VEIN: stylolitic, moderately deformed QZ-AK.

<<Min: 49.73 - 51.1 4% pyrite>>

<<Alt: 49.73 - 51.1 moderate Ankerite>>

<<Vein: 49.4 - 49.73 Quartz 55 deg. >> Shear vein with stylolites, shearing along margins.

**49.75 52.55 T2 Basalt - Altered**

49.75 - 52.55: Moderately AK altered basalt with 4% disseminated PY in upper half.

<<Min: 51.8 - 52.55 2% pyrite>>

<<Alt: 51.1 - 51.8 weak Ankerite>>

<<Alt: 51.8 - 52.55 moderate Ankerite>>

<<Vein: 51.85 - 51.86 Quartz 45 deg. >>

**52.55 53.57 T5 Quartz Vein**

52.55 - 53.57: Quartz vein: large, white, coarse-grained, vuggy. Not obviously a shear vein but quite large for an extensional vein. Minor irregular patches of wallrock with ankerite look to be an earlier vein possibly overprinted by the c.g. QZ.

<<Vein: 52.55 - 53.57 Quartz 48 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
40.06	40.50	0.44	G278063	33	10000. 1	23	36	5
40.50	41.07	0.57	G278064	0.022	156	41	102	-2
41.07	43.10	2.03	G278065	0.014	32	64	73	2
43.10	45.06	1.96	G278066	-0.005	4	69	77	-2
45.06	46.10	1.04	G278067	-0.005	8	47	122	-2
46.10	47.70	1.60	G278068	0.784	1875	47	97	2
47.70	49.40	1.70	G278069	0.526	271	56	68	2
49.40	49.73	0.33	G278071	4.33	158	6	9	-2
49.73	51.10	1.37	G278072	3.05	996	43	55	-2
51.10	51.80	0.70	G278073	0.113	101	74	94	2
51.80	52.55	0.75	G278074	0.623	314	45	64	-2
52.55	53.57	1.02	G278076	0.213	111	2	8	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-21

From (m) To (m) Rocktype & Description

**53.57 59.95 T2 Basalt - Altered**

53.57 - 59.95: Moderately AK alt. basalt. Cut by 3 minor QZ vns. Pillowed. Lower art of unit characterised by a 20 cm wide shear zone with abundant v.f.g. PY.

<<Min: 53.57 - 55.1 3% pyrite>>

<<Min: 58.55 - 59.95 7% pyrite>>

<<Alt: 53.57 - 58 moderate Ankerite>>

<<Alt: 58 - 58.55 weak Ankerite>>

<<Alt: 58.55 - 59.95 strong Ankerite>>

<<Vein: 55 - 55.02 Quartz 34 deg. >>

<<Struc: 59.75 - 59.95 strong Sheared 40 deg. >> Discrete shear zone with abundant v.f.g. pyrite. Looks to be the same age as mineralization. Ductile.

**59.95 66.00 T1A Pillow Basalt green**

59.95 - 66: Green basalt. Cut by CA vns. Pillowed

**66.00 69.45 T2 Basalt - Altered**

66 - 69.45: AK altered basalt with common black cemented "crackle bx". Cut by several small CA-QZ vns (early) and a few extensional vns.

<<Min: 66 - 69.45 4% pyrite>> c.g. pyritohedrons

<<Alt: 66 - 69.45 moderate Ankerite>>

**69.45 71.20 T1 Basalt green**

69.45 - 71.2: Green, unaltered basalt.

**71.20 74.40 T2 Basalt - Altered**

71.2 - 74.4: Grey, moderately AK altered basalt. Quite uninteresting because it lacks sulfide. Cut by a couple CA vns.

<<Alt: 71.2 - 74.4 moderate Ankerite>>

**74.40 81.65 T1F Magnetic/Jasper Pillow Basalt green**

74.4 - 81.65: Generally green unaltered basalt with pillows and minor CL slick surfaces. From 76.92 to 78.55 is a different looking altered zone. Softer than typical AK altered zones so I didn't call this T2. Looks like possible EP along margins but interior of altered zone is pale inkish-tan. Probably ankerite-sericite? Probably not associated with gold event.

<<Alt: 76.92 - 78.55 weak Sericite>>

<<Alt: 76.92 - 78.55 moderate Ankerite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
53.57	55.10	1.53	G278077	3.55	1120	40	46	3
55.10	56.50	1.40	G278078	-0.005	21	88	91	-2
56.50	58.00	1.50	G278079	-0.005	12	60	88	-2
58.00	58.55	0.55	G278081	0.138	89	61	84	-2
58.55	59.95	1.40	G278082	1.51	935	26	35	3
59.95	62.00	2.05	G278083	-0.005	13	67	104	-2
62.00	64.00	2.00	G278084	-0.005	3	78	87	-2
64.00	66.00	2.00	G278085	-0.005	17	64	93	-2
66.00	67.70	1.70	G278086	0.332	408	28	52	-2
67.70	69.45	1.75	G278087	0.577	515	20	50	3
69.45	71.20	1.75	G278088	-0.005	14	78	82	-2
71.20	72.80	1.60	G278089	-0.005	109	50	84	-2
72.80	74.40	1.60	G278091	-0.005	54	62	75	-2
74.40	76.92	2.52	G278092	-0.005	3	81	81	-2
76.92	78.55	1.63	G278093	0.018	42	72	76	-2
78.55	80.10	1.55	G278094	-0.005	4	74	63	-2
80.10	81.65	1.55	G278095	-0.005	2	76	67	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-21

From (m) To (m) Rocktype & Description

**81.65 87.10 T2 Basalt - Altered**

81.65 - 87.1: Typical moderately altered basalt with PY increasing towards brecciated shear vein. Pillowed. Cut by a late, v.c.g. CA vein.

<<Min: 86.4 - 87.1 4% pyrite>>

<<Alt: 81.65 - 98.8 moderate Ankerite>>

<<Alt: 86.4 - 87.1 strong Ankerite>>

<<Vein: 83.6 - 87.1 Calcite>> Late, c.g. CA vein. No sulfide.

<<Vein: 86.72 - 86.76 Quartz 35 deg. >>

**87.10 87.75 T5 Quartz Vein**

87.1 - 87.75: Atypical shear vein with upper part characterized by breccia texture of white QZ enveloping angular, AK-altered wallrock fragments. Lower margin is laminated and very lowest contact is ptymatically folded (probably rotated sigmoidal extensional veins along margin -- see photos)

<<Min: 87.1 - 87.75 2% pyrite>>

<<Vein: 87.1 - 87.75 Quartz>> brecciated shear vn, shearing along lower margin

**87.75 95.60 T2 Basalt - Altered**

87.75 - 95.6: AK altered basalt with several planar, parallel extensional veins. Some sections of c.g. pyritohedrons.

<<Min: 87.75 - 88.95 4% pyrite>>

<<Min: 91.3 - 95.6 3% pyrite>>

<<Alt: 87.75 - 88.95 strong Ankerite>>

<<Alt: 91.3 - 95.6 strong Ankerite>>

<<Vein: 88.23 - 88.3 Quartz 39 deg. >>

<<Vein: 91.51 - 91.65 Quartz 55 deg. >> shear zone with QZ vein, moderately strong ductile fabric

<<Vein: 92.33 - 92.6 Quartz>> folded Qz-AK vein. Likely a sigmoidal, early extensional vein that has been deformed by rogressive deformation

<<Vein: 93.4 - 93.43 Quartz 31 deg. >>

<<Vein: 94.62 - 94.66 Quartz 47 deg. >>

**95.60 95.96 T5 Quartz Vein**

95.6 - 95.96: Laminated QZ shear vein. Lower margin has abundant bits of wallrock. Halos of abundant c.g. pyritonhedrons adjacent to vein.

<<Vein: 95.6 - 95.96 Quartz 34 deg. >> T5 shear vein

**95.96 98.80 T2 Basalt - Altered**

95.96 - 98.8: AK altered basalt. Alteration and PY decreases towards T1 unit below. Cut by a coule extensional veins.

<<Min: 95.96 - 97.9 3% pyrite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
81.65	83.00	1.35	G278096	-0.005	30	69	118	-2
83.00	84.70	1.70	G278097	-0.005	63	53	78	-2
84.70	86.40	1.70	G278098	-0.005	81	59	88	-2
86.40	87.10	0.70	G278099	0.66	578	25	37	-2
87.10	87.75	0.65	G278101	0.224	213	12	8	-2
87.75	88.95	1.20	G278102	1.335	783	185	82	-2
88.95	90.10	1.15	G278103	-0.005	127	65	93	5
90.10	91.30	1.20	G278104	0.103	105	66	85	2
91.30	92.30	1.00	G278105	0.496	403	88	74	3
92.30	93.30	1.00	G278106	1.04	450	40	55	-2
93.30	94.50	1.20	G278107	0.892	615	46	46	2
94.50	95.60	1.10	G278108	1.115	867	30	54	3
95.60	95.96	0.36	G278109	0.05	58	1	10	-2
95.96	97.00	1.04	G278111	0.692	604	23	32	3
97.00	97.90	0.90	G278112	0.878	753	24	43	2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-21

From (m) To (m) Rocktype & Description

<<Alt: 95.96 - 97.9 strong Ankerite>>

<<Vein: 97.83 - 97.85 Quartz 39 deg. >>

**98.80 112.85 T1A Pillow Basalt green**

98.8 - 112.85: Green, medium-grained pillowed basalt. Cut by several CL-coated, locally slickensided fractures.

**112.85 114.20 T2 Basalt - Altered**

112.85 - 114.2: Narrow zone of moderately altered basalt. Only trace sulfide.

<<Alt: 112.85 - 114.2 moderate Ankerite>>

**114.20 122.70 T1F Magnetic/Jasper Pillow Basalt green**

114.2 - 122.7: Medium-grained, pillowed basalt. Green. Cut by a couple late faults (no AK or PY, moderate CA associated with faulting). Cut by a narrow interval of pinkish alteration with minor CA. Could be late. No PY associated with alteration.

<<Alt: 117.85 - 118.25 weak Sericite>>

<<Alt: 117.85 - 118.25 moderate Ankerite>>

<<Struc: 118.7 - 118.85 fault 63 deg. >> CA alt, probably late

**122.70 129.08 T2 Basalt - Altered**

122.7 - 129.08: Typical AK altered basalt. Cut by three sizeable QZ veins with associated PY and increased AK alteration. Veins locally show folded margins and minor shearing but also are generally planar. Could have initially started as extensional veins but have been deformed with progressive deformation.

<<Min: 124.5 - 125.4 3% pyrite>>

<<Min: 124.5 - 125.4 0.1% arsenopyrite>>

<<Min: 127.05 - 130.85 5% pyrite>>

<<Alt: 122.7 - 129.08 moderate Ankerite>>

<<Vein: 124.9 - 125.09 Quartz 58 deg. >> lower margin folded, probably ext vn that has had some later shearing

<<Vein: 127.92 - 128.09 Quartz 57 deg. >> some shearing along margin

**129.08 130.85 T5 Quartz Vein**

129.08 - 130.85: Complex shear vein. Abundant layers of c.g. PY, and inclusions of wallrock. Some later deformation.

<<Min: 129.08 - 130.8 7% pyrite>>

<<Vein: 129.08 - 130.85 Quartz 45 deg. >> large complex vein, lots of bands of c.g. PY, wallrock fragments

**130.85 131.70 T1 Basalt green**

130.85 - 131.7: Poorly recovered zone (clay seam) but rock is greenish suggesting some late faulting has dissected the T5 shear vein above.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
97.90	98.80	0.90	G278113	0.025	69	61	83	2
98.80	100.28	1.48	G278114	-0.005	17	70	91	2
111.85	112.85	1.00	G278115	-0.005	4	75	71	-2
112.85	114.20	1.35	G278116	0.114	203	56	70	2
114.20	116.00	1.80	G278117	-0.005	-2	78	92	-2
116.00	117.80	1.80	G278118	-0.005	12	82	112	2
117.80	118.25	0.45	G278119	-0.005	69	51	78	2
118.25	120.50	2.25	G278121	-0.005	3	75	86	2
120.50	122.70	2.20	G278122	-0.005	4	53	102	3
122.70	124.50	1.80	G278123	0.149	31	61	102	3
124.50	125.45	0.95	G278124	1.815	8190	33	34	-2
125.45	127.05	1.60	G278126	0.085	39	61	100	2
127.05	127.71	0.66	G278127	2.22	926	59	68	2
127.71	129.08	1.37	G278128	1.26	2490	24	40	3
129.08	129.75	0.67	G278129	0.715	1120	7	18	2
129.75	130.85	1.10	G278131	0.99	1020	7	12	2
130.85	131.70	0.85	G278132	0.309	422	56	93	3

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-21**

From (m)    To (m)                      Rocktype & Description

**131.70 133.81 T2                      Basalt - Altered**

131.7 - 133.81: Quite broken core, poor recovery. Moderately ankerite altered basalt.

<<Min: 131.7 - 133.81 4% pyrite>>

<<Alt: 133 - 133.81 moderate Ankerite>>

<<Struc: 131.7 - 133.06 fault gouge>> late fault gouge (clay seam ultimately stopped hole), overprints PY + mineralization so late, poor recovery

**133.81 136.86 T1                      Basalt                                      green**

133.81 - 136.86: Quite broken, hole lost in pinching clay seam (above). Recovery poor here so sampled at blocks. 136.86 = EOH since clay seem precluded extending hole in spite of objective to intersect Taurus Thrust below.

**End of Hole @ 136.86**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
131.70	133.81	2.11	G278133	0.498	485	39	61	2

133.81	136.86	3.05	G278134	-0.005	8	76	92	2
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# Drill Log

**Project:** Cassiar **Hole Number:** TA12-22

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	16/07/2012
UTM Easting:	460253.05	Core Size:	NQ	Azimuth:	200	Date Completed:	17/07/2012
UTM Northing:	6570230.6	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1078.734	Casing Depth (m):	6.1	Length (m):	216.1	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	15/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	16/07/2012
Local Elev. (m):							

**Comments:**

Drilled as a fence across the current eastern extent of the Sable area to determine continuity of zones. Hole starts in magnetic pillow basalt with jasper, after which it alternates between unaltered and AK-altered basalt. Notable shear veins and mineralization occur at approximately 39-40, 93-94, 116-117, and 124-125 meters. Best candidate for Taurus Thrust at about 142 meters, with second, smaller shear zone at about 163 meters. Thrust could be splitting into several smaller thrusts.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
21.03	-43.7	162	24.5	186.5	EZShot		15/07/2012	5801	<input type="checkbox"/>	Collared in jasper-mag basalt
66.75	-44.9	171.3	24.5	195.8	EZShot		15/07/2012	5758	<input checked="" type="checkbox"/>	
112.47	-45	175.3	24.5	199.8	EZShot		15/07/2012	5743	<input checked="" type="checkbox"/>	
164.28	-45.9	175.7	24.5	200.2	EZShot		15/07/2012	5725	<input checked="" type="checkbox"/>	
197.82	-46.3	176.2	24.5	200.7	EZShot		15/07/2012	5694	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>0.00</b>	<b>8.40</b>	<b>OVB Overburden</b>									
<b>8.40</b>	<b>24.70</b>	<b>T1F Magnetic/Jasper Pillow Basalt green FMG</b>									
8.4 - 24.7: Competent, dark green, pillowed basalt. Inter-pillow areas contain oolitic jasper and are strongly magnetic.											
<b>24.70</b>	<b>26.80</b>	<b>T1 Basalt grey-green FMG</b>	24.70	26.80	2.10	G278135	-0.005	32	67	124	3
24.7 - 26.8: Broken, grey-green basalt. Fractures healed by calcite veining, and related to faulted lower contact. Weak shearing present near lower contact, which has subsequently been brecciated.											
<<Min: 25.1 - 25.2 5% pyrite>> Disseminated along shear band.											
<<Vein: 25.1 - 25.2 Pyrite 35 deg. >> Weak shear band with PY.											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-22

From (m) To (m) Rocktype & Description

**26.80 38.70 T2 Basalt - Altered light grey FG**

26.8 - 38.7: Competent, but fractured, altered basalt. Weak, patchy AK alteration due to mixing and interlayering with fragments of unaltered basalt. Upper 2 meters brecciated and gouged. PY spotty throughout, best around a small shear vein which also contains AS.

<<Min: 26.8 - 27.13 1% pyrite>> fgr to mgr blebs and hedrons

<<Min: 30.8 - 31 5% pyrite>> fgr to cgr blebs and hedrons.

<<Min: 30.8 - 31 0.5% arsenopyrite>> fgr to mgr blebs and hedrons.

<<Min: 38 - 38.7 5% pyrite>> fgr to cgr blebs and hedrons.

<<Alt: 26.8 - 38.7 weak Ankerite>>

<<Vein: 30.8 - 31 30% Quartz 42 deg. >> Three veins in close proximity with slight folding, possibly shear veins or slightly deformed extensional veins.

<<Struc: 26.8 - 33.3 weak Sheared 35 deg. >>

<<Struc: 27.13 - 28.4 moderate Fractured 20 deg. >> Angles 15-25 tca. Bounding units brecciated for several meters.

<<Struc: 34 - 34 weak Foliated 35 deg. >> Weak shear fabric.

**38.70 39.80 T5 Quartz Vein white FCG**

38.7 - 39.8: Competent, sheared milky QZ vein. Contains fragments of wall rock and large PY aggregates, with trace AS.

<<Min: 38.7 - 39.8 3% pyrite>>

<<Min: 38.7 - 39.8 0.05% arsenopyrite>>

<<Vein: 38.7 - 39.8 Quartz 35 deg. >> Sheared milky QZ vein with large PY aggregates and trace AS.

**39.80 41.00 T2 Basalt - Altered light grey FG**

39.8 - 41: Broken, light grey, altered basalt. QZ vein halo.

<<Min: 39.8 - 41 2% pyrite>> fgr to cgr blebs and hedrons.

<<Alt: 39.8 - 41 moderate Ankerite>>

**41.00 67.00 T1A Pillow Basalt grey-green FMG**

41 - 67: Competent, grey-green, pillowed basalt. Patches of weak AK(?) alteration in areas of calcite veining, usually related to inter-pillow areas which also contain PY (primary?). PY also occurs as isolated blebs and hedrons.

<<Min: 41 - 45 0.5% pyrite>> Disseminated blebs and hedrons primarily in inter-pillow areas, but also as isolated blebs and hedrons throughout unit.

<<Alt: 50.4 - 50.9 weak Ankerite>>

<<Alt: 52.2 - 52.6 weak Actinolite>>

<<Alt: 56.8 - 57.9 weak Ankerite>>

<<Struc: 41.4 - 41.4 moderate Foliated 45 deg. >> Weak shear fabric.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
26.80	28.00	1.20	G278136	0.657	314	60	87	2
28.00	29.85	1.85	G278137	-0.005	25	51	128	2
29.85	30.70	0.85	G278138	0.046	245	46	90	-2
30.70	31.60	0.90	G278139	1.17	2470	24	68	2
31.60	33.60	2.00	G278141	-0.005	12	62	136	2
33.60	35.60	2.00	G278142	-0.005	13	41	139	2
35.60	38.00	2.40	G278143	-0.005	40	53	115	2
38.00	38.70	0.70	G278144	3.34	10000. 1	23	74	2
38.70	39.80	1.10	G278145	2.84	1800	14	18	10
39.80	41.00	1.20	G278146	3.32	231	65	64	-2
41.00	42.00	1.00	G278147	-0.005	63	79	101	2
42.00	44.00	2.00	G278148	-0.005	33	76	119	2
44.00	46.32	2.32	G278149	-0.005	7	61	120	-2
52.00	52.70	0.70	G278151	-0.005	16	48	99	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-22

From (m) To (m) Rocktype & Description

<<Struc: 52.6 - 52.7 weak fault 35 deg. >>

**67.00 83.60 T2 Basalt - Altered light grey FMG**

67 - 83.6: Competent, but fractured, altered basalt. Unit has relict pillow texture in areas, transitioning to crackle breccia approaching lower contact. Unit also contains a number of QZ veins, some of which are extensional and some of which are shear.

<<Min: 67.3 - 69.8 1% pyrite>>

<<Min: 73 - 79.4 1% pyrite>>

<<Min: 79.4 - 83.6 5% pyrite>> fgr to cgr blebs and hedrons.

<<Min: 83.4 - 83.6 0.5% arsenopyrite>>

<<Alt: 67 - 79.9 weak Ankerite>>

<<Alt: 67 - 83.6 moderate Ankerite>>

<<Vein: 68.3 - 68.4 Quartz 30 deg. >> Milky QZ with tourmaline(?).

<<Vein: 68.6 - 68.75 Quartz 34 deg. >> Milky QZ with PY.

<<Vein: 69 - 69.2 Quartz 30 deg. >> Milky QZ with PY and fragments of wall rock.

<<Vein: 73 - 73.1 Quartz 25 deg. >> Milky QZ vein with tourmaline(?).

<<Vein: 74.6 - 74.75 Quartz 25 deg. >> Milky QZ vein with fuchsite(?).

<<Vein: 76.6 - 76.7 Quartz 30 deg. >> Milky QZ vein with tourmaline(?).

<<Vein: 79.9 - 80.2 Quartz 25 deg. >> Milky QZ shear vein with calcite vein along margin.

**83.60 83.90 CV Carbonate Vein white FCG**

83.6 - 83.9: Large calcite vein with bands of vfgr tourmaline.

**83.90 93.50 T2 Basalt - Altered light grey FMG**

83.9 - 93.5: Competent, but fractured, light grey, altered basalt. Broken towards lower contact, which is a strongly faulted area with a number of large calcite veins which are overprinting QZ veining and shearing. Surprisingly little mineralization.

<<Min: 83.9 - 86 1% pyrite>> fgr to cgr blebs and hedrons.

<<Alt: 83.9 - 86 moderate Ankerite>>

<<Alt: 86 - 94.18 weak Ankerite>>

<<Vein: 88.85 - 88.95 Calcite 40 deg. >> Large calcite vein with bands of vfgr tourmaline.

<<Vein: 90.2 - 90.6 Calcite 10 deg. >> Large calcite vein cutting QZ vein.

<<Vein: 90.4 - 90.7 Quartz 10 deg. >> Decent-sized QZ vein x-cut by large calcite vein. Possibly shear, but calcite overprinting seems like it could be extension-related even if late.

<<Vein: 91.31 - 92.2 Calcite 20 deg. >> Broken up and sheared calcite vein.

<<Struc: 87.5 - 88 weak fault 20 deg. >>

<<Struc: 91.14 - 94.18 strong fault 40 deg. >> Strongly faulted area with intense calcite flooding.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
67.00	68.10	1.10	G278152	0.045	166	42	71	2

68.10	69.80	1.70	G278153	0.816	1210	28	49	-2
69.80	71.71	1.91	G278154	-0.005	81	56	87	-2
71.71	73.70	1.99	G278155	0.007	110	81	98	-2
73.70	75.30	1.60	G278156	0.227	274	59	76	-2
75.30	77.00	1.70	G278157	0.018	124	77	77	-2
77.00	79.00	2.00	G278158	-0.005	52	65	90	-2
79.00	79.92	0.92	G278159	0.281	698	52	60	-2
79.92	81.40	1.48	G278161	1.235	738	8	33	-2
81.40	83.40	2.00	G278162	2.56	774	30	35	2
83.40	84.00	0.60	G278163	0.976	3020	38	21	-2

84.00	86.00	2.00	G278164	0.327	452	55	60	-2
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86.00	88.02	2.02	G278165	0.005	82	66	89	-2
88.02	89.20	1.18	G278166	-0.005	68	66	96	-2
89.20	90.20	1.00	G278167	-0.005	93	78	107	-2
90.20	90.70	0.50	G278168	-0.005	54	9	68	-2
90.70	92.27	1.57	G278169	-0.005	40	19	51	-2
92.27	93.50	1.23	G278171	-0.005	50	56	96	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-22

From (m) To (m) Rocktype & Description

**93.50 94.18 T5 Quartz Vein white FG**

93.5 - 94.18: Sheared and broken QZ vein, overprinted by calcite veining. Unmineralized.

<<Vein: 93.5 - 94.18 Quartz 10 deg. >> Sheared and broken QZ vein, overprinted by calcite veining. Nearby faulting could be responsible for sheared appearance, so not 100% confidence.

**94.18 110.30 T1A Pillow Basalt green FG**

94.18 - 110.3: Competent, green, pillowed basalt. Unmineralized. Boring.

<<Struc: 95 - 96 moderate fault 10 deg. >>

<<Struc: 97.65 - 97.95 moderate fault 20 deg. >>

**110.30 116.50 T2 Basalt - Altered light grey FG**

110.3 - 116.5: Competent, but fractured, light grey, altered basalt.

<<Min: 115.9 - 118.5 5% pyrite>> fgr to cgr blebs and hedrons.

<<Min: 115.98 - 116.5 0.5% arsenopyrite>> Finely disseminated along vein margins.

<<Alt: 110.3 - 116.15 moderate Ankerite>>

<<Vein: 116.15 - 116.9 Quartz 5 deg. >>

<<Struc: 110.7 - 111.8 weak fault 5 deg. >>

**116.50 116.90 T5 Quartz Vein white FCG**

116.5 - 116.9: Competent, sheared milky QZ vein. At center of alteration/crackle breccia zone.

**116.90 124.40 T2 Basalt - Altered light grey FG**

116.9 - 124.4: Competent, but fractured, altered basalt.

<<Min: 122.3 - 124 2% pyrite>>

<<Min: 124 - 128.3 5% pyrite>> fgr to cgr blebs and hedrons.

<<Alt: 116.9 - 124.4 moderate Ankerite>>

<<Vein: 122.8 - 123.3 Quartz 10 deg. >> Shallowly-dipping extensional vein of milky QZ and large crystal patches of green sericite.

**124.40 124.80 T5 Quartz Vein white FCG**

124.4 - 124.8: Competent, sheared milky QZ vein at top of alteration/crackle breccia zone.

<<Vein: 124.4 - 124.8 Quartz 5 deg. >> Sheared, milky QZ vein.

**124.80 128.70 T2 Basalt - Altered light grey FG**

124.8 - 128.7: Competent, light grey, altered basalt.

<<Min: 126.8 - 127.15 0.05% arsenopyrite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
93.50	94.18	0.68	G278172	-0.005	18	13	43	-2
94.18	96.10	1.92	G278173	-0.005	31	75	87	-2
110.30	112.30	2.00	G278174	-0.005	54	87	124	-2
112.30	114.30	2.00	G278176	0.068	346	77	93	-2
114.30	115.80	1.50	G278177	1.695	949	51	71	-2
115.80	117.30	1.50	G278178	0.578	2640	15	27	-2
117.30	119.30	2.00	G278179	0.299	720	30	68	-2
119.30	121.30	2.00	G278181	0.086	150	44	74	2
121.30	122.80	1.50	G278182	0.131	556	63	85	-2
122.80	123.90	1.10	G278183	0.075	155	49	50	-2
123.90	125.80	1.90	G278184	1.51	1040	41	39	2
125.80	127.71	1.91	G278185	1.93	2780	20	34	-2
127.71	128.70	0.99	G278186	1.275	930	31	55	2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-22

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Vein: 126.8 - 127.15 Quartz 18 deg. >> Sheared, milky QZ vein with sheared margins and trace AS.											
<b>128.70</b>	<b>132.50</b>	<b>T1 Basalt</b>	<b>green</b>	<b>FMG</b>							
128.7 - 132.5: Green, fgr to mgr basalt interval between altered basalt. Faulted contacts.											
<<Struc: 131.1 - 131.4 weak fault 42 deg. >> Fault in center of unaltered basalt unit.											
<b>132.50</b>	<b>142.16</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FG</b>	132.50	134.00	1.50	G278187	-0.005	27	69 92 -2
132.5 - 142.16: Competent, light grey, altered basalt. Alteration varies from weak to moderate, being more intense in areas of QZ veining where unit displays crackle breccia texture. Fault at top of unit separates weakly AK altered basalt from moderately AK altered basalt with crackle breccia texture. Less altered areas display primary massive basalt texture.											
<<Min: 139.4 - 141.2 1% pyrite>>											
<<Min: 141.2 - 142.3 4% pyrite>> fgr to cgr blebs and hedrons.											
<<Alt: 132.5 - 138.4 weak Ankerite>>											
<<Alt: 138 - 158.3 moderate Ankerite>>											
<<Vein: 139.2 - 139.4 Quartz 25 deg. >> Extensional milky QZ vein with green sericite patches.											
<<Struc: 133.78 - 133.95 weak fault 13 deg. >> Fault in altered basalt near upper contact.											
<<Struc: 136.65 - 136.8 weak fault 30 deg. >> Fault in altered basalt, before which is weakly AK altered and after which is moderately AK altered with a crackle breccia texture.											
<b>142.16</b>	<b>142.28</b>	<b>SHZN Shear Zone</b>	<b>dark grey</b>	<b>FCG</b>							
142.16 - 142.28: Competent, black-light grey shear zone. Consists mainly of black matrix with lighter colored fragments of altered basalt and QZ vein boudins. Foliation about 50 tca. Possibly Taurus Thrust.											
<<Struc: 142.16 - 142.28 strong Foliated 50 deg. >> Strong shear fabric.											
<b>142.28</b>	<b>160.64</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FMG</b>	142.50	143.60	1.10	G278194	0.05	191	57 60 -2
142.28 - 160.64: Competent, light grey, altered basalt. Alteration varies from weak to moderate, being more intense in areas of QZ veining where unit displays crackle breccia texture. Less altered areas display primary massive and pillow basalt texture. Several extensional QZ veins present, with lower altered zone centered on two AK-PY veins.											
<<Min: 143 - 144.2 3% pyrite>> fgr to mgr blebs and hedrons.											
<<Min: 148.9 - 150.4 5% pyrite>> fgr to cgr blebs and hedrons.											
<<Min: 150.4 - 152.2 1% pyrite>> fgr to mgr blebs and hedrons.											
<<Min: 152.2 - 154.94 9% pyrite>> fgr to cgr blebs and hedrons.											
<<Alt: 158.3 - 160.64 weak Ankerite>>											
<<Vein: 147.8 - 148 Quartz 30 deg. >> Extensional milky QZ vein with green sericite patches.											
<<Vein: 148.8 - 148.95 Quartz 25 deg. >> Extensional milky QZ vein with green sericite patches.											
<<Vein: 149.3 - 149.4 Quartz 26 deg. >> Milky QZ vein of unknown classification.											
<<Vein: 154 - 154.2 Ankerite 40 deg. >> Veins of AK with coarse grains of PY. Appear fragmented, likely shear due to their appearance and the fact that they are at the center of an alteration zone. Angles 25-50 tca.											
					143.60	145.00	1.40	G278195	0.29	427	46 49 -2
					145.00	147.00	2.00	G278196	-0.005	113	66 69 -2
					147.00	148.90	1.90	G278197	0.159	198	96 60 -2
					148.90	150.40	1.50	G278198	3.77	498	83 65 -2
					150.40	152.20	1.80	G278199	0.214	164	59 84 2
					152.20	154.20	2.00	G278201	0.668	699	38 49 -2
					154.20	155.20	1.00	G278202	0.483	3220	26 55 -2
					155.20	157.20	2.00	G278203	-0.005	80	64 88 -2
					157.20	159.00	1.80	G278204	-0.005	54	58 104 -2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-22

From (m) To (m) Rocktype & Description

<<Vein: 158.33 - 158.4 Quartz 32 deg. >> Milky QZ vein of unknown classification.

**160.64 161.90 T1A Pillow Basalt grey-green FMG**

160.64 - 161.9: Competent, grey-green, pillowed basalt. Moderate, pervasive calcite alteration and isolated hedrons of PY, likely primary.

<<Alt: 160.64 - 161.9 moderate Calcite>>

**161.90 163.15 T2 Basalt - Altered beige FG**

161.9 - 163.15: Small patch of moderately altered basalt bounded by small shears. Shears may be relict inter-pillow areas that have undergone minor shearing. Unit also contains isolated hedrons of PY, which are likely primary.

<<Alt: 161.9 - 163.2 moderate Ankerite>>

<<Struc: 163 - 163.15 weak Sheared 40 deg. >> Weak shear fabric.

**163.15 166.00 T1A Pillow Basalt grey-green FMG**

163.15 - 166: Competent, grey-green pillow basalt with a moderate epidote alteration and a weak AK alteration.

<<Alt: 163.2 - 166 moderate Epidote>>

<<Alt: 163.2 - 166 weak Calcite>>

**166.00 170.60 T2 Basalt - Altered light grey FG**

166 - 170.6: Competent, light grey, altered basalt. Alteration is centered on two small AK veins, with two AK veins at very shallow angles tca near end of unit.

<<Min: 166 - 167.6 4% pyrite>> fgr to cgr blebs and hedrons.

<<Min: 166.66 - 166.66 0.05% chalcopryrite>>

<<Min: 167.6 - 170.6 0.5% pyrite>> fgr to mgr blebs and hedrons.

<<Alt: 166 - 170.6 moderate Ankerite>>

<<Vein: 166.5 - 166.5 Ankerite 50 deg. >> Two small AK veins at center of alteration zone.

<<Vein: 170.09 - 170.44 Ankerite 10 deg. >>

<<Vein: 170.43 - 171.2 Ankerite 10 deg. >>

**170.60 175.55 T1A Pillow Basalt grey-green FMG**

170.6 - 175.55: Competent, grey-green pillow basalt with minor intervals of more massive basalt.

<<Struc: 172.9 - 173.43 weak fault>>

**175.55 179.47 T2 Basalt - Altered light grey FMG**

175.55 - 179.47: Competent, light grey, altered basalt. Strongest alteration and best mineralization near minor shear towards lower contact.

<<Min: 178.6 - 179.47 5% pyrite>> fgr to cgr blebs and hedrons.

<<Vein: 178.8 - 178.9 Quartz-Ankerite 45 deg. >> Center of alteration zone.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
159.00	160.64	1.64	G278205	-0.005	45	70	120	-2
160.64	161.90	1.26	G278206	-0.005	11	63	104	-2

161.90	163.20	1.30	G278207	0.188	120	64	82	5
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166.00	167.60	1.60	G278208	1.16	785	42	41	-2
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167.60	169.00	1.40	G278209	-0.005	55	56	101	-2
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169.00	170.60	1.60	G278211	-0.005	23	51	98	-2
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175.55	177.55	2.00	G278212	-0.005	63	67	120	-2
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177.55	179.47	1.92	G278213	0.815	547	43	77	3
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# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-22**

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
184.50	185.25	0.75	G278214	0.011	96	52	108	-2

<<Struc: 178.9 - 179 weak Sheared 75 deg. >> Weak, minor shear zone.

**179.47 205.66 T1A Pillow Basalt green FMG**

179.47 - 205.66: Competent, green, pillow basalt. Minor intervals of more massive basalt towards top of unit where weak foliation is seen in top 2 meters at about 45 tca. Inter-pillow areas typically flooded with QZ and calcite with minor epidote and PY. Two small areas of alteration, one AK and one sericite.

<<Alt: 179.47 - 205.66 weak Epidote>> Typically in inter-pillow areas.

<<Alt: 184.5 - 185.25 moderate Ankerite>>

<<Alt: 197.82 - 198.4 moderate White mica (Sericite)>> Moderate sericite alteration.

<<Vein: 180.73 - 180.8 Quartz-Ankerite 46 deg. >> Extensional QZ-AK vein.

<<Struc: 180 - 180 weak Foliated 45 deg. >> Weak foliation.

<<Struc: 189.05 - 189.55 moderate fault 58 deg. >>

**205.66 207.44 5B Chert medium grey VFG**

205.66 - 207.44: Competent, medium grey chert.

**207.44 209.30 T1A Pillow Basalt green FG**

207.44 - 209.3: Competent, green pillow basalt.

**209.30 216.10 5B Chert medium grey VFG**

209.3 - 216.1: Competent, medium grey chert. Looks clastic, but unrelated to faulting, more likely depositional.

210.00	211.57	1.57	G278215	-0.005	10	75	54	8
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**End of Hole @ 216.1**

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-23

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	18/07/2012
UTM Easting	460269.14	Core Size:	NQ	Azimuth:	200	Date Completed:	18/07/2012
UTM Northing:	6570278.9	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1069.435	Casing Depth (m):	6.1	Length (m):	21.03	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title		Drill Started:	17/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	17/07/2012
Local Elev. (m):							

**Comments:**

Hole abandoned at 21.03 meters due to difficulties encountered while drilling.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-45	176.63	23.37	200	Brunton				<input checked="" type="checkbox"/>	No survey done as hole was abandoned, this is purely an ideal value for Micromine plotting.

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME- ICP41	Zn ppm ME- ICP41	Pb ppm ME-
<b>0.00</b>	<b>21.03</b>	<b>OVB Overburden</b>									
<b>End of Hole @ 21.03</b>											



# Drill Log

**Project:** Cassiar **Hole Number:** TA12-24

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	18/07/2012
UTM Easting:	460296.61	Core Size:	NQ	Azimuth:	200	Date Completed:	20/07/2012
UTM Northing:	6570188.15	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1074.251	Casing Depth (m):	4.57	Length (m):	206.96	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	17/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	19/07/2012
Local Elev. (m):							

**Comments:**

Proposed name propTRS-S. Drilled as extended fence based on favorable mineralization seen in TA12-22. Dominantly pillow basalt and altered basalt, with minor QZ veining and PY mineralization with trace AS and CP associated with veining. Fault zone from 197-201m possibly represents reactivated Taurus Thrust.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-50	200	0	200	Brunton	Ron Voordouw	17/07/2012		<input checked="" type="checkbox"/>	
8.84	-43	176.8	23.37	200.17	EZShot		19/07/2012	5724	<input checked="" type="checkbox"/>	
51.51	-43.2	177.1	23.37	200.47	EZShot		18/07/2012	5734	<input checked="" type="checkbox"/>	
97.23	-43.8	177.6	23.37	200.97	EZShot		18/07/2012	5711	<input checked="" type="checkbox"/>	
146	-43.7	180	23.37	203.37	EZShot		18/07/2012	5694	<input checked="" type="checkbox"/>	
200.56	-43.9	180.2	23.37	203.57	EZShot		19/07/2012	5664	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME- ICP41	Zn ppm ME- ICP41	Pb ppm ME-
<b>0.00</b>	<b>4.57</b>	<b>OVB Overburden</b>									
<b>4.57</b>	<b>11.89</b>	<b>T1 Basalt grey-green FMG</b>									
4.57 - 11.89: Broken, grey-green basalt. Moderate calcite alteration and slight oxidation.											
<<Min: 11 - 12.1 0.5% arsenopyrite>> fgr to mgr blebs and hedrons.											
<<Alt: 4.57 - 11.8 moderate Calcite>>											
<b>11.89</b>	<b>21.40</b>	<b>T2 Basalt - Altered grey-green FMG</b>	11.89	14.94	3.05	G278231	0.567	587	63	103	-2
11.89 - 21.4: Broken, light grey, altered basalt. Alteration patchy and weak to moderate throughout unit. QV present near top of unit with PY and AS along margins.											
<<Min: 11.9 - 12.1 3% pyrite>> fgr to mgr blebs and hedrons.											
<<Alt: 11.89 - 21.4 weak Ankerite>>											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-24

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Vein: 11.9 - 12.1 Quartz 40 deg. >> Milky QZ vein with PY and AS along margins.											
<b>21.40</b>	<b>32.00</b>	<b>T1F</b>	<b>Magnetic/Jasper Pillow Basalt grey-green</b>			<b>FMG</b>					
21.4 - 32: Broken, grey-green pillow basalt. Magnetic with hematite likely representing residual jasper. Numerous calcite veins, typically cutting through inter-pillow areas.											
<<Alt: 21.4 - 32 weak Calcite>>											
<b>32.00</b>	<b>33.80</b>	<b>T2</b>	<b>Basalt - Altered</b>			<b>light grey</b>	<b>FG</b>				
32 - 33.8: Semi-competent, light grey, altered basalt. Moderate AK alteration, with PY disseminated outwards from central sheared QZ vein.											
<<Min: 32 - 33.8 5% pyrite>> fgr to mgr blebs and hedrons.											
<<Alt: 32 - 33.8 moderate Ankerite>>											
<<Vein: 33.2 - 33.3 Quartz 45 deg. >> Milky QZ vein with sheared and fragmented margins.											
<b>33.80</b>	<b>48.20</b>	<b>T1F</b>	<b>Magnetic/Jasper Pillow Basalt grey-green</b>			<b>FMG</b>					
33.8 - 48.2: Broken, grey-green pillow basalt. Strong, patchy magnetism. Numerous calcite veins, typically cutting through inter-pillow areas. Moderate, pervasive calcite alteration.											
<<Alt: 33.8 - 48.2 moderate Calcite>>											
<b>48.20</b>	<b>52.00</b>	<b>T2</b>	<b>Basalt - Altered</b>			<b>light grey</b>	<b>FG</b>				
48.2 - 52: Competent, but fractured, moderately AK altered basalt. Contains two minor extensional veins and one shear vein with PY and AS near margins.											
<<Min: 48.85 - 49.05 0.5% pyrite>> fgr to mgr blebs and hedrons.											
<<Min: 48.85 - 49.05 0.5% arsenopyrite>> fgr blebs and hedrons.											
<<Alt: 48.2 - 52 moderate Ankerite>>											
<<Vein: 48.85 - 49.05 Quartz 40 deg. >> Milky QZ vein with PY and AS near margins.											
<<Vein: 50.1 - 50.15 Quartz 50 deg. >>											
<<Vein: 51.85 - 51.9 Quartz 30 deg. >>											
<b>52.00</b>	<b>56.30</b>	<b>T1</b>	<b>Basalt</b>			<b>grey-green</b>	<b>FMG</b>				
52 - 56.3: Competent, but fractured, basalt. Moderate calcite alteration and numerous calcite veins.											
<<Alt: 52 - 56.3 moderate Calcite>>											
<b>56.30</b>	<b>74.10</b>	<b>T2</b>	<b>Basalt - Altered</b>			<b>light grey</b>	<b>FMG</b>				
56.3 - 74.1: Semi-competent, light grey, altered basalt. Some broken areas, mainly associated with weak shear. Alteration ranges from weak and patchy to moderate and pervasive, with the two moderately altered areas centered on small, weak shears and minor AK veining.											
<<Min: 56.3 - 58 7% pyrite>> fgr to mgr blebs and hedrons.											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-24

From (m) To (m) Rocktype & Description

<<Min: 56.8 - 56.9 0.5% arsenopyrite>> fgr blebs.

<<Min: 58.9 - 62.3 0.3% pyrite>>

<<Min: 60.93 - 60.93 0.05% chalcopyrite>> Single mgr bleb of CP.

<<Min: 62.3 - 74.1 0.5% pyrite>>

<<Alt: 56.3 - 58.9 moderate Ankerite>>

<<Alt: 58.9 - 62.3 weak Ankerite>>

<<Alt: 62.3 - 74.1 moderate Ankerite>>

<<Struc: 57.2 - 57.9 weak Sheared 32 deg. >> Weak shear zone.

<<Struc: 57.55 - 57.55 weak Foliated 32 deg. >> Weak shear.

<<Struc: 67.5 - 67.7 weak Sheared 20 deg. >> Weak shear zone.

<<Struc: 67.6 - 67.6 weak Foliated 20 deg. >> Weak shear fabric.

<<Struc: 69.9 - 69.9 weak Foliated 40 deg. >> Weak shear fabric.

**74.10 81.10 T1A Pillow Basalt green FG**

74.1 - 81.1: Competent, green pillow basalt. Small breccia zone from 78.3-78.94.

<<Struc: 78.3 - 78.94 moderate fault breccia 35 deg. >> Small breccia zone.

**81.10 85.04 T2 Basalt - Altered light grey FG**

81.1 - 85.04: Competent, light grey, altered basalt. Moderate AK alteration, centered on two sheared QZ veins. Upper margin of first QZ vein is silicified and brecciated, with large calcite vein cutting through.

<<Min: 81.1 - 85.04 0.2% pyrite>>

<<Alt: 81.1 - 84.7 moderate Ankerite>>

<<Vein: 82.55 - 82.75 Calcite 25 deg. >> Calcite vein on margin of sheared QZ vein with brecciated margins.

<<Vein: 82.75 - 82.85 Quartz 30 deg. >> Sheared milky QZ vein with silicified, brecciated margins.

<<Vein: 83.4 - 83.6 Quartz 15 deg. >>

**85.04 94.10 T1A Pillow Basalt green FG**

85.04 - 94.1: Competent, green pillow basalt.

**94.10 101.75 T2 Basalt - Altered beige FMG**

94.1 - 101.75: Competent, beige, altered basalt. AK alteration patchy, ranging from pervasively altered to patches of unaltered. Relict pillow textures present in altered areas. Unit ends with small, moderately sheared area which has been faulted.

<<Alt: 94.1 - 101.75 moderate Ankerite>>

<<Vein: 99.8 - 100.5 Ankerite 5 deg. >>

<<Struc: 101.14 - 101.25 moderate Sheared 70 deg. >>

<<Struc: 101.4 - 101.65 moderate fault 60 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
62.30	64.00	1.70	G278222	0.019	79	50	86	-2
64.00	66.00	2.00	G278223	0.136	332	43	83	-2
66.00	68.00	2.00	G278224	0.312	288	51	71	2
68.00	70.00	2.00	G278226	0.008	76	55	96	-2
70.00	72.00	2.00	G278227	-0.005	42	64	97	-2

81.10	82.20	1.10	G278228	0.027	290	54	78	2
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82.20	83.60	1.40	G278229	0.072	234	35	72	2
83.60	85.04	1.44	G278232	0.009	64	97	107	-2

94.10	96.10	2.00	G278233	-0.005	4	76	128	-2
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96.10	97.30	1.20	G278234	-0.005	5	76	147	-2
97.30	98.50	1.20	G278235	-0.005	2	80	93	-2
98.50	100.28	1.78	G278236	-0.005	18	81	177	-2
100.28	101.75	1.47	G278237	-0.005	-2	79	154	-2

# Drill Log

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From (m)	To (m)	Rocktype & Description	Color	Grade	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
101.75	106.55	T1A Pillow Basalt	green	FG									
101.75 - 106.55: Competent, green pillow basalt.													
106.55	111.10	T2 Basalt - Altered	beige	FG	106.75	108.70	1.95	G278238	-0.005	49	63	88	-2
106.55 - 111.1: Competent, beige, altered basalt. Relict pillow structures present. Alteration mainly due to AK veining nearly parallel to core axis, which has been overprinted by calcite veining.													
<<Min: 106.55 - 111.1 0.1% pyrite>>													
<<Alt: 106.55 - 111.1 moderate Ankerite>>													
111.10	114.65	T1A Pillow Basalt	green	FG									
111.1 - 114.65: Competent, green pillow basalt.													
<<Alt: 114.12 - 125.8 moderate Ankerite>>													
114.65	125.80	T2 Basalt - Altered	beige	FMG	114.65	116.75	2.10	G278242	0.116	163	72	97	-2
114.65 - 125.8: Competent, beige, altered basalt. Crackle brecciated throughout, with relict pillow textures and two small extensional QZ veins. Minor shear present near upper contact.													
<<Min: 114.9 - 115.18 0.5% pyrite>>													
<<Min: 115.18 - 125.8 0.1% pyrite>>													
<<Vein: 123.05 - 123.2 Quartz 25 deg. >>													
<<Vein: 123.72 - 123.82 Quartz 28 deg. >>													
<<Struc: 114.65 - 114.65 weak Foliated 35 deg. >> Weak shear fabric of altered basalt and aligned AK veins.													
<<Struc: 114.9 - 115.18 weak Sheared 35 deg. >> Weak shear.													
125.80	145.00	T1A Pillow Basalt	green	FMG									
125.8 - 145: Dominantly competent, green pillow basalt, with ~1 meter interval of mg, massive basalt at top.													
145.00	145.60	T2 Basalt - Altered	beige	FG	145.00	145.60	0.60	G278248	0.007	56	55	95	-2
145 - 145.6: Competent, beige, weakly AK altered basalt. Centered on small sheared QZ vein. Unmineralized.													
<<Alt: 145 - 145.6 weak Ankerite>>													
<<Vein: 145.1 - 145.16 Quartz 40 deg. >> Sheared milky QZ vein with parallel calcite vein.													
145.60	158.09	T1A Pillow Basalt	green	FG									
145.6 - 158.09: Competent, green pillow basalt.													
158.09	167.17	T1A Pillow Basalt	green	FMG									
158.09 - 167.17: Competent, green pillow basalt. Moderate, pervasive calcite alteration and moderate, blebby epidote alteration nearing lower contact. Pillows quite large in some areas, with medium grained phenocrysts away from margins.													

# Drill Log

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From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Alt: 158.09 - 167.17 moderate Calcite>> <<Alt: 166.45 - 167.17 moderate Epidote>>											
<b>167.17</b>	<b>172.90</b>	<b>T2 Basalt - Altered</b>	<b>beige</b>	<b>FG</b>	167.17	169.00	1.83	G278249	-0.005	78	85 211 -2
167.17 - 172.9: Competent, beige, moderately AK altered basalt with relict pillow structures. Weak PY mineralization near upper contact.											
<<Min: 167.17 - 170.2 3% pyrite>> fgr to cgr blebs and hedrons.											
<<Min: 172.8 - 172.9 3% pyrite>>											
<<Min: 172.8 - 172.9 2% arsenopyrite>>											
<<Alt: 167.17 - 172.9 moderate Ankerite>>											
<b>172.90</b>	<b>173.90</b>	<b>T5 Quartz Vein</b>	<b>white</b>	<b>FCG</b>	172.90	173.90	1.00	G278253	1	10000.1	38 28 -2
172.9 - 173.9: Competent, sheared QZ vein with PY and AS along margins, and one bleb of CP.											
<<Min: 173.72 - 173.72 0.1% chalcopyrite>> Single bleb of CP in QZ vein.											
<<Min: 173.8 - 173.9 3% pyrite>>											
<<Min: 173.8 - 173.9 2% arsenopyrite>>											
<<Vein: 172.9 - 173.9 Quartz 20 deg. >> Sheared milky QZ vein with PY and AS margins and one bleb of CP.											
<b>173.90</b>	<b>180.80</b>	<b>T2 Basalt - Altered</b>	<b>beige</b>	<b>FG</b>	173.90	175.50	1.60	G278254	0.049	275	73 105 -2
173.9 - 180.8: Competent, beige, moderately AK altered basalt with relict pillow structures.											
<<Min: 175.9 - 180.8 1% pyrite>> fgr to mgr blebs and hedrons.											
<<Alt: 175.9 - 180.8 moderate Ankerite>>											
<b>180.80</b>	<b>196.90</b>	<b>T1A Pillow Basalt</b>	<b>black</b>	<b>FMG</b>	180.80	192.00	2.00	G278258	-0.005	-2	65 104 -2
180.8 - 196.9: Competent, black, massive pillow basalt. Pillows quite large and dominantly medium grained with exception of pillow margins. Weakly silicified and moderately calcite altered, with a weak epidote alteration and disseminated hedrons of PY.											
<<Min: 184.4 - 196.9 1% pyrite>> fgr to mgr blebs and hedrons.											
<<Alt: 180.8 - 196.9 weak Silicification >>											
<<Alt: 180.8 - 196.9 weak Epidote>>											
<<Alt: 180.8 - 196.9 moderate Calcite>>											
<<Struc: 196.63 - 200.86 strong Fractured 40 deg. >> Brecciated and gouged area, possibly overprinted Taurus Thrust. Angles 25-55 tca.											

# Drill Log

Project:

Cassiar

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TA12-24

From (m) To (m) Rocktype & Description

**196.90 200.30 T2 Basalt - Altered light grey FMG**

196.9 - 200.3: Semi-competent, light grey, weakly AK altered basalt. Upper contact is large fault zone, possibly overprinted Taurus Thrust.

<<Min: 196.9 - 200.3 0.5% pyrite>> fgr to mgr blebs and hedrons.

<<Alt: 196.9 - 200.3 weak Ankerite>>

<<Struc: 200.2 - 200.3 weak Sheared 50 deg. >> Weak shear near contact between altered basalt and chert.

**200.30 206.96 5B Chert medium grey VFG**

200.3 - 206.96: Broken, medium grey chert. One shattered QZ vein near upper contact. PY present as fgr to mgr blebs and finely disseminated.

<<Min: 200.3 - 203 1% pyrite>> fgr to mgr blebs and hedrons.

<<Min: 203 - 206.96 0.2% pyrite>>

<<Vein: 200.86 - 201.15 Quartz>> Shattered QZ vein near upper contact of chert.

**End of Hole @ 206.96**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
196.90	198.30	1.40	G278259	-0.005	52	69	110	-2
198.30	200.30	2.00	G278261	0.041	80	68	102	-2
200.30	203.00	2.70	G278262	0.015	69	45	43	6
203.00	205.00	2.00	G278263	0.049	62	81	26	2
205.00	206.96	1.96	G278264	0.012	10	59	31	3

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-25

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	21/07/2012
UTM Easting:	460026.85	Core Size:	NQ	Azimuth:	0	Date Completed:	22/07/2012
UTM Northing:	6570161.05	Casing Pulled?:	<input type="checkbox"/>	Dip:	-50	Drill Company:	Apex
UTM Elev. (m):	1101.4	Casing Depth (m):	6.1	Length (m):	200.86	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	20/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	22/07/2012
Local Elev. (m):							

**Comments:**

Proposed name propTRS-AT. Drilled as a follow-up to zones intersected in holes TA12-10 and TA12-14, to test both lateral continuity and dip of shear and extension vein structures. A very prospective altered basalt unit was intersected from 87-135m which contained a number of extensional and sheared QZ veins as well as several weakly sheared zones, all of which are associated with PY mineralization. Fault zone with gouge at 168-169 m possibly Taurus Thrust with brittle overprint.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-50	336.63	23.37	0	Brunton				<input checked="" type="checkbox"/>	Idealized value to make Micromine happy.
57.61	-50.7	336.9	23.37	0.27	EZShot		20/07/2012	5766	<input checked="" type="checkbox"/>	
106.38	-50.3	337.1	23.37	0.47	EZShot		20/07/2012	5781	<input checked="" type="checkbox"/>	
149.05	-51.8	340.6	23.37	3.97	EZShot		21/07/2012	5868	<input checked="" type="checkbox"/>	
194.77	-52.8	337	23.37	0.37	EZShot		21/07/2012	4934	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
<b>0.00</b>	<b>6.10</b>	<b>OVB Overburden</b>									
<b>6.10</b>	<b>9.97</b>	<b>T1A Pillow Basalt</b>	<b>green</b>	<b>FMG</b>	6.40	6.90	0.50	G278265	-0.005	4	60 117 -2
6.1 - 9.97: Competent, green pillow basalt. Inter-pillow areas filled by purple QZ and calcite. Contains one extensional QV near top with TT.											
<<Min: 6.6 - 6.64 tetrahedrite>>											
<<Vein: 6.6 - 6.64 Quartz 52 deg. >> Milky QZ vein with TT.											
<b>9.97</b>	<b>13.55</b>	<b>T2 Basalt - Altered</b>	<b>beige</b>	<b>FG</b>	9.97	11.20	1.23	G278267	0.921	393	35 71 -2
9.97 - 13.55: Competent, beige, altered basalt with relict pillow structures. Centered on sheared QZ vein, around which unit displays crackle breccia texture and PY mineralization.											
<<Min: 10.6 - 12.2 4% pyrite>> fgr to cgr blebs and hedrons.											
<<Min: 11.43 - 11.64 0.05% tetrahedrite>>											
					11.20	12.20	1.00	G278268	3.23	2130	19 36 -2
					12.20	13.55	1.35	G278269	-0.005	22	79 107 -2

# Drill Log

Project:

Cassiar

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TA12-25

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Alt: 9.97 - 13.55 moderate Ankerite>> <<Vein: 11.43 - 11.64 Quartz 45 deg. >> Sheared milky QZ vein with TT, at center of crackle breccia unit.											
<b>13.55</b>	<b>18.66</b>	<b>T1A Pillow Basalt</b>	<b>green</b>	<b>FMG</b>							
13.55 - 18.66: Competent, green pillow basalt. Inter-pillow areas typically flooded by calcite.											
<b>18.66</b>	<b>19.25</b>	<b>T2 Basalt - Altered</b>	<b>beige</b>	<b>FG</b>	18.66	19.25	0.59	G278271	-0.005	4	94 96 -2
18.66 - 19.25: Competent, beige, altered basalt. Centered on small AK vein. Faulted lower contact.											
<<Alt: 18.66 - 19.25 moderate Ankerite>> <<Vein: 19.01 - 19.06 Ankerite 50 deg. >> <<Vein: 19.02 - 19.07 Ankerite 48 deg. >> <<Struc: 19.15 - 19.25 weak fault 50 deg. >>											
<b>19.25</b>	<b>21.20</b>	<b>T1A Pillow Basalt</b>	<b>green</b>	<b>FMG</b>							
19.25 - 21.2: Competent, green pillow basalt. Faulted upper and lower contacts.											
<<Vein: 21.03 - 21.23 Quartz-Ankerite 15 deg. >>											
<b>21.20</b>	<b>21.90</b>	<b>T2 Basalt - Altered</b>	<b>beige</b>	<b>FG</b>	21.20	21.90	0.70	G278272	0.215	176	179 103 -2
21.2 - 21.9: Competent, beige, altered basalt. Centered on series of small AK±QZ veins.											
<<Min: 21.2 - 21.9 1% pyrite>> fgr to mgr blebs and hedrons. <<Alt: 21.2 - 21.9 moderate Ankerite>> <<Struc: 21.8 - 21.9 weak fault 40 deg. >>											
<b>21.90</b>	<b>29.00</b>	<b>T1A Pillow Basalt</b>	<b>green</b>	<b>FMG</b>							
21.9 - 29: Competent, green pillow basalt.											
<b>29.00</b>	<b>32.12</b>	<b>T2 Basalt - Altered</b>	<b>beige</b>	<b>FG</b>	29.00	30.10	1.10	G278273	0.072	173	70 75 -2
29 - 32.12: Competent, beige, altered basalt. Centered on two QZ veins, one of which is brecciated and one of which is extensional and contains TT.											
<<Min: 29 - 32.12 0.2% pyrite>> <<Min: 29.5 - 29.56 0.5% tetrahedrite>> <<Alt: 29 - 32.12 moderate Ankerite>> <<Vein: 29.25 - 29.4 Quartz 42 deg. >> Brecciated, milky QZ vein. <<Vein: 29.5 - 29.56 Quartz 40 deg. >> Extensional, milky QZ vein with TT. <<Struc: 29.25 - 29.4 weak fault 42 deg. >> Brecciated QZ vein.											



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From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>32.12</b>	<b>40.96</b>	<b>T1A Pillow Basalt</b>									
32.12 - 40.96: Competent, green pillow basalt. One extensional QZ vein near top.											
<<Min: 40.8 - 43 0.4% pyrite>>											
<<Vein: 34.99 - 35.07 Quartz 38 deg. >> Extensional, milky QZ vein.											
<<Struc: 40.8 - 43 weak Sheared 42 deg. >> Weak shear fabric.											
<b>40.96</b>	<b>43.85</b>	<b>T2 Basalt - Altered</b>									
40.96 - 43.85: Semi-competent, medium grey, altered basalt. Centered on two small sheared QZ veins which are unmineralized but in a weakly sheared area.											
<<Alt: 40.96 - 43.85 weak Ankerite>>											
<<Vein: 42.1 - 42.37 Quartz 45 deg. >> Sheared, milky QZ vein, with tourmaline!!!											
<<Vein: 42.65 - 42.8 Quartz 40 deg. >> Sheared, milky QZ vein.											
<b>43.85</b>	<b>58.15</b>	<b>T1A Pillow Basalt</b>									
43.85 - 58.15: Competent, green pillow basalt. Faulted in center, after which pillows become much larger and one margin contains 2% PY over 50 cm (likely primary or metamorphic).											
<<Min: 52.06 - 52.52 2% pyrite>> mgr blebs and hedrons. Likely primary or metamorphic.											
<<Struc: 47.3 - 48.54 moderate fault 60 deg. >> Angles 55-65 tca.											
<b>58.15</b>	<b>71.10</b>	<b>T2 Basalt - Altered</b>									
58.15 - 71.1: Competent, light grey, altered basalt. Centered on several QZ veins, some of which are shear and some of which are unclassified, around which unit displays crackle breccia texture. PY is present around the veins as well as AS along one vein margin.											
<<Min: 61.25 - 62.5 5% pyrite>> fgr to cgr blebs and hedrons.											
<<Min: 64.15 - 65.93 0.5% pyrite>>											
<<Min: 65.49 - 65.53 0.1% arsenopyrite>>											
<<Min: 65.5 - 65.51 0.05% chalcopyrite>>											
<<Alt: 58.15 - 71.1 moderate Ankerite>>											
<<Vein: 61.4 - 61.54 Quartz 30 deg. >> Sheared milky QZ vein.											
<<Vein: 61.6 - 61.78 Quartz-Ankerite 25 deg. >> Sheared vein of QZ and AK.											
<<Vein: 61.85 - 62.1 Quartz 28 deg. >> Milky QZ vein with small patches of green sericite.											
<<Vein: 64.17 - 64.23 Quartz 40 deg. >> Extensional milky QZ vein.											
<<Vein: 65.5 - 65.55 Quartz 50 deg. >> Milky QZ vein with a bleb of CP.											
<b>71.10</b>	<b>87.25</b>	<b>T1A Pillow Basalt</b>									
71.1 - 87.25: Competent, green pillow basalt.											

40.96	42.50	1.54	G278276	0.09	81	71	92	-2
42.50	43.85	1.35	G278277	0.014	82	53	86	-2
51.96	52.56	0.60	G278278	-0.005	-2	98	95	-2
58.15	60.00	1.85	G278279	0.471	345	57	83	-2
60.00	61.25	1.25	G278281	0.089	82	62	93	-2
61.25	62.50	1.25	G278282	1.145	753	33	57	-2
62.50	64.00	1.50	G278283	-0.005	89	60	90	-2
64.00	65.35	1.35	G278284	0.127	178	71	91	-2
65.35	65.49	0.14	G278285	0.43	985	59	45	-2
65.49	65.93	0.44	G278286	0.291	2490	58	74	-2
65.93	67.30	1.37	G278287	-0.005	77	67	95	-2
67.30	69.30	2.00	G278288	-0.005	49	74	100	-2
69.30	71.10	1.80	G278289	-0.005	11	80	102	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-25

From (m) To (m) Rocktype & Description

**87.25 135.38 T2 Basalt - Altered light grey FMG**

87.25 - 135.38: Competent, light grey to beige, AK altered basalt. Alteration varies from weak to moderate, with stronger alteration centered on QZ veins and associated crackle breccia. A number of sheared and extensional QZ veins are present, with most intense mineralization around shear veins where PY forms large aggregates. PY also present as disseminations centered on QZ veins, and AS is present near some QZ veins but relatively uncommon. Many small shears are present throughout as well, commonly associated with disseminated PY mineralization. A very prospective unit.

<<Min: 90.6 - 99.5 0.5% pyrite>> Small, isolated blebs.  
 <<Min: 99.5 - 101.25 3% pyrite>> fgr to mgr blebs and hedrons.  
 <<Min: 99.7 - 100.7 1% arsenopyrite>> fgr to mgr blebs and hedrons.  
 <<Min: 107.85 - 109 5% pyrite>> fgr to cgr blebs and hedrons, as well as large aggregates near QZ vein.  
 <<Min: 108.2 - 108.4 1% arsenopyrite>> fgr to mgr blebs and hedrons.  
 <<Min: 113.7 - 114.4 1% pyrite>> fgr to mgr blebs and hedrons.  
 <<Min: 116.35 - 117.27 3% pyrite>>  
 <<Min: 117.5 - 118.4 5% pyrite>> fgr to cgr blebs and hedrons.  
 <<Min: 118.4 - 120.65 7% pyrite>> fgr to cgr blebs and hedrons.  
 <<Min: 120.65 - 121.62 25% pyrite>> Massive aggregates in sheared QZ vein.  
 <<Min: 121.62 - 122.66 6% pyrite>> fgr to cgr blebs and hedrons.  
 <<Min: 126.66 - 128.7 0.1% pyrite>>  
 <<Min: 128.7 - 129.95 9% pyrite>> cgr blebs and hedrons and aggregates several cm in size.  
 <<Alt: 87.25 - 90.6 weak Ankerite>>  
 <<Alt: 90.6 - 101.4 moderate Ankerite>>  
 <<Alt: 101.4 - 107.5 moderate Calcite>>  
 <<Alt: 101.4 - 107.5 weak Ankerite>>  
 <<Alt: 107.5 - 123.24 moderate Ankerite>>  
 <<Alt: 114.18 - 114.32 strong Silicification >> Related to small shear.  
 <<Alt: 123.24 - 127.91 moderate Calcite>>  
 <<Alt: 123.24 - 127.91 weak Ankerite>>  
 <<Alt: 127.91 - 135.38 moderate Ankerite>>  
 <<Vein: 94.11 - 94.18 Quartz 56 deg. >> Extensional milky QZ vein.  
 <<Vein: 94.98 - 95.01 Quartz 70 deg. >> Extensional milky QZ vein.  
 <<Vein: 99.84 - 100.08 Quartz 40 deg. >> Sheared milky QZ vein. Clumps of QZ up to several cm in size also floating in nearby wall rock  
 <<Vein: 108.3 - 108.35 Quartz 60 deg. >> Extensional milky QZ vein with aggregates of PY along margins several cm in size.  
 <<Vein: 118.46 - 118.73 Ankerite 30 deg. >> Sheared AK vein with PY aggregates along margins.  
 <<Vein: 120.65 - 121.62 Quartz 30 deg. >> Sheared milky QZ vein with about 25% PY.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
87.25	89.25	2.00	G278291	-0.005	12	79	96	-2
89.25	90.60	1.35	G278292	-0.005	6	77	94	-2
90.60	92.50	1.90	G278293	-0.005	35	75	95	-2
92.50	94.50	2.00	G278294	-0.005	73	59	83	-2
94.50	95.50	1.00	G278295	-0.005	137	66	71	-2
95.50	98.50	3.00	G278296	0.02	169	68	85	-2
98.50	99.50	1.00	G278297	0.043	211	59	77	-2
99.50	101.25	1.75	G278298	1.785	2750	49	48	-2
101.25	103.00	1.75	G278299	-0.005	71	59	91	-2
103.00	104.50	1.50	G278301	0.006	86	78	102	-2
104.50	106.38	1.88	G278302	-0.005	32	59	94	-2
106.38	107.85	1.47	G278303	-0.005	65	64	87	-2
107.85	109.00	1.15	G278304	2.44	5760	31	50	-2
109.00	111.00	2.00	G278305	0.005	86	57	96	-2
111.00	112.47	1.47	G278306	-0.005	61	61	103	-2
112.47	113.70	1.23	G278307	-0.005	63	63	103	-2
113.70	114.40	0.70	G278308	-0.005	46	90	110	6
114.40	115.52	1.12	G278309	-0.005	52	56	112	2
115.52	116.65	1.13	G278311	0.045	216	72	79	-2
116.65	117.70	1.05	G278312	0.167	351	55	87	2
117.70	118.93	1.23	G278313	1.53	1500	11	38	2
118.93	120.65	1.72	G278314	1.725	1320	11	36	3
120.65	121.62	0.97	G278315	7.14	4050	21	12	17
121.62	122.66	1.04	G278316	0.997	689	64	79	2
122.66	124.66	2.00	G278317	0.035	48	70	106	2
124.66	125.90	1.24	G278318	-0.005	7	66	105	2
125.90	127.42	1.52	G278319	-0.005	4	62	103	2
127.42	128.70	1.28	G278321	-0.005	23	78	88	-2
128.70	129.95	1.25	G278322	1.73	1295	29	34	4

# Drill Log

Project:

Cassiar

Hole Number:

TA12-25

From (m) To (m) Rocktype & Description

<<Vein: 123.46 - 123.56 Quartz-Ankerite 35 deg. >> Sheared QZ+AK vein.  
 <<Struc: 87.5 - 87.7 weak Sheared 50 deg. >> Small shear.  
 <<Struc: 89.84 - 90.1 weak Sheared 35 deg. >> Small shear.  
 <<Struc: 90.5 - 91.2 weak Sheared 41 deg. >> Small shear.  
 <<Struc: 93.1 - 94.4 moderate fault 45 deg. >> Angles 40-50 tca.  
 <<Struc: 105.1 - 105.4 weak Sheared 30 deg. >> Small shear.  
 <<Struc: 108.7 - 108.9 weak Sheared 20 deg. >> Small shear.  
 <<Struc: 113.7 - 114.3 weak Sheared>> Curves through core (enters and exits same side, forming U shape) at about 30 degrees.  
 <<Struc: 115.3 - 116.2 weak fault>> Fault with central gouge zone. Angle indeterminate.  
 <<Struc: 116.55 - 116.7 weak Sheared 45 deg. >> Small shear.  
 <<Struc: 119.6 - 120.3 weak Sheared 40 deg. >> Weak shear, angles 25-60  
 <<Struc: 121.62 - 123.1 weak Sheared 45 deg. >> Small shear.  
 <<Struc: 124.4 - 124.55 weak Sheared 50 deg. >> Small shear.  
 <<Struc: 128.7 - 129.95 weak Sheared 50 deg. >> Weak shear with PY aggregates.  
 <<Struc: 130.6 - 135.46 weak Sheared 45 deg. >> Weak shearing.

**135.38 164.70 T1A Pillow Basalt green FMG**  
 135.38 - 164.7: Competent, green pillow basalt. Minor patches of weak AK alteration where QZ vein cuts core at shallow angle.

<<Alt: 160.75 - 162.5 weak Ankerite>>  
 <<Vein: 161.4 - 161.8 Quartz 25 deg. >> Shallow milky QZ vein, broken up and overprinted by calcite vein.

**164.70 166.27 T2 Basalt - Altered beige FG**  
 164.7 - 166.27: Competent, beige, altered basalt. Small interval in pillow basalt, caused by a number of small AK veins in weakly sheared area, which is overprinted by calcite veining.

<<Alt: 164.7 - 166.27 moderate Actinolite>>  
 <<Vein: 166.14 - 166.24 Ankerite 20 deg. >> Representative AK vein from small altered basalt interval.  
 <<Struc: 164.7 - 166.27 weak Sheared 25 deg. >> Weakly sheared area.

**166.27 175.15 T1A Pillow Basalt green-brown FMG**  
 166.27 - 175.15: Competent, green pillow basalt with minor calcite veining and some fracturing approaching lower contact.

<<Struc: 167.2 - 167.39 weak Sheared 30 deg. >> Weak shear.  
 <<Struc: 167.8 - 169 moderate fault 35 deg. >> Fault with gouge. Possibly Taurus Thrust with brittle overprint. Units on both sides sheared and broken.  
 <<Struc: 169.85 - 170.2 weak Sheared 36 deg. >> Weak shear.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
129.95	131.24	1.29	G278323	-0.005	68	66	90	-2
131.24	133.00	1.76	G278324	-0.005	13	71	84	2
133.00	134.50	1.50	G278326	-0.005	10	68	95	2
134.50	135.38	0.88	G278327	-0.005	10	73	104	-2

164.70	166.27	1.57	G278328	-0.005	23	67	99	2
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# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-25**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>175.15</b>	<b>200.86</b>	<b>T1F Magnetic/Jasper Pillow Basalt black</b>									
<p><b>FG</b></p> <p>175.15 - 200.86: Competent, black, pillow basalt with patches of oolitic jasper between the pillows. Strongly magnetic. Moderate fault with gouge is near the upper contact, and may represent the Taurus Thrust with a brittle overprint. Upper several meters of unit variably broken with fractures generally healed by calcite veins. Two small intervals are weakly AK altered due to small AK veins, but unit is completely unmineralized.</p>											
<p><b>End of Hole @ 200.86</b></p>											

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-26

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	23/07/2012
UTM Easting:	460269.14	Core Size:	NQ	Azimuth:	200	Date Completed:	24/07/2012
UTM Northing:	6570278.9	Casing Pulled?:	<input type="checkbox"/>	Dip:	-50	Drill Company:	Apex
UTM Elev. (m):	1069.435	Casing Depth (m):	18.29	Length (m):	161.24	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	22/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	24/07/2012
Local Elev. (m):							

**Comments:**

Proposed name propTRS-AQ2. Drilled as an alternative to the abandoned hole TA12-23, designed to test continuity of Sable vein structures intersected in TA12-16 to -20. Altered basalt, where encountered, was generally weakly AK and clay altered with little mineralization. PY mineralization was encountered near a QZ vein at 13 m, and along the margins of two small sheared QZ veins at 57 and 61 m, which contained minor SP and AS, respectively. This hole does, however, contain an excellent example of the Taurus Thrust and two minor bounding shear zones at approximately 144 m.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-50	176.63	23.37	200	Brunton				<input checked="" type="checkbox"/>	False value for Micromine plotting.
24.38	-49.4	178.2	23.37	201.57	ReflexEZS		23/07/2012	5775	<input checked="" type="checkbox"/>	
63.7	-50.1	178.6	23.37	201.97	ReflexEZS		23/07/2012	5734	<input checked="" type="checkbox"/>	
106.68	-50.9	179.8	23.37	203.17	ReflexEZS		23/07/2012	5706	<input checked="" type="checkbox"/>	
155.14	-51.8	182.2	23.37	205.57	ReflexEZS		23/07/2012	5641	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME- ICP41	Zn ppm ME- ICP41	Pb ppm ME-
<b>0.00</b>	<b>13.00</b>	<b>OVB Overburden</b>									
<b>13.00</b>	<b>13.65</b>	<b>T5 Quartz Vein</b>	<b>white</b>	<b>FCG</b>	0.65	G278334	0.12	20	2	2	-2
13 - 13.65: Competent, milky QZ vein. Contacts are broken and undistinguishable, and vein is entirely composed of milky QZ.											
<<Vein: 13 - 13.65 Quartz>> Milky QZ vein. Appears to be massive and extensional, but contact zones are completely broken so it is hard to say for certain.											
<b>13.65</b>	<b>17.25</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FG</b>	0.85	G278329	2.03	1030	24	42	-2
13.65 - 17.25: Competent, light grey, altered basalt. PY mineralization near upper contact with QZ vein, with small sheared QZ vein towards lower contact.											
<<Min: 13.65 - 14.35 4% pyrite>> fgr to cgr blebs and bands.											
<<Min: 14.35 - 16.35 0.5% pyrite>> Small, isolated blebs.											
					1.75	G278331	0.448	201	41	86	-2
					1.00	G278332	1.735	1410	81	56	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-26

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Min: 16.5 - 17.1 5% pyrite>> fgr to cgr blebs and hedrons on margin of sheared QZ vein. <<Alt: 13.65 - 17.25 moderate Ankerite>> <<Vein: 16.35 - 16.5 Quartz 35 deg. >> Sheared milky QZ vein with PY bands. <<Struc: 16.7 - 17.1 weak Sheared 45 deg. >> Weak shear.											
<b>17.25</b>	<b>30.30</b>	<b>T1A Pillow Basalt</b>									
<b>grey-green FMG</b> 17.25 - 30.3: Competent, dark green, pillow basalt. Moderately calcite altered, with one small zone of weak AK alteration in area of AK-calcite veining. Towards bottom of unit two extensional veins appear in an area of weak faulting, but no mineralization is present.											
			21.95	23.25	1.30	G278333	0.006	91	47	67	-2
<<Min: 22.23 - 22.6 2% pyrite>> cgr blebs associated with weak shear. <<Alt: 17.25 - 21.95 moderate Calcite>> <<Alt: 21.95 - 22.75 weak Ankerite>> Weak AK alteration in area of AK-calcite veins. <<Alt: 22.75 - 30.3 moderate Calcite>> <<Vein: 22.5 - 23 Ankerite 8 deg. >> AK vein which has been overprinted by calcite vein. <<Vein: 29.32 - 29.42 Quartz 33 deg. >> Extensional QZ-calcite vein. <<Vein: 30.05 - 30.18 Quartz 28 deg. >> Extensional milky QZ vein. <<Struc: 22.23 - 22.6 weak Sheared 50 deg. >> Weak shear. <<Struc: 29.42 - 29.83 weak fault 24 deg. >> Weak fault in broken up zone healed by calcite.											
			29.30	30.30	1.00	G278335	-0.005	42	16	92	-2
<b>30.30</b>	<b>33.70</b>	<b>T2 Basalt - Altered</b>									
<b>light grey FG</b> 30.3 - 33.7: Competent, light grey, altered basalt. Weak AK alteration and moderate calcite alteration. Unmineralized.											
			30.30	32.25	1.95	G278336	-0.005	86	43	110	-2
<<Alt: 30.3 - 33.7 moderate Calcite>> <<Alt: 30.3 - 33.7 weak Ankerite>> <<Vein: 32.17 - 32.3 Quartz 20 deg. >> Extensional QZ-calcite vein.											
			32.25	33.70	1.45	G278337	0.008	51	57	107	-2
<b>33.70</b>	<b>40.06</b>	<b>T1 Basalt</b>									
<b>green FMG</b> 33.7 - 40.06: Competent, green, pillow basalt. One small area of weak AK alteration, with calcite veining throughout unit and one QZ-calcite vein.											
<<Alt: 38.7 - 39.32 weak Ankerite>> <<Vein: 38.75 - 38.9 Quartz 18 deg. >> Extensional QZ-calcite vein. <<Struc: 33.7 - 35 moderate fault 40 deg. >> Moderate fault. Angles 30-50 tca.											
			40.06	42.05	1.45	G278338	-0.005	18	67	109	-2
<b>40.06</b>	<b>42.05</b>	<b>T2 Basalt - Altered</b>									
<b>beige FG</b> 40.06 - 42.05: Strongly clay-altered altered basalt. Unmineralized, but with numerous calcite veins shallow to core axis which are offset/broken.											
<<Alt: 40.06 - 42.05 strong Clay>>											

# Drill Log

Project:

Cassiar

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From (m)	To (m)	Rocktype & Description	Color	Grade	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME- ICP41	Zn ppm ME- ICP41	Pb ppm ME- ICP41
42.05	43.53	T1A Pillow Basalt	green	FG									
42.05 - 43.53: Competent, green, pillow basalt.													
43.53	44.70	T2 Basalt - Altered	light grey	FG	43.53	44.70	1.17	G278339	-0.005	11	86	78	-2
43.53 - 44.7: Moderately clay-altered altered basalt. Weak AK alteration, with broken/offset calcite veins.													
<<Alt: 43.53 - 44.7 moderate Clay>>													
<<Alt: 43.53 - 44.7 weak Ankerite>>													
44.70	50.55	T1 Basalt	green	FMG									
44.7 - 50.55: Competent, green basalt. Appears massive and equigranular, but could be pillowed basalt with large pillows.													
50.55	57.50	T2 Basalt - Altered	light grey	FMG	50.55	51.85	1.30	G278341	0.113	345	65	46	-2
50.55 - 57.5: Competent, light grey, altered basalt. Top of unit is broken up and faulted. Remained of unit contains numerous small AK veins which are shallow to core axis and offset. One larger AK vein is associated with limited PY mineralization, and one QZ-calcite vein (calcite overprint?) with sheared margins contains PY and SP.													
<<Min: 54.7 - 54.76 5% pyrite>> fgr to mgr blebs and hedrons.													
<<Min: 56.8 - 57 1% sphalerite>> Isolated blebs in vein.													
<<Min: 56.8 - 57 0.5% pyrite>> Small, vfgr aggregates parallel to banding.													
<<Alt: 50.55 - 57.5 moderate Ankerite>>													
<<Vein: 54.62 - 54.72 Ankerite 22 deg. >>													
<<Vein: 56.8 - 57 Quartz 32 deg. >> Sheared milky QZ-calcite vein. Calcite overprint? Contains PY and SP.													
<<Struc: 51.15 - 53 moderate fault>>													
<<Struc: 54.28 - 54.76 weak Sheared 40 deg. >> Weak shear.													
57.50	68.77	T1A Pillow Basalt	green	FG	60.40	60.90	0.50	G278346	0.106	1025	77	85	3
57.5 - 68.77: Competent, green pillow basalt. Contains one small interval of weak AK alteration along margins of AK vein with trace finely disseminated AS.													
<<Min: 60.58 - 60.7 0.05% arsenopyrite>>													
<<Alt: 60.5 - 60.8 weak Ankerite>>													
<<Vein: 60.58 - 60.7 Ankerite 26 deg. >> Single AK vein with trace AS along margins.													
68.77	78.94	T1 Basalt	green	FMG									
68.77 - 78.94: Competent, green basalt. Unit contains calcite veins and one small AK vein.													
<<Vein: 75.65 - 75.75 Ankerite 25 deg. >> Single small AK vein.													

# Drill Log

Project:

Cassiar

Hole Number:

TA12-26

From (m) To (m) Rocktype & Description

**78.94 91.14 T2 Basalt - Altered light grey FMG**

78.94 - 91.14: Competent, light grey to beige, altered basalt. Biege in center where alteration is stronger, fading to light grey away from central area. Unit and alteration centered on two milky QZ veins with strong crackle breccia texture where alteration is stronger.

<<Min: 84.95 - 85.4 2% pyrite>> fgr to mgr blebs and hedrons.

<<Min: 87.3 - 87.6 1% pyrite>> fgr to mgr blebs and hedrons.

<<Min: 87.38 - 87.48 1% arsenopyrite>>

<<Alt: 78.94 - 88.09 moderate Ankerite>>

<<Alt: 88.09 - 91.14 weak Ankerite>>

<<Vein: 82.01 - 82.11 Ankerite 42 deg. >> Single AK vein. Angles 30-45 tca.

<<Vein: 85.4 - 85.65 Quartz 25 deg. >> Milky QZ vein. Contacts are broken.

<<Vein: 87.38 - 87.48 Quartz 20 deg. >> Sheared milky QZ vein with small AS halos.

**91.14 95.39 T1A Pillow Basalt green FG**

91.14 - 95.39: Competent, green pillow basalt.

**95.39 97.55 T2 Basalt - Altered beige FG**

95.39 - 97.55: Competent, beige, altered basalt. Weak, patchy AK and clay alteration.

<<Alt: 95.39 - 97.55 weak Clay>>

<<Alt: 95.39 - 97.55 weak Ankerite>>

**97.55 119.71 T1A Pillow Basalt green FMG**

97.55 - 119.71: Competent, green pillow basalt. Small interval which is moderately AK altered due to AK vein.

<<Alt: 99.6 - 100.1 moderate Ankerite>>

<<Vein: 99.75 - 99.79 Ankerite 62 deg. >>

**119.71 122.20 T2 Basalt - Altered beige FG**

119.71 - 122.2: Competent, beige, altered basalt. Weak, patchy AK and clay alteration, with calcite veining at shallow angle. Rare PY.

<<Min: 119.71 - 122.2 0.1% pyrite>>

<<Alt: 119.71 - 122.2 weak Clay>>

<<Alt: 119.71 - 122.2 weak Ankerite>>

**122.20 132.30 T1A Pillow Basalt green FG**

122.2 - 132.3: Competent, green pillow basalt. One small interval of weak AK and clay alteration.

<<Min: 126.8 - 127.57 0.4% pyrite>> Small, isolated blebs.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
78.94	80.53	1.59	G278347	-0.005	31	71	87	-2
80.53	82.30	1.77	G278348	-0.005	70	76	98	-2
82.30	83.90	1.60	G278349	0.287	1140	70	91	-2
83.90	84.95	1.05	G278351	0.018	151	52	104	5
84.95	85.77	0.82	G278352	0.79	282	43	47	-2
85.77	87.10	1.33	G278353	0.016	126	88	91	-2
87.10	87.60	0.50	G278354	0.184	2150	39	60	-2
87.60	89.60	2.00	G278355	-0.005	83	56	91	-2
89.60	91.14	1.54	G278356	-0.005	49	61	98	-2
95.38	97.38	2.00	G278357	-0.005	3	99	110	-2
99.60	100.10	0.50	G278358	-0.005	121	74	102	-2
119.71	121.20	1.49	G278359	-0.005	6	89	157	-2
121.20	122.20	1.00	G278361	-0.005	-2	94	156	-2
126.80	127.57	0.77	G278362	-0.005	7	61	144	-2



# Drill Log

Project:

Cassiar

Hole Number:

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From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Alt: 126.8 - 127.57 weak Clay>> <<Alt: 126.8 - 127.57 weak Ankerite>>											
<b>132.30</b>	<b>134.70</b>	<b>T2 Basalt - Altered</b>	<b>beige</b>	<b>FG</b>							
132.3 - 134.7: Competent, beige, altered basalt. Weak AK and clay alteration, with some PY mineralization centered on sheared QZ vein.											
		<<Min: 132.3 - 132.7 5% pyrite>> fgr to cgr blebs and hedrons. <<Alt: 132.3 - 134.7 weak Clay>> <<Alt: 132.3 - 134.7 weak Ankerite>> <<Vein: 132.3 - 132.4 Quartz 60 deg. >> Sheared milky QZ vein with PY halo.									
<b>132.30</b>	<b>132.80</b>				0.50	G278363	0.844	1685	61	79	-2
		<<Min: 134.7 - 135.4 1% pyrite>> Small, isolated blebs. <<Alt: 135.4 - 135.6 moderate Ankerite>> AK flooding in inter-pillow area.									
<b>134.70</b>	<b>137.05</b>	<b>T1A Pillow Basalt</b>	<b>green</b>	<b>FG</b>							
134.7 - 137.05: Competent, green pillow basalt. Contains isolated blebs of PY and one inter-pillow area flooded by AK and QZ.											
		<<Min: 134.7 - 135.4 1% pyrite>> Small, isolated blebs. <<Alt: 135.4 - 135.6 moderate Ankerite>> AK flooding in inter-pillow area.									
<b>134.70</b>	<b>137.05</b>				1.90	G278364	-0.005	17	71	110	-2
		<<Min: 137.05 - 138.05 weak Ankerite>> <<Struc: 137.05 - 138.05 weak Sheared 26 deg. >> Weak shear.									
<b>137.05</b>	<b>138.05</b>	<b>T2 Basalt - Altered</b>	<b>beige</b>	<b>FCG</b>							
137.05 - 138.05: Competent, beige, altered basalt. Weakly AK altered and weakly sheared, with QZ veins stretched parallel to foliation.											
		<<Alt: 137.05 - 138.05 weak Ankerite>> <<Struc: 137.05 - 138.05 weak Sheared 26 deg. >> Weak shear.									
<b>137.05</b>	<b>138.05</b>				1.00	G278365	0.017	73	62	92	-2
		<<Min: 140.85 - 141.83 0.5% pyrite>> Small bands of vfgr PY parallel to foliation. <<Alt: 140.85 - 141.83 weak Ankerite>> <<Struc: 140.6 - 141.83 moderate Sheared 40 deg. >> Moderate shear.									
<b>138.05</b>	<b>140.85</b>	<b>T1A Pillow Basalt</b>	<b>green</b>	<b>FG</b>							
138.05 - 140.85: Competent, green pillow basalt. Moderate shear begins near lower contact.											
		<<Min: 140.85 - 141.83 0.5% pyrite>> Small bands of vfgr PY parallel to foliation. <<Alt: 140.85 - 141.83 weak Ankerite>> <<Struc: 141.63 - 141.98 strong Sheared 27 deg. >> Strong shear, angles 25-30 tca.									
<b>140.85</b>	<b>141.83</b>	<b>T2 Basalt - Altered</b>	<b>grey-green</b>	<b>FMG</b>							
140.85 - 141.83: Competent, grey-green, altered basalt. Unit is weakly sheared with thin aggregates of vfgr PY parallel to foliation.											
		<<Min: 140.85 - 141.83 0.5% pyrite>> Small bands of vfgr PY parallel to foliation. <<Alt: 140.85 - 141.83 weak Ankerite>> <<Struc: 141.63 - 141.98 strong Sheared 27 deg. >> Strong shear, angles 25-30 tca.									
<b>140.85</b>	<b>141.83</b>				1.13	G278366	0.213	174	55	95	-2
		<<Min: 141.83 - 141.98 0.5% pyrite>> Small bands of vfgr PY parallel to foliation. <<Alt: 141.83 - 141.98 weak Ankerite>> <<Struc: 141.63 - 141.98 strong Sheared 27 deg. >> Strong shear, angles 25-30 tca.									
<b>141.83</b>	<b>141.98</b>	<b>SHZN Shear Zone</b>	<b>light grey</b>	<b>FG</b>							
141.83 - 141.98: Competent, light grey shear zone. Dominantly altered basalt with a few small QZ veins stretched parallel to the foliation.											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-26

From (m) To (m) Rocktype & Description

**141.98 143.40 T2 Basalt - Altered grey-green FMG**

141.98 - 143.4: Competent, grey-green, altered basalt with numerous fragments of broken up QZ-AK veins.

**143.40 144.10 FLT Fault, Fault Zone black FCG**

143.4 - 144.1: Competent, black fault zone. Consists of a dark, fgr matrix with rounded clasts of QZ. Unit is center of Taurus Thrust.

**144.10 144.61 SHZN Shear Zone light grey FG**

144.1 - 144.61: Competent, light grey shear zone. Primarily altered basalt, with boudined AK-QZ veins parallel to the foliation.

<<Struc: 144.1 - 144.61 strong Sheared 60 deg. >> Strong shear.

<<Struc: 144.1 - 144.61 intense fault 46 deg. >> Center of Taurus Thrust.

**144.61 152.10 T2 Basalt - Altered beige FMG**

144.61 - 152.1: Competent, beige, altered basalt. Weak and patchy AK an clay alteration. Centered on unmineralized QZ vein, and containing a few broken nodules of QZ-jasper-PY which are silica-flooded inter-pillow areas. Top of unit contains several broken up AK veins, and the entire unit displays crackle breccia texture.

<<Alt: 144.61 - 152.1 weak Clay>>

<<Alt: 144.61 - 152.1 weak Ankerite>>

<<Vein: 146.25 - 146.5 Quartz 50 deg. >> Milky QZ vein.

<<Vein: 150.24 - 150.47 Calcite 35 deg. >> Large calcite vein.

**152.10 154.45 T1A Pillow Basalt green FG**

152.1 - 154.45: Broken, green pillow basalt. Fracturing likely due to proximity to Taurus Thrust, with many fractures healed by calcite and displaying polished slip surfaces.

**154.45 157.55 T2 Basalt - Altered light grey FG**

154.45 - 157.55: Competent, light grey, altered basalt. Weak AK alteration, centered on two fractured and QZ veins, one of which contains very minor PY along its margin.

<<Min: 156.08 - 156.11 5% pyrite>> Single aggregate of PY along vein margin.

<<Alt: 154.45 - 157.55 weak Ankerite>>

<<Vein: 156.09 - 156.25 Quartz>> Sheared milky QZ vein. Contacts broken.

<<Vein: 156.57 - 156.7 Quartz>> Milky QZ vein. Contacts broken.

**157.55 161.24 T1F Magnetic/Jasper Pillow Basalt black FG**

157.55 - 161.24: Competent, black, pillow basalt. Strong, patchy magnetism.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
141.98	144.16	2.18	G278367	-0.005	20	56	97	-2

144.16	146.00	1.84	G278368	-0.005	34	53	130	-2
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146.00	146.70	0.70	G278369	-0.005	5	24	121	-2
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146.70	148.70	2.00	G278371	-0.005	8	118	132	-2
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148.70	150.25	1.55	G278372	-0.005	4	83	165	-2
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150.25	152.10	1.85	G278373	-0.005	-2	61	168	-2
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154.45	156.00	1.55	G278374	-0.005	22	77	164	-2
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156.00	156.70	0.70	G278376	0.029	58	86	140	-2
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156.70	157.55	0.85	G278377	-0.005	-2	134	177	-2
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## Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-26**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>End of Hole @ 161.24</b>											

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-27

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	25/07/2012
UTM Easting:	460233.51	Core Size:	NQ	Azimuth:	200	Date Completed:	26/07/2012
UTM Northing:	6570193.64	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1083.229	Casing Depth (m):	6.1	Length (m):	200.86	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	24/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	25/07/2012
Local Elev. (m):							

**Comments:**

Proposed name propTRS-AU. Drilled to test eastern and southern extent of Sable Zone based on shear vein structures identified in TA12-21, -22, and -26. Mineralization related to QZ veining encountered at 6-8m (5-7% PY, AS, VG at 7m), 12m (4% PY), 21-24m (4-10% PY, AS 2% over 1m), 47-50m (4-15% PY, AS 1% over 0.5m), 62-65m (5-10% PY), and 128-129m (2% PY, SP, TT, VG at 128.5m). Strongly faulted interval in altered basalt at 190 m, with strongly sheared areas on both margins, likely represents Taurus Thrust.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-45	176.63	23.37	200	Brunton				<input checked="" type="checkbox"/>	For Micromine plotting.
14.94	-45.2	164.2	23.37	187.57	ReflexEZS		24/07/2012	5824	<input checked="" type="checkbox"/>	
63.7	-46.1	165	23.37	188.37	ReflexEZS		24/07/2012	5720	<input checked="" type="checkbox"/>	
161.24	-47.5	170.2	23.37	193.57	ReflexEZS		25/07/2012	5699	<input checked="" type="checkbox"/>	
200.86	-48	171.3	23.37	194.67	ReflexEZS		25/07/2012	5647	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ICP41	Pb ppm ME-
<b>0.00</b>	<b>6.10</b>	<b>OVB Overburden</b>									
<b>6.10</b>	<b>6.60</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FG</b>	0.50	G278378	6.98	6810	82	51	3
6.1 - 6.6: Competent, light grey, altered basalt. Moderate AK alteration. Contains one extensional QZ vein with PY and AS mineralization.											
<<Min: 6.1 - 6.6 5% pyrite>> fgr to mgr blebs and hedrons.											
<<Min: 6.1 - 6.6 0.5% arsenopyrite>> fgr to mgr blebs and hedrons.											
<<Alt: 6.1 - 6.6 moderate Ankerite>>											
<<Vein: 6.25 - 6.35 Quartz 38 deg.>> Extensional milky QZ vein.											
<b>6.60</b>	<b>7.10</b>	<b>T5 Quartz Vein</b>	<b>white</b>	<b>FCG</b>	1.15	G278379	2.23	1100	16	61	3
6.6 - 7.1: Competent, sheared, milky QZ vein with broken contacts. Contains PY and one bleb of VG.											
<<Min: 6.6 - 7.1 1% pyrite>> fgr to cgr blebs and hedrons.											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-27

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-				
<<Min: 7.08 - 7.09 0.1% gold>>		Single bleb of gold.													
<<Vein: 6.6 - 7.1 Quartz>>		Sheared milky QZ vein with broken contacts. Contains VG.													
<b>7.10</b>	<b>12.95</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>			<b>FG</b>	7.75	8.84	1.09	G278381	0.006	58	61	115	-2
7.1 - 12.95: Competent, light grey, altered basalt. Moderate AK alteration. Contains disseminated PY and is centered on a weak shear.															
<<Min: 7.1 - 7.75 7% pyrite>>		fgr to cgr blebs and hedrons.	8.84	9.60	0.76	G278382	0.013	60	59	90	-2				
<<Min: 7.75 - 10.4 1% pyrite>>		fgr to cgr blebs and hedrons.	9.60	10.40	0.80	G278383	0.055	186	38	61	-2				
<<Min: 11.89 - 12.95 4% pyrite>>		fgr to mgr blebs and hedrons.	10.40	11.89	1.49	G278384	-0.005	24	60	99	-2				
<<Alt: 7.1 - 12.95 moderate Ankerite>>			11.89	12.95	1.06	G278385	0.678	1905	18	55	-2				
<<Vein: 10.13 - 10.3 Quartz 45 deg. >>		Sheared milky QZ vein.													
<<Vein: 12.1 - 12.2 Quartz 40 deg. >>		Lightly-colored, milky QZ vein with AK crystals and disseminated PY. Cut by extensional vein.													
<<Vein: 12.2 - 12.32 Quartz 40 deg. >>		Extensional milky QZ vein which cuts sheared QZ vein/silica-flooded area.													
<<Struc: 7.75 - 9.6 weak Sheared 45 deg. >>		Weak shear.													
<b>12.95</b>	<b>19.50</b>	<b>T1A Pillow Basalt</b>	<b>grey-green</b>			<b>FMG</b>									
12.95 - 19.5: Competent, grey-green, pillow basalt. Moderate calcite alteration.															
<<Alt: 12.95 - 19.5 moderate Calcite>>															
<b>19.50</b>	<b>30.00</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>			<b>FMG</b>	19.50	20.60	1.10	G278386	-0.005	50	51	83	-2
19.5 - 30: Competent, light grey, altered basalt. Weak to moderate AK alteration, with several QZ veins and good PY mineralization.															
<<Min: 20.6 - 21.33 4% pyrite>>		fgr to mgr blebs and hedrons.	20.60	21.90	1.30	G278387	0.779	391	47	49	-2				
<<Min: 21.33 - 22.1 1% pyrite>>		fgr to mgr blebs and hedrons.	21.90	22.60	0.70	G278388	3.86	427	52	74	-2				
<<Min: 22.1 - 23.15 5% pyrite>>		fgr to mgr blebs and hedrons.	22.60	24.20	1.60	G278389	4.53	3530	37	56	-2				
<<Min: 23.15 - 24.2 10% pyrite>>		fgr to cgr blebs and hedrons.	24.20	26.00	1.80	G278391	0.012	58	45	119	-2				
<<Min: 23.15 - 24.2 2% arsenopyrite>>		fgr to mgr blebs and hedrons near margins of QZ veins.	26.00	28.00	2.00	G278392	-0.005	17	34	124	-2				
<<Min: 29.4 - 30 3% pyrite>>		fgr to mgr blebs and hedrons.	28.00	29.40	1.40	G278393	-0.005	7	29	118	-2				
<<Alt: 19.5 - 24.2 moderate Ankerite>>			29.40	30.00	0.60	G278394	1.155	536	45	77	-2				
<<Alt: 24.2 - 29.4 weak Ankerite>>															
<<Alt: 29.4 - 30 moderate Ankerite>>															
<<Vein: 21.28 - 21.33 Quartz>>		Brecciated milky QZ vein.													
<<Vein: 23.2 - 23.28 Quartz 50 deg. >>		Extensional milky QZ vein with AS along margins.													
<<Vein: 23.5 - 23.6 Quartz>>		Shattered milky QZ vein. Contacts broken.													
<<Vein: 29.83 - 29.89 Quartz 35 deg. >>		Sheared milky QZ vein.													

# Drill Log

Project:

Cassiar

Hole Number:

TA12-27

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Struc: 21.28 - 21.33 weak fault>>		Brecciated QZ vein.									
<<Struc: 25.1 - 25.4 weak fault 30 deg. >>											
<<Struc: 29.9 - 30.6 moderate fault 43 deg. >>											
<b>30.00</b>	<b>46.00</b>	<b>T1A Pillow Basalt</b>	<b>grey-green</b>			<b>FMG</b>					
30 - 46:	Competent, grey-green, pillow basalt. Variable broken towards center in zone of weak shearing and faulting. Contains one small, weakly AK-altered patch.										
<<Min: 45.8 - 46.3 2% pyrite>>	Finely disseminated in faulted and AK-altered area.										
<<Alt: 30 - 46 moderate Calcite>>											
<<Alt: 44.6 - 45.16 weak Ankerite>>											
<<Struc: 31.6 - 31.9 weak Sheared 45 deg. >>	Weak shear.										
<<Struc: 38 - 39.8 weak Sheared 15 deg. >>	Weak shear.										
<<Struc: 40.6 - 40.7 weak fault 20 deg. >>											
<<Struc: 45.8 - 46.3 weak fault>>	Contains about 2% finely disseminated PY.										
<b>46.00</b>	<b>46.75</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>			<b>FG</b>					
46 - 46.75:	Small interval of largely broken, light grey, altered basalt. Contains about 2% finely disseminated PY.										
<<Alt: 46 - 46.75 weak Ankerite>>											
<b>46.75</b>	<b>47.30</b>	<b>T5 Quartz Vein</b>	<b>white</b>			<b>FCG</b>					
46.75 - 47.3:	Competent, sheared QZ vein. Contains about 4% PY as disseminated blebs and 1% finely disseminated AS in wall rock fragments.										
<<Min: 46.75 - 47.3 4% pyrite>>	fgr to mgr blebs and hedrons, as well as one cm-sized band of vfgr PY.										
<<Min: 46.75 - 47.3 1% arsenopyrite>>	Finely disseminated in wall rock fragments in vein.										
<<Vein: 46.75 - 47.3 Quartz 25 deg. >>	Sheared, milky QZ vein with PY and AS.										
<b>47.30</b>	<b>48.10</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>			<b>FG</b>					
47.3 - 48.1:	Competent, light grey, altered basalt. Moderate AK alteration due to sizable sheared QZ vein. Contains about 10% PY.										
<<Min: 47.3 - 48.1 10% pyrite>>	fgr to cgr blebs and hedrons.										
<<Alt: 47.3 - 48.1 moderate Ankerite>>											
<<Vein: 47.6 - 47.9 Quartz 15 deg. >>	Sheared milky QZ vein at shallow angle to core axis.										
<b>48.10</b>	<b>48.46</b>	<b>T5 Quartz Vein</b>	<b>white</b>			<b>FCG</b>					
48.1 - 48.46:	Competent, sheared QZ vein. Contains about 5% PY, mainly as large aggregates.										
<<Min: 48.1 - 48.46 5% pyrite>>	Mainly as large aggregates in vein.										
<<Vein: 48.1 - 48.46 Quartz 45 deg. >>	Sheared milky QZ vein with PY.										

# Drill Log

Project:

Cassiar

Hole Number:

TA12-27

From (m)	To (m)	Rocktype & Description
<b>48.46</b>	<b>54.56</b>	<b>T2 Basalt - Altered light grey FMG</b>
48.46 - 54.56: Competent, light grey, altered basalt. AK alteration weak to moderate. Well mineralized with PY.		
<<Min: 48.46 - 49.4 15% pyrite>> fgr to cgr blebs and hedrons.		
<<Min: 49.4 - 51 1% pyrite>> fgr to mgr blebs and hedrons.		
<<Min: 51 - 51.4 5% pyrite>> fgr to mgr blebs and hedrons and finely disseminated.		
<<Alt: 48.46 - 49.4 moderate Ankerite>>		
<<Alt: 49.4 - 54.56 weak Ankerite>>		
<<Vein: 51.1 - 51.3 Quartz-Ankerite 30 deg. >> Extensional vein of QZ and AK.		
<b>54.56</b>	<b>57.70</b>	<b>T1A Pillow Basalt dark grey FG</b>
54.56 - 57.7: Competent, dark grey, pillow basalt.		
<b>57.70</b>	<b>63.60</b>	<b>T2 Basalt - Altered light grey FG</b>
57.7 - 63.6: Competent, light grey, altered basalt. AK alteration is weak to moderate, and unit contains a number of small AK and calcite veins with one small QZ flooded area.		
<<Min: 57.7 - 57.9 0.1% sphalerite>> Isolate blebs in sheared area.		
<<Min: 57.7 - 57.9 1% pyrite>> Aggregates of vfgr PY in moderately sheared area.		
<<Min: 62.3 - 63.6 10% pyrite>> fgr to cgr blebs and hedrons.		
<<Alt: 57.7 - 62.3 weak Ankerite>>		
<<Alt: 62.3 - 63.7 moderate Ankerite>>		
<<Vein: 63.4 - 63.5 Quartz 40 deg. >> Extensional milky QZ vein.		
<<Struc: 57.75 - 57.9 moderate Sheared 70 deg. >> Small, moderate shear near contact between unaltered and altered basalt.		
<b>63.60</b>	<b>64.30</b>	<b>T5 Quartz Vein white FCG</b>
63.6 - 64.3: Competent, milky QZ vein. Contacts broken, and vein is quite massive. Could be shear or extensional. Contains about 5% PY as large aggregates along margins.		
<<Min: 63.6 - 64.3 5% pyrite>>		
<<Vein: 63.6 - 64.3 Quartz 50 deg. >> Large milky QZ vein with PY aggregates along margins.		
<b>64.30</b>	<b>66.30</b>	<b>T2 Basalt - Altered light grey FG</b>
64.3 - 66.3: Competent, light grey, altered basalt. Contains variable PY mineralization.		
<<Min: 64.3 - 65.2 9% pyrite>> fgr to cgr blebs and hedrons.		
<<Min: 65.2 - 66.3 1% pyrite>> fgr to mgr blebs and hedrons.		
<<Alt: 64.3 - 66.3 moderate Ankerite>>		

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
48.46	49.40	0.94	G278399	4.82	1880	20	45	6
49.40	51.00	1.60	G278401	0.01	102	51	122	-2
51.00	51.51	0.51	G278402	1.845	325	62	84	-2
51.51	52.94	1.43	G278403	-0.005	58	55	107	-2
52.94	54.56	1.62	G278404	-0.005	39	68	91	-2
57.70	59.70	2.00	G278405	0.242	153	70	317	3
59.70	61.10	1.40	G278406	-0.005	34	53	118	-2
61.10	62.30	1.20	G278407	-0.005	38	33	115	-2
62.30	63.60	1.30	G278408	3.57	1195	45	83	-2
63.60	64.30	0.70	G278409	5.47	633	36	6	-2
64.30	66.30	2.00	G278411	3.18	1060	34	90	2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-27

From (m) To (m) Rocktype & Description

**66.30 66.90 CV Carbonate Vein**

**white FCG**

66.3 - 66.9: Competent calcite vein which is sheared.

<<Vein: 66.3 - 66.9 Calcite 10 deg. >> Sheared calcite vein.

**66.90 68.00 T2 Basalt - Altered**

**light grey FG**

66.9 - 68: Competent, light grey, altered basalt. Unmineralized.

<<Alt: 66.9 - 68 moderate Ankerite>>

**68.00 68.90 T5 Quartz Vein**

**white FCG**

68 - 68.9: Competent, sheared QZ-calcite vein. Unmineralized.

<<Vein: 68 - 68.9 Quartz 10 deg. >> Sheared QZ-calcite vein.

**68.90 102.60 T2 Basalt - Altered**

**light grey FG**

68.9 - 102.6: Competent, light grey, altered basalt. Moderate AK alteration, with numerous extensional QZ veins but little overall mineralization.

<<Min: 68.93 - 69 3% tourmaline>> Elongate masses and crystals hosted in extensional QZ vein.

<<Min: 73.45 - 73.52 1% pyrite>>

<<Min: 77.1 - 77.3 0.4% pyrite>>

<<Min: 78.72 - 78.79 1% arsenopyrite>> Finely disseminated in QZ vein.

<<Min: 78.79 - 83.9 0.5% pyrite>> Small, isolated blebs.

<<Min: 83 - 85.9 1% pyrite>> fgr to cgr isolated blebs.

<<Alt: 68.9 - 100.7 moderate Ankerite>>

<<Alt: 100.7 - 102.6 moderate Clay>>

<<Alt: 100.7 - 102.6 weak Ankerite>>

<<Vein: 68.93 - 69 Quartz 45 deg. >> Extensional QZ vein with a lot of tourmaline.

<<Vein: 70.13 - 70.2 Quartz 35 deg. >> Extensional milky QZ vein.

<<Vein: 71.35 - 71.42 Quartz 35 deg. >> Extensional milky QZ vein.

<<Vein: 71.71 - 71.79 Quartz 38 deg. >> Extensional milky QZ vein.

<<Vein: 72.92 - 72.99 Quartz 45 deg. >> Extensional milky QZ vein with patches of green sericite.

<<Vein: 73.45 - 73.52 Quartz 45 deg. >> Extensional milky QZ vein with finely disseminated PY.

<<Vein: 73.7 - 73.9 Quartz 10 deg. >> Sheared milky QZ vein.

<<Vein: 73.93 - 74 Quartz 35 deg. >> Extensional milky QZ vein.

<<Vein: 77.1 - 77.3 Quartz 15 deg. >> Extensional milky QZ vein with minor finely disseminated PY.

<<Vein: 78.72 - 78.79 Quartz 37 deg. >> Extensional milky QZ vein with finely disseminated AS.

<<Vein: 84.33 - 84.42 Quartz 36 deg. >> Extensional milky QZ vein.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
66.30	67.00	0.70	G278412	0.134	96	20	67	-2
67.00	68.10	1.10	G278413	0.05	111	34	113	2
68.10	68.93	0.83	G278414	0.222	99	31	55	-2
68.93	70.50	1.57	G278415	0.02	98	53	101	2
70.50	72.50	2.00	G278416	-0.005	93	39	102	-2
72.50	73.61	1.11	G278417	0.033	143	28	124	-2
73.61	74.20	0.59	G278418	0.067	220	24	59	-2
74.20	75.90	1.70	G278419	0.029	104	31	104	-2
75.90	77.90	2.00	G278421	0.084	165	39	97	-2
77.90	79.00	1.10	G278422	0.019	444	49	126	-2
79.00	81.00	2.00	G278423	-0.005	49	51	128	-2
81.00	82.80	1.80	G278424	0.009	83	61	106	-2
82.80	84.20	1.40	G278426	0.181	154	63	70	-2
84.20	85.80	1.60	G278427	1.535	383	55	67	-2
85.80	87.80	2.00	G278428	0.025	85	73	81	-2
87.80	89.30	1.50	G278429	-0.005	53	66	74	-2
89.30	90.50	1.20	G278431	0.016	68	60	83	-2
90.50	92.50	2.00	G278432	0.013	48	63	99	-2
92.50	94.18	1.68	G278433	0.006	65	72	88	-2
94.18	96.00	1.82	G278434	0.014	332	74	73	-2
96.00	98.00	2.00	G278435	-0.005	85	67	89	-2
98.00	100.00	2.00	G278436	0.011	140	63	83	-2
100.00	101.50	1.50	G278437	0.006	47	69	107	2
101.50	102.60	1.10	G278438	0.006	33	73	115	-2



# Drill Log

Project:

Cassiar

Hole Number:

TA12-27

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
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<<Vein: 85.15 - 85.24 Quartz 36 deg. >> Extensional milky QZ vein.  
 <<Vein: 85.65 - 85.75 Quartz 38 deg. >> Extensional milky QZ vein.  
 <<Vein: 88.63 - 88.78 Calcite 39 deg. >> Sheared calcite vein.  
 <<Vein: 93.07 - 93.22 Quartz 33 deg. >> Sheared QZ vein.  
 <<Vein: 93.77 - 93.88 Quartz 32 deg. >>  
 <<Vein: 100.07 - 100.14 Quartz 30 deg. >>  
 <<Struc: 83 - 84 weak Sheared 40 deg. >> Weak shear.

**102.60 104.20 T1A Pillow Basalt medium grey FG**

102.6 - 104.2: Competent, medium grey, pillow basalt. Boring.

**104.20 107.77 T2 Basalt - Altered medium grey FG**

104.2 - 107.77: Competent, medium grey, altered basalt. Weak AK alteration and moderate clay alteration. Faulted lower contact, with two calcite veins containing breccia fragments.

104.20	107.77	3.57	G278439	0.351	278	48	73	2
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<<Alt: 104.2 - 107.77 moderate Clay>>  
 <<Alt: 104.2 - 107.77 weak Ankerite>>

<<Vein: 107.06 - 107.27 Calcite>> Broken from faulting and containing breccia fragments.  
 <<Vein: 107.58 - 107.77 Calcite 38 deg. >> Calcite vein with brecciated fragments of wall rock.  
 <<Struc: 106 - 107.34 moderate fault 40 deg. >> Moderately faulted area at lower contact of altered basalt unit. Angles 30-50 tca.

**107.77 115.36 T1A Pillow Basalt green FG**

107.77 - 115.36: Competent, green, pillow basalt. Dead.

<<Vein: 107.85 - 107.99 Calcite>> Calcite vein.  
 <<Vein: 108.34 - 108.55 Calcite 12 deg. >> Calcite vein.

**115.36 119.13 T2 Basalt - Altered medium grey FMG**

115.36 - 119.13: Competent, medium grey, weakly altered basalt. Unmineralized.

115.52	117.50	1.98	G278441	-0.005	-2	69	70	-2
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<<Alt: 115.36 - 119.13 weak Ankerite>>

**119.13 125.00 T1A Pillow Basalt green FMG**

119.13 - 125: Competent, green, pillow basalt. Unmineralized and very boring.

**125.00 128.00 T2 Basalt - Altered beige FG**

125 - 128: Competent, beige, altered basalt. Moderately AK altered with strong crackle breccia texture. Related to large sheared QZ vein below.

125.00	127.00	2.00	G278442	0.546	182	73	67	-2
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<<Min: 125 - 126.12 1% pyrite>> fgr to mgr blebs and hedrons.

127.00	128.00	1.00	G278443	1.355	694	28	48	-2
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-27

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
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<<Min: 126.12 - 128 3% pyrite>> fgr to cgr blebs and hedrons.

<<Alt: 125 - 128 strong Ankerite>>

<<Alt: 125 - 130.2 weak Epidote>> Small blebs of epidote disseminated throughout units.

<<Vein: 127.2 - 127.38 Quartz-Ankerite 21 deg. >> Extensional milky QZ and AK vein.

**128.00 128.95 T5 Quartz Vein white FCG**

128.00	128.95	0.95	G278444	20.2	107	2	1465	-2
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128 - 128.95: Competent, sheared, milky QZ vein. Contains PY, TT, SP, and VG.

<<Min: 128 - 128.95 0.1% tetrahedrite>> Small, isolated blebs associated with larger SP blebs.

<<Min: 128 - 128.95 1% sphalerite>> Isolated blebs in vein. Associated with VG.

<<Min: 128 - 128.95 2% pyrite>> Aggregates and bands of PY in vein.

<<Min: 128.2 - 128.4 0.4% gold>> Small blebs associated with larger blebs of SP.

<<Vein: 128 - 128.95 Quartz 28 deg. >> Sheared milky QZ vein with PY, TT, SP, and VG.

**128.95 136.86 T2 Basalt - Altered beige FG**

128.95	130.00	1.05	G278445	0.367	188	59	67	-2
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128.95 - 136.86: Competent, beige to light grey, altered basalt. Moderately AK altered with two extensional QZ veins.

<<Min: 128.95 - 130.5 1% pyrite>> fgr to mgr blebs and hedrons disseminated from QZ vein margin.

<<Vein: 129.8 - 129.9 Quartz 38 deg. >>

<<Vein: 132 - 132.08 Quartz 30 deg. >>

130.00	132.00	2.00	G278446	0.088	72	60	88	-2
132.00	134.00	2.00	G278447	0.042	84	58	96	-2
134.00	136.00	2.00	G278448	0.013	404	56	95	-2
136.00	136.86	0.86	G278449	-0.005	43	67	100	-2

**136.86 187.10 T1A Pillow Basalt green FG**

136.86 - 187.1: Competent, green, pillow basalt. Largely unmineralized, with strongly clay-altered fault zone towards bottom of unit and one small, weakly AK-altered zone. Moderate to strong shearing near lower contact.

<<Min: 181.65 - 187.1 1% pyrite>> mgr to cgr isolated hedrons of PY related to shearing.

<<Alt: 145.6 - 146.2 weak Ankerite>>

<<Struc: 161.24 - 164.29 strong fault 50 deg. >> Strongly faulted and clay-altered area. Numerous calcite veins present, which are variably broken up.

<<Struc: 181.65 - 184 moderate Sheared 67 deg. >> Moderate shearing.

<<Struc: 184 - 185.62 strong Sheared 60 deg. >> Strong shearing.

**187.10 187.80 T2 Basalt - Altered beige FG**

187.10	188.67	1.57	G278451	0.095	125	105	82	8
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187.1 - 187.8: Competent, beige, altered basalt. Strong AK alteration and sheared QZ vein cutting entire interval at low angle.

<<Min: 187.1 - 187.8 0.1% pyrite>> Finely disseminated where present.

<<Alt: 187.1 - 187.8 strong Ankerite>>

<<Vein: 187.2 - 187.8 Quartz 5 deg. >> Sheared milky QZ vein with patches of green sericite, nearly parallel to core axis. QZ flooding along margins.

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-27**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>187.80</b>	<b>188.20</b>	<b>SHZ Shear Zone</b> 187.8 - 188.2: Competent, beige shear zone. Consists of brecciated altered basalt which has been strongly sheared and flooded with QZ. Contains about 4% PY as blebs and aggregates. <<Min: 187.8 - 188.2 4% pyrite>> Aggregates and blebs in shear zone. <<Struc: 187.8 - 188.2 strong Sheared 30 deg. >> Strong shear.	<b>beige</b>								
			188.67	190.20	1.53	G278452	0.055	74	50	77	-2
<b>188.20</b>	<b>189.46</b>	<b>T2 Basalt - Altered</b> 188.2 - 189.46: Competent, light grey, altered basalt. Strong AK alteration with weak shearing. Very minor PY. <<Min: 188.2 - 189.46 0.1% pyrite>> <<Alt: 188.2 - 189.46 strong Ankerite>> <<Struc: 188.2 - 189.46 weak Sheared 60 deg. >> Weak shear.	<b>light grey</b>								
<b>189.46</b>	<b>190.30</b>	<b>FLT Fault, Fault Zone</b> 189.46 - 190.3: Competent, dark grey, fault zone. Consists of black matrix with small clasts of altered basalt and QZ. Likely Taurus Thrust. <<Struc: 189.46 - 190.3 strong fault>> Strongly faulted zone. Likely Taurus Thrust.	<b>dark grey</b>								
			190.20	191.00	0.80	G278453	0.02	68	75	72	2
<b>190.30</b>	<b>190.60</b>	<b>T5 Quartz Vein</b> 190.3 - 190.6: Competent, sheared, milky QZ vein. Contains minor finely disseminated PY. <<Min: 190.3 - 190.6 0.5% pyrite>> <<Vein: 190.3 - 190.6 Quartz 20 deg. >> Sheared milky QZ vein.	<b>white</b>								
<b>190.60</b>	<b>195.04</b>	<b>T2 Basalt - Altered</b> 190.6 - 195.04: Competent, medium grey, altered basalt. Moderately AK altered, with two extensional QZ veins. <<Alt: 190.6 - 195.04 moderate Ankerite>> <<Vein: 191.02 - 191.2 Quartz 10 deg. >> <<Vein: 192.3 - 193.5 0% Quartz>> Extensional QZ vein nearly parallel to unit for over 1 m. <<Struc: 195 - 195.7 strong Sheared 42 deg. >> Strong shear at contact between altered basalt and chert.	<b>medium grey</b>								
			191.00	193.50	2.50	G278454	0.069	74	51	69	-2
			193.50	195.00	1.50	G278455	-0.005	81	79	119	-2
			195.00	197.00	2.00	G278456	0.008	73	68	35	2
<b>195.04</b>	<b>200.86</b>	<b>5B Chert</b> 195.04 - 200.86: Competent, medium grey chert. Upper 55 cm strongly sheared and boudined. Finely disseminated PY throughout. <<Min: 195.55 - 200.86 1% pyrite>> Finely disseminated in chert. <<Vein: 195.1 - 195.4 Quartz 15 deg. >> Extensional milky QZ vein with patches of green sericite. <<Vein: 197.14 - 197.3 Quartz 22 deg. >> Extensional milky QZ vein.	<b>medium grey</b>								
			197.00	199.00	2.00	G278457	0.021	56	81	49	4
			199.00	200.86	1.86	G278458	-0.005	15	55	65	3

## Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-27**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>End of Hole @ 200.86</b>											

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-28

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	27/07/2012
UTM Easting:	460210.21	Core Size:	NQ	Azimuth:	200	Date Completed:	28/07/2012
UTM Northing:	6570125.03	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1085.378	Casing Depth (m):	9.14	Length (m):	216.1	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	25/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	27/07/2012
Local Elev. (m):							

**Comments:**

Proposed name propTRS-AV. Designed as a follow-up to high grade zone intersected in TA12-27. Hole alternates between altered and unaltered basalt, with notable PY and AS mineralization from 27-37m where one shear vein contains PY, CP, and VG and correlates with the high-grade zone in TA12-27.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-45	176.63	23.37	200	Brunton				<input checked="" type="checkbox"/>	For Micromine plotting.
63.7	-44.1	172.5	23.37	195.87	ReflexEZS		26/07/2012	5738	<input checked="" type="checkbox"/>	
115.52	-44.4	173.2	23.37	196.57	ReflexEZS		26/07/2012		<input checked="" type="checkbox"/>	
158.19	-45.1	173	23.37	196.37	ReflexEZS		26/07/2012		<input checked="" type="checkbox"/>	
207.87	-45.3	173.8	23.37	197.17	ReflexEZS		26/07/2012	5833	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME- ICP41	Zn ppm ME- ICP41	Pb ppm ME-
<b>0.00</b>	<b>11.36</b>	<b>OVB Overburden</b>									
0 - 11.36: Some small intervals of competent basalt, but between them are fractures that appear to be filled by soil.											
<b>11.36</b>	<b>15.40</b>	<b>T1A Pillow Basalt</b>	<b>green</b>	<b>FMG</b>							
11.36 - 15.4: Competent, dark green, weakly oxidized pillow basalt.											
<<Struc: 14.1 - 14.3 moderate Fractured 60 deg. >> Faulted and gouge-altered area.											
<<Struc: 14.9 - 15 moderate fault>> Faulted and gouge-altered area.											
<b>15.40</b>	<b>17.00</b>	<b>T2 Basalt - Altered</b>	<b>cream</b>	<b>FG</b>							
15.4 - 17: Competent, cream, weakly AK-altered basalt. Contains two sheared QZ-AK veins with some PY.											
<<Min: 15.61 - 15.7 1% pyrite>> Small, isolated blebs.											
<<Alt: 15.4 - 17 weak Ankerite>>											
			15.40	17.00	1.60	G278459	0.046	58	54	101	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-28

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
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<<Vein: 15.61 - 15.7 Quartz-Ankerite 80 deg. >> Sheared QZ-AK vein.

<<Vein: 16.45 - 16.53 Quartz-Ankerite 40 deg. >> Extensional QZ-AK vein.

**17.00 25.90 T1A Pillow Basalt green FG**

17 - 25.9: Competent, green, pillow basalt. Weak to moderately clay altered.

<<Alt: 17 - 18.15 moderate Clay>>

<<Alt: 18.15 - 21.23 weak Clay>>

<<Struc: 17.94 - 18.06 weak fault 60 deg. >>

**25.90 41.70 T2 Basalt - Altered light grey FMG**

25.9 - 41.7: Competent, medium grey, altered basalt. Moderate AK alteration. Several mineralized areas, with the best one being a shear vein containing PY, CP, AS, and VG.

25.90	27.40	1.50	G278461	0.256	548	51	65	-2
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<<Min: 25.9 - 27 1% pyrite>>

<<Min: 27 - 28.6 3% pyrite>> fgr to mgr blebs and hedrons.

<<Min: 27.64 - 27.8 0.5% chalcopryrite>>

<<Min: 27.64 - 27.8 0.5% arsenopyrite>>

<<Min: 34.6 - 36 1% pyrite>> fgr to mgr blebs and hedrons.

<<Min: 36 - 37.8 4% pyrite>> fgr to cgr aggregates/bands.

<<Min: 36.45 - 36.46 0.1% gold>>

<<Min: 36.5 - 36.51 0.1% chalcopryrite>>

<<Min: 36.7 - 36.9 0.5% arsenopyrite>>

<<Min: 39.24 - 40.9 5% pyrite>> fgr to cgr blebs and hedrons.

<<Min: 40.3 - 40.6 1% arsenopyrite>>

<<Alt: 25.9 - 41.7 moderate Ankerite>>

<<Alt: 40.9 - 41.7 moderate Clay>>

<<Vein: 27.59 - 28.04 Quartz 55 deg. >> Sheared milky QZ vein.

<<Vein: 27.64 - 27.8 Quartz 65 deg. >> Sheared milky QZ vein with PY, CP, and AS.

<<Vein: 36.47 - 36.67 Quartz 40 deg. >> Extensional milky QZ vein with PY, CP, and VG.

<<Vein: 40.48 - 40.55 Quartz 55 deg. >> Extensional QZ vein with AS.

<<Struc: 29.7 - 29.85 weak fault 30 deg. >>

**41.70 55.30 T1A Pillow Basalt green FG**

41.7 - 55.3: Semi-competent, green, pillow basalt. Center of unit broken up by faulting with calcite veining.

<<Struc: 45.7 - 48.2 moderate fault 30 deg. >>

<<Struc: 49.36 - 49.6 moderate fault 60 deg. >>

27.40	28.50	1.10	G278462	2.82	835	28	53	2
28.50	30.18	1.68	G278463	0.026	27	69	92	-2
30.18	32.00	1.82	G278464	0.043	417	52	85	-2
32.00	34.00	2.00	G278465	0.011	106	50	97	-2
34.00	36.00	2.00	G278466	-0.005	73	38	104	-2
36.00	36.90	0.90	G278467	2.78	794	52	86	-2
36.90	37.80	0.90	G278468	0.905	402	42	119	-2
37.80	39.24	1.44	G278469	-0.005	71	39	108	-2
39.24	41.70	2.46	G278471	2.42	1890	28	74	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-28

From (m) To (m) Rocktype & Description

**55.30 61.80 T2 Basalt - Altered beige FG**

55.3 - 61.8: Competent, beige, altered basalt. Weak AK alteration, with very minor PY.

<<Min: 55.3 - 61.8 0.1% pyrite>> Small, isolated blebs.

<<Alt: 55.3 - 61.8 weak Ankerite>>

<<Struc: 59.3 - 60 weak Sheared 45 deg. >> Weak shear.

**61.80 68.50 T2 Basalt - Altered medium grey FG**

61.8 - 68.5: Competent, medium grey, altered basalt. Moderate AK alteration. Relict pillow texture present, with inter-pillow area flooded by very dark QZ. Strong crackle breccia texture, with weak shearing at about 45 degrees tca and several extensional QZ veins.

<<Min: 61.8 - 69.5 0.8% pyrite>> Small, isolated blebs.

<<Alt: 61.8 - 68.5 moderate Ankerite>>

<<Vein: 65.3 - 65.45 Quartz 24 deg. >> Extensional QZ vein.

<<Vein: 67.87 - 67.96 Quartz 33 deg. >>

<<Struc: 63.7 - 64 weak Sheared 45 deg. >> Weak shear.

**68.50 69.00 T5 Quartz Vein white FCG**

68.5 - 69: Competent, sheared milky QZ vein. Contains numerous wall rock fragments to the point of almost being just a silica-flooded area but strongly sheared. About 1% finely disseminated PY.

<<Min: 68.5 - 69 1% pyrite>>

<<Vein: 68.5 - 69 Quartz 41 deg. >> Strongly sheared QZ vein with numerous wall rock fragments and finely disseminated PY.

**69.00 69.55 T2 Basalt - Altered beige FG**

69 - 69.55: Competent, beige, altered basalt. Weak AK alteration.

<<Alt: 69 - 69.55 weak Ankerite>>

**69.55 74.53 T1A Pillow Basalt green FMG**

69.55 - 74.53: Competent, green, pillow basalt. Weak calcite alteration, with minor isolated PY.

<<Min: 69.55 - 74.53 0.4% pyrite>>

<<Alt: 69.55 - 74.53 weak Calcite>>

**74.53 85.84 T2 Basalt - Altered light grey FG**

74.53 - 85.84: Competent, light grey, altered basalt. Moderate AK alteration.

<<Min: 75 - 77.7 3% pyrite>> fgr to cgr isolated blebs.

<<Min: 77.43 - 77.53 1% arsenopyrite>>

<<Min: 78.9 - 83.1 2% pyrite>> fgr to cgr isolated blebs found in local shear bands.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
55.30	57.00	1.70	G278472	0.007	7	51	137	-2
57.00	58.99	1.99	G278473	-0.005	13	48	136	-2
58.99	61.00	2.01	G278474	-0.005	37	55	107	-2
61.00	61.80	0.80	G278476	-0.005	41	76	102	-2
61.80	63.80	2.00	G278477	-0.005	44	61	90	-2
63.80	65.00	1.20	G278478	-0.005	55	66	99	-2
65.00	67.00	2.00	G278479	0.05	619	57	108	-2
67.00	68.50	1.50	G278481	0.045	112	50	75	-2
68.50	69.00	0.50	G278482	0.2	152	6	119	-2
69.00	69.55	0.55	G278483	0.009	51	61	84	-2
74.53	76.00	1.47	G278484	0.162	191	72	55	-2
76.00	77.60	1.60	G278485	0.383	1585	12	48	-2
77.60	78.90	1.30	G278486	0.142	217	3	58	-2
78.90	80.75	1.85	G278487	0.288	758	10	48	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-28

From (m) To (m) Rocktype & Description

<<Alt: 74.53 - 85.84 moderate Ankerite>>

<<Vein: 77.43 - 77.53 Quartz-Ankerite 55 deg. >>

<<Struc: 78.9 - 83.1 weak Sheared 40 deg. >> Weak shear.

<<Struc: 82.2 - 82.8 weak Sheared 52 deg. >> Weak shear with QZ-AK bands parallel to foliation.

**85.84 94.90 T1A Pillow Basalt green FMG**

85.84 - 94.9: Competent, green, pillow basalt. Weak calcite alteration with strong calcite veining. Lower contact is faulted.

<<Alt: 85.84 - 94.9 weak Calcite>>

<<Vein: 91.4 - 91.6 Calcite 40 deg. >> Thick calcite vein.

<<Struc: 94.7 - 95.1 moderate fault 38 deg. >>

**94.90 101.92 T2 Basalt - Altered light grey FG**

94.9 - 101.92: Competent, light grey, altered basalt. Moderate AK alteration, with minor disseminated PY near upper contact. Center of unit is weakly sheared, with multiple QZ veins.

<<Min: 94.9 - 98.9 1% pyrite>>

<<Alt: 94.9 - 101.92 moderate Ankerite>>

<<Alt: 100.28 - 101.92 weak Ankerite>>

<<Vein: 95 - 95.27 Quartz 36 deg. >> Sheared milky QZ vein with brecciated upper contact.

<<Vein: 96.06 - 96.21 Quartz 25 deg. >>

<<Vein: 96.87 - 97.15 Quartz>>

<<Struc: 96.8 - 100.28 weak Sheared 44 deg. >> Weak shear.

**101.92 104.86 T1A Pillow Basalt green FG**

101.92 - 104.86: Competent, green, pillow basalt.

**104.86 113.60 T2 Basalt - Altered beige FG**

104.86 - 113.6: Competent, beige, weakly AK altered basalt. Two extensional QZ-AK veins at shallow angle tca, one with very minor finely disseminated AS.

<<Min: 109.3 - 109.9 0.1% arsenopyrite>>

<<Vein: 109.3 - 109.9 Quartz-Ankerite 10 deg. >> Very minor AS disseminated along margins.

<<Vein: 111 - 111.55 Quartz-Ankerite 10 deg. >>

**113.60 119.10 T1A Pillow Basalt green FG**

113.6 - 119.1: Competent, green, pillow basalt.

<<Vein: 118.6 - 118.8 Quartz 15 deg. >> QZ-calcite.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
80.75	82.20	1.45	G278488	0.187	225	61	60	-2
82.20	83.30	1.10	G278489	-0.005	54	63	72	-2
83.30	84.70	1.40	G278491	-0.005	41	58	88	-2
84.70	85.84	1.14	G278492	-0.005	39	55	95	-2

94.90	95.40	0.50	G278493	0.06	127	90	57	-2
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95.40	97.23	1.83	G278494	0.018	92	50	71	-2
97.23	99.00	1.77	G278495	-0.005	70	64	70	-2
99.00	100.28	1.28	G278496	-0.005	42	66	70	-2
100.28	101.92	1.64	G278497	0.014	146	75	75	-2

104.86	106.38	1.52	G278498	0.102	120	56	85	-2
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106.38	108.30	1.92	G278499	-0.005	35	78	112	-2
108.30	109.30	1.00	G278501	0.042	266	60	124	-2
109.30	110.20	0.90	G278502	0.231	1455	48	110	-2
110.20	112.00	1.80	G278503	0.102	630	59	98	-2
112.00	113.60	1.60	G278504	0.224	1120	75	74	-2



## Drill Log

Project:

Cassiar

Hole Number:

TA12-28

From (m) To (m) Rocktype & Description

**119.10 120.20 T2 Basalt - Altered beige FG**

119.1 - 120.2: Competent, beige, weakly AK altered basalt.

<<Alt: 119.1 - 120.2 weak Ankerite>>

**120.20 124.35 T1A Pillow Basalt green FG**

120.2 - 124.35: Competent, green, pillow basalt. Weak calcite alteration.

<<Alt: 120.2 - 124.35 weak Calcite>>

**124.35 124.80 T2 Basalt - Altered beige FG**

124.35 - 124.8: Competent, beige, weakly AK altered basalt. Centered on AK-QZ vein.

<<Alt: 124.35 - 124.8 weak Ankerite>>

<<Vein: 124.47 - 124.59 Quartz-Ankerite 30 deg. >>

**124.80 126.10 T1A Pillow Basalt green FG**

124.8 - 126.1: Competent, green, pillow basalt. Weak calcite alteration.

<<Alt: 124.8 - 126.1 weak Calcite>>

**126.10 131.10 T2 Basalt - Altered light grey FG**

126.1 - 131.1: Competent, light grey, altered basalt. Centered on large extensional QZ vein with very minor disseminated PY.

<<Min: 128.88 - 129.16 0.1% pyrite>>

<<Alt: 126.1 - 131.1 moderate Ankerite>>

<<Vein: 128.88 - 129.16 Quartz 20 deg. >> Extensional milky QZ vein with very minor disseminated PY.

**131.10 142.30 T1A Pillow Basalt green FG**

131.1 - 142.3: Competent, green, pillow basalt. A few areas of weak AK alteration.

<<Alt: 132.5 - 133.03 weak Ankerite>>

<<Alt: 134.63 - 135.06 weak Ankerite>>

<<Alt: 136.07 - 136.44 weak Ankerite>>

<<Vein: 134.91 - 135.07 Quartz-Ankerite 25 deg. >>

**142.30 149.27 T2 Basalt - Altered medium grey FMG**

142.3 - 149.27: Competent, medium-grey, moderately AK altered basalt. Centered on QZ-calcite veins which are at lower angle tca. Ends in weak shear.

<<Min: 143.8 - 149.27 0.2% pyrite>>

<<Alt: 142.3 - 149.27 moderate Ankerite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
119.10	120.20	1.10	G278505	-0.005	29	69	90	-2
124.35	124.80	0.45	G278506	0.029	72	34	88	-2
126.10	127.71	1.61	G278507	-0.005	8	65	126	2
127.71	128.80	1.09	G278508	0.01	86	53	93	-2
128.80	129.30	0.50	G278509	0.878	77	60	40	-2
129.30	131.10	1.80	G278511	0.025	70	55	83	-2
142.30	143.60	1.30	G278512	0.006	69	65	109	-2
143.60	145.20	1.60	G278513	0.021	69	49	75	-2
145.20	146.93	1.73	G278514	-0.005	50	67	101	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-28

From (m) To (m) Rocktype & Description

<<Vein: 143.8 - 144.09 Quartz 8 deg. >> QZ vein, possibly extensional, offset by later calcite vein.

<<Vein: 144.09 - 145 Quartz 5 deg. >> QZ-calcite.

<<Vein: 147.1 - 147.3 Quartz 20 deg. >> Sheared milky QZ vein.

<<Struc: 148.8 - 149.27 weak Sheared 75 deg. >> Weak shear.

**149.27 164.55 T1A Pillow Basalt green FMG**

149.27 - 164.55: Competent, green, pillow basalt. Unmineralized.

<<Vein: 155.7 - 156 Quartz 10 deg. >> QZ-calcite.

**164.55 165.65 T2 Basalt - Altered beige FG**

164.55 - 165.65: Competent, beige, weakly AK altered basalt.

<<Alt: 164.55 - 165.65 weak Ankerite>>

<<Vein: 164.96 - 165.33 Quartz-Ankerite 10 deg. >>

**165.65 184.77 T1A Pillow Basalt green FMG**

165.65 - 184.77: Competent, green, pillow basalt.

**184.77 187.60 T2 Basalt - Altered beige FG**

184.77 - 187.6: Competent, beige, weakly AK-altered basalt. Weakly sheared with minor PY in shear bands.

<<Min: 185.62 - 187.79 0.5% pyrite>> fgr to mgr isolated blebs and hedrons in shear bands.

<<Alt: 184.77 - 187.6 weak Ankerite>>

<<Struc: 185.62 - 187.79 weak Sheared 60 deg. >> Weak shear.

**187.60 191.38 T1A Pillow Basalt grey-green FG**

187.6 - 191.38: Competent, dark green-grey, pillow basalt. Moderately sheared near upper contact.

<<Struc: 187.6 - 188.1 moderate Sheared 65 deg. >> Moderate shear.

**191.38 195.72 T2 Basalt - Altered beige FG**

191.38 - 195.72: Competent, beige, altered basalt. Weak AK and clay alteration, with two weakly sheared intervals. Faulted lower contact.

<<Alt: 191.38 - 195.72 weak Clay>>

<<Alt: 191.38 - 195.72 weak Ankerite>>

<<Struc: 192.05 - 193 weak Sheared 60 deg. >> Weak shear.

<<Struc: 195.3 - 195.72 weak fault 40 deg. >>

**195.72 196.56 T1A Pillow Basalt grey-green FG**

195.72 - 196.56: Broken, dark green-grey, pillow basalt. Moderate clay alteration.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
146.93	148.60	1.67	G278515	0.035	104	50	60	-2
148.60	149.27	0.67	G278516	-0.005	65	69	90	-2

164.55	165.65	1.10	G278517	0.092	50	56	86	-2
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184.77	186.50	1.73	G278518	-0.005	8	80	151	-2
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186.50	188.50	2.00	G278519	-0.005	7	70	113	-2
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188.50	189.60	1.10	G278521	-0.005	17	77	102	-2
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191.38	193.27	1.89	G278522	-0.005	26	84	97	-2
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193.27	194.50	1.23	G278523	-0.005	17	113	114	-2
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194.50	195.72	1.22	G278524	-0.005	28	113	88	-2
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-28

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
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<<Alt: 195.72 - 196.56 moderate Clay>>

**196.56 199.90 T2 Basalt - Altered cream FG**

196.56	198.00	1.44	G278526	-0.005	32	84	77	-2
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196.56 - 199.9: Competent, cream-colored, altered basalt. Weakly AK altered and moderately sheared near upper contact.

<<Alt: 196.56 - 199.9 weak Ankerite>>

<<Struc: 196.56 - 197.2 moderate Sheared 55 deg. >> Moderate shear.

**199.90 202.25 FLT Fault, Fault Zone cream FCG**

198.00	199.50	1.50	G278527	0.007	58	68	108	-2
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199.50	200.86	1.36	G278528	0.054	78	2	14	2
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200.86	202.25	1.39	G278529	0.033	65	2	12	-2
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199.9 - 202.25: Competent, cream-colored, intensely faulted and silicified zone. Likely Taurus Thrust, with numerous clasts of altered basalt in a matrix of QZ veins/silica flooding and AK veining which has been sheared. Some PY as isolated blebs and hedrons and as vfgr aggregates stretched parallel to veins/foliation.

<<Min: 199.9 - 202.25 2% pyrite>> Isolated blebs and hedrons and vfgr aggregates stretched parallel to foliation/veins.

<<Alt: 199.9 - 202.25 intense Silicification >> Silica flooding/veining/shearing at Taurus Thrust.

<<Alt: 199.9 - 202.25 moderate Ankerite>>

<<Vein: 201 - 201.28 Quartz 15 deg. >> Sheared QZ vein.

<<Struc: 199.9 - 202.25 strong Sheared 15 deg. >> Strong shearing in Taurus Thrust zone.

<<Struc: 199.9 - 202.25 intense fault>> Taurus Thrust.

**202.25 208.60 T2 Basalt - Altered beige FG**

202.25	203.91	1.66	G278531	0.026	106	18	31	-2
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202.25 - 208.6: Competent, beige, altered basalt. Relatively intact compared to altered basalt in faulted area above, but still containing numerous small AK veins. Veins start at high angle tca and become nearly parallel tca towards lower contact, representing change in shear orientation. One small area with finely disseminated AS in sheared QZ vein/QZ-flooded breccia interval.

<<Min: 205.5 - 205.6 0.5% arsenopyrite>>

<<Alt: 202.25 - 208.6 strong Ankerite>>

<<Vein: 205.4 - 206.1 Quartz 6 deg. >> Sheared QZ vein/flooded area with minor AS.

<<Vein: 205.77 - 206.5 Calcite 6 deg. >>

<<Struc: 207.5 - 208.6 weak Sheared 64 deg. >> Weak shear.

**208.60 216.10 T1F Magnetic/Jasper Pillow Basalt black FG**

203.91	205.50	1.59	G278532	0.04	106	10	32	2
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205.50	207.50	2.00	G278533	0.048	86	25	38	-2
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207.50	208.60	1.10	G278534	-0.005	13	52	104	2
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208.6 - 216.1: Competent, black, jasper-bearing basalt. Strongly magnetic patches.

<<Struc: 211.3 - 212.05 weak fault 20 deg. >>

**End of Hole @ 216.1**

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-29

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	28/07/2012
UTM Easting:	460133.93	Core Size:	NQ	Azimuth:	200	Date Completed:	30/07/2012
UTM Northing:	6570231.39	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1088.458	Casing Depth (m):	6.1	Length (m):	216.1	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	28/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	30/07/2012
Local Elev. (m):							

**Comments:**

Proposed name propTRS-AW. Drilled to follow-up on southern-most known shear vein structures and mineralization in Sable Zone as seen in (and correlated between) holes TA12-10, -14, -25, -27, and -28. Notable mineralization from 3-4 m where sheared QZ vein contains PY and AS, from 98-128 m where a number of sheared and extensional QZ veins are associated with 3-5% PY and AS, in a vein at 134 m that with PY, CP, SP, and VG, and from 181-187 m with 2-4% PY. A small, moderate shear at 183 m possibly represents the Taurus Thrust.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
8.84	-44.6	179.1	23.37	202.47	ReflexEZS		30/07/2012	5820	<input checked="" type="checkbox"/>	For Micromine plotting.
57.61	-44.3	179.1	23.37	202.47	ReflexEZS		30/07/2012	5741	<input checked="" type="checkbox"/>	
103.33	-45.4	182.1	23.37	205.47	ReflexEZS		30/07/2012	5757	<input checked="" type="checkbox"/>	
152.1	-45.7	184.5	23.37	207.87	ReflexEZS		30/07/2012	5744	<input type="checkbox"/>	
210.01	-46.1	182.4	23.37	205.77	ReflexEZS		30/07/2012	5501	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
<b>0.00</b>	<b>3.05</b>	<b>OVB Overburden</b>									
<b>3.05</b>	<b>7.10</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FG</b>							
		3.05 - 7.1: Broken, light grey, moderately AK-altered basalt. Oxidized on fracture surfaces. Contains one sheared QZ vein with PY and AS.	3.05	4.50	1.45	G278535	2.38	1830	4	30	-2
		<<Min: 3.5 - 3.7 0.5% arsenopyrite>> fgr to mgr blebs and hedrons.									
		<<Min: 3.5 - 4.5 2% pyrite>> fgr to mgr blebs and hedrons.									
		<<Alt: 3.05 - 7.1 moderate Ankerite>>									
		<<Vein: 3.5 - 3.7 Quartz 40 deg. >> Sheared milky QZ vein with PY and AS.									
<b>7.10</b>	<b>19.50</b>	<b>T1A Pillow Basalt</b>	<b>green</b>	<b>FG</b>							
		7.1 - 19.5: Semi-competent, green, pillow basalt. Contains numerous fractures which have been healed by calcite and a small, moderately faulted zone towards bottom of unit.									

# Drill Log

Project:

Cassiar

Hole Number:

TA12-29

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Struc: 16.25 - 16.5 moderate fault 50 deg. >> <b>19.50 24.80 T1 Basalt green FMG</b> 19.5 - 24.8: Competent, green basalt. Massive, equigranular texture.											
<<Min: 25.85 - 27 1% pyrite>> <<Alt: 26.5 - 27.13 moderate Epidote>> <b>24.80 28.50 T1A Pillow Basalt green FG</b> 24.8 - 28.5: Competent, green, pillow basalt. Small patch of moderate epidote alteration in inter-pillow area with some blebby PY.											
<<Min: 25.85 - 27 1% pyrite>> <<Alt: 26.5 - 27.13 moderate Epidote>> <b>28.50 29.00 T2 Basalt - Altered light grey FG</b> 28.5 - 29: Competent, light grey, altered basalt. Contains about 3% disseminated PY due to QZ vein below.											
<<Min: 28.5 - 29 3% pyrite>> fgr to mgr blebs and hedrons. <<Alt: 28.5 - 29 moderate Ankerite>> <b>29.00 29.70 T5 Quartz Vein white FCG</b> 29 - 29.7: Competent, extensional QZ vein with minor PY. Broken lower contact.											
<<Min: 29 - 29.7 0.5% pyrite>> fgr to mgr disseminations, usually associated with wall rock fragments. <<Vein: 29 - 29.7 Quartz 42 deg. >> Extensional milky QZ vein with minor PY. <b>29.70 33.96 T2 Basalt - Altered light grey FG</b> 29.7 - 33.96: Competent, light grey, altered basalt. A few small, extensional QZ veins, with one silicified area containing finely disseminated PY.											
<<Min: 29.7 - 31 1% pyrite>> Finely disseminated in area of silicification. <<Alt: 29.7 - 31 moderate Silicification >> <<Alt: 29.7 - 33.96 moderate Ankerite>> <<Vein: 30.7 - 30.76 Quartz-Ankerite 35 deg. >> <<Vein: 31.83 - 31.92 Quartz 32 deg. >> <<Vein: 32.21 - 32.27 Quartz-Ankerite 35 deg. >> <b>33.96 34.53 T5 Quartz Vein white FCG</b> 33.96 - 34.53: Competent, sheared milky QZ vein with PY as bands and aggregates.											
<<Min: 33.96 - 34.53 5% pyrite>> Bands and aggregates in vein. <<Vein: 33.96 - 34.53 Quartz 60 deg. >> Sheared milky QZ vein with PY bands and aggregates.											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-29

From (m) To (m) Rocktype & Description

**34.53 48.33 T2 Basalt - Altered light grey FMG**

34.53 - 48.33: Competent, light grey, weakly to moderately AK-altered basalt. PY is disseminated from QZ vein margins.

<<Min: 34.53 - 35.8 8% pyrite>> fgr to mgr blebs and hedrons.  
 <<Min: 37.9 - 38.28 3% pyrite>> fgr to mgr blebs and hedrons around small extensional QZ vein.  
 <<Alt: 34.53 - 48.33 moderate Ankerite>> Patches of AK alteration ranging from weak to moderate.  
 <<Alt: 47.35 - 48.33 weak Clay>>  
 <<Vein: 37.9 - 38.28 Quartz 45 deg. >>  
 <<Vein: 45.3 - 45.4 Quartz 45 deg. >>  
 <<Vein: 45.74 - 45.8 Quartz 38 deg. >>  
 <<Struc: 47.2 - 47.75 weak Sheared 32 deg. >> Weak shear.

**48.33 55.80 T1A Pillow Basalt grey-green FMG**

48.33 - 55.8: Competent, grey-green, pillow basalt. One patch of weak AK alteration centered on an AK vein, and bottom of unit is clay-altered and faulted. Contains numerous calcite veins, mostly related to faulted area.

<<Alt: 51.2 - 52 weak Ankerite>>  
 <<Alt: 53.27 - 54.55 moderate Clay>>  
 <<Vein: 51.3 - 51.39 Ankerite 37 deg. >>  
 <<Struc: 54.55 - 56.75 moderate fault>> Area of brecciation and calcite and QZ veining.

**55.80 61.58 T2 Basalt - Altered light grey FG**

55.8 - 61.58: Competent, light grey, altered basalt. Top of unit brecciated with QZ veins. Several extensional QZ veins throughout unit, with silicification of brecciated area.

<<Min: 56 - 56.85 1% pyrite>>  
 <<Alt: 55.8 - 61.58 moderate Ankerite>>  
 <<Alt: 56.19 - 56.4 moderate Silicification >>  
 <<Vein: 56 - 56.13 Quartz 23 deg. / Ankerite 60 deg. >> AK vein cutting QZ vein with finely disseminated PY.  
 <<Vein: 60.33 - 60.43 Quartz 20 deg. >>  
 <<Vein: 60.81 - 60.93 Quartz 33 deg. >>

**61.58 65.05 T1A Pillow Basalt grey-green FG**

61.58 - 65.05: Competent, grey-green, pillow basalt. Moderately clay altered near upper contact, with calcite veining near lower contact.

<<Alt: 61.58 - 65.05 moderate Clay>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
34.53	36.00	1.47	G278544	2.47	865	43	53	-2

36.00	37.90	1.90	G278545	0.006	101	65	66	-2
37.90	38.40	0.50	G278546	0.237	247	49	36	-2
38.40	40.40	2.00	G278547	-0.005	20	76	72	-2
40.40	42.37	1.97	G278548	-0.005	35	64	75	-2
42.37	44.00	1.63	G278549	-0.005	44	73	87	-2
44.00	46.00	2.00	G278551	0.009	78	47	79	-2
46.00	47.35	1.35	G278552	0.017	178	47	89	-2
47.35	48.33	0.98	G278553	-0.005	62	56	94	-2

55.80	56.85	1.05	G278554	0.376	288	57	40	2
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56.85	58.10	1.25	G278555	-0.005	81	54	76	-2
58.10	60.00	1.90	G278556	-0.005	48	62	81	-2
60.00	61.58	1.58	G278557	0.006	60	70	101	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-29

From (m) To (m) Rocktype & Description

**65.05 66.75 T2 Basalt - Altered beige FG**

65.05 - 66.75: Small interval of competent, beige, weakly AK and clay-altered basalt. One small, sheared QZ vein near upper contact with very minor PY and trace AS.

<<Min: 65.56 - 65.67 0.2% pyrite>>

<<Min: 65.56 - 65.67 0.01% arsenopyrite>>

<<Alt: 65.05 - 66.75 weak Clay>>

<<Alt: 65.05 - 66.75 weak Ankerite>>

<<Vein: 65.56 - 65.67 Quartz 50 deg. >> Small sheared QZ vein with very minor PY and trace AS.

**66.75 80.88 T1A Pillow Basalt green FMG**

66.75 - 80.88: Competent, green, pillow basalt. Unmineralized and boring.

**80.88 82.12 T2 Basalt - Altered cream FG**

80.88 - 82.12: Small interval of weakly AK and clay-altered basalt. Centered on small, minor fault.

<<Alt: 80.88 - 82.12 weak Clay>>

<<Alt: 80.88 - 82.12 weak Ankerite>>

<<Struc: 81.51 - 81.95 weak fault 45 deg. >>

**82.12 91.84 T1A Pillow Basalt green FMG**

82.12 - 91.84: Competent, green, pillow basalt. Unmineralized.

**91.84 103.85 T2 Basalt - Altered light grey FG**

91.84 - 103.85: Competent, light grey, altered basalt. Moderate AK alteration, centered on QZ veining. Variably PY mineralization.

<<Min: 92.33 - 94.33 7% pyrite>> fgr to cgr blebs and hedrons, as well as large aggregates.

<<Min: 94.33 - 96.5 5% pyrite>> fgr to cgr blebs and hedrons, as well as aggregates and bands.

<<Min: 96.5 - 98.1 1% pyrite>>

<<Min: 98.1 - 98.4 5% pyrite>> fgr to cgr blebs and hedrons.

<<Min: 98.9 - 102.84 3% pyrite>> fgr to cgr blebs and hedrons.

<<Alt: 91.84 - 103.85 moderate Ankerite>>

<<Vein: 93.12 - 93.4 Quartz-Ankerite 18 deg. >>

<<Vein: 94.33 - 94.53 Quartz-Ankerite 20 deg. >>

<<Vein: 98.4 - 98.9 Quartz 40 deg. >>

<<Vein: 100.71 - 100.79 Quartz 20 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
65.05	66.75	1.70	G278558	-0.005	32	54	83	-2

80.88	82.12	1.24	G278559	-0.005	21	43	64	-2
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91.84	93.00	1.16	G278561	1.39	473	60	70	-2
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93.00	93.40	0.40	G278562	1.62	1180	19	29	2
93.40	94.18	0.78	G278563	1.9	1730	46	31	-2
94.18	94.70	0.52	G278564	1.755	737	34	46	-2
94.70	96.50	1.80	G278565	3.95	1705	31	28	2
96.50	98.40	1.90	G278566	0.58	449	58	68	-2
98.40	98.90	0.50	G278567	0.006	6	1	-2	-2
98.90	100.52	1.62	G278568	2.59	1210	50	44	-2
100.52	101.60	1.08	G278569	2.68	1320	16	30	3
101.60	102.84	1.24	G278571	4.68	1250	37	41	2
102.84	103.85	1.01	G278572	0.069	44	46	82	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-29

From (m)	To (m)	Rocktype & Description	Color	Grade	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
103.85	114.10	T1A Pillow Basalt	green	FMG									
103.85 - 114.1: Competent, green, pillow basalt.													
114.10	114.70	T2 Basalt - Altered	light grey	FG	114.10	114.70	0.60	G278573	0.008	31	51	80	-2
114.1 - 114.7: Competent, light grey, moderately AK-altered basalt centered on sheared QZ vein.													
<<Alt: 114.1 - 114.7 moderate Ankerite>>													
<<Vein: 114.23 - 114.39 Quartz 40 deg. >>													
114.70	120.30	T1A Pillow Basalt	green	FG									
114.7 - 120.3: Competent, green, pillow basalt. One small patch of weak AK alteration centered on AK vein.													
<<Alt: 117.9 - 118.15 weak Ankerite>>													
<<Vein: 118.04 - 118.09 Arsenopyrite 40 deg. >>													
120.30	147.00	T2 Basalt - Altered	light grey	FG	120.30	120.90	0.60	G278574	-0.005	107	47	100	-2
120.3 - 147: Competent, light grey, moderately AK altered basalt. Contains several extensional QZ veins and several sheared QZ veins, one of which contains PY, CP, SP, and VG.													
<<Min: 120.9 - 122.7 5% pyrite>> fgr to cgr blebs and hedrons.													
<<Min: 124.5 - 125.5 3% pyrite>> fgr to mgr blebs and hedrons.													
<<Min: 126.1 - 128.5 4% pyrite>> fgr to cgr blebs and hedrons.													
<<Min: 127.2 - 127.29 0.1% arsenopyrite>>													
<<Min: 127.5 - 127.69 0.1% arsenopyrite>>													
<<Min: 128.5 - 130.2 1% pyrite>>													
<<Min: 130.2 - 132 1% pyrite>>													
<<Min: 132.1 - 133 5% pyrite>> fgr to cgr blebs and hedrons.													
<<Min: 133.81 - 134.4 0.5% pyrite>> Isolated, mgr blebs.													
<<Min: 134.12 - 134.25 0.05% gold>>													
<<Min: 134.12 - 134.25 0.5% sphalerite>>													
<<Min: 134.12 - 134.25 4% chalcopyrite>>													
<<Min: 138.1 - 138.35 3% pyrite>> fgr to mgr blebs and hedrons and as aggregates in vein.													
<<Alt: 120.3 - 147 moderate Ankerite>>													
<<Vein: 121.02 - 121.25 Quartz-Ankerite 32 deg. >>													
<<Vein: 121.49 - 121.61 Quartz-Ankerite 30 deg. >>													
<<Vein: 124.34 - 124.5 Quartz 25 deg. >>													
<<Vein: 127.2 - 127.29 Quartz 30 deg. >>													
<<Vein: 127.5 - 127.69 Quartz 23 deg. >>													
120.90	121.62				120.90	121.62	0.72	G278576	1.025	921	70	41	-2
121.62	122.70				121.62	122.70	1.08	G278577	0.942	392	42	57	-2
122.70	124.50				122.70	124.50	1.80	G278578	0.065	116	49	73	-2
124.50	125.50				124.50	125.50	1.00	G278579	1.255	424	40	59	-2
125.50	126.10				125.50	126.10	0.60	G278581	0.119	151	50	59	-2
126.10	127.20				126.10	127.20	1.10	G278582	2	1460	10	28	-2
127.20	128.50				127.20	128.50	1.30	G278583	1.245	778	11	35	-2
128.50	130.20				128.50	130.20	1.70	G278584	1.41	961	14	50	-2
130.20	131.14				130.20	131.14	0.94	G278585	0.454	230	58	78	-2
131.14	132.10				131.14	132.10	0.96	G278586	1.24	1205	53	54	-2
132.10	133.00				132.10	133.00	0.90	G278587	1.105	751	28	43	-2
133.00	133.81				133.00	133.81	0.81	G278588	0.012	121	56	112	-2
133.81	134.30				133.81	134.30	0.49	G278589	2.16	151	1545	3850	-2
134.30	135.20				134.30	135.20	0.90	G278591	0.02	107	67	87	-2
135.20	136.86				135.20	136.86	1.66	G278592	-0.005	100	53	76	-2
136.86	137.90				136.86	137.90	1.04	G278593	-0.005	130	58	76	-2
137.90	138.50				137.90	138.50	0.60	G278594	0.063	1525	43	65	-2
138.50	139.90				138.50	139.90	1.40	G278595	0.093	228	8	55	-2
139.90	140.90				139.90	140.90	1.00	G278596	0.03	228	19	65	-2



# Drill Log

Project:

Cassiar

Hole Number:

TA12-29

From (m)	To (m)	Rocktype & Description
<<Vein: 127.82 - 128.2	>>	Calcite 10 deg.
<<Vein: 130.03 - 130.13	>>	Quartz-Ankerite 30 deg.
<<Vein: 132 - 132.1	>>	Calcite 40 deg. Sheared calcite vein with carbonaceous stringers and finely disseminated PY.
<<Vein: 133.37 - 133.46	>>	Quartz 45 deg.
<<Vein: 133.57 - 133.64	>>	Quartz 45 deg.
<<Vein: 134.12 - 134.25	>>	Quartz 38 deg. Sheared milky QZ vein with PY, CP, SP, and VG.
<<Vein: 136.11 - 136.23	>>	Quartz 25 deg.
<<Vein: 138.22 - 138.29	>>	Ankerite 40 deg. Sheared AK vein with PY and green sericite aggregates.
<<Struc: 130.1 - 130.3	>>	weak Sheared 45 deg.
<<Struc: 130.7 - 131.09	>>	strong fault 45 deg. Strong fault and gouge-altered area.
<b>147.00</b>	<b>147.70</b>	<b>CV Carbonate Vein white FCG</b>
147 - 147.7: Large calcite vein with folded carbon stringers. Lower contact contains breccia of altered basalt clasts in a calcite matrix.		
<<Vein: 147 - 147.7	>>	Calcite 30 deg. Large calcite vein.
<b>147.70</b>	<b>174.30</b>	<b>T2 Basalt - Altered light grey FG</b>
147.7 - 174.3: Competent, light grey, altered basalt. Moderately AK-altered with numerous small intervals of varying PY and AS mineralization, typically in small shears and near veins.		
<<Min: 147.7 - 150	>>	0.2% pyrite small, isolated blebs and hedrons.
<<Min: 150 - 151.51	>>	2% pyrite Patches associated with veins and shears.
<<Min: 153 - 153.75	>>	3% pyrite fgr to cgr blebs and hedrons.
<<Min: 154 - 154.24	>>	0.5% pyrite
<<Min: 154 - 154.24	>>	1% arsenopyrite
<<Min: 156.1 - 156.6	>>	1% pyrite
<<Min: 156.1 - 156.6	>>	0.5% arsenopyrite
<<Min: 158.5 - 159	>>	1% pyrite
<<Min: 160.6 - 162.7	>>	2% pyrite Small, isolated blebs and hedrons.
<<Min: 165.6 - 167	>>	0.5% pyrite
<<Alt: 147.7 - 174.3	>>	moderate Ankerite
<<Vein: 150.83 - 151.1	>>	Ankerite 10 deg. Sheared AK vein with clusters of PY.
<<Vein: 154 - 154.24	>>	Ankerite 20 deg. Sheared AK vein.
<<Vein: 156 - 156.3	>>	Calcite 10 deg. Calcite vein with PY and AS along margins.
<<Struc: 150.08 - 150.27	>>	weak Sheared 63 deg. Weak shear.
<<Struc: 150.34 - 150.46	>>	weak fault 30 deg.
<<Struc: 174.15 - 174.33	>>	weak fault 35 deg. Contact between altered basalt and unaltered pillow basalt.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
140.90	142.90	2.00	G278597	0.014	94	59	93	-2
142.90	144.95	2.05	G278598	0.006	72	55	96	-2
144.95	146.00	1.05	G278599	0.028	93	68	92	-2
146.00	147.00	1.00	G278601	0.012	76	53	84	-2
147.00	147.70	0.70	G278602	0.008	14	-1	4	-2
147.70	149.05	1.35	G278603	0.103	193	1	64	-2
149.05	150.00	0.95	G278604	0.587	277	1	64	-2
150.00	151.51	1.51	G278605	1.43	1105	12	59	4
151.51	153.00	1.49	G278606	0.159	282	11	71	2
153.00	153.75	0.75	G278607	0.554	613	5	86	2
153.75	154.70	0.95	G278608	0.307	1010	7	73	-2
154.70	156.00	1.30	G278609	0.263	334	8	73	-2
156.00	156.62	0.62	G278611	0.723	507	7	69	2
156.62	158.50	1.88	G278612	0.132	205	8	63	-2
158.50	159.00	0.50	G278613	0.358	315	6	59	2
159.00	160.60	1.60	G278614	0.391	365	4	59	-2
160.60	162.60	2.00	G278615	0.101	173	30	69	-2
162.60	164.29	1.69	G278616	0.117	176	8	48	-2
164.29	165.60	1.31	G278617	0.028	111	46	53	-2
165.60	167.00	1.40	G278618	0.12	148	59	62	-2
167.00	168.80	1.80	G278619	-0.005	78	66	77	-2
168.80	170.80	2.00	G278621	0.005	79	64	85	-2
170.80	172.50	1.70	G278622	0.141	1495	33	64	3

# Drill Log

Project:

Cassiar

Hole Number:

TA12-29

From (m) To (m) Rocktype & Description

**174.30 177.25 T1A Pillow Basalt grey-green FG**

174.3 - 177.25: Competent, grey-green, pillow basalt.

**177.25 183.53 T2 Basalt - Altered light grey FG**

177.25 - 183.53: Competent, light grey, altered basalt. Moderate, patchy AK alteration centered on areas of AK veining.

<<Min: 181 - 181.4 2% pyrite>>

<<Min: 183.33 - 183.44 4% pyrite>> Sheared aggregates of vfgr PY.

<<Alt: 177.25 - 183.53 moderate Ankerite>>

<<Vein: 181.07 - 181.2 Quartz-Ankerite 42 deg. >>

<<Vein: 181.77 - 183.47 Ankerite 30 deg. >>

<<Struc: 183.1 - 183.47 moderate fault 50 deg. >>

<<Struc: 183.33 - 183.44 moderate Sheared 50 deg. >> Moderate shear. Possibly Taurus Thrust?

**183.53 187.30 T1 Basalt green FMG**

183.53 - 187.3: Competent, green, equigranular basalt.

**187.30 189.00 T2 Basalt - Altered light grey FMG**

187.3 - 189: Competent, light grey, altered basalt. Weak AK alteration centered on QZ veins.

<<Min: 187.3 - 187.41 3% pyrite>>

<<Min: 188.08 - 188.9 0.5% pyrite>>

<<Alt: 187.3 - 189 weak Ankerite>>

<<Vein: 187.3 - 187.41 Quartz-Ankerite 16 deg. >>

<<Vein: 188.08 - 188.21 Quartz 22 deg. >>

<<Vein: 188.62 - 188.9 Quartz 20 deg. >>

**189.00 201.50 T1F Magnetic/Jasper Pillow Basalt grey-green FG**

189 - 201.5: Competent, dark grey-green, strongly magnetic pillow basalt. Small patches of oolitic jasper and epidote alteration between pillows.

**201.50 202.60 T2 Basalt - Altered beige FG**

201.5 - 202.6: Competent, beige, altered basalt. Weak AK alteration centered on calcite vein with minor PY.

<<Min: 201.84 - 202.13 1% pyrite>>

<<Alt: 201.5 - 202.6 weak Ankerite>>

<<Vein: 201.84 - 202.13 Calcite 18 deg. >> Calcite vein associated with alteration and PY.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
172.50	174.30	1.80	G278623	0.36	239	6	63	2

177.25	179.10	1.85	G278624	0.011	48	67	102	2
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179.10	180.90	1.80	G278626	0.06	81	65	80	-2
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180.90	181.63	0.73	G278627	0.045	54	39	71	-2
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181.63	183.00	1.37	G278628	0.034	27	72	88	-2
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183.00	183.53	0.53	G278629	0.332	314	45	107	4
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187.30	189.00	1.70	G278631	0.032	78	72	75	2
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201.50	202.60	1.10	G278632	0.044	68	104	87	2
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# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-29**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>202.60</b>	<b>216.10</b>	<b>T1F Magnetic/Jasper Pillow Basalt black</b>									
<p><b>FG</b>            202.6 - 216.1: Competent, black, strongly magnetic pillow basalt. Oolitic jasper patches and weak epidote alteration between pillows.</p>											
<p><b>End of Hole @ 216.1</b></p>											

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-30

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	31/07/2012
UTM Easting:	460013.47	Core Size:	NQ	Azimuth:	200	Date Completed:	01/08/2012
UTM Northing:	6570272.32	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1106.449	Casing Depth (m):	1.52	Length (m):	216.1	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	30/07/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	01/08/2012
Local Elev. (m):							

**Comments:**

Proposed name propTRS-AY. Drilled to follow up on zones in TA12-29 and related holes to test southern and western extent of mineralization in Sable Zone. Mineralization weak overall, with best intervals at 7-11 m with 2-3% PY, 70-89 m with 2-5% PY and minor AS, and 113-117 m with 3-10% PY associated with sheared QZ veins. Strongly faulted, silicified, and sheared area at 163 m likely Taurus Thrust.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-45	176.63	23.37	200	Brunton				<input type="checkbox"/>	For Micromine plotting.
57.61	-45.2	178.2	23.37	201.57	EZShot		30/07/2012	5761	<input checked="" type="checkbox"/>	
106.38	-45.6	181.2	23.37	204.57	EZShot		30/07/2012	5746	<input checked="" type="checkbox"/>	
149.05	-45.5	182.3	23.37	205.67	EZShot		30/07/2012	5757	<input type="checkbox"/>	
210.01	-44.7	177.7	23.37	201.07	EZShot		30/07/2012	5757	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
<b>0.00</b>	<b>3.95</b>	<b>OVB Overburden</b>									
<b>3.95</b>	<b>5.79</b>	<b>T1 Basalt</b>	<b>grey-green</b>	<b>FMG</b>							
3.95 - 5.79: Competent, grey-green, weakly oxidized basalt.											
<b>5.79</b>	<b>16.54</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FMG</b>							
5.79 - 16.54: Competent, light grey, altered basalt. Moderate AK alteration, with disseminated PY associated with QZ veining.											
<<Min: 5.79 - 6.9 0.5% pyrite>>											
<<Min: 6.9 - 9 3% pyrite>> fgr to cgr blebs and hedrons.											
<<Min: 9.55 - 11.3 2% pyrite>> fgr to cgr blebs and hedrons.											
<<Min: 12.9 - 13.7 1% pyrite>> fgr to mgr blebs and hedrons.											
<<Min: 16 - 17.1 2% pyrite>> fgr to cgr blebs and hedrons.											
	6.90	8.84	1.94	G278634	6.78	1165	54	48	-2		
	8.84	10.20	1.36	G278635	0.834	527	17	45	-2		
	10.20	11.30	1.10	G278636	0.7	261	42	62	-2		
	11.30	12.90	1.60	G278637	0.029	103	55	104	-2		
	12.90	13.70	0.80	G278638	-0.005	82	76	96	2		

# Drill Log

Project:

Cassiar

Hole Number:

TA12-30

From (m) To (m) Rocktype & Description

<<Alt: 5.79 - 16.54 moderate Ankerite>>  
 <<Vein: 9.17 - 9.37 Calcite 30 deg. >>  
 <<Vein: 10.39 - 10.55 Calcite 30 deg. >> Calcite vein with brecciated lower contact.  
 <<Vein: 10.7 - 10.8 Calcite 40 deg. >>  
 <<Vein: 10.8 - 11 Quartz 40 deg. >> Extensional milky QZ vein with calcite vein at upper contact.  
 <<Vein: 13.14 - 13.21 Quartz 50 deg. >>  
 <<Vein: 15.96 - 16.05 Ankerite 40 deg. >> Sheared AK vein.  
 <<Struc: 8.55 - 8.9 weak fault 20 deg. >>

**16.54 17.00 T5 Quartz Vein white FCG**

16.54 - 17: Competent, extensional QZ vein with calcite vein at upper margin.

<<Vein: 16.54 - 17 Quartz 30 deg. >> Extensional milky QZ vein.

**17.00 20.30 T2 Basalt - Altered light grey FG**

17 - 20.3: Competent, light grey, altered basalt. Weak, patchy AK alteration. Weak oxidation on fracture surfaces.

<<Alt: 17 - 20.3 weak Ankerite>>

<<Vein: 18.4 - 18.48 Quartz 48 deg. >>

<<Vein: 19.52 - 19.6 Quartz 45 deg. >> Extensional vein of dark QZ, possibly QZ-flooded inter-pillow area.

**20.30 22.26 T1A Pillow Basalt green FMG**

20.3 - 22.26: Competent, green, pillow basalt. Weak calcite alteration.

<<Alt: 20.3 - 21.26 weak Calcite>>

<<Struc: 21.8 - 23.12 moderate fault 60 deg. >>

**22.26 23.12 T2 Basalt - Altered cream FG**

22.26 - 23.12: Competent, cream-colored, altered basalt. Weak AK and clay alteration.

<<Alt: 22.26 - 23.12 weak Clay>>

<<Alt: 22.26 - 23.12 weak Ankerite>>

**23.12 28.84 T1A Pillow Basalt green FMG**

23.12 - 28.84: Competent, green, pillow basalt.

**28.84 35.40 T1 Basalt green FMG**

28.84 - 35.4: Competent, green, equigranular basalt.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
13.70	15.40	1.70	G278639	0.191	86	47	103	2
15.40	16.50	1.10	G278641	0.322	117	66	85	-2
16.50	17.10	0.60	G278642	0.183	261	103	22	-2

17.10	19.10	2.00	G278643	0.022	84	56	105	2
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19.10	20.30	1.20	G278644	0.017	122	58	106	3
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21.26	23.12	1.86	G278645	0.136	69	53	122	2
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-30

From (m) To (m) Rocktype & Description

**35.40 36.70 T2 Basalt - Altered light grey FG**

35.4 - 36.7: Competent, light grey, altered basalt. Moderate AK alteration, some PY associated with an extensional QZ vein in a small shear.

<<Min: 36.3 - 36.46 1% pyrite>>  
 <<Alt: 35.4 - 36.7 moderate Ankerite>>  
 <<Vein: 36.3 - 36.46 Quartz-Ankerite 22 deg. >>  
 <<Struc: 36.4 - 36.6 weak Sheared 25 deg. >>

**36.70 47.47 T1 Basalt grey-green FMG**

36.7 - 47.47: Competent, grey-green, equigranular basalt.

<<Min: 47.4 - 47.8 0.5% pyrite>>  
 <<Alt: 47.4 - 47.8 moderate Ankerite>>

**47.47 47.80 T2 Basalt - Altered medium grey FG**

47.47 - 47.8: Competent, medium grey, altered basalt. Weak shearing, with a number of small AK veins and very minor PY.

<<Struc: 47.62 - 48.09 weak Sheared 44 deg. >>

**47.80 48.55 T1 Basalt green FMG**

47.8 - 48.55: Competent, green, equigranular basalt.

**48.55 50.55 T2 Basalt - Altered light grey FG**

48.55 - 50.55: Competent, light grey, altered basalt. Moderate AK alteration.

<<Alt: 48.55 - 50.55 moderate Ankerite>>  
 <<Vein: 49.44 - 49.54 Calcite 50 deg. >> Sheared calcite vein.  
 <<Struc: 49.44 - 49.7 moderate Sheared 50 deg. >>

**50.55 52.20 T1A Pillow Basalt green FMG**

50.55 - 52.2: Competent, green, pillow basalt. Weak calcite alteration.

<<Alt: 50.55 - 52.2 weak Calcite>>

**52.20 53.70 T2 Basalt - Altered light grey FG**

52.2 - 53.7: Competent, light grey, altered basalt. Moderate AK alteration, with several QZ-AK veins.

<<Min: 52.2 - 53.7 0.5% pyrite>>  
 <<Alt: 52.2 - 53.7 moderate Ankerite>>  
 <<Vein: 52.27 - 52.35 Quartz-Ankerite 32 deg. >> Extensional QZ-AK vein.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
35.40	36.70	1.30	G278646	0.023	94	68	74	2

47.30	47.80	0.50	G278647	0.3	392	66	79	2
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48.55	50.55	2.00	G278648	0.123	127	59	83	-2
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52.20	53.70	1.50	G278649	0.042	71	49	75	2
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-30

From (m) To (m) Rocktype & Description

<<Vein: 53.19 - 53.33 Quartz 30 deg. >> Extensional QZ vein.  
 <<Vein: 53.57 - 53.7 Ankerite 50 deg. >> Sheared AK vein.  
 <<Struc: 53.57 - 53.7 moderate Sheared 50 deg. >> Moderate shear.

**53.70 54.70 T1A Pillow Basalt green FG**  
 53.7 - 54.7: Competent, green, pillow basalt.

<<Min: 54.66 - 54.76 1% pyrite>>  
 <<Struc: 54.66 - 54.7 moderate fault 70 deg. >>

**54.70 55.78 T2 Basalt - Altered beige FG**  
 54.7 - 55.78: Competent, beige, altered basalt. Weak AK and moderate clay alteration, with a faulted upper contact.

<<Alt: 54.7 - 55.78 moderate Clay>>  
 <<Alt: 54.7 - 55.78 weak Ankerite>>  
 <<Vein: 55.75 - 55.8 Quartz 48 deg. >>

**55.78 64.90 T1A Pillow Basalt green FG**  
 55.78 - 64.9: Competent, green, pillow basalt.

**64.90 69.56 T2 Basalt - Altered light grey FMG**  
 64.9 - 69.56: Competent, light grey, altered basalt. Moderate AK alteration. PY, AS, and CP present near lower contact with QZ vein.

<<Min: 68.2 - 69.56 1% pyrite>> fgr to cgr blebs and hedrons.  
 <<Min: 69.4 - 69.56 1% arsenopyrite>> fgr to mgr blebs and hedrons.  
 <<Alt: 64.9 - 69.56 moderate Ankerite>>

**69.56 70.60 T5 Quartz Vein white FCG**  
 69.56 - 70.6: Competent, sheared QZ vein.

<<Min: 69.56 - 69.58 0.05% chalcopryrite>>  
 <<Vein: 69.56 - 70.6 Quartz 30 deg. >> Sheared QZ vein. Unmineralized, but mineralization associated with margins.

**70.60 72.85 T2 Basalt - Altered light grey FG**  
 70.6 - 72.85: Competent, light grey, altered basalt. Moderate AK alteration, with PY and AS near upper contact with QZ vein.

<<Min: 70.6 - 70.7 2% arsenopyrite>>  
 <<Min: 70.6 - 70.9 2% pyrite>>  
 <<Alt: 70.6 - 72.85 moderate Ankerite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
54.38	55.75	1.37	G278651	-0.005	17	85	102	2
64.90	66.75	1.85	G278652	0.005	-2	64	84	3
66.75	67.90	1.15	G278653	0.012	21	58	83	3
67.90	69.56	1.66	G278654	0.571	2100	52	54	4
69.56	70.60	1.04	G278655	0.624	524	40	9	-2
70.60	71.10	0.50	G278656	0.863	3350	46	58	2
71.10	72.85	1.75	G278657	-0.005	29	86	84	2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-30

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>72.85</b>	<b>81.20</b>	<b>T1A Pillow Basalt</b>									
72.85 - 81.2: Competent, green, pillow basalt.											
<b>81.20</b>	<b>90.10</b>	<b>T2 Basalt - Altered</b>	81.20	83.00	1.80	G278658	-0.005	82	68	75	2
81.2 - 90.1: Competent but highly fractured, light grey, altered basalt. Moderately AK altered with crackle breccia texture. Unit centered on faulted and mineralized area with a few QZ veins.											
<<Min: 88.3 - 89.5 5% pyrite>> fgr to cgr blebs and hedrons and large aggregates.			83.00	85.00	2.00	G278659	0.009	188	74	73	-2
<<Alt: 81.2 - 90.1 moderate Ankerite>>			85.00	85.80	0.80	G278661	-0.005	84	75	73	-2
<<Vein: 86.32 - 86.37 Quartz 30 deg. >>			85.80	87.80	2.00	G278662	0.031	209	52	69	-2
<<Vein: 86.8 - 86.86 Quartz 32 deg. >>			87.80	88.50	0.70	G278663	0.318	233	49	65	2
<<Vein: 88.98 - 89.02 Quartz>>			88.50	89.60	1.10	G278664	1.48	780	27	29	2
<<Vein: 89.5 - 89.6 Quartz 60 deg. >>			89.60	90.10	0.50	G278665	0.005	39	72	90	2
<<Struc: 81.2 - 86.3 moderate fault 40 deg. >> Faulted and mineralized area.											
<<Struc: 86.39 - 86.45 moderate Sheared 50 deg. >>											
<<Struc: 88.5 - 89.5 moderate fault 20 deg. >>											
<b>90.10</b>	<b>104.80</b>	<b>T1A Pillow Basalt</b>									
90.1 - 104.8: Competent, green, pillow basalt.											
<<Vein: 90.85 - 91.02 Quartz 15 deg. >>											
<b>104.80</b>	<b>108.47</b>	<b>T2 Basalt - Altered</b>	104.80	106.20	1.40	G278666	0.009	6	69	83	-2
104.8 - 108.47: Competent, light grey, altered basalt. Weak AK alteration.											
<<Alt: 104.8 - 108.42 weak Ankerite>>			106.20	107.70	1.50	G278667	0.043	20	69	86	2
<<Vein: 108.09 - 108.15 Quartz-Ankerite 32 deg. >> Sheared and brecciated QZ-AK vein.			107.70	108.47	0.77	G278668	0.058	73	61	80	2
<<Struc: 108 - 108.2 weak Sheared 30 deg. >>											
<b>108.47</b>	<b>110.02</b>	<b>T1A Pillow Basalt</b>									
108.47 - 110.02: Competent, green, pillow basalt.											
<b>110.02</b>	<b>114.50</b>	<b>T2 Basalt - Altered</b>	110.02	112.00	1.98	G278669	0.438	102	89	124	4
110.02 - 114.5: Competent, beige, altered basalt. Moderately AK altered with crackle breccia texture. Centered on faulted area with sheared QZ-AK vein.											
<<Min: 112.95 - 114.06 4% pyrite>> fgr to mgr blebs and hedrons.			112.00	112.95	0.95	G278671	0.005	5	89	99	3
<<Min: 114.06 - 114.5 10% pyrite>> fgr to cgr blebs and hedrons.			112.95	113.92	0.97	G278672	0.553	592	53	71	3
<<Alt: 110.02 - 112.6 moderate Clay>>			113.92	114.50	0.58	G278673	1.395	1680	14	33	2
<<Alt: 110.02 - 114.5 moderate Ankerite>>											



# Drill Log

Project:

Cassiar

Hole Number:

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From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Vein: 111.85 - 112.12 Quartz-Ankerite 15 deg. >> Sheared QZ-AK vein. <<Struc: 110.55 - 111.4 moderate fault 40 deg. >>											
<b>114.50</b>	<b>115.05</b>	<b>T5 Quartz Vein</b>	<b>white</b>	<b>FCG</b>							
114.5 - 115.05: Competent, sheared QZ vein.											
<<Vein: 114.5 - 115.05 Quartz 25 deg. >> Sheared milky QZ vein at center of altered and mineralized zone.											
<b>115.05</b>	<b>123.52</b>	<b>T2 Basalt - Altered</b>	<b>medium grey</b>	<b>FG</b>							
115.05 - 123.52: Competent, medium grey, altered basalt. Moderately AK altered and mineralized near upper contact with QZ vein where unit displays crackle breccia texture.											
<<Min: 115.05 - 116 6% pyrite>> fgr to cgr blebs and hedrons. <<Min: 116 - 117.3 3% pyrite>> Finely disseminated. <<Alt: 115.05 - 123.52 moderate Ankerite>>											
<<Struc: 121.8 - 129.3 weak Sheared 70 deg. >> Weakly sheared interval with a number of small AK veins.											
<b>123.52</b>	<b>130.20</b>	<b>T1A Pillow Basalt</b>	<b>green</b>	<b>FMG</b>							
123.52 - 130.2: Competent, green, pillow basalt.											
<b>130.20</b>	<b>132.10</b>	<b>T2 Basalt - Altered</b>	<b>light grey</b>	<b>FG</b>							
130.2 - 132.1: Competent, light grey, altered basalt. Weak AK and clay alteration with small shear.											
<<Min: 130.76 - 131.2 4% pyrite>> fgr to cgr blebs and hedrons. <<Alt: 130.2 - 131.2 weak Clay>> <<Alt: 130.2 - 131.2 weak Ankerite>>											
<<Vein: 130.76 - 131.05 Quartz-Ankerite 15 deg. >> <<Struc: 130.76 - 131.3 weak Sheared 40 deg. >> Weak shear.											
<b>132.10</b>	<b>162.12</b>	<b>T1A Pillow Basalt</b>	<b>green</b>	<b>FMG</b>							
132.1 - 162.12: Competent, green, pillow basalt. Two intervals which are weakly clay altered, with two small shears. One shear includes a QZ vein which contains conspicuous red patches, possibly jasper being overprinted by QZ. Contains a number of pointless calcite veins.											
<<Alt: 141 - 141.2 moderate Clay>> <<Alt: 143.71 - 144.3 moderate Clay>> <<Alt: 159.3 - 160.45 moderate Clay>>											
<<Vein: 149.24 - 149.52 Quartz 32 deg. >> Weakly sheared milky QZ vein with red patches (overprinted jasper?). <<Vein: 161.7 - 161.98 Quartz-Ankerite 8 deg. >> Extensional QZ-AK vein. <<Struc: 143.71 - 144.3 weak Sheared 35 deg. >> Weak shear with central calcite vein.											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-30

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
162.12	163.80	1.68	G278685	0.238	109	71	71	-2

<<Struc: 161.5 - 161.98 weak Sheared 50 deg. >> Weak shear.

**162.12 163.80 T2 Basalt - Altered beige FG**

162.12 - 163.8: Competent, beige, altered basalt. Moderate AK alteration, with lower half of unit strongly faulted and flooded by silica with a number of small AK veins. Best candidate for Taurus Thrust.

<<Alt: 162.12 - 163.8 moderate Ankerite>>

<<Alt: 163.1 - 163.8 strong Silicification >> Strong silicification in faulted zone, likely sheared QZ veins intermixed with breccia clasts.

<<Vein: 163.6 - 163.75 Quartz-Ankerite 30 deg. >>

<<Struc: 163.1 - 163.8 strong fault>> Brecciated and silicified area ending in small, strong shear. Likely Taurus Thrust.

<<Struc: 163.5 - 163.8 strong Sheared 30 deg. >> Strong shear in brecciated and silicified area.

**163.80 185.47 T1A Pillow Basalt green FG**

163.8 - 185.47: Competent, green, pillow basalt. Moderate, patchy epidote alteration in inter-pillow areas.

<<Alt: 165.04 - 167.1 weak Clay>>

<<Alt: 170.9 - 185.47 moderate Epidote>>

**185.47 193.47 T1F Magnetic/Jasper Pillow Basalt grey-green FG**

185.47 - 193.47: Competent, dark grey-green, pillow basalt. Strong, patchy magnetism, with inter-pillow jasper patches.

<<Vein: 186.66 - 186.79 Ankerite 24 deg. >>

**193.47 194.50 T2 Basalt - Altered light grey FG**

193.47 - 194.5: Competent, light grey, altered basalt. Strongly sheared, possibly offspaly of Taurus Thrust. Moderate AK and weak clay alteration, with sheared QZ-AK veins and minor PY.

<<Min: 193.47 - 194.5 0.5% pyrite>>

<<Alt: 193.47 - 193.8 weak Clay>>

<<Alt: 193.47 - 194.5 moderate Ankerite>>

<<Vein: 193.47 - 193.81 Quartz-Ankerite 40 deg. >> Sheared QZ-AK vein in small interval of strongly sheared, altered basalt.

<<Struc: 193.47 - 194.5 strong Sheared 35 deg. >>

**194.50 216.10 T1F Magnetic/Jasper Pillow Basalt black FG**

194.5 - 216.1: Competent, black, pillow basalt. Strongly magnetic with inter-pillow jasper patches.

<<Vein: 212.83 - 212.96 Quartz-Ankerite>> Small area of QZ-AK veining, likely inter-pillow area that has been flooded and not true vein.

<<Struc: 206.6 - 207.7 moderate fault>> Fault centered on small AK-altered basalt patch with AK vein.

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-30**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>End of Hole @ 216.1</b>											

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-31

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	02/08/2012
UTM Easting:	460175.43	Core Size:	NQ	Azimuth:	20	Date Completed:	02/08/2012
UTM Northing:	6570331.58	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1077.263	Casing Depth (m):	7.62	Length (m):	115.52	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	01/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	02/08/2012
Local Elev. (m):							

**Comments:**

Proposed name propTRS-BC. Designed to test for NW-trending shear veins north of known structures in Sable Zone and to test Plaza-Sable Gap. Only notable mineralization occurs from 37-49 m, where PY is present in areas of sheared QZ veining. Strongly sheared area from 78-79 m with large intervals of broken and sheared sediments on both sides is good candidate for Taurus Thrust.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
8.84	-45.1	3.8	24.5	28.3	ReflexEZS		08/02/2012	5824	<input checked="" type="checkbox"/>	
57.61	-45.6	2.9	24.5	27.4	ReflexEZS		08/02/2012	5721	<input checked="" type="checkbox"/>	
109.42	-44.8	6	24.5	30.5	ReflexEZS		08/02/2012	5718	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
<b>0.00</b>	<b>5.00</b>	<b>OVB Overburden</b>									
<b>5.00</b>	<b>5.50</b>	<b>T5 Quartz Vein</b>	<b>white</b>	<b>FCG</b>	1.00	G278687	1.92	938	19	30	2
5 - 5.5: Competent, sheared milky QZ vein. Contains fragments of wall rock and leached PY aggregates near margins.											
<<Vein: 5 - 5.5 Quartz>> Sheared milky QZ vein at top of bedrock.											
<b>5.50</b>	<b>13.10</b>	<b>T2 Basalt - Altered</b>	<b>buff</b>	<b>FG</b>	2.00	G278688	0.013	143	58	115	-2
5.5 - 13.1: Broken, partially oxidized, altered basalt. Disseminated PY near upper contact with QZ vein.											
<<Min: 5.5 - 6 4% pyrite>> fgr to cgr blebs and hedrons.											
<<Min: 9 - 10.4 3% pyrite>> fgr to cgr blebs and hedrons.											
<<Alt: 5.5 - 13.1 moderate Ankerite>>											
<<Vein: 9.75 - 9.9 Quartz>> Partially broken sheared milky QZ vein with PY aggregates.											
<b>13.10</b>	<b>24.58</b>	<b>T2 Basalt - Altered</b>	<b>medium grey</b>	<b>FG</b>	1.84	G278694	-0.005	67	67	127	-2
13.1 - 24.58: Competent, but fractured, medium-grey altered basalt. Partially oxidized on fracture surfaces, with weak AK alteration. Weakly sheared towards lower contact with patches of brecciated host rock and patches of broken QZ veins.											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-31

From (m) To (m) Rocktype & Description

<<Min: 20.38 - 24.58 0.4% pyrite>>  
 <<Alt: 13.1 - 24.58 weak Ankerite>>  
 <<Vein: 17.22 - 17.3 Quartz 45 deg. >> Sheared milky QZ vein with PY on margins.  
 <<Vein: 18.8 - 18.9 Quartz 28 deg. >>  
 <<Struc: 20.38 - 24.58 weak Sheared 30 deg. >> Weak shearing.

**24.58 39.50 T2 Basalt - Altered light grey FG**

24.58 - 39.5: Competent, light grey, altered basalt. Moderate AK alteration with patches of crackle breccia texture and some QZ veining.

<<Min: 36.62 - 37.8 8% pyrite>> fgr to cgr blebs and hedrons.  
 <<Min: 39 - 39.5 3% pyrite>> fgr to cgr blebs and hedrons.  
 <<Vein: 32.2 - 32.28 Quartz 42 deg. >>  
 <<Vein: 36.2 - 36.27 Quartz 40 deg. >>  
 <<Vein: 36.81 - 36.93 Quartz 55 deg. >>  
 <<Vein: 37.15 - 37.3 Quartz 40 deg. >>  
 <<Struc: 36.62 - 37.8 strong fault>> Brecciated and clay-altered area with PY stringers and broken QZ veins.

**39.50 40.05 T5 Quartz Vein white FCG**

39.5 - 40.05: Competent, sheared QZ vein with PY.

<<Min: 39.5 - 40.05 1% pyrite>>  
 <<Vein: 39.5 - 40.05 Quartz 35 deg. >>

**40.05 48.12 T2 Basalt - Altered light grey FG**

40.05 - 48.12: Competent, light grey, altered basalt. Weak AK alteration, with minor PY related to weak shearing.

<<Min: 40.05 - 40.5 3% pyrite>> fgr to cgr blebs and hedrons.  
 <<Min: 43.9 - 43.93 7% pyrite>>  
 <<Min: 47.83 - 48.12 5% pyrite>> fgr to mgr blebs and hedrons.  
 <<Alt: 40.05 - 48.12 weak Ankerite>>  
 <<Struc: 43.9 - 43.93 weak Sheared>> Weak shear with PY.

**48.12 48.70 T5 Quartz Vein white FCG**

48.12 - 48.7: Competent, sheared milky QZ vein. Faulted with about 3% PY as aggregates.

<<Min: 48.12 - 48.7 3% pyrite>>  
 <<Vein: 48.12 - 48.7 Quartz 40 deg. >> Sheared milky QZ vein with PY.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
14.94	16.90	1.96	G278695	-0.005	50	70	102	-2
16.90	18.75	1.85	G278696	0.348	192	54	103	2
18.75	20.38	1.63	G278697	0.044	51	71	98	-2
20.38	22.34	1.96	G278698	-0.005	10	65	123	-2
22.34	24.08	1.74	G278699	-0.005	20	56	108	-2
24.08	26.00	1.92	G278701	-0.005	57	75	99	-2
26.00	27.80	1.80	G278702	0.037	78	82	116	-2

27.80	29.80	2.00	G278703	-0.005	19	57	126	-2
29.80	31.80	2.00	G278704	0.048	89	61	111	2
31.80	32.57	0.77	G278705	0.653	340	51	77	-2
32.57	34.50	1.93	G278706	0.054	145	45	106	-2
34.50	36.00	1.50	G278707	0.045	180	69	102	2
36.00	36.62	0.62	G278708	0.057	136	56	122	-2
36.62	37.80	1.18	G278709	1.555	922	31	69	2
37.80	39.50	1.70	G278711	0.165	136	66	116	3
39.50	40.05	0.55	G278712	0.745	41	3	26	-2

40.05	42.00	1.95	G278713	0.207	109	54	143	3
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42.00	43.90	1.90	G278714	-0.005	12	44	143	-2
43.90	45.42	1.52	G278715	-0.005	18	71	144	-2
45.42	47.30	1.88	G278716	-0.005	52	58	121	-2
47.30	48.12	0.82	G278717	1.445	231	68	73	-2

48.12	48.70	0.58	G278718	0.393	360	2	16	-2
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-31

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
48.70	49.40	0.70	G278719	0.797	277	53	88	-2
49.40	51.15	1.75	G278721	0.049	99	62	103	-2
51.15	53.10	1.95	G278722	0.037	59	71	98	-2
53.10	53.90	0.80	G278723	0.006	25	70	95	-2
53.90	54.25	0.35	G278724	0.207	137	60	101	-2
75.20	76.95	1.75	G278726	-0.005	5	61	60	7
76.95	78.35	1.40	G278727	-0.005	17	33	49	3
78.35	79.75	1.40	G278728	0.018	15	72	40	5
81.60	83.35	1.75	G278729	-0.005	7	68	52	7
83.35	85.04	1.69	G278731	-0.005	-2	95	51	4
85.04	87.00	1.96	G278732	-0.005	9	97	65	3
87.00	88.90	1.90	G278733	-0.005	-2	65	59	5
88.90	90.94	2.04	G278734	0.006	5	79	56	4

<<Struc: 48.12 - 48.22 moderate fault 40 deg. >>

**48.70 54.50 T2 Basalt - Altered light grey FG**

48.7 - 54.5: Competent, light grey, altered basalt. Moderate AK alteration with multiple broken zones and a single strongly faulted area.

<<Min: 48.7 - 49.4 2% pyrite>> fgr to cgr blebs and hedrons.

<<Alt: 48.7 - 54.5 moderate Ankerite>>

<<Struc: 53.9 - 54.56 strong fault 70 deg. >> Brecciated and clay-altered area with PY.

**54.50 64.20 T1A Pillow Basalt green FMG**

54.5 - 64.2: Competent, green, pillow basalt. Broken near upper contact with calcite veins throughout.

<<Struc: 54.5 - 78.35 moderate Sheared 25 deg. >> Moderate shearing throughout chert and argillite, with some interlayering between the two.

**64.20 75.20 5B Chert medium grey VFG**

64.2 - 75.2: Broken, medium-grey chert. Moderately sheared throughout.

**75.20 78.35 5DD Argillite black VFG**

75.2 - 78.35: Largely broken, black argillite. Moderately sheared throughout, with minor PY as isolated patches of small blebs and hedrons.

<<Min: 75.2 - 78.35 0.5% pyrite>> Isolated patches of fgr to mgr blebs and hedrons.

**78.35 79.75 SHZ Shear Zone beige FCG**

78.35 - 79.75: Competent, beige, epically sheared area with sheared QZ veins. Could be mylonitized altered basalt with fragments of QZ veins, but hard to say anything for certain other than it's epically sheared. Good candidate for Taurus Thrust.

<<Vein: 78.35 - 78.65 Quartz 50 deg. >> Sheared QZ vein in strongly sheared area.

<<Vein: 79.26 - 79.4 Quartz 36 deg. >>

<<Struc: 78.35 - 79.75 strong Sheared 30 deg. >>

**79.75 95.75 5DD Argillite black VFG**

79.75 - 95.75: Competent, black argillite. Moderately sheared throughout, with multiple broken and faulted areas and extensional QZ veins. Some intervals of isolated patches of PY.

<<Min: 79.75 - 81.6 0.1% pyrite>>

<<Min: 81.6 - 83.35 1% pyrite>> Isolated patches of fgr to mgr blebs and hedrons.

<<Min: 95 - 97.23 1% pyrite>>

<<Vein: 91.56 - 91.61 Quartz 50 deg. >>

# Drill Log

Project:

Cassiar

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From (m) To (m) Rocktype & Description

<<Vein: 92.25 - 92.5 Quartz>>

<<Struc: 79.75 - 95.75 moderate Sheared 30 deg. >> Moderate shearing throughout argillite, with minor interlayered and sheared chert.

<<Struc: 86.3 - 86.6 vein 40 deg. >> Possibly intermediate or mafic dyke. Light grey, largely unformed in the middle of moderately sheared argillite.

<<Struc: 92.25 - 94.18 moderate fault>>

**95.75 105.50 5B Chert medium grey VFG**

95.75 - 105.5: Semi-competent, medium grey chert. Moderately sheared, and bottom 5 meters are strongly faulted, brecciated, and clay altered.

<<Vein: 98.5 - 99 Quartz 40 deg. >>

<<Vein: 100.66 - 100.86 Quartz 70 deg. >> Extensional milky QZ vein in center of strongly faulted area.

<<Struc: 97.75 - 105.5 moderate Sheared>>

<<Struc: 98.5 - 99.1 moderate fault>>

<<Struc: 100.28 - 105.5 strong fault>>

**105.50 115.52 5DD Argillite black VFG**

105.5 - 115.52: Competent, black argillite.

**End of Hole @ 115.52**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
90.94	92.00	1.06	G278735	-0.005	10	62	59	4
92.00	94.00	2.00	G278736	-0.005	30	61	47	10
94.00	95.75	1.75	G278737	-0.005	11	74	53	5
95.75	97.23	1.48	G278738	-0.005	3	47	40	6
99.60	100.28	0.68	G278739	-0.005	9	49	29	2
100.28	101.40	1.12	G278741	-0.005	15	40	53	-2
101.40	103.33	1.93	G278742	-0.005	5	53	37	2

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-32

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ryan Congdon
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	03/08/2012
UTM Easting	460118.69	Core Size:	NQ	Azimuth:	200	Date Completed:	04/08/2012
UTM Northing:	6570484.94	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1077.435	Casing Depth (m):	1.52	Length (m):	112.67	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title		Drill Started:	02/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	03/08/2012
Local Elev. (m):							

**Comments:**

TA12-32 drilled to the south to test part of the Sable-Plaza drilling gap. Upper 42.7m well altered and pyrite mineralised basalt containing multiple massive quartz veins. Below un-altered basalt dominates with 1-5m altered pyritic mineralised zones. Chert contact at 105m occurs at projected location and is not coincident with major deformation.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
57.6	-43.5	181.7	23.37	205.07	ReflexEZS		03/08/2012	5711	<input checked="" type="checkbox"/>	
106.4	-44.6	184.4	23.37	207.77	ReflexEZS		03/08/2012	5717	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-ICP41	Zn ppm ME-ICP41	Pb ppm ME-
<b>0.00</b>	<b>2.00</b>	<b>OVB Overburden</b>									
<b>2.00</b>	<b>14.75</b>	<b>T2 Basalt - Altered grey FG</b>	2.00	4.00	2.00	G278743	0.033	121	77	93	2
2 - 14.75: Strongly Ankerite altered basalt, patchy Py mineralisation. Decreasing iron oxidation coating fractures downhole.											
<<Min: 2 - 5 0.1% pyrite>>			4.00	5.00	1.00	G278744	0.076	196	69	96	3
<<Min: 5 - 5.4 6% pyrite>>			5.00	5.50	0.50	G278745	4.07	1180	97	72	3
<<Min: 5.4 - 8.4 0.5% pyrite>>			5.50	6.60	1.10	G278746	0.099	212	106	75	3
<<Min: 8.4 - 10.2 6% pyrite>>			6.60	8.40	1.80	G278747	0.018	236	66	87	4
<<Min: 10.2 - 12.6 0.5% pyrite>>			8.40	10.20	1.80	G278748	2.16	648	36	54	3
<<Min: 12.6 - 14.75 5% pyrite>>			10.20	12.20	2.00	G278749	0.088	173	66	93	2
<<Alt: 2 - 3 moderate Iron oxide>>			12.20	12.80	0.60	G278751	1.185	868	56	65	4
<<Alt: 2 - 14.75 strong Ankerite>>			12.80	14.75	1.95	G278752	2.86	1220	13	36	4
<<Alt: 3 - 17.8 weak Iron oxide>>											
<<Vein: 8.95 - 9.15 Quartz 40 deg. >>											
<<Vein: 13.9 - 14.05 Quartz 10 deg. >>											
<<Struc: 5 - 5.01 weak contact 30 deg. >> veining/jnt marking boundary of pyrite min											



# Drill Log

Project:

Cassiar

Hole Number:

TA12-32

From (m) To (m) Rocktype & Description

<<Struc: 8.6 - 8.61 moderate fault 40 deg. >> minor bxd 5mm

<<Struc: 12.4 - 12.6 strong fault 30 deg. >> bxd qcv+t2 and shearing.

**14.75 15.30 T5 Quartz Vein white FCG**

14.75 - 15.3: Upper boundary marked by irregular ext veins and 1-2cm wall rock. Distal uphole ext occur at lower angle tca. Minor irregular stringers of Py material in possible upper shaered section, otherwise bucky white qtz with ext lower contact.

<<Vein: 14.75 - 15.3 Quartz 45 deg. >> ext upper contact, however possible shearing of extensional veining

**15.30 23.30 T2 Basalt - Altered grey FG**

15.3 - 23.3: Multiple thin planar extensional veins (1-3cm)

<<Min: 15.3 - 16.55 6% pyrite>>

<<Min: 16.55 - 21.25 0.5% pyrite>>

<<Min: 21.25 - 23.3 2% pyrite>>

<<Min: 21.6 - 21.65 0.1% tetrahedrite>>

<<Min: 22.35 - 22.45 1% arsenopyrite>>

<<Alt: 15.3 - 16.55 strong Ankerite>>

<<Alt: 16.55 - 21.25 moderate Ankerite>>

<<Alt: 21.25 - 23.3 strong Ankerite>>

<<Vein: 16.3 - 16.31 Quartz 30 deg. >>

<<Vein: 19.6 - 19.62 Quartz 25 deg. >>

<<Vein: 21.6 - 21.7 Quartz 20 deg. >> ext text marked by chlorite. Slight sigmoidal termination to vein.

<<Struc: 22.15 - 22.2 weak Foliated 50 deg. >>

**23.30 23.85 T5 Quartz Vein white FCG**

23.3 - 23.85: Bull white extensional qtz vein, sharp contacts.

<<Vein: 23.3 - 23.85 Quartz 25 deg. >>

**23.85 30.15 T2 Basalt - Altered grey FG**

23.85 - 30.15: Patchy moderate to strong ankerite alteration, weak banding/foliation locally highlighted by ankerite blbby alteration.

<<Min: 23.85 - 24.65 6% pyrite>>

<<Min: 24.65 - 29.6 0.5% pyrite>>

<<Min: 29.6 - 30.15 4% pyrite>>

<<Alt: 23.85 - 24.65 strong Ankerite>>

<<Alt: 24.65 - 27.1 moderate Ankerite>>

<<Alt: 27.1 - 30.15 strong Ankerite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
14.75	15.30	0.55	G278753	0.086	121	4	24	2
15.30	16.60	1.30	G278754	1.525	710	42	58	3
16.60	18.60	2.00	G278755	0.016	82	63	86	2
18.60	20.60	2.00	G278756	0.136	180	48	78	3
20.60	21.30	0.70	G278757	0.032	180	44	88	3
21.30	23.30	2.00	G278758	1.1	3480	46	44	2
23.30	23.85	0.55	G278759	0.019	19	1	2	-2
23.85	24.70	0.85	G278761	0.637	799	29	46	4
24.70	26.70	2.00	G278762	-0.005	48	56	82	3
26.70	28.70	2.00	G278763	0.005	76	53	75	-2
28.70	30.15	1.45	G278764	0.409	281	54	71	3

# Drill Log

Project:

Cassiar

Hole Number:

TA12-32

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Struc: 25.6 - 25.8 weak Foliated 60 deg. >>											
<b>30.15</b>	<b>31.10</b>	<b>T5 Quartz Vein</b>	<b>white</b>			<b>FCG</b>					
30.15 - 31.1: Broken and in parts containing thin (1-2mm) chlorite/.T2 banding, evidence of late faulting in centre of vein, possible shear vein.T2 unit above contains broken angular core pieces near contact. Possible progressive shearing of vein.											
<<Vein: 30.15 - 31.1 Quartz 40 deg. >> Broken vein, minor faulting and weak banding. Possible weakly sheared vein.											
<b>31.10</b>	<b>42.70</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>			<b>FG</b>					
31.1 - 42.7: Patchy weak to moderate ankerite alteration,pyrite mineralisation (3-5%) located associated with qtz veins and upper and lower unit contacts. Localised fractured, broken and clay altered zone.											
<<Min: 31.1 - 32.25 3% pyrite>>											
<<Min: 32.25 - 39.3 0.5% pyrite>>											
<<Min: 39.3 - 39.5 2% pyrite>>											
<<Min: 39.5 - 40.85 0.5% pyrite>>											
<<Min: 40.85 - 42.3 5% pyrite>>											
<<Min: 42.3 - 42.7 10% pyrite>>											
<<Alt: 31.1 - 35.1 strong Ankerite>>											
<<Alt: 35.1 - 38.75 moderate Ankerite>>											
<<Alt: 38.75 - 42.7 strong Ankerite>>											
<<Alt: 39.6 - 41.9 weak Clay>>											
<<Vein: 31.95 - 31.96 Quartz 30 deg. >>											
<<Vein: 33.95 - 34.02 Quartz>>											
<<Vein: 34.7 - 34.73 Quartz 35 deg. >>											
<<Vein: 37.25 - 37.26 Quartz 25 deg. >>											
<<Vein: 40 - 40.15 Quartz>>											
<<Vein: 41.55 - 41.7 Quartz 30 deg. >>											
<<Struc: 39.7 - 41.9 weak fault gouge>> weak frac+clay alt											
<b>42.70</b>	<b>53.75</b>	<b>T1 Basalt</b>	<b>green</b>			<b>FG</b>					
42.7 - 53.75: Un-altered basalt,in parts exhibiting banding and contacts between granular (flow?) and fine grained chloritic zones (1-20cm). Likely volcanoclastic and mafic sediment, rare angular basalt fragments in fine chloritic zones.											
<<Min: 42.7 - 54.3 0.1% pyrite>>											
<<Struc: 46.7 - 46.71 weak contact 30 deg. >> fg chloritic zone to granular mafic.											
<<Struc: 47.95 - 48 weak Bedded 50 deg. >>											
<b>53.75</b>	<b>54.55</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>			<b>FG</b>					
<<Min: 54.3 - 54.55 2% pyrite>>											
30.15	31.10			0.95		G278765	0.395	111	1	3	-2
31.10	32.30			1.20		G278766	0.794	640	49	57	3
32.30	34.30			2.00		G278767	0.058	100	57	84	-2
34.30	35.10			0.80		G278768	0.684	768	30	61	3
35.10	37.00			1.90		G278769	0.027	76	51	89	3
37.00	39.00			2.00		G278771	0.009	38	54	89	2
39.00	40.00			1.00		G278772	0.333	123	54	86	4
40.00	40.80			0.80		G278773	0.019	120	43	68	2
40.80	42.30			1.50		G278774	1.81	4630	29	30	3
42.30	42.70			0.40		G278776	3.59	2030	52	64	8
42.70	44.00			1.30		G278777	0.005	34	66	114	5
44.00	45.90			1.90		G278778	0.008	16	65	110	3
52.00	53.75			1.75		G278779	-0.005	41	73	112	-2
53.75	54.30			0.55		G278781	0.017	393	69	98	-2
54.30	54.55			0.25		G278782	0.871	6090	48	51	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-32

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Alt: 53.75 - 54.55 strong Ankerite>> <b>54.55 55.00 T5 Quartz Vein</b> <b>white</b> <b>FCG</b>											
54.55 - 55: White extensional bull quartz											
<<Vein: 54.55 - 55 Quartz 40 deg. >> lower contact 70 deg tca <b>55.00 57.90 T2 Basalt - Altered</b> <b>grey</b> <b>FG</b>											
55 - 57.9: Pyrite (5%) mineralised T2, sharp faulted lower contact to T1.											
<<Min: 55 - 57.9 5% pyrite>> also fine grained disseminated Py. <<Min: 57.88 - 57.9 1% arsenopyrite>> <<Alt: 55 - 57.9 strong Ankerite>> <<Vein: 56.8 - 56.81 Quartz 35 deg. >> <b>57.90 60.50 T1 Basalt</b> <b>green</b> <b>FG</b>											
57.9 - 60.5: Green chloritic granular T1. Minor qtz-calcite veining. Sharp faulted lower contact to mafic unit below.											
<<Alt: 57.9 - 60.5 weak Calcite>> <<Struc: 57.9 - 57.901 moderate fault 60 deg. >> <b>60.50 70.25 T1 Basalt</b> <b>green</b> <b>FG</b>											
60.5 - 70.25: Green chloritic banded unit. 5-30cm zones of strong light and dark green 1-5mm undulating bands. Locally chert bands/pods occur within bands. Upper 1m to sharp upper contact shows weak original breccia. Entire unit contains weak foliation and likely ductile deformation accommodated in possible mafic interflow tuffaceous material.											
<<Struc: 60.5 - 60.501 moderate fault 55 deg. >> <<Struc: 60.7 - 60.705 weak fault 18 deg. >> hematite calcite shear fault <<Struc: 62.6 - 62.7 moderate Bedded 35 deg. >> <<Struc: 66.2 - 66.3 moderate Bedded 35 deg. >> <<Struc: 67.9 - 68 moderate Bedded 35 deg. >> <b>70.25 70.50 SHZ Shear Zone</b> <b>green-brown</b> <b>FG</b>											
70.25 - 70.5: Strongly clay altered/fault gouge, slip planes evident in hematite and chloritic material.											
<<Alt: 70.25 - 70.5 weak Haematite - earthy>> <<Alt: 70.25 - 70.85 moderate Clay>> <b>70.50 70.85 T2 Basalt - Altered</b> <b>grey-green</b> <b>FG</b>											
70.5 - 70.85: Weakly altered basalt.											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-32

From (m) To (m) Rocktype & Description

**70.85 71.15 T5 Quartz Vein white FCG**

70.85 - 71.15: Likely extensional vein, white except for minor chlorite stringers. Faulted upper and lower contacts. Minor (0.1%) Py clusters (3mm).

<<Vein: 70.85 - 71.15 Quartz 55 deg. >>

**71.15 75.20 T2 Basalt - Altered grey FG**

71.15 - 75.2: Moderately pyrite (7%) mineralised unit. Gradational lower alteration boundary.

<<Min: 71.15 - 74.75 7% pyrite>>

<<Alt: 71.15 - 75.2 strong Ankerite>>

<<Vein: 72.95 - 72.97 Quartz 25 deg. >>

<<Vein: 73.7 - 73.87 Quartz 20 deg. >>

<<Vein: 73.9 - 74 Quartz>> faulted contacts

<<Vein: 74.35 - 74.37 Quartz 50 deg. >> contact lined by euhedral pyrite.

**75.20 84.15 T1A Pillow Basalt green FG**

75.2 - 84.15: Granular basalt flow featuring 5-50cm broken core zones.

<<Alt: 78.9 - 79.15 weak Clay>> frac/cal vein bounded.

<<Alt: 84.05 - 84.3 weak Haematite - earthy>>

<<Vein: 78.9 - 78.91 Calcite 10 deg. >>

<<Struc: 82.95 - 82.951 weak fault 40 deg. >> Thin carbonate chlorite fault.

**84.15 85.30 T2 Basalt - Altered grey FG**

84.15 - 85.3: Weak to moderate ankerite and clay altered zone with gradual boundaries. Upper contact features weak hematite/biotite alteration fronts.

<<Alt: 84.15 - 85.3 moderate Ankerite>>

<<Vein: 84.98 - 85 Quartz 15 deg. >> quartz vein with calcite veining forming on lower boundary.

<<Struc: 84.4 - 84.5 weak Foliated 55 deg. >>

**85.30 92.80 T1A Pillow Basalt green FG**

85.3 - 92.8: Moderate erratic 1-2cm qtz-calcite veining throughout.

<<Struc: 92.15 - 92.25 moderate fault 45 deg. >> faulted +sheared qtz-calcite veining.

**92.80 98.80 T2 Basalt - Altered grey FG**

92.8 - 98.8: Gradual grey with purple tinge alteration boundaries, alteration seems to propogate from 15cm calcite breccia in centre of unit.

<<Min: 98.25 - 98.35 0.5% pyrite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
70.85	71.15	0.30	G278793	0.522	249	16	9	-2
71.15	72.50	1.35	G278794	2.02	1250	59	95	-2
72.50	74.00	1.50	G278795	2.89	1405	29	32	-2
74.00	75.20	1.20	G278796	1.305	813	74	89	-2
75.20	77.15	1.95	G278797	0.012	16	70	115	-2
82.20	84.15	1.95	G278798	-0.005	3	30	99	-2
84.15	85.30	1.15	G278799	0.01	6	79	100	-2
85.30	87.00	1.70	G278801	-0.005	3	47	108	-2
95.80	97.80	2.00	G278802	0.005	6	79	107	-2
97.80	98.80	1.00	G278803	0.007	19	71	135	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-32

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Alt: 97.8 - 98.8 weak Clay>> <<Alt: 97.8 - 98.8 moderate Ankerite>> <<Vein: 95.96 - 96 Quartz 40 deg. >> <<Struc: 98.3 - 98.45 strong fault breccia 25 deg. >> calcite veining with abundant T2 breccia clasts.											
<b>98.80</b>	<b>105.00</b>	<b>T1A Pillow Basalt</b>									
98.8 - 105: Minor irregular brittle calcite veining (2-5mm). Lower contact to chert sharp with <1cm fault plane.											
<b>105.00</b>	<b>112.67</b>	<b>5B Chert</b>									
105 - 112.67: Grey chert, angular broken core locally. Mo).5-5cm bands and beds, becoming darker and more 'dirty' (argillitic) at 111.4m  <<Min: 105 - 112.67 0.1% pyrite>> <<Struc: 105 - 105.01 moderate fault 42 deg. >> Thin clip plane marking contact to chert unit. Moderate brecciation on chert unit immediately below. <<Struc: 106.7 - 106.8 moderate Bedded 30 deg. >> <<Struc: 108.5 - 108.5 moderate Bedded 45 deg. >>											
<b>End of Hole @ 112.67</b>											

98.80	100.00	1.20	G278804	-0.005	2	59	116	-2
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103.00	105.00	2.00	G278805	-0.005	2	77	114	-2
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105.00	107.00	2.00	G278806	-0.005	9	53	34	3
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# Drill Log

**Project:** Cassiar **Hole Number:** TA12-33

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ryan Congdon
Grid:		Hole Diameter:		Survey By:		Date Started:	04/08/2012
UTM Easting	460118.36	Core Size:	NQ	Azimuth:	0	Date Completed:	05/08/2012
UTM Northing:	6570459.85	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1073.19	Casing Depth (m):	3.05	Length (m):	109.42	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title		Drill Started:	03/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	04/08/2012
Local Elev. (m):							

**Comments:**

TA12-33 from proposed hole TRS-BB, was drilled in the Plaza-Taurus drilling gap. A classic 'Canadian Scissor' drill design was brought into effect with hole TA12-32, enabling coverage of untested ground and aiding mineralised structure orientation interp. Drilling intersected mafic and ankerite altered & pyrite mineralised mafic units to a depth of 108.1m when chert was encountered.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
14.9	-43.3	333.8	23.37	357.17	ReflexEZS		04/08/2012	5766	<input checked="" type="checkbox"/>	
57.6	-44.7	333.4	23.37	356.77	ReflexEZS		04/08/2012	5702	<input checked="" type="checkbox"/>	
100.3	-45.4	335.5	23.37	358.87	ReflexEZS		04/08/2012	5728	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME- ICP41	Zn ppm ME- ICP41	Pb ppm ME-
<b>0.00</b>	<b>3.05</b>	<b>OVB Overburden</b>									
<b>3.05</b>	<b>3.50</b>	<b>T1 Basalt</b>	<b>green</b>	<b>FG</b>							
3.05 - 3.5: Chloritic banded mafic unit. (low possibility it is still ovb boulder).											
<b>3.50</b>	<b>8.30</b>	<b>T2 Basalt - Altered</b>	<b>grey-brown</b>	<b>FG</b>	3.50	5.60	2.10	G278807	0.131	216	72 127 2
3.5 - 8.3: Upper 2m of unit contains patchy limonite and clay alteration propogating from fractures.											
<<Min: 5.6 - 6.6 2% pyrite>>											
<<Min: 6.6 - 8 0.5% pyrite>>											
<<Min: 8 - 8.3 2% pyrite>>											
<<Alt: 3.5 - 8.3 strong Ankerite>>											
<<Alt: 4 - 5.8 moderate Iron oxide>>											
<<Alt: 4 - 5.8 weak Clay>>											
<<Alt: 5.8 - 15.35 moderate Iron oxide>>											
<<Struc: 3.8 - 3.9 weak Foliated 40 deg. >>											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-33

From (m) To (m) Rocktype & Description

**8.30 9.20 T5 Quartz Vein white FCG**

8.3 - 9.2: White bull quartz, iron oxide coating fractures. Vein lacks shear texture but is broken in parts and contains 5cm T2 xenolith at 8.6m containing weak As and TT mineralisation.

<<Min: 8.3 - 13.65 0.5% pyrite>>

<<Min: 8.55 - 8.65 0.5% tetrahedrite>>

<<Min: 8.55 - 8.65 0.5% arsenopyrite>> within T2 xenolith

<<Vein: 8.3 - 9.2 Quartz 35 deg. >>

**9.20 15.35 T2 Basalt - Altered grey FG**

9.2 - 15.35: Pyrite mineralisation (7%) associated with lower quartz contact and related 5-15cm extensional veins. Spun rubbly core occurs from 9.3-10.9m.

<<Min: 13.65 - 15.35 7% pyrite>>

<<Min: 14.7 - 16.05 0.5% arsenopyrite>>

<<Alt: 9.2 - 11.4 strong Ankerite>>

<<Alt: 11.4 - 13.65 moderate Ankerite>>

<<Alt: 13.65 - 15.35 strong Ankerite>>

<<Vein: 14.4 - 14.55 Quartz>>

<<Struc: 14.7 - 15.35 weak Foliated 35 deg. >> weak banding

**15.35 15.75 T5 Quartz Vein white FCG**

15.35 - 15.75: White bull quartz, lower contact shows fibrous growth, upper contact weakly banded with minor pyrite.

<<Vein: 15.35 - 15.75 Quartz 25 deg. >>

**15.75 31.55 T2 Basalt - Altered grey FG**

15.75 - 31.55: Patchy euhedral disseminated Py (4-8%) and minor 1-10cm extensional quartz veining. Gradational lower alteration contact.

<<Min: 15.75 - 16.65 7% pyrite>>

<<Min: 16.65 - 20.95 0.5% pyrite>>

<<Min: 20.95 - 22.15 7% pyrite>> medium grained disseminated py

<<Min: 22.15 - 26.8 0.5% pyrite>>

<<Min: 26.8 - 28.25 6% pyrite>> fine to coarsely disseminated.

<<Min: 28.25 - 50.2 0.1% pyrite>>

<<Alt: 15.75 - 28.25 strong Ankerite>>

<<Alt: 28.25 - 31.55 moderate Ankerite>>

<<Vein: 16.05 - 16.15 Quartz 60 deg. >>

<<Vein: 20.6 - 20.65 Quartz 50 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
8.30	9.20	0.90	G278811	0.282	817	4	12	-2

9.20	11.20	2.00	G278812	0.11	128	42	84	-2
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11.20	12.50	1.30	G278813	-0.005	39	68	83	-2
12.50	13.65	1.15	G278814	-0.005	46	63	80	-2
13.65	14.70	1.05	G278815	0.687	904	45	53	-2
14.70	15.35	0.65	G278816	2.19	4430	13	25	-2

15.35	15.75	0.40	G278817	0.068	79	2	4	-2
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15.75	16.65	0.90	G278818	2.15	1495	30	35	-2
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16.65	18.65	2.00	G278819	0.01	83	62	80	-2
18.65	20.65	2.00	G278821	0.011	91	59	89	-2
20.65	22.15	1.50	G278822	1.155	868	52	55	-2
22.15	24.00	1.85	G278823	0.146	182	49	71	-2
24.00	26.00	2.00	G278824	0.011	41	63	88	-2
26.00	26.80	0.80	G278826	0.036	70	49	80	-2
26.80	28.30	1.50	G278827	0.82	853	26	48	-2
28.30	30.00	1.70	G278828	0.008	117	70	80	-2
30.00	31.55	1.55	G278829	0.026	238	64	98	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-33

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-				
<<Vein: 21.1 - 21.12		Quartz 50 deg. >>													
<<Vein: 21.95 - 21.97		Quartz 60 deg. >>													
<<Vein: 22.75 - 22.78		Quartz 60 deg. >>													
<<Vein: 24.5 - 24.51		Quartz 50 deg. >> multiple sub-para veinlets, minor carbonate component.													
<<Vein: 27.85 - 27.89		Quartz 60 deg. >>													
<<Struc: 17 - 17.4		weak Foliated 25 deg. >> lithological banding and weak thin veining.													
<<Struc: 23.25 - 23.35		strong fault breccia 50 deg. >> T2 breccia, carbonate infill.													
<<Struc: 30.45 - 30.46		weak fault 40 deg. >> minor slip plane.													
<b>31.55</b>	<b>49.20</b>	<b>T1 Basalt</b>	<b>green</b>			<b>FG</b>	31.55	33.00	1.45	G278831	-0.005	52	63	96	-2
31.55 - 49.2: Granular basalt, minor thin (1-5mm) quartz-calcite irregular veining. Chloritic 5-50cm fine grained massive zones locally with sharp contacts to surrounding basalt.															
							33.00	35.00	2.00	G278832	-0.005	31	68	91	-2
							46.50	48.50	2.00	G278833	-0.005	2	67	116	-2
							48.50	50.20	1.70	G278834	-0.005	3	67	115	-2
							50.20	51.10	0.90	G278835	1.825	878	57	75	-2
<b>49.20</b>	<b>51.10</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>			<b>FG</b>									
49.2 - 51.1: Banded Py (7%) mineralised T2. Broken altered and un-altered angular core marks upper contact															
<<Min: 50.2 - 51.2		7% pyrite>>													
<<Alt: 50.2 - 51.1		strong Ankerite>>													
<<Struc: 49.4 - 49.5		strong Foliated 25 deg. >>													
<b>51.10</b>	<b>51.50</b>	<b>T5 Quartz Vein</b>	<b>white</b>			<b>FCG</b>	51.10	51.50	0.40	G278836	1.585	6920	14	15	2
51.1 - 51.5: White extensional quartz vein, weak dark (sulphide) bands. Upper contact includes 7cm intense breccia containing 1-5mm qtz-T2 fragments and Py.															
<<Vein: 51.2 - 51.5		Quartz 35 deg. >>													
<<Struc: 51.1 - 51.2		strong fault breccia 70 deg. >> strong pyrite quartz breccia at start of T5													
<b>51.50</b>	<b>51.80</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>			<b>FG</b>	51.50	51.80	0.30	G278837	1.335	1300	38	52	-2
51.5 - 51.8: Pyritic T2 following quartz vein, features abrupt undulating boundary.															
<<Min: 51.5 - 51.8		7% pyrite>>													
<<Alt: 51.5 - 51.8		strong Ankerite>>													
<b>51.80</b>	<b>56.15</b>	<b>T1 Basalt</b>	<b>green</b>			<b>FMG</b>	51.80	53.80	2.00	G278838	-0.005	29	69	113	-2
51.8 - 56.15: Green granular mafic unit, weakly foliated locally.															
<<Min: 51.8 - 67.75		0.5% pyrite>>													
							53.80	55.00	1.20	G278839	-0.005	6	63	110	-2
							55.00	56.15	1.15	G278841	-0.005	7	58	127	-2



# Drill Log

Project:

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From (m)	To (m)	Rocktype & Description		
<b>56.15</b>	<b>56.95</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>	<b>FG</b>
56.15 - 56.95: Weakly mineralised moderately altered T2. Multiple thin (3mm) qtz veins, also marking extent of alteration.				
<<Alt: 56.15 - 56.95 strong Ankerite>>				
<<Vein: 56.9 - 56.91 Quartz 50 deg. >> Also acting as alteration 'dam'. Sub-para to other veins.				
<<Struc: 56.4 - 56.42 moderate fault 40 deg. >>				
<b>56.95</b>	<b>67.75</b>	<b>T1A Pillow Basalt</b>	<b>green</b>	<b>FMG</b>
56.95 - 67.75: continuation of mafic unit with possible pillow textures. Weak foliation locally.				
<<Struc: 57.3 - 57.4 weak Foliated 35 deg. >>				
<b>67.75</b>	<b>72.65</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>	<b>FG</b>
67.75 - 72.65: Patchy ankerite altered T2. Upper 1.5m pyrite mineralised. Sharp upper and gradational lower alteration boundaries.				
<<Min: 67.75 - 69.25 8% pyrite>> aggregates and infilling fine fracture network.				
<<Alt: 67.75 - 69.25 strong Ankerite>>				
<<Alt: 69.25 - 71.1 moderate Ankerite>>				
<<Alt: 71.1 - 72.65 strong Ankerite>>				
<<Vein: 68.65 - 68.8 Quartz 55 deg. >>				
<<Vein: 71.3 - 71.31 Quartz 58 deg. >>				
<<Struc: 68.6 - 68.65 strong fault breccia 55 deg. >> quartz t2 breccia.				
<b>72.65</b>	<b>85.80</b>	<b>T1A Pillow Basalt</b>	<b>green</b>	<b>FMG</b>
72.65 - 85.8: Moderate erratic 1-10mm calcite veining and minor 5-10cm ankerite altered zones associated with qtz veining and qtz-calcite breccia.				
<<Alt: 72.65 - 85.8 weak Ankerite>>				
<<Struc: 75.4 - 75.41 weak fault 15 deg. >> classic thin hematite qtz-carb flt				
<<Struc: 79.85 - 79.88 moderate fault breccia 45 deg. >> plus alteration.				
<<Struc: 81 - 81.2 weak Foliated 40 deg. >>				
<<Struc: 84 - 84.08 strong fault breccia 60 deg. >>				
<b>85.80</b>	<b>86.80</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>	<b>FG</b>
85.8 - 86.8: Moderatly faulted T2 unit, brecciated cream quartz veining, and fine calcite stockworks, locally sheared.				
<<Alt: 85.8 - 86.8 strong Ankerite>>				
<<Struc: 85.8 - 86.8 weak fault>>				
<b>86.80</b>	<b>94.55</b>	<b>T1A Pillow Basalt</b>	<b>green</b>	<b>FMG</b>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
56.15	56.95	0.80	G278842	0.024	102	60	103	-2
56.95	58.00	1.05	G278843	-0.005	56	68	99	-2
58.00	59.00	1.00	G278844	-0.005	8	72	98	-2
66.15	67.75	1.60	G278845	-0.005	17	71	119	-2
67.75	69.25	1.50	G278846	2.3	4500	23	38	-2
69.25	71.10	1.85	G278847	-0.005	58	58	118	-2
71.10	72.65	1.55	G278848	0.069	648	40	78	-2
72.65	74.25	1.60	G278849	-0.005	19	59	115	-2
78.20	80.00	1.80	G278851	0.009	45	71	88	-2
80.00	82.00	2.00	G278852	-0.005	7	64	97	-2
82.00	84.00	2.00	G278853	-0.005	2	72	98	-2
84.00	85.80	1.80	G278854	-0.005	27	68	91	-2
85.80	86.80	1.00	G278855	0.007	13	56	85	-2
86.80	88.00	1.20	G278856	-0.005	10	48	112	-2

# Drill Log

Project:

Cassiar

Hole Number:

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From (m) To (m) Rocktype & Description

<<Alt: 86.8 - 92.55 weak Ankerite>>  
 <<Alt: 92.55 - 96.2 strong Ankerite>>  
 <<Vein: 92.44 - 92.45 Quartz 65 deg. >>

**94.55 96.20 T2 Basalt - Altered grey FG**

94.55 - 96.2: Sharp undulating alteration boundaries cross-cutting weak foliation. Moderate pyrite (4-5%), lacking associated qtz veining.

<<Min: 94.55 - 96.2 5% pyrite>> fine to coarse grained.

**96.20 99.10 T1 Basalt grey-green FG**

96.2 - 99.1: Minor patchy ankerite alteration associated with weak faulting and thin qtz veins (0.5cm)

<<Alt: 96.2 - 99.1 weak Ankerite>>  
 <<Alt: 97.5 - 97.85 moderate Ankerite>>

**99.10 101.80 T2 Basalt - Altered grey-green FG**

99.1 - 101.8: Predominantly ankerite altered T2, however contains 5-20cm zones of v weak AK alteration (T1). Alteration is wavy and nonconcordant to weak foliation. Patchy pyrite mineralisation and multiple thin erratic cream qtz veins.

<<Min: 99.1 - 99.4 3% pyrite>> medium grained.

<<Min: 100.45 - 101.1 3% pyrite>>

<<Min: 101.1 - 109.42 0.5% pyrite>>

<<Alt: 99.1 - 100 strong Ankerite>>

<<Alt: 100.2 - 101.8 strong Ankerite>>

<<Vein: 99.29 - 99.3 Quartz 55 deg. >>

<<Struc: 100 - 100.2 weak Foliated 65 deg. >>

<<Struc: 100.6 - 100.61 weak fault breccia 60 deg. >>

**101.80 109.42 5B Chert grey VFG**

101.8 - 109.42: Sharp steep (tca) upper contact lacking major deformation. Upper 10cm weakly brecciated. Minor extensional qtz veins cross-cutting and also offset by possible bedding planes accommodating movement. Weak blebby ankerite alteration increase argillite bands downhole in unit.

<<Alt: 101.8 - 109.42 weak Ankerite>>

<<Vein: 103 - 103.03 Quartz 30 deg. >>

<<Vein: 104.6 - 104.61 Quartz 50 deg. >>

<<Struc: 101.8 - 101.802 strong contact 70 deg. >>

<<Struc: 102.8 - 103 moderate Bedded 40 deg. >>

<<Struc: 104.6 - 104.8 moderate Bedded 20 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
88.00	90.00	2.00	G278857	-0.005	24	58	117	-2
90.00	92.00	2.00	G278858	-0.005	5	60	107	-2
92.00	94.00	2.00	G278859	-0.005	4	74	102	-2
94.00	94.55	0.55	G278861	-0.005	35	65	95	-2
94.55	96.20	1.65	G278862	0.922	1450	24	53	3

96.20	98.00	1.80	G278863	-0.005	16	78	107	-2
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98.00	99.10	1.10	G278864	-0.005	5	50	109	-2
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99.10	99.60	0.50	G278865	0.785	636	79	98	2
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99.60	100.40	0.80	G278866	-0.005	44	40	96	-2
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100.40	101.10	0.70	G278867	0.909	531	33	93	2
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101.10	101.80	0.70	G278868	-0.005	43	60	111	-2
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101.80	103.80	2.00	G278871	0.085	51	52	52	-2
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103.80	105.00	1.20	G278872	0.011	16	73	43	2
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## Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-33**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>End of Hole @ 109.42</b>											

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-34

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ryan Congdon
Grid:		Hole Diameter:		Survey By:		Date Started:	05/08/2012
UTM Easting:	459984.67	Core Size:	NQ	Azimuth:	20	Date Completed:	06/08/2012
UTM Northing:	6570404.37	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1098.169	Casing Depth (m):	9.14	Length (m):	149.05	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	04/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	05/08/2012
Local Elev. (m):							

**Comments:**

Drilled from proposed collar TRS-BA to the NNE testing un-drilled Sable-Plaza-Taurus Gap. Significantly altered and pyrite (minor arsenopyrite) mineralised basalt dominates the upper 100m, with intervals of un-altered basalt. Highly fractured rocks and faulted/sheared quartz veins and T2 zones, possibly shear veins and also overprinting of late faulting associated with previously interpreted 'Gully' Fault. Un-deformed lower contact to chert.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
11.89	-45	357.9	23.37	21.27	ReflexEZS		05/08/2012	5831	<input checked="" type="checkbox"/>	
54.56	-45.6	357.4	23.37	20.77	ReflexEZS		05/08/2012	5713	<input checked="" type="checkbox"/>	
103.33	-46.7	357.9	23.37	21.27	ReflexEZS		05/08/2012	5722	<input checked="" type="checkbox"/>	
142.95	-46.9	350.8	23.37	14.17	ReflexEZS		05/08/2012		<input type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-ICP41	Zn ppm ME-ICP41	Pb ppm ME-
<b>0.00</b>	<b>9.15</b>	<b>OVB Overburden</b>									
0 - 9.15: Overburden possibly stops higher difficult to determine, from 4.59 to 9.14m spun broken T2+T1, core loss.											
<b>9.15</b>	<b>9.70</b>	<b>T1A Pillow Basalt</b>	<b>green</b>	<b>FG</b>	0.55	G278873	-0.005	14	81	58	-2
<b>9.70</b>	<b>11.35</b>	<b>T2 Basalt - Altered</b>	<b>yellow</b>	<b>FG</b>	1.65	G278874	0.014	39	70	87	2
9.7 - 11.35: Likely weakly Ak altered T2 originally. Strong weathering and oxidation.											
<<Alt: 9.7 - 11.35 strong Iron oxide>>											
<<Alt: 9.7 - 11.35 strong Clay>>											
<b>11.35</b>	<b>16.00</b>	<b>T1A Pillow Basalt</b>	<b>green</b>	<b>FG</b>	1.15	G278876	-0.005	10	77	83	-2
11.35 - 16: Un-altered pillow basalt, weak iron oxides form on fracture surfaces.											
<<Alt: 11.35 - 27.5 weak Iron oxide>>											
					1.50	G278877	-0.005	9	67	75	-2
					2.00	G278878	-0.005	11	72	100	4

# Drill Log

Project:

Cassiar

Hole Number:

TA12-34

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
16.00	17.25	T2 Basalt - Altered yellow FG	16.00	17.25	1.25	G278879	0.02	84	94	61	3
<p>16 - 17.25: Likely weakly Ak altered T2 originally. Strong weathering and oxidation results in pervasive iron oxide and clay alteration. 16.9-17.25m possible top of bedrock to sub-crop (shallow hole directed downslope).</p> <p>&lt;&lt;Alt: 16 - 17.25 strong Iron oxide&gt;&gt;</p> <p>&lt;&lt;Alt: 16 - 17.25 strong Clay&gt;&gt;</p>											
17.25	17.95	T1A Pillow Basalt green FG	17.25	17.95	0.70	G278881	0.008	6	78	108	5
<p>17.25 - 17.95: Trace iron oxides coating fracture planes.</p>											
17.95	20.65	T2 Basalt - Altered grey-brown FG	17.95	19.95	2.00	G278882	0.015	61	74	99	4
<p>17.95 - 20.65: Strong ankerite and moderately oxidised. Pyrite mineralisation increases towards lower contact with quartz vein.</p> <p>&lt;&lt;Min: 20 - 20.6 6% pyrite&gt;&gt;</p> <p>&lt;&lt;Min: 20.6 - 21.8 8% pyrite&gt;&gt; forming minor semi-msv clusters in qtz veins and euhedral in T2.</p> <p>&lt;&lt;Alt: 17.95 - 43.05 strong Ankerite&gt;&gt;</p>											
20.65	21.20	T5 Quartz Vein white FCG	20.65	21.20	0.55	G278884	2.77	9030	14	9	5
<p>20.65 - 21.2: Broken highly pyritic shear vein. 1-5cm aggregates of pyrite forming in vein margins and internally, minor (0.5%) arsenopyrite and trace TT.</p> <p>&lt;&lt;Min: 20.65 - 21.2 0.1% tetrahedrite&gt;&gt;</p> <p>&lt;&lt;Min: 20.65 - 21.2 0.5% arsenopyrite&gt;&gt;</p> <p>&lt;&lt;Vein: 20.65 - 21.2 Quartz 30 deg. &gt;&gt; Strong pyrite clusters, cmc near upper con.</p>											
21.20	21.60	T2 Basalt - Altered grey-brown FG	21.20	21.60	0.40	G278885	1.655	6060	18	33	3
<p>21.2 - 21.6: Pyrite (4%) mineralised T2.</p>											
21.60	23.55	T5 Quartz Vein white FCG	21.60	23.55	1.95	G278886	3.95	5890	4	7	2
<p>21.6 - 23.55: Sharp upper contact, likely sheared and brecciated vein, pyrite clusters occur associated with wallrock xenoliths and margins. 22-23.55m quartz breccia with original qtz vein and As/TT mineralised T2 clasts (0.5-2cm)</p> <p>&lt;&lt;Min: 21.8 - 23.55 3% pyrite&gt;&gt;</p> <p>&lt;&lt;Vein: 21.6 - 23.55 Quartz 32 deg. &gt;&gt; Brecciated qtz vein</p> <p>&lt;&lt;Struc: 22 - 23.55 strong Brecciated &gt;&gt; Brecciated quartz/T2. As+Py mineralised clasts.</p>											
23.55	26.75	T2 Basalt - Altered grey-brown FG	23.55	25.00	1.45	G278887	0.577	2570	62	83	2
<p>23.55 - 26.75: Strong ankerite alteration and weak oxidation. Py 4-8% and trace As occur near increase with unit margins (T5). Minor 15cm sheared As rich zone at 25m.</p> <p>&lt;&lt;Min: 23.55 - 24 8% pyrite&gt;&gt;</p>											
25.00	26.75		25.00	26.75	1.75	G278888	2.85	6670	58	60	2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-34

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-				
<<Min: 23.55 - 24	>>	0.5% arsenopyrite>>													
<<Min: 25 - 25.2	>>	1% arsenopyrite>>													
<<Min: 26.1 - 28.8	>>	4% pyrite>>													
<<Min: 26.45 - 27.3	>>	0.5% arsenopyrite>>													
<<Vein: 26.18 - 26.2	>>	Quartz 20 deg. >>													
<<Struc: 25 - 25.2	>>	moderate Sheared 45 deg. >>													
<b>26.75</b>	<b>27.65</b>	<b>T5 Quartz Vein</b>	<b>white</b>			<b>FCG</b>	26.75	27.65	0.90	G278889	3.92	6080	13	12	-2
26.75 - 27.65: This unit contains 15cm mineralised wall rock in the centre (27.15m) upper vein contact shows extensional textures which may lead into the lower vein with a more sheared component. Thin 1-5mm sulphide stringers throughout, and concentration of pyrite and As on margins.															
<<Vein: 26.75 - 27.1	>>	Quartz 40 deg. >>													
<<Vein: 27.3 - 27.65	>>	Quartz>>													
<b>27.65</b>	<b>45.40</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>			<b>FG</b>	27.65	28.80	1.15	G278891	1.275	1320	24	39	2
27.65 - 45.4: Strongly ankeritic T2, lacking quartz veining and weakly pyrite mineralised. Slightly increased PY (1-2%) approaching lower contact from 41.5m, also graphitic 'crackle' texture appears with patchy weak brecciation and shearing.															
<<Min: 39.1 - 40.1	>>	1% pyrite>>					28.80	30.20	1.40	G278892	0.037	215	54	87	3
<<Min: 42 - 42.4	>>	6% pyrite>>					30.20	32.00	1.80	G278893	0.015	85	55	88	-2
<<Min: 44 - 44.3	>>	1% pyrite>>					32.00	34.00	2.00	G278894	0.005	68	56	95	2
<<Alt: 41.5 - 45.4	>>	weak Graphite>>	20-50cm carbon crackle texture throughout.												
<<Alt: 43.05 - 45.4	>>	strong Ankerite>>	Patchy 5-20cm zones of chloritic T1												
<<Vein: 28.4 - 28.5	>>	Quartz>>	broken core												
<<Vein: 39.4 - 39.45	>>	Quartz 40 deg. >>					34.00	36.00	2.00	G278895	-0.005	58	60	108	2
<<Vein: 42 - 42.01	>>	Quartz 30 deg. >>	discontinuous in weakly sheared zone												
<<Struc: 41.5 - 46.25	>>	weak fault breccia 50 deg. >>	weakly brecciated and/or sheared T2 zone.												
<<Struc: 45 - 45.4	>>	weak Sheared>>					36.00	38.00	2.00	G278896	-0.005	57	52	112	-2
<<Struc: 45.38 - 45.39	>>	weak fault 60 deg. >>					38.00	39.10	1.10	G278897	0.399	213	52	119	-2
<b>45.40</b>	<b>45.90</b>	<b>T5 Quartz Vein</b>	<b>white</b>			<b>FCG</b>	39.10	40.10	1.00	G278898	1.795	814	89	67	2
45.4 - 45.9: Possible shear vein with faulted upper contact. Minor pyrite mineralisation (0.5%)															
<<Vein: 45.4 - 45.9	>>	Quartz>>					40.10	42.00	1.90	G278899	0.149	178	52	102	3
<b>45.90</b>	<b>46.25</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>			<b>FG</b>	42.00	42.85	0.85	G278901	1.29	963	29	76	3
45.9 - 46.25: Weakly sheared T2 containing moderate graphitic fracturing and clusters of Py (6%).															
<<Min: 45.9 - 46.25	>>	6% pyrite>>					42.85	44.00	1.15	G278902	0.008	9	55	109	-2
<<Alt: 45.9 - 46.25	>>	moderate Graphite>>					44.00	45.40	1.40	G278903	0.808	318	70	82	2
							45.40	45.90	0.50	G278904	0.029	41	-1	2	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-34

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Struc: 45.9 - 46 moderate Sheared 55 deg. >> <b>46.25 46.90 T5 Quartz Vein white FCG</b> 46.25 - 46.9: Possible sheared quartz vein(Py 0.5%). Folded extensional vein occurs at upper contact possibly indicating sygmoidal vein arrays preceding shearing.											
46.25	46.90		46.25	46.90	0.65	G278906	0.052	34	-1	-2	-2
<<Vein: 46.25 - 46.9 Quartz 50 deg. >> shear? Disrupted minor ext vein near upper con. <b>46.90 47.25 T2 Basalt - Altered grey FG</b> 46.9 - 47.25: Pyritic T2 moderate graphitic crackle texture.											
46.90	47.25		46.90	47.25	0.35	G278907	0.658	994	17	37	3
<<Min: 46.9 - 48.5 4% pyrite>> aggragates in qtz veins. <<Alt: 46.9 - 47.25 moderate Graphite>> <<Alt: 46.9 - 47.25 strong Ankerite>>											
<b>47.25 48.50 T5 Quartz Vein white FCG</b> 47.25 - 48.5: Cracked faulted quartz containg abundant bands and aggregates of Py (6%).											
47.25	48.50		47.25	48.50	1.25	G278908	0.969	1035	6	15	3
<<Vein: 47.25 - 48.5 Quartz 30 deg. >> listed as shear vein, although possible late faulting overprinting.											
<b>48.50 58.40 T2 Basalt - Altered grey FG</b> 48.5 - 58.4: Moderately ankerite altered T2. Locally showing strong shear/breccia texture of qtz/T2 (5-40cm). Patchy Py (0.5-3%).											
48.50	58.40		48.50	50.50	2.00	G278909	0.063	127	55	91	2
<<Min: 48.5 - 55.65 0.5% pyrite>> <<Min: 55.65 - 56.7 3% pyrite>> <<Min: 56.7 - 66 0.5% pyrite>> <<Alt: 48.5 - 56.7 strong Ankerite>> <<Alt: 52.1 - 52.5 weak Graphite>> <<Alt: 56.7 - 58.4 moderate Ankerite>> <<Vein: 56.25 - 56.4 Quartz 50 deg. >> <<Struc: 48.7 - 48.8 weak fault breccia 70 deg. >> <<Struc: 52 - 52.01 weak fault 20 deg. >> <<Struc: 52.01 - 52.02 weak Fractured 40 deg. >> <<Struc: 52.15 - 52.5 moderate Sheared 60 deg. >> Sheared T2 and quartz (stretched) veining <<Struc: 58.2 - 58.21 weak fault 40 deg. >>											
50.50	52.50		50.50	52.50	2.00	G278911	-0.005	55	64	106	2
52.50	54.50		52.50	54.50	2.00	G278912	-0.005	71	56	80	2
54.50	55.65		54.50	55.65	1.15	G278913	0.728	971	43	64	5
55.65	56.70		55.65	56.70	1.05	G278914	1.635	863	39	50	-2
56.70	58.40		56.70	58.40	1.70	G278915	0.014	53	63	92	2
<b>58.40 65.90 T1 Basalt green FG</b> 58.4 - 65.9: Green chloritic unit, upper 3 m contains patchy (5-20cm) zones of ankerite alteration associated with faulting and minor qtz-calcite veining. Moderately broken core friable in places (5-10cm).											
58.40	65.90		58.40	60.00	1.60	G278916	-0.005	10	56	104	3
<<Alt: 58.4 - 62 weak Ankerite>>											
60.00	62.00		60.00	62.00	2.00	G278917	-0.005	7	68	103	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-34

From (m) To (m) Rocktype & Description

<<Alt: 60 - 60.5 weak Clay>>

**65.90 72.95 T2 Basalt - Altered grey FG**

65.9 - 72.95: Pyritic (5%) broken and faulted T2. Weak clay alteration and faulting form angular T2 clasts and irregular disrupted qtz veining locally in 10-40cm zones. Run 66.75-69.8m approx 1m core loss, likely in spun T2 at start of run and friable sections (mineralised zones).

<<Min: 66 - 70.1 5% pyrite>>

<<Min: 72.1 - 72.95 7% pyrite>> fine to coarse grained.

<<Min: 72.3 - 72.47 0.5% tetrahedrite>> in qtz vein

<<Alt: 65.9 - 72.95 strong Ankerite>>

<<Alt: 66.8 - 75.05 weak Clay>>

<<Vein: 66.25 - 66.35 Quartz>> strongly faulted.

<<Vein: 69.75 - 69.85 Quartz>>

<<Vein: 72.3 - 72.47 Quartz>> weakly faulted + TT + Py cluster

<<Struc: 66.25 - 66.4 moderate fault breccia 60 deg. >> brecciating qtz vein.

<<Struc: 72.1 - 75 weak fault breccia>> overall weakly deformed and clay altered zone.

**72.95 73.90 T5 Quartz Vein white FCG**

72.95 - 73.9: White bull quartz, lower boundary contains pyritic bands and wall rock inclusions. Approximately 40cm core loss in this interval likely in quartz vein and friable contact zone (mineralised zone)./

<<Min: 72.95 - 73.9 1% pyrite>>

<<Vein: 72.95 - 73.9 Quartz>> difficult to determine style of veining. Borke contacts. Centre of veining is massive.

**73.90 75.05 T2 Basalt - Altered grey FG**

73.9 - 75.05: Weakly clay altered T2.Strong fine to medium pyrite mineralisation (12%),sharp lower alteration boundary.

<<Min: 73.9 - 75.05 12% pyrite>> fine-medium dis

<<Alt: 73.9 - 75.05 strong Ankerite>>

**75.05 79.55 T1 Basalt green FG**

75.05 - 79.55: Weakly clay altered basalt moderate brittle irregular calcite veining

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
62.00	64.00	2.00	G278918	-0.005	5	59	110	3
64.00	65.90	1.90	G278919	-0.005	20	70	112	3
65.90	67.00	1.10	G278921	2.2	1180	43	50	4

67.00	69.00	2.00	G278922	1.775	1055	14	25	3
69.00	70.10	1.10	G278923	0.63	733	21	38	4
70.10	72.10	2.00	G278924	0.073	43	68	90	2
72.10	72.95	0.85	G278926	2.03	10000. 1	28	34	2

72.95	73.90	0.95	G278927	1.575	722	2	4	2
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73.90	75.05	1.15	G278928	3.44	2110	34	36	3
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75.05	77.00	1.95	G278929	-0.005	22	65	98	-2
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77.00	78.50	1.50	G278931	-0.005	-2	69	95	2
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78.50	79.55	1.05	G278932	-0.005	-2	71	114	-2
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-34

From (m) To (m) Rocktype & Description

**79.55 80.30 T2 Basalt - Altered buff FG**

79.55 - 80.3: Not a typical ankeritic T2 unit, occurs at top of basalt breccia zone, bleaching and ankerite alteration propagating from minor calcite faults.

<<Alt: 79.55 - 80.3 moderate Ankerite>>

<<Struc: 80.1 - 80.11 weak fault 50 deg. >>

**80.30 87.00 T1A Pillow Basalt green FG**

**87.00 97.50 T2 Basalt - Altered grey FG**

87 - 97.5: Pyritic (6%) T2 unit, decreasing in intensity downhole. Minor extensional quartz veins are faulted, offset and deformed with associated v-fine grained black carbon/sulphide?

<<Min: 87 - 92.15 6% pyrite>> fine-coarse

<<Min: 92.15 - 103.9 0.1% pyrite>>

<<Alt: 87 - 93 strong Ankerite>>

<<Alt: 93 - 96 moderate Ankerite>>

<<Alt: 96 - 96.75 strong Ankerite>>

<<Alt: 96 - 97.5 moderate Ankerite>>

<<Vein: 91.45 - 91.47 Quartz>>

<<Vein: 96.45 - 96.48 Quartz 50 deg. >>

<<Struc: 87 - 87.1 weak Foliated 35 deg. >>

<<Struc: 88.15 - 88.3 weak fault 55 deg. >> pyritic graphitic zone

<<Struc: 91.4 - 91.8 weak fault 60 deg. 40 deg. >> Thin faulting offsetting ext veining.

**97.50 103.90 T1A Pillow Basalt green FG**

97.5 - 103.9: Green basalt, minor qtz-carb veining. Weak 5cm patchy zones of ankerite alteration approaching lower contact.

**103.90 106.55 T2 Basalt - Altered grey FG**

103.9 - 106.55: Sharp alteration boundaries, this T2 unit contains fine grained pyrite (13%) disseminated and forming banded patterns. Irregular cream coloured qtz veining and minor faulting present.

<<Min: 103.9 - 106.55 13% pyrite>>

<<Alt: 103.9 - 106.55 strong Ankerite>>

<<Struc: 104.4 - 104.5 moderate fault breccia 50 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
79.55	80.30	0.75	G278933	-0.005	11	73	80	2

80.30	82.00	1.70	G278934	-0.005	-2	86	78	-2
85.07	87.00	1.93	G278935	-0.005	23	66	94	-2
87.00	89.00	2.00	G278936	3.54	935	25	39	2

89.00	91.00	2.00	G278937	1.055	906	25	41	2
91.00	92.15	1.15	G278938	0.609	817	15	31	-2
92.15	94.15	2.00	G278939	0.021	41	65	88	-2
94.15	96.00	1.85	G278941	0.01	37	86	99	-2
96.00	97.50	1.50	G278942	0.285	1830	66	75	-2

97.50	99.00	1.50	G278943	-0.005	78	72	98	-2
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99.00	101.00	2.00	G278944	-0.005	38	76	91	-2
101.00	103.00	2.00	G278945	-0.005	28	59	98	2
103.00	103.90	0.90	G278946	-0.005	47	63	117	-2
103.90	105.20	1.30	G278947	1.74	1470	38	68	4

105.20	106.55	1.35	G278948	6.82	2560	37	67	7
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-34

From (m) To (m) Rocktype & Description

<<Struc: 105.45 - 105.46 weak fault 50 deg. >>

**106.55 136.30 T1A Pillow Basalt green FG**

106.55 - 136.3: Large un-altered sequence of pillow basalts. Weak calcite veining and rare thin extensional quartz veins. Minor hematite coated slip planes. Basalt is magnetic (to scribe) from 124 m.

<<Alt: 123.2 - 123.5 weak Clay>>

<<Vein: 120.55 - 120.58 Quartz 70 deg. >>

<<Struc: 113 - 113.02 weak fault 18 deg. >>

<<Struc: 123.2 - 123.5 strong Sheared 15 deg. >> chlorite/hematite friable.

**136.30 136.70 T2 Basalt - Altered grey FG**

136.3 - 136.7: gradational boundaries centred on 3cm qtz vein, weak finely disseminated Py.

<<Min: 136.3 - 136.7 0.5% pyrite>>

<<Alt: 136.3 - 136.7 moderate Ankerite>>

<<Vein: 136.53 - 136.56 Quartz 40 deg. >>

**136.70 142.35 T1A Pillow Basalt green FG**

136.7 - 142.35: Continuation of above unit. Minor ankerite alteration and faulting approaching lower contact. Sharp thinly sheared (5mm) contact to chert.

**142.35 149.05 5B Chert grey-green VFG**

142.35 - 149.05: Moderate wavy banding locally. Minor (1-2cm) argillite beds. Again possible deformation taken up by bedding planes and brittle fracturing, however not seemingly significant. 148.6m to 149.05 EOH - Fractured and moderately clay altered zone, leading to change in lithology or structure?

<<Alt: 148.6 - 149.05 moderate Clay>>

<<Struc: 143.15 - 143.17 weak fault 75 deg. >>

<<Struc: 143.35 - 143.36 moderate contact 75 deg. >>

<<Struc: 146.4 - 146.6 moderate Bedded 60 deg. >>

<<Struc: 146.7 - 146.8 moderate Bedded 60 deg. >>

**End of Hole @ 149.05**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
106.55	108.00	1.45	G278949	0.007	8	121	135	3
108.00	109.50	1.50	G278951	-0.005	3	52	111	-2
134.40	136.30	1.90	G278952	-0.005	-2	59	103	-2
136.30	136.70	0.40	G278953	0.018	30	139	103	2
136.70	138.00	1.30	G278954	-0.005	4	39	104	-2

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-35

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ryan Congdon
Grid:		Hole Diameter:		Survey By:		Date Started:	06/08/2012
UTM Easting:	459938.99	Core Size:	NQ	Azimuth:	200	Date Completed:	07/08/2012
UTM Northing:	6570470.49	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1085.056	Casing Depth (m):	4.57	Length (m):	97.23	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	05/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	06/08/2012
Local Elev. (m):							

**Comments:**

Proposed hole TRS-AZ, dilled to the south-west into the northern portion of Hill 88 and northwest extension of structures intersected in Sable drilling. Intersected altered and Py (trace As) mineralised basalt and minor extensional and brecciated qtz veins separated by 1-5m of un-altered basalt to 57.6m. From here to EOH at 97.23m, chert is present except for a band of basalt at 69.15-75.9m lacking major deformation.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
8.8	-42.3	179.4	23.37	202.77	ReflexEZS		06/08/2012	5733	<input checked="" type="checkbox"/>	
54.56	-42.5	180.2	23.37	203.57	ReflexEZS		06/08/2012	5752	<input checked="" type="checkbox"/>	
91.14	-43.1	181.7	23.37	205.07	ReflexEZS		06/08/2012	5749	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ICP41	Pb ppm ME-
<b>0.00</b>	<b>5.30</b>	<b>OVB Overburden</b>									
<b>5.30</b>	<b>7.00</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>	<b>FG</b>	1.70	G278955	-0.005	41	63	119	-2
5.3 - 7: Moderately ankerite altered basalt, minor qtz breccia and iron oxides coating fracture surfaces.											
<<Alt: 5.3 - 7 strong Ankerite>>											
<<Alt: 5.3 - 17 weak Iron oxide>>											
<b>7.00</b>	<b>7.80</b>	<b>T1 Basalt</b>	<b>green-brown</b>	<b>FG</b>	0.80	G278956	0.008	30	81	173	-2
7 - 7.8: Dark green basalt, contacts marked by alteration.											
<b>7.80</b>	<b>9.00</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>	<b>FG</b>	1.20	G278957	0.401	262	95	162	-2
7.8 - 9: Multiple 1-7cm quartz vein breccia's. Possible silica alteration in addition to sericite and AK.											
<<Alt: 7.8 - 9 weak Silicification >>											
<<Alt: 7.8 - 9 strong Ankerite>>											
<<Struc: 8.2 - 8.22 moderate fault 70 deg. >>											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-35

From (m)	To (m)	Rocktype & Description	Color	Grade	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
9.00	10.50	<b>T1 Basalt</b> 9 - 10.5: Fraible and clay altered locally related to oxidised, weathered fractures. <<Alt: 9 - 10.5 moderate Clay>>	green	FG	9.00	10.50	1.50	G278958	-0.005	2	114	123	2
10.50	11.50	<b>T2 Basalt - Altered</b> 10.5 - 11.5: Pale yellow bleached looking T2. Lacking sig Py or QTZ vns <<Alt: 10.5 - 11.5 strong Ankerite>>	buff	FG	10.50	11.50	1.00	G278959	-0.005	24	72	151	-2
11.50	12.95	<b>T1 Basalt</b> 11.5 - 12.95: Broken core, locally pervasively clay altered to chloritic friable zones. <<Alt: 11.5 - 12.95 moderate Clay>>	green	FG	11.50	12.95	1.45	G278961	-0.005	6	105	159	-2
12.95	20.60	<b>T2 Basalt - Altered</b> 12.95 - 20.6: Patchy pyrite mineralisation multiple 5-20cm qtz veins + breccia. <<Min: 14.85 - 16.1 4% pyrite>> <<Min: 16.5 - 17.45 5% pyrite>> <<Alt: 12.95 - 17.45 strong Ankerite>> <<Alt: 17.45 - 20.6 moderate Ankerite>> <<Vein: 15.3 - 15.45 Quartz 80 deg. >> sheared contacts. <<Vein: 15.6 - 18.82 Quartz>> <<Vein: 17 - 17.11 Quartz 50 deg. >> <<Struc: 15.6 - 15.75 moderate Brecciated 45 deg. >>	grey	FG	12.95	14.80	1.85	G278962	-0.005	18	74	139	-2
					14.80	16.10	1.30	G278963	1.315	2190	47	60	3
					16.10	17.45	1.35	G278964	1.195	2440	57	78	-2
					17.45	19.45	2.00	G278965	-0.005	16	72	122	-2
					19.45	20.60	1.15	G278966	-0.005	24	86	129	-2
20.60	23.90	<b>T1 Basalt</b> 20.6 - 23.9: Gradual boundaries marked by ankerite alteration changes.	green	FG	20.60	22.50	1.90	G278967	-0.005	4	65	117	-2
23.90	25.20	<b>T2 Basalt - Altered</b> 23.9 - 25.2: Pyritic (4%) mineralisation leading to lower boundary with T5. <<Min: 24.25 - 25.2 4% pyrite>> <<Alt: 23.9 - 25.2 strong Ankerite>>	grey	FG	22.50	23.90	1.40	G278968	-0.005	8	63	115	-2
					23.90	25.20	1.30	G278969	1.165	1525	54	69	-2
25.20	26.00	<b>T5 Quartz Vein</b> 25.2 - 26: White bull quartz clustered and banded pyritic lower boundary. <<Min: 25.9 - 26.7 6% pyrite>> <<Vein: 25.2 - 26 Quartz 50 deg. >> banded py near lower contact, likely extensional.	white	FCG	25.20	26.00	0.80	G278971	3.67	647	8	5	4

# Drill Log

Project:

Cassiar

Hole Number:

TA12-35

From (m) To (m) Rocktype & Description

**26.00 30.20 T2 Basalt - Altered**

grey

FG

26 - 30.2: Weakly mineralised distal to T5 .

<<Min: 26.7 - 36.4 0.5% pyrite>>

<<Alt: 26 - 30.2 strong Ankerite>>

<<Struc: 26.9 - 26.93 weak fault 40 deg. >>

<<Struc: 26.92 - 26.95 moderate fault breccia 12 deg. >>

<<Struc: 28.8 - 29 weak fault breccia>>

**30.20 35.20 T1 Basalt**

green

FG

**35.20 42.70 T2 Basalt - Altered**

grey

FG

35.2 - 42.7: Patchy Py mineralisation associated with 1-4cm ext qtz veins.Minorsigns of fracturing and faulting. Lower 1.5m of unit erratic calcite veining occurs.

<<Min: 36.4 - 39.7 3% pyrite>>

<<Alt: 35.2 - 36.4 moderate Ankerite>>

<<Alt: 36.4 - 42.7 strong Ankerite>>

<<Vein: 37.5 - 37.52 Quartz 60 deg. >>

<<Vein: 37.7 - 37.74 Quartz 65 deg. >>

<<Vein: 39.2 - 39.22 Quartz 55 deg. >>

<<Struc: 35.2 - 35.21 weak contact 38 deg. >> alt cnt

<<Struc: 40.5 - 40.55 weak Foliated 40 deg. >>

<<Struc: 41.6 - 42 moderate Sheared 30 deg. >> weakly sheared qtz+T2

**42.70 48.85 T1A Pillow Basalt**

green

FG

42.7 - 48.85: Un-altered pillow basalt features gradational lower alteration contact, moderately sharp upper.

**48.85 57.60 T2 Basalt - Altered**

grey

FG

48.85 - 57.6: Patchy Py alteration (3%) with trace fine As. Several 5-15cm ext and shear veining.

<<Min: 49.5 - 51.2 3% pyrite>>

<<Min: 51.2 - 57.6 0.5% pyrite>>

<<Alt: 48.85 - 52.1 strong Ankerite>>

<<Alt: 52.1 - 53.55 moderate Ankerite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
26.00	26.85	0.85	G278972	2.59	1325	51	72	-2
26.85	28.85	2.00	G278973	-0.005	55	51	136	-2
28.85	30.20	1.35	G278974	0.072	82	56	132	-2
30.20	32.00	1.80	G278976	-0.005	-2	69	120	-2
32.00	34.00	2.00	G278977	-0.005	4	67	96	-2
34.00	35.20	1.20	G278978	-0.005	-2	76	87	-2
35.20	36.40	1.20	G278979	-0.005	24	83	82	-2
36.40	38.00	1.60	G278981	0.465	312	53	68	-2
38.00	39.80	1.80	G278982	0.805	1215	51	66	-2
39.80	41.05	1.25	G278983	-0.005	24	56	106	-2
41.05	42.70	1.65	G278984	-0.005	37	59	90	-2
42.70	44.70	2.00	G278985	-0.005	3	66	114	-2
44.70	46.85	2.15	G278986	-0.005	6	62	111	-2
46.85	48.85	2.00	G278987	-0.005	15	72	114	-2
48.85	49.51	0.66	G278988	0.606	1440	48	79	-2
49.51	51.05	1.54	G278989	1.105	6610	26	51	-2
51.05	51.90	0.85	G278991	1.015	4250	10	39	-2
51.90	53.90	2.00	G278992	0.097	54	73	103	-2
53.90	55.85	1.95	G278993	-0.005	71	74	108	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-35

From (m) To (m) Rocktype & Description

<<Alt: 53.55 - 57.6 strong Ankerite>>

<<Vein: 49.7 - 49.75 Quartz 40 deg. >>

<<Vein: 51.35 - 51.5 Quartz>> ext? irregular contact.

**57.60 69.15 T1A Pillow Basalt green FG**

57.6 - 69.15: Weak patchy ankerite alteration to 63m. Lower contact is marked by weak-moderate shear zone possibly mafic sedimentary horizon above undeformed chert contact.

<<Min: 59 - 59.3 1% arsenopyrite>>

<<Alt: 57.6 - 63 weak Ankerite>>

<<Vein: 59 - 59.2 Quartz 55 deg. >> As bands

<<Vein: 59.3 - 59.4 Quartz>>

<<Struc: 58.85 - 59.45 strong Sheared 55 deg. >>

<<Struc: 68.4 - 69.15 moderate Sheared 50 deg. >>

**69.15 75.90 5B Chert grey VFG**

69.15 - 75.9: Grey weakly bedded chert unit with sharp un-deformed contacts to basalts. Trace blebby AK alt.

<<Alt: 69.15 - 75.9 weak Ankerite>>

**75.90 83.75 T1A Pillow Basalt green FG**

75.9 - 83.75: Trace hematite alteration associated with fractures and siliceous lenses. Competent core.

<<Struc: 75.9 - 75.91 moderate contact 20 deg. >>

**83.75 97.23 5B Chert grey VFG**

83.75 - 97.23: Strongly bedded (1-10mm). Competent core.

<<Struc: 83.8 - 83.9 weak Bedded 30 deg. >>

<<Struc: 87 - 87.4 weak Bedded 32 deg. >>

<<Struc: 96.4 - 96.8 moderate Bedded 50 deg. >>

**End of Hole @ 97.23**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
55.85	56.60	0.75	G278994	1.695	10000. 1	31	57	-2
56.60	57.60	1.00	G278995	0.035	445	58	84	-2
57.60	59.00	1.40	G278996	-0.005	80	66	112	-2
59.00	61.00	2.00	G278997	-0.005	53	76	109	-2
61.00	63.00	2.00	G278998	-0.005	16	55	122	-2

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-36

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ryan Congdon
Grid:		Hole Diameter:		Survey By:		Date Started:	07/08/2012
UTM Easting:	460008.8	Core Size:	NQ	Azimuth:	0	Date Completed:	08/08/2012
UTM Northing:	6570521.1	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1070.1	Casing Depth (m):	6.1	Length (m):	134.11	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	06/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	07/08/2012
Local Elev. (m):							

**Comments:**

Proposed hole TRS-U designed to test 25 m below high-grade intercepts in TQR80-01. Patchy discrete altered and mineralised basalt zones separated by un-altered basalt to 51.65m. Below which un-mineralised clay/ankerite altered-faulted basalt and un-altered basalt zones continue to chert contact at 114.4m. Shearing and pyritic faulting occurs from 119.7-121.3m in the chert, possibly marking thrusting.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
11.89	-43.3	333	23.37	356.37	ReflexEZS		06/08/2012	5714	<input checked="" type="checkbox"/>	
57.61	-44.5	333.9	23.37	357.27	ReflexEZS		07/08/2012	5696	<input checked="" type="checkbox"/>	
100.28	-45.6	336.2	23.37	359.57	ReflexEZS		07/08/2012	5664	<input checked="" type="checkbox"/>	
124.97	-46	335.5	23.37	358.87	ReflexEZS		07/08/2012	5697	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
<b>0.00</b>	<b>5.50</b>	<b>OVB Overburden</b>									
<b>5.50</b>	<b>9.35</b>	<b>T1A Pillow Basalt</b>	<b>green</b>	<b>FG</b>	5.50	7.35	1.85	G278999	-0.005	3	59 75 -2
5.5 - 9.35: Minor friable and clay altered zones, otherwise competent un-altered basalt											
					7.35	9.35	2.00	G279001	-0.005	31	59 89 -2
<b>9.35</b>	<b>11.90</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>	<b>FG</b>	9.35	11.35	2.00	G279002	0.011	195	51 91 2
9.35 - 11.9: Pyrite mineralisation increases near T5 at bottom of unit.											
<<Min: 11.5 - 11.9 3% pyrite>>											
<<Alt: 9.35 - 11.5 moderate Ankerite>>											
<<Alt: 11.5 - 11.9 strong Ankerite>>											
<b>11.90</b>	<b>12.35</b>	<b>T5 Quartz Vein</b>	<b>white</b>	<b>FCG</b>	11.90	12.35	0.45	G279004	0.102	157	1 3 -2
11.9 - 12.35: White bull quartz extensional vein.											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-36

From (m)	To (m)	Rocktype & Description			From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Vein: 11.9 - 12.35 Quartz 50 deg. >> <b>12.35 13.30 T2 Basalt - Altered</b> <b>grey</b> <b>FG</b>													
12.35 - 13.3: Moderately AK altered, however lacking sig sulphides.													
<<Alt: 12.35 - 13.3 strong Ankerite>> <b>13.30 17.45 T1A Pillow Basalt</b> <b>green</b> <b>FG</b>													
<b>17.45 20.25 T2 Basalt - Altered</b> <b>grey</b> <b>FG</b>													
17.45 - 20.25: Weak patchy sericite alteration. Py (4%) occurs proximal to quartz veining.													
<<Min: 19.25 - 20.25 4% pyrite>> fine to coarse grained. <<Alt: 17.45 - 20.25 weak Sericite>> <<Alt: 17.45 - 20.25 moderate Ankerite>> <<Vein: 19.45 - 19.46 Quartz 45 deg. >> <<Vein: 19.8 - 20 Quartz 51 deg. >> Lower contact brecciated. <<Struc: 19.95 - 20 weak Brecciated 50 deg. >>													
<b>20.25 20.70 T5 Quartz Vein</b> <b>white</b> <b>FCG</b>													
20.25 - 20.7: Likely extensional quartz vein, lower 10cm brecciated.													
<<Alt: 20.25 - 26.25 moderate Ankerite>> <<Vein: 20.25 - 20.7 Quartz 25 deg. >> Lower contact brecciated. <<Struc: 20.65 - 20.7 weak Brecciated 35 deg. >>													
<b>20.70 26.25 T2 Basalt - Altered</b> <b>grey</b> <b>FG</b>													
20.7 - 26.25: Moderately ankerite altered T2. Minor caelite breccias (2-20cm).													
<<Vein: 21 - 21.02 Quartz 40 deg. >> <<Struc: 22.25 - 22.28 moderate fault breccia 60 deg. >> <<Struc: 23.2 - 23.4 moderate fault breccia 65 deg. >> calcite													
<b>26.25 37.35 T1A Pillow Basalt</b> <b>green</b> <b>FG</b>													
<<Struc: 30.55 - 30.6 weak Foliated 45 deg. >>													
<b>37.35 37.85 T2 Basalt - Altered</b> <b>grey</b> <b>FG</b>													
37.35 - 37.85: Weak-mod alteration centered on calcite breccia.													
<<Alt: 37.35 - 37.85 moderate Ankerite>> <<Struc: 37.5 - 37.59 moderate fault breccia 35 deg. >> calcite +AK alt													
<b>37.85 47.90 T1A Pillow Basalt</b> <b>green</b> <b>FG</b>													



# Drill Log

Project:

Cassiar

Hole Number:

TA12-36

From (m)	To (m)	Rocktype & Description
<<Alt: 44.5 - 45.7 moderate Clay>>		
<<Struc: 47 - 50.25 moderate fault breccia 45 deg. >>		Area of weak to strong brecciation (minor shearing) of T2 and quartz veining.
<b>47.90</b>	<b>51.65</b>	<b>T2 Basalt - Altered grey FG</b>
47.9 - 51.65: Strong (5%) fine to coarse Py mineralisation. Unit also contains significant shearing and faulting of T2 and qtz veining. Fairly sharp alteration boundaries.		
<<Min: 47.9 - 50.45 5% pyrite>> fine to coarse grained.		
<<Min: 51.2 - 51.65 5% pyrite>> fine		
<<Alt: 47.9 - 51.65 strong Ankerite>>		
<<Vein: 50.41 - 50.42 Quartz 50 deg. >>		
<b>51.65</b>	<b>58.60</b>	<b>T1A Pillow Basalt green FG</b>
<b>58.60</b>	<b>59.80</b>	<b>T2 Basalt - Altered buff FG</b>
58.6 - 59.8: Unit listed as T2, although contains slightly different buff colour and alteration to typical T2. Likely dolomite and weak clay alteration. Contains minor quartz veining and moderate thin (2-8mm) calcite veining. Moderately sheared and brecciated unit.		
<<Alt: 58.6 - 59.8 moderate Clay>>		
<<Alt: 58.6 - 59.8 moderate Ankerite>>		
<<Struc: 58.6 - 59.8 weak fault>> Area of brittle and ductile deformation as described in lithology.		
<<Struc: 58.7 - 58.71 weak fault 40 deg. >>		
<b>59.80</b>	<b>62.05</b>	<b>T8 Mafic Tuff green FG</b>
59.8 - 62.05: Strongly banded chloritic mafic unit. Interpreted to contain some banding/bedding from protolith and later shear overprinting and minor hematite coated thin (1-2mm) faults.		
<<Struc: 59.8 - 61.8 weak Sheared 50 deg. >>		
<b>62.05</b>	<b>67.40</b>	<b>T2 Basalt - Altered buff FG</b>
62.05 - 67.4: Similar to above described 'T2' bleached unit and repeated downhole. This unit contains strong localised shearing and significant zones (2-40cm) of angular jigsaw fit breccia and hydro-fracturing with siliceous and possible dolomite infill. These altered fractured units contain only minor pyrite. Minor broken core.		
<<Alt: 62.05 - 67.4 weak Ankerite>>		
<<Alt: 62.05 - 71.45 moderate Clay>>		
<<Struc: 63.1 - 67.4 weak fault breccia 20 deg. >> Faulted and brecciated unit, 1-2cm intense structures as well as larger weakly brecciated angular clast zones		

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
45.90	47.90	2.00	G279019	-0.005	59	61	96	-2
47.90	49.10	1.20	G279021	1.635	1230	20	41	4
49.10	50.45	1.35	G279022	2.47	1140	31	42	3
50.45	51.20	0.75	G279023	0.079	113	60	89	-2
51.20	51.65	0.45	G279024	0.393	477	66	87	2
51.65	53.00	1.35	G279026	-0.005	17	53	87	-2
57.30	58.60	1.30	G279027	-0.005	10	66	96	-2
58.60	59.80	1.20	G279028	-0.005	37	56	87	-2
59.80	62.05	2.25	G279029	-0.005	12	68	75	-2
62.05	64.00	1.95	G279031	0.008	25	125	98	13
64.00	66.00	2.00	G279032	0.041	53	73	76	6
66.00	67.40	1.40	G279033	0.008	20	73	172	2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-36

From (m) To (m) Rocktype & Description

**67.40 69.00 T1 Basalt**

**green**

**FG**

67.4 - 69: Locally friable and broken in 5-20cm zones.

**69.00 71.45 T2 Basalt - Altered**

**buff**

**FG**

69 - 71.45: Another cream/yellow altered unit, minor breccia zones.

**71.45 73.00 T1 Basalt**

**green**

**FG**

**73.00 75.90 T2 Basalt - Altered**

**buff**

**FG**

73 - 75.9: Pale yellow unit, moderate thin faulting, minor shearing and brecciation.

<<Alt: 73 - 75.9 moderate Clay>>

<<Alt: 73 - 75.9 moderate Ankerite>>

<<Struc: 73.45 - 73.55 moderate fault breccia 50 deg. >>

**75.90 82.95 T1A Pillow Basalt**

**green-brown**

**FG**

75.9 - 82.95: Predominately un-altered basalt, contains 10-20cm clay/carbonate altered zones with minor calcite fracturing.

**82.95 84.50 T2 Basalt - Altered**

**buff**

**FG**

82.95 - 84.5: Cream/yellow clay altered basalt. Upper 40cm friable.

<<Alt: 82.95 - 84.5 moderate Clay>>

<<Alt: 82.95 - 84.5 weak Ankerite>>

**84.50 93.50 T1 Basalt**

**green**

**FG**

84.5 - 93.5: Green weakly calcite veined basalt. Minor 20-50cm weakly altered (carbonate-clay) zones.

<<Alt: 85.5 - 85.7 moderate Ankerite>>

<<Alt: 90.2 - 90.65 weak Clay>>

<<Alt: 90.2 - 90.65 weak Ankerite>>

<<Vein: 90.25 - 90.28 Calcite 45 deg. >>

<<Struc: 85.6 - 85.7 moderate fault breccia 45 deg. >> calcite infill.

**93.50 94.35 T2 Basalt - Altered**

**buff**

**FG**

93.5 - 94.35: Cream/yellow minor faulting and calcite veining, weakly friable clay alteration at the top of hole.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
67.40	69.00	1.60	G279034	-0.005	7	141	139	3
69.00	70.50	1.50	G279035	0.016	29	69	140	-2
70.50	71.45	0.95	G279036	-0.005	7	73	150	-2
71.45	73.00	1.55	G279037	-0.005	4	82	108	-2
73.00	74.50	1.50	G279038	0.014	34	75	128	-2
74.50	75.90	1.40	G279039	-0.005	13	89	138	-2
75.90	77.15	1.25	G279041	-0.005	5	70	119	-2
77.15	79.15	2.00	G279042	-0.005	2	64	93	-2
79.15	81.15	2.00	G279043	-0.005	3	78	70	-2
81.15	82.95	1.80	G279044	-0.005	8	75	73	-2
82.95	84.50	1.55	G279045	-0.005	10	76	96	-2
84.50	86.50	2.00	G279046	0.007	21	61	90	-2
86.50	88.50	2.00	G279047	-0.005	9	76	61	-2
88.50	90.50	2.00	G279048	-0.005	13	79	55	-2
90.50	92.00	1.50	G279049	-0.005	11	76	58	-2
92.00	93.50	1.50	G279051	-0.005	4	74	77	-2
93.50	94.35	0.85	G279052	-0.005	12	68	97	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-36

From (m)	To (m)	Rocktype & Description			From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Alt: 93.5 - 94.35 moderate Clay>>													
<<Alt: 93.5 - 94.35 weak Ankerite>>													
<b>94.35</b>	<b>94.90</b>	<b>T1 Basalt</b>	<b>green</b>	<b>FG</b>	94.35	94.90	0.55	G279053	-0.005	3	72	80	-2
<b>94.90</b>	<b>95.35</b>	<b>T2 Basalt - Altered</b>	<b>buff</b>	<b>FG</b>	94.90	95.35	0.45	G279054	-0.005	6	39	128	-2
94.9 - 95.35: See above 'T2' zone.													
<b>95.35</b>	<b>96.45</b>	<b>T1 Basalt</b>	<b>green</b>	<b>FG</b>	95.35	96.45	1.10	G279055	-0.005	6	77	111	-2
<b>96.45</b>	<b>102.30</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>	<b>FG</b>	96.45	98.45	2.00	G279056	0.005	26	46	104	-2
96.45 - 102.3: Patchy ankerite alteration (purple tinge). Irregular 0.5-2cm qtz veining. Trace Py.													
<<Min: 101.7 - 102 0.5% pyrite>>													
<<Alt: 96.45 - 102.3 weak Clay>>													
<<Alt: 96.45 - 102.3 moderate Ankerite>>													
<<Vein: 101.95 - 101.98 Quartz 40 deg. >>													
<<Vein: 102.2 - 102.21 Quartz 35 deg. >>													
<<Struc: 98.1 - 98.15 weak fault breccia>>													
<b>102.30</b>	<b>110.95</b>	<b>T1 Basalt</b>	<b>green</b>	<b>FG</b>	102.30	104.30	2.00	G279059	-0.005	4	63	108	-2
102.3 - 110.95: Minor patchy ankerite and clay altered zones.													
<<Alt: 107.85 - 108.45 weak Clay>>													
					104.30	106.30	2.00	G279061	0.005	-2	66	109	-2
					106.30	108.30	2.00	G279062	0.043	57	50	102	-2
					108.30	110.00	1.70	G279063	0.062	41	53	107	-2
					110.00	110.95	0.95	G279064	-0.005	-2	49	116	-2
<b>110.95</b>	<b>111.75</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>	<b>FG</b>	110.95	111.75	0.80	G279065	0.018	67	38	110	-2
110.95 - 111.75: Ankerite (purple tinge), lower 30cm contains irregular cream quartz veining minor calcite component.													
<b>111.75</b>	<b>115.40</b>	<b>T1 Basalt</b>	<b>green</b>	<b>FG</b>	111.75	113.75	2.00	G279066	-0.005	3	52	107	-2
111.75 - 115.4: Lower contact to chert sharp but also marked by 20cm weakly altered and sheared zone.													
<<Alt: 112.95 - 113.75 strong Ankerite>>													
<<Alt: 115.2 - 115.4 weak Clay>>													
<<Struc: 115.1 - 115.4 weak Sheared>> weakly sheared. Not many candidates for thrust shear zone.													
					113.75	115.40	1.65	G279067	-0.005	19	64	103	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-36

From (m) To (m) Rocktype & Description

**115.40 134.11 5B Chert grey VFG**

115.4 - 134.11: Moderately banded chert. Faulted and brecciated section from 119.7 to 123.7m, with pyritic/quartz sheared zones locally (thrust faulting manifesting in sediments? However shearing directions seem to change from one area deformation zone to another. Argillitic bands and content increases past 126m, Last 133 metres appears to be iron rich red-pink chert brecciated and quartz veined locally. Pretty.

<<Min: 119.7 - 120.1 1% pyrite>>

<<Min: 121 - 121.25 6% pyrite>>

<<Struc: 115.4 - 115.401 moderate contact 15 deg. >> relatively undeformed

<<Struc: 115.7 - 115.8 moderate Bedded 15 deg. >>

<<Struc: 119.7 - 120.1 strong Sheared 50 deg. >>

<<Struc: 121 - 121.3 strong Sheared 25 deg. >>

<<Struc: 121.75 - 123.7 weak fault breccia>> fractured and weakly clay altered.

<<Struc: 125.7 - 125.8 moderate Bedded 25 deg. >>

<<Struc: 127.8 - 128 moderate Bedded 30 deg. >>

<<Struc: 129 - 129.2 moderate Bedded 50 deg. >>

<<Struc: 133 - 134.11 weak fault breccia>>

**End of Hole @ 134.11**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
115.40	117.40	2.00	G279068	-0.005	215	65	45	6
117.40	119.40	2.00	G279069	0.078	83	46	24	2
119.40	121.40	2.00	G279071	1.435	603	18	10	7
121.40	122.40	1.00	G279072	0.55	302	17	10	2

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-37

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ryan Congdon
Grid:		Hole Diameter:		Survey By:		Date Started:	08/08/2012
UTM Easting	459767.42	Core Size:	NQ	Azimuth:	0	Date Completed:	08/08/2012
UTM Northing:	6570433.78	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1116.153	Casing Depth (m):	4.68	Length (m):	131.48	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title		Drill Started:	07/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	08/08/2012
Local Elev. (m):							

**Comments:**

Proposed hole TRS-DA. Drilled to infill Highway Zone and Hill 88 Gap. Drilling intersected altered and patchy mineralised basalt separated by 1-8m un-altered basalt to 64.5m Common extensional and shear veins (also sheared T2) where intersected in mineralised zones. Below 64.5m to 121.15 m is magnetic/jasperoidal basalt and one large lamprophyre dyke. Chert finishes the hole. A 'sheared' mafic zone occurs just above the un-deformed chert contact.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
9.14	-41.1	337.7	23.37	1.07	ReflexEZS		07/08/2012	5998	<input checked="" type="checkbox"/>	
57.61	-43.1	339.4	23.37	2.77	ReflexEZS		07/08/2012	5836	<input checked="" type="checkbox"/>	
100.58	-44.3	323.5	23.37	346.87	ReflexEZS		07/08/2012	5586	<input type="checkbox"/>	Azimuth varied. Survey located in magnetic basalt.
121.92	-44.9	333	23.37	356.37	ReflexEZS		08/08/2012	5816	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
<b>0.00</b>	<b>4.68</b>	<b>OVB Overburden</b>									
<b>4.68</b>	<b>6.85</b>	<b>T1 Basalt</b>	<b>green-brown</b>	<b>FG</b>	2.17	G279073	-0.005	50	62	67	-2
4.68 - 6.85: Weak ankerite and trace iron oxidation.											
<<Alt: 4.68 - 6.85 weak Ankerite>>											
<<Alt: 4.68 - 20.1 weak Iron oxide>> decreasing downhole.											
<b>6.85</b>	<b>8.40</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>	<b>FG</b>	1.55	G279074	0.704	1800	32	66	-2
6.85 - 8.4: Pyritic (4%), lower boundary marked by quartz vein.											
<<Min: 6.85 - 8.4 4% pyrite>> fine to medium grained											
<<Alt: 6.85 - 8.4 strong Ankerite>>											
<<Vein: 8.25 - 8.33 Quartz>> Mottled white/dark grey, and weakly brecciated contact.											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-37

From (m) To (m) Rocktype & Description

**8.40 12.90 T1A Pillow Basalt green-brown FG**

8.4 - 12.9: Pillow Basalt, weak iron oxides coating fracture surfaces and broken upper 3m. Trace Ak alteration forming 1cm halos around thin (<1cm) qtz veins.

<<Alt: 8.4 - 12.9 weak Ankerite>>

**12.90 25.80 T2 Basalt - Altered grey FG**

12.9 - 25.8: Patchy Py (1-7%) and As (0.5%) mineralisation often proximal to several moderate 20cm ext qtz veins, however not many thin consistant qtz veins.

<<Min: 12.9 - 14.7 7% pyrite>>

<<Min: 12.95 - 14.7 0.5% arsenopyrite>>

<<Min: 20.2 - 21.65 4% pyrite>>

<<Min: 20.45 - 21.65 0.5% arsenopyrite>>

<<Min: 20.8 - 21 0.1% tetrahedrite>> vn

<<Min: 25.2 - 25.8 2% pyrite>>

<<Min: 25.2 - 25.8 0.5% arsenopyrite>>

<<Alt: 12.9 - 21.65 strong Ankerite>>

<<Alt: 21.65 - 23.3 moderate Ankerite>>

<<Alt: 23.3 - 25.8 strong Ankerite>>

<<Vein: 13.65 - 13.85 Quartz 45 deg. >> weakly brecciated and As/Py banded (1-2mm). Shear?

<<Vein: 20.8 - 21.01 Quartz 30 deg. >> Trace TT aggregates.

<<Vein: 24.23 - 24.45 Quartz 28 deg. >> broken, wavy wall rock inclusions + sericite

<<Struc: 21.65 - 21.66 weak contact 20 deg. >> vein marking alt contact

**25.80 33.00 T1A Pillow Basalt green FG**

25.8 - 33: Mostly competent with 5-20cm broken zones locally.

<<Alt: 25.8 - 33 weak Ankerite>>

**33.00 48.50 T2 Basalt - Altered grey FG**

33 - 48.5: Upper portion of T2 weakly mineralised. However below 43.5m Py + As mineralisation occurs associated with strongly sheared T2 5-10cm qtz veins.

<<Min: 43.55 - 44.7 4% pyrite>>

<<Min: 43.55 - 44.7 1% arsenopyrite>>

<<Min: 46.55 - 47.1 6% pyrite>> also aggregates.

<<Alt: 33 - 35.6 moderate Ankerite>>

<<Alt: 35.6 - 36.75 strong Ankerite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
8.40	10.40	2.00	G279076	0.005	29	57	112	-2
10.40	12.00	1.60	G279077	0.079	236	53	112	-2
12.00	12.90	0.90	G279078	-0.005	7	54	112	-2
12.90	14.70	1.80	G279079	3.94	8730	29	49	-2
14.70	16.70	2.00	G279081	0.04	239	54	109	-2
16.70	18.70	2.00	G279082	-0.005	90	57	99	-2
18.70	20.20	1.50	G279083	-0.005	68	52	101	-2
20.20	21.70	1.50	G279084	1.53	4900	294	136	5
21.70	23.70	2.00	G279085	-0.005	72	74	136	2
23.70	25.00	1.30	G279086	0.416	104	44	97	-2
25.00	25.80	0.80	G279087	0.845	737	60	86	-2
25.80	27.43	1.63	G279088	-0.005	24	63	130	-2
31.30	33.00	1.70	G279089	-0.005	7	72	96	-2
33.00	35.00	2.00	G279091	-0.005	29	50	106	2
35.00	37.00	2.00	G279092	0.372	1240	43	90	-2
37.00	39.00	2.00	G279093	-0.005	22	56	122	-2
39.00	41.00	2.00	G279094	-0.005	18	60	112	-2
41.00	42.70	1.70	G279095	0.051	125	56	88	-2
42.70	43.55	0.85	G279096	0.146	661	28	71	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-37

From (m) To (m) Rocktype & Description

<<Alt: 36.75 - 41.05 moderate Ankerite>>  
 <<Alt: 41.05 - 48.5 strong Ankerite>>  
 <<Vein: 36.5 - 36.58 Quartz 40 deg. >> As + TT lining vein margins  
 <<Vein: 43.9 - 44 Quartz 38 deg. >> SHD T2+Qtz + As/py stringers  
 <<Vein: 46.2 - 46.3 Quartz 75 deg. >> Graphitic/sulphide sheared T2/+Qtz vein, broken stretched + qtz 'augens'  
 <<Vein: 46.65 - 46.69 Quartz 75 deg. >>  
 <<Vein: 46.8 - 46.83 Quartz 30 deg. >> original ext vein upper contact sheared (part of broader shz whether late or not) possible rotation of vein.  
 <<Struc: 43 - 44.7 strong Sheared>>  
 <<Struc: 45 - 47.1 strong Sheared 75 deg. >>

**48.50 49.85 T1 Basalt green FG**  
**49.85 64.50 T2 Basalt - Altered grey FG**

49.85 - 64.5: Ankerite altered T2. Upper (49.85-54m) and lower (61.6-64.5m) better zones both containing Py-As and Sheared extensional veins with surrounding weakly faulted and graphitic crackle texture rocks.

<<Min: 49.9 - 54.3 4% pyrite>>  
 <<Min: 50.4 - 50.6 1% arsenopyrite>>  
 <<Min: 54.3 - 63 0.5% pyrite>>  
 <<Min: 62.3 - 62.32 0.5% arsenopyrite>>  
 <<Min: 63 - 64 3% pyrite>>  
 <<Alt: 49.85 - 53.1 weak Graphite>>  
 <<Alt: 49.85 - 56.6 strong Ankerite>>  
 <<Alt: 56.6 - 60.9 moderate Ankerite>>  
 <<Alt: 60.9 - 64.5 strong Ankerite>>  
 <<Alt: 61.6 - 64 weak Graphite>>  
 <<Vein: 50.5 - 50.52 Quartz 80 deg. >> extensional then caught up in shear.  
 <<Vein: 51 - 51.01 Quartz>> graphite marking vein margin  
 <<Vein: 57.65 - 57.93 Quartz 25 deg. >> difficult to determin vein origin, possible ext, with later faulted contacts.  
 <<Vein: 62.1 - 62.3 Quartz 55 deg. >> also offset by low angle flt (5) tca. As banded on lower margin.  
 <<Vein: 63.35 - 63.55 Quartz 60 deg. >> minor wall rock inclusions + py/as stringers. Faulted zone  
 <<Struc: 49.9 - 53 weak fault breccia>> crackle texture and weak breccia of T2.  
 <<Struc: 61.8 - 63.7 weak fault>>  
 <<Struc: 64.45 - 64.5 strong Sheared 60 deg. >> marks unit/alteration boundary.

**64.50 71.55 T1A Pillow Basalt green FG**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
43.55	44.70	1.15	G279097	1.78	7660	27	56	-2
44.70	46.00	1.30	G279098	0.088	126	62	83	-2
46.00	47.30	1.30	G279099	0.868	793	47	88	2
47.30	48.50	1.20	G279100	0.009	40	63	97	8

48.50	49.85	1.35	G279102	-0.005	57	65	106	-2
49.85	51.85	2.00	G279103	0.711	866	66	101	-2

51.85	53.15	1.30	G279104	2.44	1800	54	56	-2
53.15	54.40	1.25	G279105	1.355	717	60	68	-2
54.40	56.40	2.00	G279106	-0.005	47	55	90	-2
56.40	58.40	2.00	G279107	-0.005	52	81	95	-2
58.40	60.40	2.00	G279108	0.082	1355	54	84	-2
60.40	61.85	1.45	G279109	-0.005	74	75	92	-2
61.85	63.00	1.15	G279111	0.937	2250	64	64	-2
63.00	64.50	1.50	G279112	1.25	1460	45	52	-2

64.50	65.70	1.20	G279113	-0.005	12	60	124	-2
70.10	71.55	1.45	G279114	-0.005	23	72	118	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-37

From (m) To (m) Rocktype & Description

**71.55 88.95 T2 Basalt - Altered grey FG**

71.55 - 88.95: Weak to moderately altered T2 lacking any significant sulphide mineralisation. Upper and lower 2m marked by irregular cream qtz veining and weak to moderate brecciation.

<<Min: 71.55 - 88.95 0.5% pyrite>>

<<Alt: 71.55 - 88.95 moderate Ankerite>>

<<Vein: 72 - 72.02 Quartz 30 deg. >>

<<Vein: 76.8 - 76.86 Quartz 55 deg. >>

<<Vein: 80.1 - 80.13 Quartz 25 deg. >>

<<Struc: 87.6 - 88.8 weak fault breccia>> Weak zones of jigsaw fit crackle breccia.

<<Struc: 88.4 - 88.55 moderate fault breccia 55 deg. >>

**88.95 94.35 T1F Magnetic/Jasper Pillow Basalt green FG**

88.95 - 94.35: Dark green basalt very competent basalt. Abundant jasper 1-3cm jasper pods/blebs

**94.35 103.20 T11 Lamprophyre grey FCG**

94.35 - 103.2: Sharp upper and lower contacts, biotite rich fine to coarse grained dyke.

<<Struc: 94.35 - 94.36 strong contact 50 deg. >>

**103.20 118.50 T1F Magnetic/Jasper Pillow Basalt green FG**

103.2 - 118.5: Continuation of basalt unit.

<<Struc: 103.2 - 103.21 strong contact 60 deg. >>

**118.50 119.70 SHZ Shear Zone green FG**

118.5 - 119.7: Similar strongly banded competent chloritic and hematitic unit as seen in other Hill88 drill holes. Logged as a shear zone, also logged in past as tuffaceous unit. Likely deformation concentrated in this unit. Cherty siliceous 15cm zones mark upper and lower contact. (leading into cherty depositional environment). Best Candidate for taurus thrust.

<<Struc: 118.5 - 119.7 moderate Sheared 45 deg. >>

**119.70 121.15 T1F Magnetic/Jasper Pillow Basalt green FG**

119.7 - 121.15: Sharp lower contact marked by minor shearing.

<<Struc: 121.12 - 121.15 weak Sheared 45 deg. >> contact

**121.15 131.48 5B Chert grey VFG**

121.15 - 131.48: Broken angular core locally, minor bedding .

<<Struc: 124.6 - 124.7 moderate Bedded 30 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
71.55	73.55	2.00	G279115	0.007	71	61	77	-2
73.55	75.55	2.00	G279116	-0.005	64	66	113	-2
75.55	77.55	2.00	G279117	0.153	840	64	95	-2
77.55	79.55	2.00	G279118	-0.005	51	63	113	-2
79.55	81.55	2.00	G279119	-0.005	14	47	112	-2
81.55	83.55	2.00	G279121	-0.005	19	67	107	2
83.55	85.55	2.00	G279122	-0.005	52	64	127	2
85.55	87.55	2.00	G279123	0.5	141	58	71	3
87.55	88.95	1.40	G279124	0.043	53	78	96	-2
88.95	90.95	2.00	G279126	-0.005	7	112	98	-2



## Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-37**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<b>End of Hole @ 131.48</b>											

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-38

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ryan Congdon
Grid:		Hole Diameter:		Survey By:		Date Started:	09/08/2012
UTM Easting:	459576.42	Core Size:	NQ	Azimuth:	0	Date Completed:	10/08/2012
UTM Northing:	6570410.17	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1099.189	Casing Depth (m):	5.79	Length (m):	133.81	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	07/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	08/08/2012
Local Elev. (m):							

**Comments:**

Proposed hole TRS-DC. Drilled to test Hill 88-Highway gap. Upper portion of drillhole to 29.2 m is completely ankerite altered containing patchy disseminated Py (0.5-7%) mineralisation. A small fleck of VG is located at 22.04m adjacent to the low angle quartz margin of the T5 unit (As. rich Quartz vein runs parrallel to core axis for part of unit). Significant shearing and dismembered quartz veins are located at the bottom of this upper T2 package. Weakly altered & non-mineralised or completely un-altered jasper/magnetite rich basalt continues to 106.55m where a surprise 3.55m T3 unit occurs. EOH is in un-altered Jasper/Mag Pillow Basalts. No major shear zone noted in the lower section of this hole.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
11.89	-43	336.3	23.37	359.67	ReflexEZS		08/08/2012	5920	<input checked="" type="checkbox"/>	
69.8	-44.8	327.7	23.37	351.07	ReflexEZS		08/08/2012	5569	<input type="checkbox"/>	Start of magnetic basalt.
103.33	-45.2	341.6	23.37	4.97	ReflexEZS		08/08/2012	5664	<input type="checkbox"/>	Near end of magnetic basalt unit.
127.71	-46.1	337.1	23.37	0.47	ReflexEZS		08/08/2012	5738	<input checked="" type="checkbox"/>	T1F unit however magnetic reading not too bad.

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
<b>0.00</b>	<b>4.50</b>	<b>OVB Overburden</b>									
<b>4.50</b>	<b>21.40</b>	<b>T2 Basalt - Altered grey FG</b>	4.50	6.50	2.00	G279127	1.455	5420	19	37	-2
4.5 - 21.4: Strongly ankerite altered T2. Minor 5-20cm extensional veins. Upper 14m broken core with trace iron oxidescoating fracture surfaces. Pyrite mineralisation concentrated to upper and lower sections of unit.											
<<Min: 5.7 - 9.1 4% pyrite>>											
<<Min: 5.7 - 9.1 0.5% arsenopyrite>>											
<<Min: 9.1 - 20 0.5% pyrite>>											
<<Min: 20 - 21.4 5% pyrite>>											
<<Alt: 4.5 - 10.5 weak Iron oxide>>											
<<Alt: 4.5 - 21.4 strong Ankerite>>											
<<Alt: 13.4 - 16.25 moderate Sericite>>											
<<Vein: 5.5 - 5.7 Quartz>> broken oxidised likely ext											
			6.50	8.10	1.60	G279128	2.15	5690	24	39	-2
			8.10	9.10	1.00	G279129	1.295	3480	37	45	-2
			9.10	11.10	2.00	G279131	-0.005	55	65	90	-2
			11.10	13.10	2.00	G279132	0.133	175	56	76	-2
			13.10	15.10	2.00	G279133	0.444	130	52	53	-2
			15.10	17.10	2.00	G279134	-0.005	53	70	82	-2
			17.10	19.10	2.00	G279135	-0.005	32	59	105	-2
			19.10	20.00	0.90	G279136	-0.005	33	61	97	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-38

From (m) To (m) Rocktype & Description

<<Vein: 8.2 - 8.26 Quartz 20 deg. >>  
 <<Vein: 8.4 - 8.6 Quartz>> broken and oxidised likely ext  
 <<Vein: 13.1 - 13.22 Quartz>>  
 <<Vein: 16.2 - 16.21 Quartz 25 deg. >>

**21.40 23.50 T5 Quartz Vein white FCG**

21.4 - 23.5: Sharp upper contact with massive quartz vein from 21.4 to 21.9m. From 21.9m to 23.50m quartz vein contact with T2 runs parallel to core axis. Vein is faulted (20-15 deg) however contact seems to be un-faulted, and wavy. Abundant fine grained As 1% and Py 2% occurs as minor stringers and in grey clay altered wall rock inclusions, and mostly finely dis adjacent to contact. VG fleck located at 22.04m 1mm in from quartz margin. Sigmoidal ext vein?

<<Min: 21.4 - 23.5 2% pyrite>> and stringers  
 <<Min: 21.4 - 23.5 1% arsenopyrite>> fine grained as in stringers and quartz-wall rock margins  
 <<Min: 22.04 - 22.05 0.1% gold>>  
 <<Alt: 21.4 - 23.6 weak Clay>>  
 <<Vein: 21.4 - 21.9 Quartz 20 deg. >> faulted and broken, moderate sulphide/wall rock inclusion/stringers. Make a call on faulted extensional vein  
 <<Vein: 21.9 - 23.5 Quartz 5 deg. >> low angle section of vein, broken, components indicate ext texture.  
 <<Struc: 21.7 - 21.71 weak fault 15 deg. >>

**23.50 29.90 T2 Basalt - Altered grey FG**

23.5 - 29.9: Upper 50cm strongly Py+As mineralised. 26.6 to end of unit is strongly sheared locally containing wavy graphitic bands and qtz bands. (Shear veins).

<<Min: 23.5 - 24.1 5% pyrite>>  
 <<Min: 23.5 - 24.1 1.5% arsenopyrite>>  
 <<Min: 24.1 - 25.5 4% pyrite>>  
 <<Min: 25.5 - 29.9 0.5% pyrite>>  
 <<Alt: 23.5 - 29.9 strong Ankerite>>  
 <<Alt: 26.6 - 29.9 moderate Graphite>> related to clay and shearing.  
 <<Alt: 26.6 - 29.9 weak Clay>>  
 <<Vein: 23.7 - 23.78 Quartz 15 deg. >> similar style vein, minor sphalerite.  
 <<Vein: 26.6 - 26.75 Quartz>>  
 <<Vein: 28.75 - 28.78 Quartz 50 deg. >> sheared quartz veins part of larger shz  
 <<Vein: 29.4 - 29.55 Quartz 30 deg. >> slip plane upper surface.  
 <<Struc: 26.6 - 26.95 strong Sheared 70 deg. >>  
 <<Struc: 28.65 - 29.3 strong Sheared 50 deg. / moderate fault 70 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
20.00	21.40	1.40	G279137	4.7	1735	44	50	-2
21.40	21.90	0.50	G279138	0.164	1490	47	19	-2
21.90	23.50	1.60	G279139	36	10000. 1	17	34	2
23.50	25.50	2.00	G279141	5.67	3370	140	213	2
25.50	27.50	2.00	G279142	1.805	1640	173	124	-2
27.50	28.30	0.80	G279143	0.143	98	40	79	-2
28.30	29.90	1.60	G279144	0.048	204	61	65	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-38

From (m) To (m) Rocktype & Description

**29.90 36.95 T1A Pillow Basalt green FG**

29.9 - 36.95: Weak patchy blebby calcite + ankerite alteration.

<<Alt: 29.9 - 34.3 moderate Calcite>>

<<Alt: 29.9 - 36.95 weak Ankerite>>

**36.95 38.90 T2 Basalt - Altered cream FG**

36.95 - 38.9: Cream with green tinge lacking pyrite mineralisation. Multiple white extensional veins.

<<Alt: 36.95 - 41.9 weak Clay>>

<<Alt: 36.95 - 41.9 moderate Ankerite>>

<<Vein: 37 - 37.05 Quartz 60 deg. >>

<<Vein: 38.7 - 38.75 Quartz 65 deg. >>

**38.90 39.55 T5 Quartz Vein white FCG**

38.9 - 39.55: Massive extensional veining, minor wall rock inclusions.

<<Vein: 38.9 - 39.55 Quartz 21 deg. >>

**39.55 41.90 T2 Basalt - Altered cream FG**

39.55 - 41.9: Continuation of above unit. Trace euhedral py associated with 20cm extensional vein (undeformed).

<<Vein: 39.9 - 40.1 Quartz 45 deg. >>

**41.90 45.30 T1F Magnetic/Jasper Pillow Basalt green FG**

41.9 - 45.3: Strong pillow textures and weak blebby ankerite alteration. Jasper pods, however only weakly magentic.

<<Alt: 41.9 - 45.3 weak Ankerite>>

**45.30 49.50 T2 Basalt - Altered cream FG**

45.3 - 49.5: Patchy ankerite alteration. Only trace py associated with jasper pods.

<<Alt: 45.3 - 49.5 moderate Ankerite>>

<<Vein: 49.25 - 49.29 Quartz 50 deg. >>

**49.50 57.60 T1F Magnetic/Jasper Pillow Basalt green FG**

49.5 - 57.6: Gradational upper and lower alteration boundaries as with previous units.

**57.60 63.30 T2 Basalt - Altered cream FG**

57.6 - 63.3: Similar to last two weak T2 units. Relict pillow textures and jasper present. Minor clean extensional veining.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
29.90	31.90	2.00	G279145	-0.005	7	71	97	-2
31.90	33.90	2.00	G279146	-0.005	2	42	97	-2
33.90	35.90	2.00	G279147	-0.005	4	41	101	-2
35.90	36.95	1.05	G279148	-0.005	4	12	135	-2
36.95	38.90	1.95	G279149	0.029	53	47	84	-2
38.90	39.55	0.65	G279151	0.176	18	5	15	-2
39.55	41.90	2.35	G279152	0.053	20	22	71	-2
41.90	43.90	2.00	G279153	-0.005	2	71	99	-2
43.90	45.30	1.40	G279154	-0.005	3	122	90	-2
45.30	47.35	2.05	G279155	0.143	50	29	66	-2
47.35	49.50	2.15	G279156	-0.005	3	75	81	-2
49.50	51.50	2.00	G279157	-0.005	-2	77	99	-2
56.20	57.60	1.40	G279158	-0.005	-2	84	98	-2
57.60	59.60	2.00	G279159	0.018	38	107	96	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-38

From (m) To (m) Rocktype & Description

<<Alt: 57.6 - 61.65 moderate Ankerite>>

<<Alt: 61.65 - 63.1 weak Ankerite>>

<<Alt: 63.1 - 63.3 moderate Ankerite>>

<<Vein: 60.05 - 60.2 Quartz 40 deg. >>

<<Vein: 63.29 - 63.3 Quartz 55 deg. >> Marks alteration boundary.

**63.30 106.55 T1F Magnetic/Jasper Pillow Basalt green FG**

63.3 - 106.55: Dark green magnetic pillow basalt strong occurrence of 'oolitic' jasper. Moderate thin irregular qtz-calcite veining and chloritic/epidote-magnetite-hematite (trace cp) interstitial masses.

**106.55 110.10 T3 Pyritic Mineralised Zone grey FG**

106.55 - 110.1: Sharp but wavy upper alteration contacts (weak blebby Ak leading up in basalt). Fine to medium grained disseminated and minor clusters of Py (10-20%) lacking presence of significant quartz veining (trace <1cm irregular qtz+calcite veins. 106.8-107.5m Py 17% typical T3. Spotty/blebby ankerite alteration in proximal T1F almost seems to persist into 'T3' material with surrounding material altered to grey AK/PY matrix.

<<Min: 106.55 - 109.6 12% pyrite>> up to 17% fine grained Py, also medium grained and minor clustered py.

<<Alt: 106.55 - 110.1 strong Ankerite>>

**110.10 115.20 T1F Magnetic/Jasper Pillow Basalt green-brown FG**

110.1 - 115.2: Spotty weak ankerite alteration (and less magnetic), gradational upper and lower boundaries.

<<Alt: 110.1 - 115.2 weak Ankerite>>

**115.20 121.20 T2 Basalt - Altered grey FG**

115.2 - 121.2: Moderate ankerite alteration. Only significant sulphides occur at bottom of unit from 120.55m with fine Py+As associated with a minor 3cm qtz-shz.

<<Min: 120.55 - 121.2 4% pyrite>>

<<Min: 120.65 - 120.9 1% arsenopyrite>>

<<Alt: 115.2 - 121.2 strong Ankerite>>

<<Vein: 116.38 - 116.39 Quartz 55 deg. >>

<<Vein: 116.4 - 116.6 Quartz 50 deg. >> multistage qtz veining, trace shearing. Last stage ext, trace py+cp

<<Struc: 120.8 - 120.83 weak fault 50 deg. >> +qtz veining, associated with weak cy and fine As+Py mineralisation in T2

**121.20 133.81 T1F Magnetic/Jasper Pillow Basalt green FG**

121.2 - 133.81: Continuation of basaltic unit.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
59.60	61.60	2.00	G279161	0.35	172	75	82	-2
61.60	63.30	1.70	G279162	-0.005	-2	30	84	-2

63.30	64.90	1.60	G279163	0.008	-2	151	115	2
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103.65	105.00	1.35	G279164	-0.005	-2	77	104	-2
105.00	106.55	1.55	G279165	-0.005	3	44	119	-2
106.55	107.55	1.00	G279166	2.68	1990	39	64	6

107.55	109.10	1.55	G279167	2.46	1430	14	37	3
109.10	110.10	1.00	G279168	0.253	772	61	81	-2
110.10	112.10	2.00	G279169	-0.005	3	51	117	-2

112.10	114.10	2.00	G279171	-0.005	-2	83	113	-2
114.10	115.20	1.10	G279172	-0.005	-2	91	126	-2
115.20	116.80	1.60	G279173	0.289	10	116	89	-2

116.80	118.60	1.80	G279174	0.139	15	71	102	-2
118.60	120.50	1.90	G279176	-0.005	43	44	102	-2
120.50	121.20	0.70	G279177	2.47	6230	51	64	-2

121.20	123.00	1.80	G279178	-0.005	9	64	106	-2
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## Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-38**

From (m)	To (m)	Rocktype & Description
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**End of Hole @ 133.81**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
123.00	124.85	1.85	G279179	-0.005	7	50	104	-2

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-39

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ryan Congdon
Grid:		Hole Diameter:		Survey By:		Date Started:	10/08/2012
UTM Easting:	459773.53	Core Size:	NQ	Azimuth:	0	Date Completed:	10/08/2012
UTM Northing:	6570563.35	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1089.915	Casing Depth (m):	5.79	Length (m):	146	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	08/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	09/08/2012
Local Elev. (m):							

**Comments:**

Proposed hole TRS-DB drilled to the north testing the Highway Zone-Hill 88 gap stepped north of TA12-37. Again upper section (50m) was dominated by a T2 material with minor 5 m un-altered basalt. From this point down Drilling intersected fairly discrete 2-15 packages of strongly ankerite (weak sericite) altered basalt with un-altered basalt packages between (5-15m). The upper sections of the hole are dominated by T2 with decreasing abundance relative to un-altered pillow basalts downhole. Mineralised zones contain multiple 'clean; extensional qtz veins often with fine grained arsenopyrite halos. At 110.25-111.95m a pyrite rich altered unit occurs which could be classified as T3 for part containing abundant (15%) fine grained pyrite.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
8.84	-45	328.7	23.37	352.07	ReflexEZS		09/08/2012	5713	<input checked="" type="checkbox"/>	
103.33	-47.4	327.4	23.37	350.77	ReflexEZS		09/08/2012	5440	<input type="checkbox"/>	Located in T2 zone, not magnetic basalt, however magnetic field is abnormal.
139.9	-48.4	333.3	23.37	356.67	ReflexEZS		09/08/2012	5697	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
<b>0.00</b>	<b>5.79</b>	<b>OVB Overburden</b>									
<b>5.79</b>	<b>14.25</b>	<b>T1 Basalt grey-green FG</b>	5.79	7.80	2.01	G279181	0.04	244	73	87	17
5.79 - 14.25: Broken and in places friable weathered core, weak patchy ankerite alteration and pervasive calcite alteration. Arbiutary overburden point based on available core.											
<<Alt: 5.79 - 14.25 weak Ankerite>>											
<<Alt: 5.79 - 18.5 weak Iron oxide>>											
<<Alt: 5.79 - 19.5 weak Clay>>											
<<Alt: 9 - 15 moderate Calcite>>											
<b>14.25</b>	<b>29.20</b>	<b>T2 Basalt - Altered grey FG</b>	14.25	16.00	1.75	G279185	-0.005	16	68	92	-2
14.25 - 29.2: Moderately ankerite altered unit. 18.85-22m disseminated Py (3%) As 1% associated with multiple ext qtz veins.											
<<Min: 18.85 - 19.45 3% pyrite>>											
			16.00	18.00	2.00	G279186	0.161	1025	70	70	3

# Drill Log

Project:

Cassiar

Hole Number:

TA12-39

From (m) To (m) Rocktype & Description

<<Min: 18.85 - 19.45 1.5% arsenopyrite>>

<<Min: 19.45 - 23 3% pyrite>>

<<Min: 19.45 - 23 0.1% arsenopyrite>>

<<Alt: 14.25 - 29.2 strong Ankerite>>

<<Vein: 19.1 - 19.13 Quartz 40 deg. >>

<<Vein: 19.8 - 19.95 Quartz 45 deg. >>

<<Vein: 20.8 - 21 Quartz 55 deg. >> broken, irregular

<<Vein: 22 - 22.02 Quartz 40 deg. >>

<<Vein: 26.95 - 26.97 Quartz 45 deg. >>

<<Vein: 29.15 - 29.16 Quartz 40 deg. >>

**29.20 34.65 T1 Basalt green FG**

**34.65 50.65 T2 Basalt - Altered grey FG**

34.65 - 50.65: Strong ankerite and patchy sericite altered unit. Moderate Py and As patchy mineralisation associated with 2-5cm ext Qtz veins.

<<Min: 35.15 - 36.2 5% pyrite>>

<<Min: 35.15 - 36.2 1% arsenopyrite>>

<<Min: 36.2 - 38.5 0.5% pyrite>>

<<Min: 36.2 - 38.5 0.1% arsenopyrite>>

<<Min: 38.5 - 38.9 3% pyrite>> halo around ext Qtz vein

<<Min: 38.5 - 38.9 1.5% arsenopyrite>>

<<Min: 38.9 - 43.55 0.5% pyrite>>

<<Min: 38.9 - 45.1 0.1% arsenopyrite>>

<<Min: 43.55 - 45.1 5% pyrite>>

<<Min: 45.1 - 50.65 0.5% pyrite>>

<<Alt: 34.65 - 50.65 moderate Sericite>> Weak throughout and moderate through 1m zones.

<<Alt: 34.65 - 50.65 strong Ankerite>>

<<Vein: 35.5 - 35.59 Quartz 40 deg. >>

<<Vein: 37.1 - 37.18 Quartz 45 deg. >>

<<Vein: 38.7 - 38.75 Quartz 55 deg. >>

<<Vein: 41.25 - 41.28 Quartz 50 deg. >>

<<Struc: 44.15 - 44.2 strong Sheared 55 deg. >> graphitic+pyritic, minor breccia.

<<Struc: 49.5 - 49.53 strong Sheared 55 deg. >> graphitic, minor breccia.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
18.00	18.85	0.85	G279187	0.024	319	57	76	2
18.85	20.00	1.15	G279188	0.755	9260	49	57	-2
20.00	22.00	2.00	G279189	2.22	1590	57	68	2
22.00	23.00	1.00	G279191	1.33	2170	55	61	2
23.00	24.00	1.00	G279192	0.005	125	59	97	2
24.00	26.00	2.00	G279193	-0.005	49	79	108	-2
26.00	28.00	2.00	G279194	0.019	70	76	100	-2
28.00	29.20	1.20	G279195	-0.005	77	52	66	-2
29.20	31.20	2.00	G279196	-0.005	6	74	107	3
31.20	33.20	2.00	G279197	-0.005	3	62	102	-2
33.20	34.65	1.45	G279198	-0.005	9	65	99	-2
34.65	36.30	1.65	G279199	0.673	5960	82	70	3
36.30	38.30	2.00	G279201	0.065	126	55	99	4
38.30	40.30	2.00	G279202	0.222	2360	60	79	-2
40.30	42.30	2.00	G279203	0.128	1390	52	93	2
42.30	43.55	1.25	G279204	0.088	139	75	94	2
43.55	45.10	1.55	G279205	1.73	1220	29	43	5
45.10	47.00	1.90	G279206	0.1	227	63	79	-2
47.00	49.00	2.00	G279207	0.06	80	41	77	-2
49.00	50.65	1.65	G279208	0.327	204	59	77	2



# Drill Log

Project:

Cassiar

Hole Number:

TA12-39

From (m) To (m) Rocktype & Description

**50.65 55.90 T1 Basalt green FG**

**55.90 62.00 T2 Basalt - Altered grey FG**

55.9 - 62: Strong ankerite alteration with patchy Py (3%) & As (1%) disseminated mineralisation (1-2m zones). Minor 1-6cm ext vns.

<<Min: 56.6 - 57.2 3% pyrite>>

<<Min: 56.6 - 57.2 1% arsenopyrite>>

<<Min: 57.2 - 59.8 0.5% pyrite>>

<<Min: 59.8 - 62.7 2% pyrite>>

<<Min: 61.8 - 62 1.5% arsenopyrite>>

<<Alt: 55.9 - 63.15 strong Ankerite>>

<<Vein: 56.9 - 56.92 Quartz 50 deg. >>

<<Vein: 60.15 - 60.19 Quartz 45 deg. >>

<<Vein: 60.5 - 60.54 Quartz 45 deg. >>

**62.00 62.30 T5 Quartz Vein white FCG**

62 - 62.3: Sharp clean contacts, massive extensional vein, fine As + Py in surrounding T2 (20cm halo).

<<Vein: 62 - 62.3 Quartz 50 deg. >>

**62.30 63.15 T2 Basalt - Altered grey FG**

62.3 - 63.15: Continuation of T2 unit mod sharp boundary.

<<Min: 62.3 - 62.5 1.5% arsenopyrite>>

**63.15 76.45 T1 Basalt green FG**

63.15 - 76.45: Upper 7m contains pervasive calcite alteration. Minor diffuse extension calcite veins/bands.

<<Alt: 63.15 - 69.8 moderate Calcite>>

<<Alt: 66 - 66.4 moderate Ankerite>>

<<Struc: 66 - 66.4 moderate fault 30 deg. >> Thin calcite veining and cream qtz +chl weak breccia. Overall weak clay alteration.

**76.45 77.90 T2 Basalt - Altered grey FG**

76.45 - 77.9: Gradual alteration boundaries (Ak). Py 3%. 1 lonely 5cm ext vn.

<<Min: 76.45 - 77.9 3% pyrite>>

<<Alt: 76.45 - 77.9 strong Ankerite>>

<<Vein: 77.7 - 77.75 Quartz 45 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
50.65	52.00	1.35	G279209	-0.005	13	67	83	2
52.00	54.00	2.00	G279211	-0.005	4	68	87	-2
54.00	55.90	1.90	G279212	0.144	36	62	89	-2
55.90	57.90	2.00	G279213	0.187	3360	51	74	-2
57.90	59.80	1.90	G279214	0.041	194	56	88	2
59.80	61.00	1.20	G279215	1.62	4660	33	45	2
61.00	62.00	1.00	G279216	1.15	4290	51	64	3
62.00	62.30	0.30	G279217	0.215	2410	-1	8	-2
62.30	63.15	0.85	G279218	0.877	5850	49	67	-2
63.15	65.15	2.00	G279219	-0.005	86	70	96	2
65.15	66.75	1.60	G279221	0.015	66	83	99	-2
74.50	76.45	1.95	G279222	-0.005	55	58	111	-2
76.45	77.90	1.45	G279223	1.505	5680	24	39	2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-39

From (m) To (m) Rocktype & Description

**77.90 86.60 T1 Basalt**

**green FG**

77.9 - 86.6: Continuation of T1 unit.

<<Struc: 80.7 - 80.72 weak fault 60 deg. >> qtz vein

**86.60 92.00 T2 Basalt - Altered**

**grey FG**

86.6 - 92: Strongly pyritic (6%) T2, forming coarse hedrons and propogating from fracture lines. 91-91.15m abundant coase clusters Py (40%) possibly centred of clay alt minor frac/flt trace Qtz veining. Two 4+20cm ext in this T2 unit.

<<Min: 86.6 - 92 5% pyrite>>

<<Min: 91 - 91.15 40% pyrite>>

<<Alt: 86.6 - 92 strong Ankerite>>

<<Vein: 87.6 - 87.63 Quartz 60 deg. >>

<<Vein: 88.1 - 88.3 Quartz 45 deg. >>

**92.00 101.25 T1 Basalt**

**green FG**

92 - 101.25: Weak foliation, zone of large angular broken core pieces.

<<Struc: 92.4 - 92.6 weak Foliated 30 deg. >>

**101.25 104.00 T2 Basalt - Altered**

**grey FG**

101.25 - 104: Patchy ankerite and sericite alteration. In centre of unit 1m of fine Py (3%). Minor thin <1cm qtz and calcite veining.

<<Min: 102.4 - 103.45 3% pyrite>>

<<Alt: 101.25 - 104 weak Sericite>>

<<Alt: 101.25 - 104 strong Ankerite>>

<<Struc: 103.45 - 103.46 weak contact 50 deg. >> alt boundary (no vn or flt).

**104.00 110.25 T1 Basalt**

**green FG**

104 - 110.25: Weak pervasive calacite alteration. Lacks pillow textures.

<<Alt: 104 - 110.25 weak Calcite>>

**110.25 111.95 T2 Basalt - Altered**

**grey FG**

110.25 - 111.95: Possible to class as T3! Listed as T2 to stick to rules, however unit does contain zones (in particular upper 30cm) of v fine Py up to 20%. Remaining unit contains coarse hedrons, pyrite clusters (1cm) and fine grained wispy Py. Single messy 5cm qtz vein at 111m making highest Py aggregation. Sharp wavy alteration contacts (Typical T3).

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
77.90	79.90	2.00	G279224	-0.005	39	77	93	-2
79.90	81.90	2.00	G279226	0.009	27	66	86	-2
81.90	83.90	2.00	G279227	-0.005	11	67	97	-2
83.90	85.20	1.30	G279228	-0.005	5	64	83	-2
85.20	86.60	1.40	G279229	-0.005	26	73	94	-2
86.60	88.60	2.00	G279231	0.861	2370	33	47	3
88.60	90.60	2.00	G279232	0.626	554	18	48	-2
90.60	92.00	1.40	G279233	0.763	1845	29	40	6
92.00	94.00	2.00	G279234	0.006	26	70	95	2
99.25	101.25	2.00	G279235	-0.005	3	50	99	-2
101.25	102.50	1.25	G279236	-0.005	18	45	90	2
102.50	104.00	1.50	G279237	0.418	743	44	64	2
104.00	106.00	2.00	G279238	-0.005	5	67	101	2
106.00	108.50	2.50	G279239	-0.005	2	65	102	-2
108.50	110.25	1.75	G279241	-0.005	6	66	102	2
110.25	111.95	1.70	G279242	3.98	1860	34	44	10

# Drill Log

Project:

Cassiar

Hole Number:

TA12-39

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
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<<Min: 110.25 - 111.95 15% pyrite>> agregates + hedrons.

<<Alt: 110.25 - 111.95 strong Ankerite>>

<<Vein: 111 - 111.05 Quartz 45 deg. >>

**111.95 127.45 T1F Magnetic/Jasper Pillow Basalt green FG**

111.95	113.00	1.05	G279243	-0.005	13	66	99	2
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111.95 - 127.45: Upper 6m weakly 'calcitic' and chlortic sharply changing to darker pillow basalt at 117.7m also increasing in magnetite content. Lacks jasper.

<<Alt: 111.95 - 116.8 moderate Calcite>>

<<Alt: 126.6 - 127.45 weak Ankerite>>

**127.45 128.25 T2 Basalt - Altered grey FG**

113.00	115.00	2.00	G279244	-0.005	6	52	108	-2
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125.00	127.45	2.45	G279245	-0.005	39	57	98	5
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127.45	128.25	0.80	G279246	-0.005	83	98	89	-2
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127.45 - 128.25: Simply moderate to strong ankerite and weak silica alteration likely associated with chert contact. Blebby ankerite increases towards base of basalt unit lying above. Sharp little deformed contact to chert (para to bedding). Weakly foliated sub-para to contact. (ankerite blebs relatively un-strained).

<<Alt: 127.45 - 128.25 weak Silicification >>

<<Alt: 127.45 - 128.25 strong Ankerite>>

<<Struc: 127.45 - 128.25 weak Foliated 50 deg. >>

**128.25 146.00 5B Chert grey VFG**

128.25	129.25	1.00	G279247	-0.005	41	70	42	2
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128.25 - 146: Weak blebby ankerite alteration persists to 140m. Moderately banding/bedded with increased argillitic content (dark) and bands/beds (0.1-5cm) past 140m. Possible upper several metres shows strain along laminations however overall lacks significant deformation.

<<Alt: 128.25 - 146 weak Ankerite>>

<<Struc: 128.25 - 128.26 moderate contact 45 deg. >>

<<Struc: 130 - 130.1 moderate Bedded 40 deg. >>

<<Struc: 142.9 - 143 moderate Bedded 45 deg. >>

<<Struc: 145.4 - 145.5 moderate Bedded 30 deg. >>

**End of Hole @ 146**

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-40

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ryan Congdon
Grid:		Hole Diameter:		Survey By:		Date Started:	11/08/2012
UTM Easting	459587.32	Core Size:	NQ	Azimuth:	0	Date Completed:	11/08/2012
UTM Northing:	6570538.61	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1103.706	Casing Depth (m):	5.79	Length (m):	161.24	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title		Drill Started:	09/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	10/08/2012
Local Elev. (m):							

**Comments:**

Proposed hole TRS - DD, drilled to test Highway Zone-Hill 88 gap. Drilling intersected generally weakly mineralised 5 to 20 m altered basalt units featuring ext veining, interspaced by 2 to 25m unaltered basalts. A significant unit from 92.6 to 103.05 m contains abundant 2-20cm extensional qtz veins and disseminated py (5%) and As (0.1-1%). From 128.6 m to EOH at 161.24 m unaltered magnetitic pillow basalts in intersected lacking any zones of major deformation.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
6.1	-44.2	335.1	23.37	358.47	ReflexEZS		10/08/2012	5778	<input checked="" type="checkbox"/>	
54.5	-45.1	338.9	23.37	2.27	ReflexEZS		10/08/2012	5755	<input checked="" type="checkbox"/>	
103.33	-46.6	340.9	23.37	4.27	ReflexEZS		10/08/2012	5735	<input checked="" type="checkbox"/>	
149.05	-48.1	343.3	23.37	6.67	ReflexEZS		10/08/2012	5673	<input checked="" type="checkbox"/>	Survey in weakly magnetic basalt.

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
<b>0.00</b>	<b>5.00</b>	<b>OVB Overburden</b>									
<b>5.00</b>	<b>21.90</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>	<b>FG</b>							
		5 - 21.9: Strongly ankerite altered abundant thin 2-20mm ext quartz veins predominately sub-parrallel to one another. Limited py mineralisation except 17.9-20.35 5% associated with weak clay and graphite alteration.	5.00	7.00	2.00	G279248	-0.005	68	79	100	4
		<<Min: 5 - 14.9 0.5% pyrite>>	7.00	9.00	2.00	G279249	0.03	85	63	90	-2
		<<Min: 14.9 - 17.9 1% pyrite>>	9.00	11.00	2.00	G279251	0.034	54	57	83	-2
		<<Min: 17.9 - 20.35 6% pyrite>>	11.00	13.00	2.00	G279252	0.094	73	62	88	2
		<<Alt: 5 - 20.35 strong Ankerite>>	13.00	15.00	2.00	G279253	0.285	154	98	76	-2
		<<Alt: 17.9 - 20.35 weak Clay>>	15.00	17.00	2.00	G279254	0.839	383	104	63	-2
		<<Alt: 20.35 - 21.9 moderate Ankerite>>	17.00	17.90	0.90	G279255	0.391	292	57	86	-2
		<<Vein: 13.6 - 13.63 Quartz 50 deg. >>	17.90	19.00	1.10	G279256	1.97	1545	12	26	3
		<<Vein: 13.9 - 13.92 Quartz 45 deg. >>	19.00	20.35	1.35	G279257	1.05	855	17	79	4

# Drill Log

Project:

Cassiar

Hole Number:

TA12-40

From (m) To (m) Rocktype & Description

<<Vein: 15.1 - 15.12 Quartz 55 deg. >>  
 <<Vein: 17.45 - 17.46 Quartz 45 deg. >>  
 <<Vein: 18.2 - 18.21 Quartz 40 deg. >>  
 <<Struc: 7.95 - 8.25 moderate Brecciated 60 deg. >>  
 <<Struc: 11.2 - 11.21 weak fault 60 deg. >>  
 <<Struc: 17.65 - 17.85 weak Foliated 50 deg. >> cross-cut by ext qtz vns

**21.90 29.70 T1A Pillow Basalt**

**green**

**FG**

21.9 - 29.7: Patchy weak ankerite alteration proximal to gradational contact.

<<Alt: 21.9 - 23 weak Ankerite>>

<<Alt: 23 - 30.7 moderate Calcite>>

**29.70 34.15 T1 Basalt**

**green**

**FG**

29.7 - 34.15: Locally strongly banded and chloritic possibly also accomodating deformation. Lower contact weakly brecciated (volcanic) highlighted by weak ankerite alteration.

<<Alt: 30.2 - 34.15 moderate Ankerite>>

<<Struc: 29.95 - 30 moderate Sheared 60 deg. >>

<<Struc: 31.2 - 31.4 weak Foliated 50 deg. >>

**34.15 39.60 T2 Basalt - Altered**

**grey**

**FG**

34.15 - 39.6: Gradational alteration boundaries. Patchy mineralisation associated with 3&15cm ext veins with As(1-3%) + Py (3%) forming fine grained 10-20cm halos.

<<Min: 35.15 - 35.8 2% pyrite>>

<<Min: 35.15 - 35.8 1.5% arsenopyrite>>

<<Min: 35.8 - 38.45 0.5% pyrite>>

<<Min: 38.45 - 38.85 2% pyrite>>

<<Min: 38.45 - 38.85 3% arsenopyrite>>

<<Alt: 34.15 - 42 weak Ankerite>>

<<Vein: 35.35 - 35.5 Quartz 40 deg. >>

<<Vein: 38.55 - 38.57 Quartz 50 deg. >>

**39.60 42.00 T1 Basalt**

**green**

**FG**

39.6 - 42: Patchy weak ankerite alteration.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
20.35	21.90	1.55	G279258	0.009	57	97	101	-2
21.90	23.90	2.00	G279259	-0.005	17	72	106	-2
23.90	25.90	2.00	G279261	-0.005	9	85	94	-2
30.20	32.20	2.00	G279262	-0.005	35	80	105	-2
32.20	34.15	1.95	G279263	-0.005	50	74	99	-2
34.15	35.15	1.00	G279264	0.028	295	111	88	-2
35.15	35.90	0.75	G279265	1.165	10000. 1	54	57	-2
35.90	37.90	2.00	G279266	0.158	330	68	82	-2
37.90	39.60	1.70	G279267	0.208	2090	72	86	-2
39.60	40.00	0.40	G279268	-0.005	7	77	96	-2
40.00	42.00	2.00	G279269	0.006	2	54	93	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-40

From (m) To (m) Rocktype & Description

**42.00 45.70 T2 Basalt - Altered**

grey

FG

42 - 45.7: Moderate patchy alteration and weak pyrite mineralisation.

<<Min: 42 - 45.7 0.5% pyrite>>

<<Alt: 42 - 45.7 moderate Ankerite>>

<<Vein: 42.5 - 42.52 Quartz 50 deg. >>

<<Vein: 44.4 - 44.43 Quartz>>

<<Struc: 42.2 - 42.3 weak Foliated 35 deg. >>

**45.70 62.30 T1A Pillow Basalt**

green

FG

**62.30 63.60 T2 Basalt - Altered**

grey

FG

62.3 - 63.6: Gradual upper alteration contact. Lower 60cm to T5 is As +Py mineralised.

<<Min: 63 - 63.6 4% pyrite>>

<<Min: 63 - 63.6 1% arsenopyrite>>

<<Alt: 62.3 - 63.6 strong Ankerite>>

<<Vein: 63.1 - 63.25 Quartz 60 deg. >>

**63.60 65.20 T5 Quartz Vein**

white

FCG

63.6 - 65.2: Massive white extensional vein trace TT, PY As clusters.

<<Vein: 63.6 - 65.2 Quartz 22 deg. >>

**65.20 67.40 T2 Basalt - Altered**

grey

FG

65.2 - 67.4: Py mineralisation confined to 25cm adjacent to T5 contact, gradational lower boundary.

<<Min: 65.2 - 65.45 2% pyrite>>

<<Alt: 65.2 - 65.6 moderate Sericite>>

<<Alt: 65.2 - 67.4 moderate Ankerite>>

**67.40 92.60 T1 Basalt**

green

FG

67.4 - 92.6: Basalt- granular appearance locally possible due to chlorite retrograde metamorphism.

**92.60 93.05 T2 Basalt - Altered**

grey

FG

92.6 - 93.05: Sharp upper alteration contact.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
42.00	44.00	2.00	G279271	0.027	88	65	78	-2
44.00	45.70	1.70	G279272	0.071	619	55	90	-2
45.70	47.70	2.00	G279273	-0.005	23	77	113	-2
47.70	49.00	1.30	G279274	-0.005	7	65	104	-2
60.65	62.30	1.65	G279276	-0.005	42	69	95	-2
62.30	63.00	0.70	G279277	0.006	261	83	91	-2
63.00	63.60	0.60	G279278	0.623	7790	39	48	-2
63.60	65.20	1.60	G279279	0.339	1715	52	17	-2
65.20	65.70	0.50	G279281	0.374	4210	82	60	-2
65.70	67.40	1.70	G279282	-0.005	67	65	82	-2
67.40	69.00	1.60	G279283	-0.005	7	78	95	-2
89.00	90.60	1.60	G279284	-0.005	6	80	126	-2
90.60	92.60	2.00	G279285	-0.005	51	72	123	-2
92.60	93.05	0.45	G279286	3.87	10000. 1	41	53	-2

# Drill Log

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From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Min: 92.6 - 93.05 3% pyrite>> <<Min: 92.6 - 93.05 2% arsenopyrite>> <<Alt: 92.6 - 93.05 strong Ankerite>> <<Vein: 92.85 - 92.88 Quartz 25 deg. >>											
<b>93.05</b>	<b>93.50</b>	<b>T5 Quartz Vein</b>									
93.05 - 93.5: White massive extensional qtz vein, margins marked by increased coarse Py (minor As).											
<<Vein: 93.05 - 93.5 Quartz 40 deg. >>											
<b>93.50</b>	<b>97.20</b>	<b>T2 Basalt - Altered</b>									
93.5 - 97.2: Well mineralised by coarse Py (1-5%) and trace As, strongly associated with multiple 10-20cm extensional veins.											
<<Min: 93.5 - 97.2 5% pyrite>> <<Min: 93.5 - 97.2 0.1% arsenopyrite>> <<Alt: 93.5 - 97.2 strong Ankerite>> <<Vein: 93.9 - 94 Quartz 35 deg. >> <<Vein: 95.2 - 95.31 Quartz 50 deg. >> <<Vein: 96 - 96.2 Quartz 50 deg. >>											
<b>97.20</b>	<b>98.05</b>	<b>T1 Basalt</b>									
97.2 - 98.05: Section of un-altered basalt, fairly sharp contacts, brecciated lower T2 contact.											
<b>98.05</b>	<b>103.50</b>	<b>T2 Basalt - Altered</b>									
98.05 - 103.5: Continuation of pyritic T2 from up hole, several brecciated ext qtz veins with mineralised wall rock T2 inclusions and strong Py (8%)/As (1%) banding/disseminations.											
<<Min: 98.05 - 103.05 6% pyrite>> and fine grained. Also forming coarse bands and clusters within and on qtz vn margins. <<Min: 98.05 - 103.05 0.5% arsenopyrite>> <<Alt: 98.05 - 103.05 strong Ankerite>> <<Vein: 98.95 - 99.15 Quartz 60 deg. >> As rich angular wall rock inclusions <<Vein: 102.1 - 102.25 Quartz 50 deg. >> <<Vein: 102.3 - 102.51 Quartz 50 deg. >> weak bxd, banded py, likely late bx, ext text on lwr margin <<Struc: 98.05 - 98.45 moderate Brecciated 60 deg. >> 1-5cm sections of breccia material (sub-rounded T2 clast), with graphitic matrix and also later calcite breccia.											
<b>103.50</b>	<b>125.90</b>	<b>T1A Pillow Basalt</b>									
<<Alt: 104 - 123.75 moderate Calcite>> <<Alt: 117.1 - 118.3 weak Ankerite>>											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-40

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Alt: 123.75 - 125.9 weak Ankerite>> <<Struc: 115.1 - 115.2 weak Foliated 50 deg. >>											
<b>125.90</b>	<b>128.60</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>			<b>FG</b>					
125.9 - 128.6: Gradational alteration contacts, alteration and weak coarse Py/As mineralisation centred on 8cm ext qtz vein.											
<<Min: 127.3 - 127.45 0.5% pyrite>> <<Min: 127.3 - 127.45 0.5% arsenopyrite>> <<Alt: 125.9 - 128.6 strong Ankerite>> <<Vein: 127.35 - 127.43 Quartz 25 deg. >>											
<b>128.60</b>	<b>161.24</b>	<b>T1F Magnetic/Jasper Pillow Basalt</b>	<b>green</b>			<b>FG</b>					
128.6 - 161.24: Green basalt, minor pillow textures. Blebby calcite alteration decreases while magnetite increases downhole. Minor jasper stringers with associated cubic pyrite. Broken core zone at 137-140m in an otherwise competent unit.											
<<Alt: 128.6 - 130 weak Ankerite>> <<Alt: 129 - 140 weak Calcite>>											
<b>End of Hole @ 161.24</b>											



# Drill Log

**Project:** Cassiar **Hole Number:** TA12-41

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ryan Congdon
Grid:		Hole Diameter:		Survey By:		Date Started:	12/08/2012
UTM Easting:	459359.54	Core Size:	NQ	Azimuth:	270	Date Completed:	14/08/2012
UTM Northing:	6570427.81	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-70	Drill Company:	Apex
UTM Elev. (m):	1093.22	Casing Depth (m):	5.79	Length (m):	252.68	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	11/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	13/08/2012
Local Elev. (m):							

**Comments:**

Proposed hole TRS- AE. Drilled west at -70 deg to test the planar centre section of the east dipping 'Taurus West Structure' and associated T3 mineralisation. Drilling encountered generally weakly mineralised altered and un-altered basalts to a depth of 97.9m Majority of extensional quartz veins intersected in the upper T2 zones show shallow angles to core axis, ie drilling sub-parallel to Hill 88 East-west orientated structures. The first T3 unit was intersected from 97.9 to 100.2m, followed by well altered and mineralized T2, T3 and T5 units all the way till thin graphitic faulting at 168.5m marked a change to sedimentary units to 179.53 m. Minor 4 m of T3/T2 were intersected directly below probable sediments/thrusts then followed by un-altered mafic units to end of hole at 252.68m.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
57.61	-68.5	250.2	23.37	273.57	ReflexEZS		11/08/2012	5709	<input checked="" type="checkbox"/>	
103.33	-69.1	246.4	23.37	269.77	ReflexEZS		11/08/2012	5702	<input checked="" type="checkbox"/>	
176.5	-70	246.4	23.37	269.77	ReflexEZS		12/08/2012	5684	<input checked="" type="checkbox"/>	
191.7	-70.7	250.2	23.37	273.57	ReflexEZS		13/08/2012	5746	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-				
<b>0.00</b>	<b>8.84</b>	<b>OVB Overburden</b>													
0 - 8.84: Spun heterolithic core in box from 5 to around 6.5m. Followed by likely T1+T2 boulders with clay + pebble infill (sub-crop)															
<b>8.84</b>	<b>14.25</b>	<b>T2 Basalt - Altered</b>	<b>grey-brown</b>	<b>FG</b>											
8.84 - 14.25: Broken T2 with clay + Feoxide altered fractures and trace py hedrons.															
<<Min: 8.84 - 14.25 0.5% pyrite>>							10.50	12.50	2.00	G279305	0.014	100	60	77	3
<<Alt: 8.84 - 13 weak Iron oxide>>							12.50	14.25	1.75	G279306	0.03	180	57	73	-2
<<Alt: 8.84 - 14.25 strong Ankerite>>															
<<Struc: 12.25 - 12.8 strong fault breccia 40 deg. >> Weakly sheared with sub-angular qtz fragments (0.5-1.5cm)															

# Drill Log

Project:

Cassiar

Hole Number:

TA12-41

From (m) To (m) Rocktype & Description

**14.25 37.20 T1A Pillow Basalt grey-green FG**

14.25 - 37.2: Competent core with minor carbonate and clay fractures. Fairly strong boundaries where Ak alt becomes strong however throughout T1 weak blebby ankerite alteration exists. Possibly due to oblique angle of drilling and E-W upper min structures.

<<Alt: 14.25 - 37.2 weak Ankerite>>

**37.20 39.20 T2 Basalt - Altered grey FG**

37.2 - 39.2: Strong fine to coarse py (8%) increasing to lower vein contact.

<<Min: 37.2 - 38.35 8% pyrite>> and fine grained packed bands (1-2cm)

<<Min: 38.35 - 40.05 0.5% pyrite>>

<<Alt: 37.2 - 39.2 strong Ankerite>>

**39.20 40.05 T5 Quartz Vein white FCG**

39.2 - 40.05: sharp 20 deg (tca) contacts, extensional with moderate 1-10mm Py+wall rock stringers (para to contacts). True width likely 50cm.

<<Vein: 39.2 - 40.05 Quartz 25 deg. >> Moderate pyrite stringers.

**40.05 45.10 T2 Basalt - Altered grey FG**

40.05 - 45.1: Strong ankerite and pyritohedrons (5%).

<<Min: 40.05 - 45.1 5% pyrite>>

<<Alt: 40.05 - 45.1 strong Ankerite>>

**45.10 46.20 T5 Quartz Vein white FCG**

45.1 - 46.2: Similar to preceding T5, slightly weaker Py and added occurrence of pale blue clay material on internal frac surfaces.

<<Min: 45.1 - 46.2 0.5% pyrite>>

<<Alt: 45.2 - 60.65 strong Ankerite>>

<<Vein: 45.1 - 46.2 Quartz 20 deg. >>

**46.20 60.65 T2 Basalt - Altered grey FG**

46.2 - 60.65: Strongly ankeritic containing multiple 1-3cm low angle extensional qtz veins, associated with minor patchy Py (2%) and As (1.5%) locally.

<<Min: 46.2 - 47.2 3% pyrite>>

<<Min: 47.2 - 53.15 0.5% pyrite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
14.25	16.00	1.75	G279307	-0.005	19	85	79	2
16.00	18.00	2.00	G279308	-0.005	2	70	91	-2
18.00	19.30	1.30	G279309	-0.005	3	86	92	-2
33.20	35.20	2.00	G279311	-0.005	2	93	99	-2
35.20	37.20	2.00	G279312	-0.005	19	68	103	2
37.20	38.35	1.15	G279313	0.087	1825	59	89	2
38.35	39.20	0.85	G279314	2.87	1370	52	51	4
39.20	40.08	0.88	G279315	0.525	418	18	42	-2
40.08	42.00	1.92	G279316	0.55	1115	45	41	3
42.00	44.00	2.00	G279317	0.618	2400	52	67	2
44.00	45.10	1.10	G279318	0.747	1185	26	35	3
45.10	46.20	1.10	G279319	0.116	129	5	9	-2
46.20	47.20	1.00	G279321	1.51	811	140	55	4
47.20	49.20	2.00	G279322	0.019	82	58	98	-2
49.20	51.20	2.00	G279323	0.008	70	73	102	2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-41

From (m) To (m) Rocktype & Description

<<Min: 53.15 - 54 2% pyrite>>

<<Min: 53.15 - 54 2% arsenopyrite>>

<<Min: 54 - 60.65 0.5% pyrite>>

<<Min: 54.45 - 55 1.5% arsenopyrite>>

<<Vein: 46.4 - 46.41 Quartz 60 deg. >>

<<Vein: 51.4 - 51.43 Quartz 15 deg. >> Trace TT clusters.

<<Vein: 52 - 52.03 Quartz 25 deg. >>

<<Vein: 53.55 - 53.66 Quartz 25 deg. >> Messy minor sercitic zones.

**60.65 76.30 T1A Pillow Basalt grey-green FG**

60.65 - 76.3: Green grey pillow basalt with weak blebby ankerite alteration, increasing and mottle from 71.7m to end of unit.

<<Alt: 60.65 - 71.7 weak Ankerite>>

<<Alt: 71.7 - 76.3 moderate Ankerite>>

**76.30 80.55 T2 Basalt - Altered grey-green FG**

76.3 - 80.55: Increased moderate to strong patchy ankerite alteration 5-10cm zones of poor alteration. Py (0.5%) occurs in stonger altered zones. Irregular and irratic 0.5-1cm qtz veins.

<<Min: 76.3 - 80.55 0.5% pyrite>>

<<Alt: 76.3 - 80.55 strong Ankerite>>

<<Vein: 78.7 - 78.71 Quartz 15 deg. >>

<<Struc: 77.8 - 77.82 strong fault breccia 30 deg. >> graphitic

**80.55 97.90 T1A Pillow Basalt green FG**

80.55 - 97.9: Green massive basalt with minor pillow textures. Central part 85 to 87.7m contains patchy ankerite alteration associated with thin low angle qtz veining. Pervasive calcite alteration continues to end of unit. Also at bottom of unit from 96.7 m str AK alteration propogates 1-5cm from low angle (tca) thin qtz veins.

<<Alt: 80.55 - 85.45 weak Ankerite>>

<<Alt: 85.45 - 87.5 moderate Ankerite>>

<<Alt: 87.5 - 98 moderate Calcite>>

<<Alt: 96.7 - 98.2 moderate Ankerite>>

<<Vein: 85.55 - 85.56 Quartz 5 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
51.20	53.15	1.95	G279324	0.016	67	35	77	2
53.15	55.15	2.00	G279326	0.459	10000.1	43	89	2
55.15	57.15	2.00	G279327	0.015	58	70	89	2
57.15	59.00	1.85	G279328	-0.005	25	73	95	2
59.00	60.65	1.65	G279329	-0.005	5	50	98	2
60.65	62.00	1.35	G279331	-0.005	-2	54	94	-2
62.00	64.00	2.00	G279332	-0.005	3	76	99	-2
69.80	71.80	2.00	G279333	-0.005	4	54	103	2
71.80	73.80	2.00	G279334	0.005	11	48	104	-2
73.80	75.00	1.20	G279335	-0.005	20	19	108	2
75.00	76.30	1.30	G279336	-0.005	21	35	109	-2
76.30	78.30	2.00	G279337	0.034	115	65	101	-2
78.30	79.50	1.20	G279338	0.067	113	52	100	-2
79.50	80.55	1.05	G279339	0.083	181	85	109	-2
80.55	82.50	1.95	G279341	-0.005	5	66	115	-2
82.50	84.50	2.00	G279342	-0.005	2	66	106	-2
84.50	86.50	2.00	G279343	0.007	50	63	103	-2
86.50	88.50	2.00	G279344	0.03	66	65	100	-2
94.40	96.40	2.00	G279345	-0.005	18	53	105	-2
96.40	98.20	1.80	G279346	0.032	131	66	103	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-41

From (m) To (m) Rocktype & Description

**97.90 100.20 T3 Pyritic Mineralised Zone grey FG**

97.9 - 100.2: Upper zone of larger T2 unit, light grey alteration with intense fine grained Py (15-30%) mineralisation. Possible very weak foliation defined by py wisps 40-70 deg (low confidence). Thin 1-5mm faulted and weakly folded qtz veins.

<<Min: 98.2 - 100.2 20% pyrite>>  
 <<Alt: 98.2 - 114.9 strong Ankerite>>  
 <<Vein: 99.5 - 99.51 Quartz 40 deg. >> planar poss movement  
 <<Vein: 99.7 - 99.71 Quartz 20 deg. >>

**100.20 107.10 T2 Basalt - Altered grey FG**

100.2 - 107.1: Grey ankerite altered unit featuring low-moderate angle, discontinuous and truncated thin qtz veining (1-10mm) with minor zones of quartz breccia. Several 4-10cm extensional veining in centre of unit with associated 1m fine to coarse disseminated pyrite halo. Multiple thin very low angle faults offsetting qtz veins and possibly creating related tension gash veining. Coarse pyrite near ext veins poss overprint fine pyrite.

<<Min: 100.2 - 107.1 0.5% pyrite>>  
 <<Vein: 102.7 - 102.71 Quartz 40 deg. >> irregular  
 <<Struc: 101.5 - 101.55 moderate fault 5 deg. >> Thin fault showing possible tension gash/ext vein creation and/or stepping of existing veins (photo)

**107.10 108.05 T3 Pyritic Mineralised Zone grey FG**

107.1 - 108.05: Fine strong pyritic mineralisation. Sharp undulating upper contact.

<<Min: 107.1 - 108.5 10% pyrite>>

**108.05 114.90 T2 Basalt - Altered grey FG**

108.05 - 114.9: Grey ankerite altered unit featuring low-moderate angle, discontinuous and truncated thin qtz veining (1-10mm) with minor zones of quartz breccia. Several 4-10cm extensional veining in centre of unit with associated 1m fine to coarse disseminated pyrite halo. Multiple thin very low angle faults offsetting qtz veins and possibly creating related tension gash veining. Coarse pyrite near ext veins poss overprint fine pyrite.

<<Min: 108.5 - 109.9 8% pyrite>> and finely diss.  
 <<Min: 109.9 - 114 1% pyrite>> Zones (10cm) of more intense finely dis py.  
 <<Min: 114 - 115.1 8% pyrite>> fine to coarse grained  
 <<Vein: 109 - 109.11 Quartz 30 deg. >>  
 <<Vein: 109.25 - 109.29 Quartz 30 deg. >>  
 <<Struc: 109.95 - 109.97 weak fault 5 deg. >>

**114.90 117.55 T5 Quartz Vein white FCG**

114.9 - 117.55: Massive white likely extensional quartz vein. Upper and lower margins (20-30 deg) marked by strong fcg pyrite mineralisation in particular the upper margin is moderately brecciated for 40cm with pyrite infilling.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
98.20	100.20	2.00	G279347	1.215	1525	22	31	18
100.20	102.20	2.00	G279348	0.154	342	65	45	-2
102.20	104.20	2.00	G279349	0.112	185	97	92	-2
104.20	106.20	2.00	G279351	0.057	208	177	109	-2
106.20	107.10	0.90	G279352	0.009	105	74	119	-2
107.10	108.05	0.95	G279353	1	1065	35	47	5
108.05	109.70	1.65	G279354	0.734	1200	13	26	2
109.70	111.70	2.00	G279355	1.21	174	79	65	-2
111.70	113.70	2.00	G279356	0.545	773	55	48	-2
113.70	114.90	1.20	G279357	0.418	875	25	36	-2
114.90	115.55	0.65	G279358	0.873	909	6	14	7

# Drill Log

Project:

Cassiar

Hole Number:

TA12-41

From (m) To (m) Rocktype & Description

<<Min: 115.1 - 117.2 0.5% pyrite>>

<<Min: 115.1 - 117.2 0.1% chalcopyrite>>

<<Min: 117.2 - 119.25 8% pyrite>> fine to coarse grained and forming 1-2cm bands in qtz margin.

<<Vein: 114.9 - 117.55 Quartz 25 deg. >> massive upper cont py + bxd

<<Struc: 114.9 - 115.2 weak Brecciated >>

**117.55 119.25 T2 Basalt - Altered grey FG**

117.55 - 119.25: Strongly pyritic (8%) forming coarse euhedrons.

<<Alt: 117.55 - 119.25 strong Ankerite>>

**119.25 122.00 T5 Quartz Vein white FCG**

119.25 - 122: White bull quartz, minor pyrite clusters except for abundant pyrite infilling brecciated quartz on the lower 20cm of quartz.

<<Min: 121.8 - 124 15% pyrite>>

<<Vein: 119.25 - 122 Quartz 35 deg. >>

<<Struc: 121.8 - 122 weak Brecciated >>

**122.00 124.00 T3 Pyritic Mineralised Zone grey FG**

122 - 124: Strong finely disseminated py (15%) strong ankerite alteration upper 20cm of unit contains coarse grained pyrite and lesser fine grained, T3 possibly somewhat separate to quartz/Cg pyrite.

<<Alt: 122 - 124 strong Ankerite>>

**124.00 133.30 T1 Basalt green FG**

124 - 133.3: Green weak pervasive and blebby ankerite alteration, gradational upper and lower alteration contacts.

<<Alt: 124 - 133.3 weak Ankerite>>

**133.30 137.15 T2 Basalt - Altered grey FG**

133.3 - 137.15: Strong ankerite altered unit and strong fine to coarse grained pyrite (15%) mineralisation in the lower 136.15 m to 137.15 m to T5. With fine 3 style mineralisation with sharp boundries for upper 45cm. Start of unit is marked by thin (1-5mm) discontinuous cream quartz veins with minor fault offsets.

<<Min: 133.3 - 136.15 0.5% pyrite>>

<<Min: 136.15 - 136.6 15% pyrite>> fairly sharpish contacts.

<<Min: 136.6 - 137.15 20% pyrite>> fine and also coarse aggregates.

<<Alt: 133.3 - 137.15 strong Ankerite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
115.55	116.90	1.35	G279359	1.985	31	240	7	-2
116.90	117.55	0.65	G279361	1.365	1200	3	9	2

117.55	119.25	1.70	G279362	0.677	834	41	47	-2
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119.25	120.50	1.25	G279363	-0.005	19	-1	3	-2
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120.50	122.00	1.50	G279364	0.859	508	1	3	-2
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122.00	124.00	2.00	G279365	1.01	1085	57	51	-2
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124.00	126.00	2.00	G279366	0.01	48	43	99	-2
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126.00	128.00	2.00	G279367	-0.005	12	46	99	-2
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128.00	130.00	2.00	G279368	0.051	81	72	107	-2
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130.00	132.00	2.00	G279369	-0.005	11	60	106	-2
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132.00	133.30	1.30	G279371	-0.005	32	46	109	-2
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133.30	135.00	1.70	G279372	0.481	912	80	93	-2
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135.00	136.15	1.15	G279373	0.027	134	199	109	-2
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136.15	137.15	1.00	G279374	1.61	1780	30	28	3
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-41

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
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<<Vein: 134.5 - 134.51 Quartz 40 deg. >>

<<Struc: 133.3 - 133.34 weak contact 75 deg. >> alt contact

<<Struc: 136.15 - 136.16 weak contact 70 deg. >> t3 contact low confidence

<<Struc: 136.6 - 136.61 weak contact 60 deg. >>

**137.15 138.60 T5 Quartz Vein white FCG**

137.15	138.60	1.45	G279376	0.677	598	1	2	-2
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137.15 - 138.6: White quartz vein with 1-2cm wall rock and pyritic clusters, lower contact strongly brecciated. Likely extensional.

<<Min: 137.15 - 138.6 3% pyrite>>

<<Vein: 137.15 - 138.6 Quartz 35 deg. >> clusters of py

**138.60 148.35 T2 Basalt - Altered grey FG**

138.60	139.90	1.30	G279377	0.719	827	37	68	-2
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138.6 - 148.35: Strong ankerite altered unit, with strong fine to very coarse pyrite mineralisation (1-10%). Somewhat patchy in abundance with some zones (146.3-146.9) containing T3 style very fine grained Pyrite exclusively with banded/weak faulted contacts. Moderate thin erratic discontinuous (2-19mm) cream quartz veins. In parts cross-cut by 1-4cm clean extensional veins (undulating contacts). Lets say early erratic veining occurs early in less dilational/ductile regime with pervasive pyrite mineralisation fluids, followed by later coarse and large extensional veining?

<<Min: 138.6 - 139.7 10% pyrite>> and medium grained.

<<Min: 139.7 - 141.6 0.5% pyrite>>

<<Min: 141.6 - 145.4 6% pyrite>> fine and very coarse grained

<<Min: 145.4 - 146.3 1% pyrite>>

<<Min: 146.3 - 146.9 9% pyrite>>

<<Min: 146.9 - 148.35 1% pyrite>>

<<Alt: 138.6 - 153.65 strong Ankerite>>

<<Vein: 141.8 - 141.86 Quartz 25 deg. >>

<<Vein: 144.2 - 144.47 Quartz 40 deg. >>

<<Vein: 144.8 - 144.82 Quartz 20 deg. >>

<<Vein: 146.2 - 146.21 Quartz 35 deg. >>

<<Vein: 148.3 - 148.31 Quartz 50 deg. >>

<<Struc: 146.9 - 146.91 weak fault 30 deg. >> +T3 contact

**148.35 153.65 T3 Pyritic Mineralised Zone grey FG**

148.35	150.00	1.65	G279385	1.155	1170	29	39	6
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148.35 - 153.65: Strongly pyritic up to 35% pyrite. Minor coarse pyrite increases to lower contact with T5. Trace banding evident (45 tca). Upper contact alteration and pyrite marked by thin qtz veins around 45 deg (tca). Possible to interpret relatively shallow dipping structures.

<<Min: 148.35 - 151.5 15% pyrite>>

<<Min: 151.5 - 152.1 20% pyrite>>

<<Min: 152.1 - 153.65 15% pyrite>>

150.00	152.00	2.00	G279386	2.5	1860	27	26	7
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152.00	153.65	1.65	G279387	1.96	1610	17	23	7
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-41

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-				
<<Vein: 148.5 - 148.51 Quartz 45 deg. >> marking alt + T3 boundary <<Vein: 151.15 - 151.17 Quartz 70 deg. >> <<Struc: 148.6 - 148.61 weak Bedded 30 deg. >> t3 bandind py <<Struc: 152.4 - 152.41 moderate fault 20 deg. >> <<Struc: 152.9 - 152.92 weak Foliated 45 deg. >> trace py banding/foliation															
<b>153.65</b>	<b>155.30</b>	<b>T5 Quartz Vein</b>	<b>white</b>			<b>FCG</b>	153.65	155.30	1.65	G279388	0.022	38	-1	2	-2
153.65 - 155.3: White bucky quartz vein lacking significant py mineralisation on margins. Un-brecciated contacts. <<Vein: 153.65 - 155.3 Quartz 25 deg. >>															
<b>155.30</b>	<b>156.00</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>			<b>FCG</b>	155.30	156.00	0.70	G279389	2.67	2010	24	18	15
155.3 - 156: Very strong pyrite mineralisation fine to coarse grained, also containing 5 to 3cm qtz veins. 155.7to 155.9m is semi massive pyrite on low angle qtz contact. <<Min: 155.3 - 156 15% pyrite>> and coarse aggregates. <<Alt: 155.3 - 156 strong Ankerite>> <<Alt: 155.8 - 168.5 moderate Graphite>>															
<b>156.00</b>	<b>157.15</b>	<b>T5 Quartz Vein</b>	<b>white</b>			<b>FCG</b>	156.00	157.15	1.15	G279391	0.014	26	-1	4	-2
156 - 157.15: White massive quartz vein, fairly sharp contacts and minor wall rock (1-3cm) inclusions and weak thin banding. <<Vein: 156 - 157.15 Quartz 65 deg. >>															
<b>157.15</b>	<b>158.15</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>			<b>FG</b>	157.15	158.15	1.00	G279392	1.335	1215	21	29	3
157.15 - 158.15: T2 unit between quartz veining, strong pyrite fine to coarse and erratic (stockwork) cream and larger white veining. <<Min: 157.15 - 158.15 8% pyrite>> and fine grained <<Alt: 157.15 - 158.15 strong Ankerite>>															
<b>158.15</b>	<b>159.80</b>	<b>T5 Quartz Vein</b>	<b>white</b>			<b>FCG</b>	158.15	159.80	1.65	G279393	0.369	410	2	5	-2
158.15 - 159.8: White quartz vein, predominately massive, with 5-3cm pyritic wall rock inclusions, combined to one T5 unit. <<Min: 158.15 - 159.8 1% pyrite>> <<Vein: 158.15 - 159.8 Quartz 45 deg. >>															
<b>159.80</b>	<b>162.80</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>			<b>FG</b>	159.80	161.25	1.45	G279394	1.3	1300	21	25	-2
159.8 - 162.8: Strong ankerite alteration and pyrite content. Upper zone continues to contain abundant 2-15cm ext quartz veins with associated fine to coarse Py to end of unit. <<Min: 159.8 - 162.8 6% pyrite>> and minor fine grained <<Alt: 159.8 - 168.5 strong Ankerite>>															
							161.25	162.80	1.55	G279395	1.34	2040	7	21	-2



# Drill Log

Project:

Cassiar

Hole Number:

TA12-41

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Vein: 161.95 - 162.02 Quartz 45 deg. >>											
<b>162.80</b>	<b>163.60</b>	<b>T3 Pyritic Mineralised Zone grey FG</b>	162.80	163.60	0.80	G279396	2.59	1855	18	24	3
162.8 - 163.6: Fine pyritic unit, gradational boundary to fine and coarsly disseminated pyrite.											
<<Min: 162.8 - 163.6 12% pyrite>>											
<b>163.60</b>	<b>168.50</b>	<b>T2 Basalt - Altered grey FG</b>	163.60	165.60	2.00	G279397	2.17	2120	10	21	5
163.6 - 168.5: Strong ankerite alteration and pyrite content. Thin faults offsetting thin qtz veins and graphitic fractures/thin breccias increase downhole (with coarse pyrite) to 168.5m end of unit marked with 2cm graphitic shearzone/fault. Strong candidate for one upper thrust/fault.											
<<Min: 163.6 - 166.3 7% pyrite>>											
<<Min: 166.3 - 179.53 0.5% pyrite>>											
<<Struc: 163.9 - 163.92 weak fault breccia 60 deg. >>											
<<Struc: 164.9 - 164.91 weak fault 50 deg. >>											
<<Struc: 164.9 - 168.5 weak fault>>											
<<Struc: 165.82 - 165.9 strong fault 60 deg. >> extremely graphitic											
<b>168.50</b>	<b>169.15</b>	<b>5DD Argillite grey-green FG</b>	168.50	169.15	0.65	G279401	0.021	125	48	67	-2
168.5 - 169.15: Logged as argillite however unit is interpreted to be bands of argillite material and mafic sedimentary material, weakly clay altered and trace blebby ankerite. Does not seem to be strong graphitic alteration as seen in other holes. Graphite faulted/sheared upper and lower contacts.											
<<Struc: 168.5 - 168.52 strong Sheared 75 deg. >> Graphitic/clay, change in rock type. Pick it											
<<Struc: 168.8 - 168.9 moderate Bedded 45 deg. >>											
<b>169.15</b>	<b>169.80</b>	<b>T2 Basalt - Altered grey-green FG</b>	169.15	169.80	0.65	G279402	0.016	119	95	120	-2
169.15 - 169.8: T2 unit with multiple thin faulting and thin qtz veining. Minor 1-6cm graphitic zones with deformed, folded quartz veining. Sharp possible original lower contact to larger sediment unit below.											
<<Alt: 169.15 - 169.8 moderate Ankerite>>											
<<Struc: 169.2 - 169.25 weak Sheared 80 deg. >>											
<<Struc: 169.5 - 169.52 weak fault breccia 70 deg. >>											
<b>169.80</b>	<b>176.00</b>	<b>5DD Argillite black VFG</b>	169.80	170.50	0.70	G279403	0.031	90	50	91	8
169.8 - 176: Laminated black argillite with minor 1-25cm chert bands. Broken 5-30cm zones locally. Thin (1-4mm) qtz veins cross-cut bedding and also show tiny offset from movement along bedding planes. 172.6 to 172.8m is coarsly brecciated above a 25cm chert band.											
<<Vein: 173.3 - 173.31 Quartz 45 deg. >>											
<<Struc: 169.8 - 169.81 moderate contact 50 deg. >>											
<<Struc: 172.6 - 172.8 moderate Brecciated >>											
			170.50	172.50	2.00	G279404	0.012	55	45	78	6
			172.50	174.00	1.50	G279405	0.016	24	53	43	4
			174.00	176.00	2.00	G279406	0.007	34	58	77	8



# Drill Log

Project:

Cassiar

Hole Number:

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From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Struc: 175.7 - 175.8 moderate Bedded 40 deg. >> <b>176.00 179.53 5B Chert grey VFG</b>											
176.00	176.50		176.00	176.50	0.50	G279407	0.01	12	40	19	3
176 - 179.53: Upper 40cm of this chert unit is strongly faulted/brecciated. Zone is clay altered with 'milled' chert and graphitic sub-angular 1-5mm fragments. In the centre a 3mm fine Py band occurs at the same orientation as fault contacts and banding. The drill run below the above described zone from 176.48 to 179.53 m suffers huge loss of core (2.7m loss) due to ground and dropped core and mis-latch. Fragments are chert in places brecciated, offering the interpretation of a faulted chert zone. This unit can be interpreted as a possible lower fault/thrust zone to mineralised basalt package below? Two thrust panels above? <<Struc: 176 - 176.4 intense fault breccia 50 deg. >> pick it <<Struc: 176.4 - 179.53 weak fault>> core loss possible continuation of fault zone (see litho)											
<b>179.53 182.00 T2 Basalt - Altered grey FG</b>											
179.53	180.90		179.53	180.90	1.37	G279409	0.174	231	40	65	-2
179.53 - 182: Strong ankerite alteration lacking major deformation. Upper 1.5m contains graphitic fracturing and moderate diss Py (4%). <<Min: 179.53 - 180.9 4% pyrite>> <<Min: 180.9 - 182 0.5% pyrite>> <<Alt: 179.53 - 183.2 strong Ankerite>>											
<b>182.00 183.20 T3 Pyritic Mineralised Zone grey FG</b>											
182.00	183.20		182.00	183.20	1.20	G279412	3.7	1760	29	27	19
182 - 183.2: Strong fine grained py (12-25%) cut by minor thin qtz and calcite veining. Fairy sharp however seemingly unfaulted contacts to T2. <<Min: 182 - 183.2 15% pyrite>>											
<b>183.20 184.30 T2 Basalt - Altered grey-green FG</b>											
183.20	184.30		183.20	184.30	1.10	G279413	0.025	25	58	98	-2
183.2 - 184.3: Weak to moderate patchy ankerite alteration. <<Alt: 183.2 - 184.3 moderate Ankerite>>											
<b>184.30 185.85 T1 Basalt green FG</b>											
184.30	185.85		184.30	185.85	1.55	G279414	-0.005	-2	67	100	-2
184.3 - 185.85: Minor thin (1-2mm) calcite veining.											
<b>185.85 186.30 T2 Basalt - Altered grey FG</b>											
185.85	186.30		185.85	186.30	0.45	G279415	0.398	398	57	71	2
185.85 - 186.3: Diffuse ankerite alt and Py (3%) mineralisation propograting from two 1-3cm qtz veins smaller of which contains several clusters of Sp. <<Min: 185.9 - 186.2 3% pyrite>> <<Min: 186.1 - 186.11 0.1% sphalerite>> <<Alt: 185.85 - 186.3 moderate Ankerite>> <<Vein: 186.05 - 186.07 Quartz 60 deg. >> <<Vein: 186.1 - 186.11 Quartz 80 deg. >> Sp											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-41

From (m) To (m) Rocktype & Description

**186.30 206.20 T1 Basalt green FG**

186.3 - 206.2: Competant basalt unit with minor coarse broken core zones and moderate erratic calcite veining. Granular massive texture.

<<Vein: 205.7 - 205.74 Calcite 40 deg. >>

<<Struc: 206.15 - 206.2 weak fault 30 deg. >> 1-2cm offsets of above bedding/contact

**206.20 235.30 T1 Basalt green FG**

206.2 - 235.3: Broad mafic unit of differing texture from typical Taurus Basalt. Upper contact marked by sharp (and stepped by micro-faults) banded boundary. This unit is very fine to fine grained and chloritic containing 1cm to 20cm grey chert pods. Minor zones contain possible sed banding texture with weak epidote alteration. Lower contact marker by calcite veining and weak shear fabric.

<<Alt: 232.4 - 232.8 weak Ankerite>>

<<Struc: 206.2 - 206.22 strong contact 20 deg. >> bedding

<<Struc: 235 - 235.3 weak Sheared 30 deg. >>

**235.30 243.55 T1 Basalt green FG**

235.3 - 243.55: Not much to say.

<<Alt: 242.8 - 243.1 moderate Calcite>> bounded by calcite veining.

**243.55 252.68 T1 Basalt green FG**

243.55 - 252.68: Sharp upper contact fine to medium grained granular massive rock. Weak pervasive epidote alteration.

<<Struc: 243.55 - 243.56 weak contact 40 deg. >>

**End of Hole @ 252.68**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
186.30	188.00	1.70	G279416	-0.005	-2	66	80	-2
188.00	190.00	2.00	G279417	0.084	19	71	89	-2
190.00	192.00	2.00	G279418	-0.005	-2	71	88	-2
192.00	194.00	2.00	G279419	-0.005	-2	91	74	-2
194.00	196.00	2.00	G279421	-0.005	-2	63	79	-2
196.00	198.00	2.00	G279422	-0.005	2	61	84	-2
198.00	200.00	2.00	G279423	-0.005	-2	65	80	-2
200.00	202.00	2.00	G279424	-0.005	-2	65	76	-2
202.00	204.00	2.00	G279426	-0.005	-2	60	77	-2
204.00	206.20	2.20	G279427	-0.005	-2	65	81	-2
206.20	208.00	1.80	G279428	0.005	-2	65	65	-2
231.35	233.35	2.00	G279429	-0.005	-2	66	86	-2
251.45	252.68	1.23	G279431	-0.005	-2	54	82	-2

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-42

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ryan Congdon
Grid:		Hole Diameter:		Survey By:		Date Started:	14/08/2012
UTM Easting:	459369.7	Core Size:	NQ	Azimuth:	270	Date Completed:	17/08/2012
UTM Northing:	6570593.96	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-65	Drill Company:	Apex
UTM Elev. (m):	1110.393	Casing Depth (m):	5.79	Length (m):	222.2	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	13/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	16/08/2012
Local Elev. (m):							

**Comments:**

Proposed hole TRS-BF, drilled to the west to test Taurus west structure and associated T3 mineralisation. Upper 117.3m of the hole is dominated by un-altered pillow basalts with minor ankerite altered basalt zones lacking significant sulphide mineralization. From 117.3m to 127m coarse pyrite mineralized T2 enveloping a large extensional quartz vein occurs, likely as a steep E-W structure. From 138.8m to 172.8 m (35.6m) very strong pyrite mineralized T3, T2 and quartz veins occur to the first sediment contact. Several events of deformation occur throughout this zone in places producing large qtz/py breccias zones (FLT). Argillite/chert and mafic units mainly un-deformed and but locally deformed continue to EOH at 222.2m

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
8.8	-65	235.5	23.37	258.87	ReflexEZS		13/08/2012	5763	<input checked="" type="checkbox"/>	
85	-65.4	234.2	23.37	257.57	ReflexEZS		14/08/2012	5758	<input checked="" type="checkbox"/>	
103.3	-65.5	233.7	23.37	257.07	ReflexEZS		14/08/2012	5710	<input checked="" type="checkbox"/>	
146	-65.7	236.9	23.37	260.27	ReflexEZS		14/08/2012	5692	<input checked="" type="checkbox"/>	
191.7	-66.3	234.6	23.37	257.97	ReflexEZS		15/08/2012	5657	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-ICP41	Zn ppm ME-ICP41	Pb ppm ME-
<b>0.00</b>	<b>6.72</b>	<b>OVB Overburden</b>									
<b>6.72</b>	<b>8.90</b>	<b>T1 Basalt</b>	<b>green</b>	<b>FG</b>	1.28	G279432	0.01	27	67	101	-2
6.72 - 8.9: Weak ankerite alt in first 10cm											
<<Min: 8 - 16.15 0.5% pyrite>>											
<b>8.90</b>	<b>16.15</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>	<b>FG</b>	2.00	G279434	0.06	136	59	87	-2
8.9 - 16.15: Strong ankerite alteration and weak pyrite (0.5%). Part of upper contact sharply marked by low angle vein. Weak low angle extensional veining present.											
<<Alt: 8.9 - 16.15 strong Ankerite>>											
<<Alt: 8.9 - 17 weak Iron oxide>>											
<<Vein: 8.95 - 8.96 Quartz 10 deg. >> marks alt boundary											
					2.00	G279435	0.03	93	62	88	-2
					2.00	G279436	0.033	69	77	92	-2
					1.25	G279437	-0.005	16	71	103	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-42

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-		
<<Vein: 12.9 - 12.92		Quartz 10 deg. >>											
<<Vein: 14.6 - 14.62		Quartz 10 deg. >>											
<b>16.15</b>	<b>18.00</b>	<b>T1 Basalt</b>	<b>green</b>	<b>FG</b>	16.15	18.00	1.85	G279438	-0.005	9	81	98	3
<<Struc: 16.15 - 16.16		moderate contact 25 deg. >>											
<b>18.00</b>	<b>21.80</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>	<b>FG</b>	18.00	20.00	2.00	G279439	-0.005	98	62	77	-2
18 - 21.8: Grey cream strong ankertie and weakly clay altered unit. Fairly sharp un-faulted or veined alteration boundaries. Lacking significant sulphides.													
<<Alt: 18 - 21.8		weak Clay>>											
<<Alt: 18 - 21.8		strong Ankerite>>											
<<Vein: 18.4 - 18.41		Calcite 15 deg. >>											
<<Struc: 18.8 - 18.9		weak Foliated 40 deg. >>											
<b>21.80</b>	<b>73.40</b>	<b>T1 Basalt</b>	<b>green</b>	<b>FG</b>	21.80	23.80	2.00	G279443	-0.005	7	78	64	-2
21.8 - 73.4: Green granular basalt. Weak clacite alteration throughout and moderate pervasive locally.													
<<Alt: 21.8 - 73.4		weak Calcite>>											
<<Alt: 37 - 41.7		moderate Calcite>>											
<<Struc: 52.5 - 52.54		weak fault 50 deg. >>											
		plus creamy clay alteration.											
<<Struc: 59.2 - 59.21		weak fault breccia 30 deg. >>											
		calcite vein.											
<b>73.40</b>	<b>82.50</b>	<b>T1F Magnetic/Jasper Pillow Basalt</b>	<b>green</b>	<b>FG</b>	73.40	78.50	2.00	G279446	-0.005	4	80	90	-2
73.4 - 82.5: Banded chloritic upper contact and minor chloritic/epidote banding locally. 0.5-2cm jasper/magnetite wisps and pods. 74.6 to 74.85m is friable clay altered shear zone related to strong chl/epi banding.													
<<Struc: 73.4 - 73.45		weak Bedded 60 deg. >>											
<<Struc: 74.6 - 74.8		moderate Sheared 70 deg. >>											
<<Struc: 78.65 - 78.68		weak Bedded 50 deg. >>											
<b>82.50</b>	<b>88.75</b>	<b>T2 Basalt - Altered</b>	<b>grey</b>	<b>FG</b>	82.50	84.50	2.00	G279449	-0.005	22	83	139	-2
82.5 - 88.75: Moderate ankerite and clay altered basalt containing strong irregular calcite veining.86.8-87.4 m possible altered flow top breccia.													
<<Alt: 82.5 - 88.75		moderate Ankerite>>											
<<Alt: 82.5 - 92.8		weak Clay>>											
		moderate clay locally											
<b>88.75</b>	<b>90.60</b>	<b>T1 Basalt</b>	<b>green</b>	<b>FG</b>	88.75	90.60	1.85	G279454	-0.005	6	79	103	-2
88.75 - 90.6: Broken and locally friable T1. Upper and lower contacts both faulted.													

# Drill Log

Project:

Cassiar

Hole Number:

TA12-42

From (m) To (m) Rocktype & Description

**90.60 91.14 SHZ Shear Zone green FG**

90.6 - 91.14: Dismembered qtz-calcite veins with weakly sheared T1/T2 material.

<<Alt: 90.6 - 92.8 moderate Ankerite>>

<<Struc: 90.6 - 91.15 weak Sheared 55 deg. >>

**91.14 92.80 T2 Basalt - Altered grey FG**

91.14 - 92.8: Moderate ankerite and weak clay altered basalt. Minor cream qtz and calcite vein in weakly faulted and offset.

<<Struc: 92.5 - 92.53 moderate fault breccia 20 deg. >> Nice quartz flt breccia on lower contact of thin 1-3cm Ext vein

**92.80 117.30 T1F Magnetic/Jasper Pillow Basalt green FG**

92.8 - 117.3: Weak jasper content however strongly magnetic with moderate 1-30mm calcite veining.

**117.30 120.60 T2 Basalt - Altered grey FG**

117.3 - 120.6: Strong ankerite alteration and mineralised with coarse py (4%). Sharp upper contact

<<Min: 117.3 - 120.6 4% pyrite>>

<<Alt: 117.3 - 120.6 strong Ankerite>>

<<Vein: 118.55 - 118.57 Quartz 15 deg. >>

<<Struc: 117.3 - 117.31 weak contact 65 deg. >> alteration contact.

**120.60 124.00 T5 Quartz Vein white FCG**

120.6 - 124: White bull quartz (ext) with minor aggregates of py. Increase Py in wall rock near upper contact. 120.8 to 121.4m low angle T2-T5 contact runs down core axis indicating likely vein orientation similar to drill holes.

<<Vein: 120.6 - 124 Quartz 30 deg. >>

**124.00 127.30 T2 Basalt - Altered grey FG**

124 - 127.3: Lacking significant py mineralisation.

<<Alt: 124 - 127.3 strong Ankerite>>

<<Struc: 127.2 - 127.25 weak Foliated 75 deg. >> banding

**127.30 135.90 T1F Magnetic/Jasper Pillow Basalt green FG**

<<Vein: 132.6 - 132.61 Quartz 10 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
90.60	91.14	0.54	G279455	-0.005	22	198	95	-2
91.14	92.80	1.66	G279456	0.181	32	67	108	-2
92.80	94.80	2.00	G279457	-0.005	4	27	109	-2
94.80	96.80	2.00	G279458	-0.005	7	59	112	-2
113.30	115.30	2.00	G279459	-0.005	7	68	104	2
115.30	117.30	2.00	G279461	-0.005	12	78	98	-2
117.30	118.60	1.30	G279462	1.08	710	80	69	2
118.60	120.60	2.00	G279463	3.21	1905	40	39	4
120.60	122.00	1.40	G279464	0.143	174	2	4	-2
122.00	124.00	2.00	G279465	0.112	105	3	5	-2
124.00	126.00	2.00	G279466	0.012	60	66	100	-2
126.00	127.30	1.30	G279467	-0.005	7	49	149	2
127.30	129.00	1.70	G279468	-0.005	7	74	104	-2
129.00	131.00	2.00	G279469	-0.005	2	78	90	-2
131.00	133.00	2.00	G279471	-0.005	8	75	96	-2
133.00	135.00	2.00	G279472	-0.005	5	63	98	-2
135.00	135.90	0.90	G279473	-0.005	2	69	104	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-42

From (m) To (m) Rocktype & Description

**135.90 138.00 T2 Basalt - Altered buff FG**

135.9 - 138: Weak T2, minor banding, moderate ankerite and clay alteration, lacking Py.

<<Alt: 135.9 - 138 weak Clay>>

<<Alt: 135.9 - 138 moderate Ankerite>>

<<Struc: 136.9 - 136.91 weak contact 40 deg. >> alt front

**138.00 138.80 T1F Magnetic/Jasper Pillow Basalt green FG**

**138.80 139.40 T3 Pyritic Mineralised Zone grey FG**

138.8 - 139.4: Sharp somewhat undulating upper contact (40), lower contact marked by sharp boundary to less and slightly more coarse py and nearby late oblique fault.

<<Min: 138.8 - 139.4 15% pyrite>>

<<Alt: 138.8 - 140 strong Ankerite>>

<<Struc: 138.81 - 138.82 weak contact 40 deg. >> T3 boundary

**139.40 140.00 T2 Basalt - Altered grey FG**

139.4 - 140: Minor extensional 1-2cm qtz vein. Moderate medium to coarse py.

<<Min: 139.4 - 140 4% pyrite>>

<<Vein: 139.8 - 139.82 Quartz 25 deg. >>

<<Struc: 139.4 - 139.41 weak contact 40 deg. >> actually possible faulted contact

<<Struc: 139.45 - 139.46 weak fault 20 deg. >>

**140.00 141.10 T5 Quartz Vein white FCG**

140 - 141.1: White extensional quartz vein. Sharp upper contact and broken lower contact. Minor internal quartz breccia fabric.

<<Min: 140 - 141.1 0.5% pyrite>>

<<Vein: 140 - 141.1 Quartz 30 deg. >>

**141.10 142.65 FLT Fault, Fault Zone cream FCG**

141.1 - 142.65: To whomever is reading this, a picture is worth a thousand words. The following 30m or so is strongly deformed and mineralised. Zones dominant in bull extensional qtz veins are classified as such. Intense fine grained pyrite mineralised zones are classified T3. Zones such as this one are given the lithological classification of Fault Zone. This mineralised unit contains strong breccia texture predominantly angular 0.2 to 2cm quartz vein pieces with lesser clasts of T3 and pyrite matrix. Some clasts contain banded quartz and pyrite. Low angle (tca) fault runs down core. Sharp faulted lower contact. Timing first T3-Ext-breccia-Py-faulting last. Py (8%)

<<Min: 141.1 - 142.65 8% pyrite>> and aggregates

<<Alt: 141.1 - 142.65 moderate Ankerite>>

<<Struc: 141.1 - 142.65 moderate fault breccia>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
135.90	138.00	2.10	G279474	-0.005	7	87	125	3

138.00	138.80	0.80	G279476	-0.005	6	69	102	-2
138.80	139.40	0.60	G279477	0.377	615	75	84	4

139.40	140.00	0.60	G279478	2.11	993	51	27	-2
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140.00	141.10	1.10	G279479	0.114	140	2	2	-2
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141.10	142.65	1.55	G279481	0.959	951	26	11	7
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# Drill Log

Project:

Cassiar

Hole Number:

TA12-42

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Struc: 141.8 - 142		moderate fault 5 deg. >>									
<<Struc: 142 - 142.02		weak fault breccia 70 deg. >>									
<b>142.65</b>	<b>144.30</b>	<b>T3 Pyritic Mineralised Zone</b>	<b>grey</b>	<b>FG</b>							
142.65 - 144.3:	Intensely pyrite mineralised unit. Fine grained disseminated py (12-25%). Weak thinly banded py and trace possible foliation (50 deg tca). 143.9 m to end of unit ext qtz veins and brecciated quartz appear with thin micro faulting.										
<<Min: 142.65 - 144.3	18% pyrite>>										
<<Alt: 142.65 - 144.3	strong Ankerite>>										
<<Vein: 143.9 - 144	Quartz 25 deg. >> faulted contacts										
<<Struc: 143.75 - 143.85	weak Foliated 40 deg. >>										
<b>144.30</b>	<b>147.05</b>	<b>FLT Fault, Fault Zone</b>	<b>cream</b>	<b>FCG</b>							
144.3 - 147.05:	Strongly pyrite mineralised brecciated quartz vein zone. Less percentage angular quartz clasts than above 'fault' unit however still strongly deformed and dismembered veins. Quartz dominates (60%) with 0.5-1cm clusters of py and 5-20cm zone of predominately T3 mineralisation with quartz fragments. Minor intake ext quartz vein contacts have 25 deg tca. Py (10%)										
<<Min: 144.3 - 147.05	10% pyrite>> and aggregates										
<<Alt: 144.3 - 147.05	moderate Ankerite>>										
<<Vein: 144.9 - 145.4	Quartz 25 deg. >> Sharp faulted upper contact (25 deg) lower section increasingly brecciated										
<<Struc: 144.3 - 147.05	moderate fault breccia>>										
<<Struc: 146.1 - 146.2	weak Foliated 70 deg. >>										
<b>147.05</b>	<b>151.00</b>	<b>T5 Quartz Vein</b>	<b>white</b>	<b>FCG</b>							
147.05 - 151:	Sharp upper and lower contact, lower contacts also nicely brecciated (25 deg tca). Minor 2-15cm of T2 inclusions and minor pyrite mineralisation and stringers (Py 0.5%).										
<<Min: 147.05 - 151	0.5% pyrite>>										
<<Vein: 147.05 - 151	Quartz 22 deg. >> Sharp faulted upper contact and shallow lower contact										
<b>151.00</b>	<b>155.60</b>	<b>FLT Fault, Fault Zone</b>	<b>cream</b>	<b>FCG</b>							
151 - 155.6:	Brilliant mineralised quartz breccia unit. Strong breccia texture dominates with 0.5-1.5cm angular qtz fragments and fine to coarse py forming and matrix and clusters. Minor zones of 5 to 30cm whole quartz vein lengths and minor 5-15cm T3 zones. Minor siliceous re-healing in upper section of unit with lesser Py. 154-154.55m almost semi-massive Py mainly fine but also coarse grained Py.										
<<Min: 151 - 155.6	20% pyrite>> and medium grained aggregates and minor semi-msv zones.										
<<Alt: 151 - 155.6	moderate Ankerite>>										
<<Struc: 151 - 155.6	strong fault breccia>>										
<<Struc: 152 - 152.1	weak Foliated 60 deg. >>										

# Drill Log

Project:

Cassiar

Hole Number:

TA12-42

From (m) To (m) Rocktype & Description

**155.60 160.90 T3 Pyritic Mineralised Zone grey FG**

155.6 - 160.9: Strong fine grained Py mineralisation 10-25%. Weak foliation discernable with thin erratic cream qtz and calcite veining moderate thin fault planes offsetting both veins and py/fol fabric.

<<Min: 155.6 - 160.9 16% pyrite>>  
 <<Alt: 155.6 - 172.8 strong Ankerite>>  
 <<Struc: 155.6 - 155.7 weak Foliated 50 deg. >>  
 <<Struc: 155.6 - 160.9 weak fault>>  
 <<Struc: 158.18 - 158.19 weak fault 50 deg. >>  
 <<Struc: 158.55 - 158.6 weak Foliated 50 deg. >>

**160.90 163.25 T2 Basalt - Altered grey FG**

160.9 - 163.25: Moderatly faulted and sheared pyrite mineralised unit. Containing T3 fragments ane fine and coarse grained py. Localised angular breccia fragments. Deformation fabric (multiple micro-faulting) generally 40-60 deg tca, with minor low angle faulting. Common dis-membered qtz/calcite veining and minor thin stockwork style veining.

<<Min: 160.9 - 163.9 6% pyrite>> and coarse +aggregates.  
 <<Struc: 160.9 - 163.9 moderate fault>>  
 <<Struc: 161.25 - 161.3 weak fault 60 deg. >>  
 <<Struc: 162.5 - 162.5 weak fault 40 deg. >>

**163.25 163.90 FLT Fault, Fault Zone grey FG**

163.25 - 163.9: Continuation of above unit however more intensely deformed with graphitic component. 163.4 to 163.6 broken and friable dark core. Possible broken graphitic zone corresponding to similar zones in mineralised mafic above seds in 07TC-07.

<<Alt: 163.25 - 163.9 moderate Graphite>>  
 <<Struc: 163.55 - 163.6 moderate Sheared 45 deg. >>

**163.90 169.60 T2 Basalt - Altered grey FG**

163.9 - 169.6: Well mineralised T2 unit lacking significant deformation as seen in surrounding units. Fine to coarse py (7%) with minor 10 to 50cm broken core zones.

<<Min: 163.9 - 169.6 7% pyrite>> and coarse grained.

**169.60 172.80 T2 Basalt - Altered grey FG**

169.6 - 172.8: Continuation of above mineralised T2 unit however deformation increases, with locally strong brecciation with interstitial clay alteration (possibly not large offsets/movement). Moderate micro-faulting and weak shearing. Graphite fracturing patchy. Sharp weathered contact to argillite. Py coarse grained (4%).

<<Min: 169.6 - 172.8 4% pyrite>>  
 <<Alt: 169.6 - 172.8 weak Graphite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
155.60	157.00	1.40	G279492	2.27	1505	79	30	6
157.00	159.00	2.00	G279493	1.93	1930	48	36	12
159.00	160.90	1.90	G279494	1.705	1765	24	40	10
160.90	162.00	1.10	G279495	1.365	1155	28	60	5
162.00	163.25	1.25	G279496	1.33	854	42	42	6
163.25	163.90	0.65	G279497	3.38	1870	23	38	6
163.90	165.90	2.00	G279498	0.146	504	27	79	-2
165.90	167.90	2.00	G279499	1.25	930	31	44	2
167.90	169.60	1.70	G279501	1.18	1015	13	32	2
169.60	171.00	1.40	G279502	0.596	747	29	70	2
171.00	172.80	1.80	G279503	0.662	646	64	61	4



# Drill Log

Project:

Cassiar

Hole Number:

TA12-42

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-				
<<Struc: 169.6 - 172.8 moderate fault>>															
<<Struc: 169.8 - 169.81 weak Sheared 70 deg. >>															
<<Struc: 172 - 172.1 weak Foliated 60 deg. >>															
<b>172.80</b>	<b>175.55</b>	<b>5DD Argillite</b>	<b>black</b>			<b>VFG</b>	172.80	174.00	1.20	G279504	0.096	165	67	53	2
172.8 - 175.55: Black banded graphitic argillite. Minor thin cross-cutting qtz veins and blebby coarse pyrite. Lower contact is friable and clay altered to lower mafic unit. Possible fault gouge.															
<<Min: 172.8 - 190.35 0.5% pyrite>>															
<<Alt: 172.8 - 190.35 weak Ankerite>>															
<<Struc: 174 - 174.2 weak Bedded 70 deg. >>															
<b>175.55</b>	<b>178.00</b>	<b>T2 Basalt - Altered</b>	<b>grey-green</b>			<b>FG</b>	175.55	176.55	1.00	G279506	0.14	116	66	95	-2
175.55 - 178: Broken and spun core with patchy clay alteration. Weak to moderately ankerite altered with minor graphite crackle texture. Difficult to determine nature of upper and lower contacts due to core condition. Trace Py.															
<<Vein: 177.3 - 177.31 Quartz 30 deg. >>															
<b>178.00</b>	<b>190.35</b>	<b>5DD Argillite</b>	<b>black</b>			<b>VFG</b>	178.00	180.00	2.00	G279508	0.074	78	59	100	19
178 - 190.35: Grey black strongy bedded/laminated argillite minor cherty bands and likely weak blebby ankerite alteration. Possible deformation accommodation throughout with minor 1-5cm zones indicating strain accommodation.															
<<Struc: 180.4 - 180.5 moderate Bedded 70 deg. >>															
<<Struc: 183.5 - 183.6 moderate Bedded 45 deg. >>															
<<Struc: 190 - 190.1 weak Bedded 40 deg. >>															
<b>190.35</b>	<b>193.70</b>	<b>T1 Basalt</b>	<b>green</b>			<b>FG</b>	190.35	192.00	1.65	G279516	-0.005	19	65	121	5
190.35 - 193.7: Sharp undulating contacts conformable to argillite banding (bedded). Weak ankerite alteration.															
<<Alt: 190.35 - 193.7 weak Ankerite>>															
<b>193.70</b>	<b>195.90</b>	<b>5DD Argillite</b>	<b>black</b>			<b>VFG</b>	193.70	195.90	2.20	G279518	0.005	-2	54	124	15
193.7 - 195.9: Moderately competent laminated argillite. Sharp upper and lower contacts.															
<b>195.90</b>	<b>222.20</b>	<b>T1 Basalt</b>	<b>green</b>			<b>FG</b>	195.90	197.70	1.80	G279519	-0.005	13	84	128	4
195.9 - 222.2: Green chloritic competent mafic unit. Upper contact marked by strongly banded/sheared mafic with minor argillite fragments and 1-15cm quartz (+calcite) veins and localised breccia texture to 197.4m. Following unit similar to part of mafic units intersected at base of TA12-41 (not seen often in rest of Tuarus area). Minor possible pillow textures with predominately fine massive chloritic zones with minor banding. Sharp un-faulted contacts mark change to granular fine to medium grained mafic (no chilled margin). Possible depositional contacts?															

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-42**

From (m)      To (m)                      Rocktype & Description

<<Vein: 196 - 196.15 Quartz>>  
 <<Struc: 195.9 - 197.4 moderate Sheared 30 deg. >>  
 <<Struc: 196.4 - 196.5 moderate Sheared 30 deg. >>  
 <<Struc: 214.6 - 214.61 moderate contact 45 deg. >>    between granular and fine mafic.

**End of Hole @ 222.2**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
197.70	199.70	2.00	G279521	-0.005	5	82	94	2
199.70	201.70	2.00	G279522	-0.005	4	63	77	-2
201.70	203.70	2.00	G279523	-0.005	-2	61	91	-2
203.70	205.70	2.00	G279524	-0.005	-2	88	71	-2

# Drill Log

**Project:** Cassiar **Hole Number:** TA12-43

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ryan Congdon
Grid:		Hole Diameter:		Survey By:		Date Started:	17/08/2012
UTM Easting	459339.72	Core Size:	NQ	Azimuth:	270	Date Completed:	18/08/2012
UTM Northing:	6570883.74	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-65	Drill Company:	Apex
UTM Elev. (m):	1128.845	Casing Depth (m):	4.57	Length (m):	213.06	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title		Drill Started:	15/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	17/08/2012
Local Elev. (m):							

**Comments:**

Proposed hole TRS-AF. Designed to test the northern section of the Taurus West structure, near the edge of current drilling and possible shallow T3 mineralisation as sediment contacts nears the surface. Drilling dissapointingly intersected no significantly mineralised structures. Minor ankerite alteration and Py mineralised occurs in the upper 20m. Below which basalt dominates with large intersections of Mafic Dykes with sub-parrallel contacts to core axis. No major structure or sediments were intersected at depth, minor shear zones were intersected however.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
11.8	-65	246.2	23.37	269.57	ReflexEZS		16/08/2012	5765	<input checked="" type="checkbox"/>	
54.56	-65.1	220.5	23.37	243.87	ReflexEZS		16/08/2012	1437	<input type="checkbox"/>	Survey tool likely stuck within rod string.
100.28	-64.8	242.7	23.37	266.07	ReflexEZS		16/08/2012	5831	<input checked="" type="checkbox"/>	
145.99	-65	242.3	23.37	265.67	ReflexEZS		16/08/2012	5691	<input checked="" type="checkbox"/>	
161.2	-64.9	243.7	23.37	267.07	ReflexEZS		17/08/2012	5700	<input checked="" type="checkbox"/>	

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
<b>0.00</b>	<b>4.40</b>	<b>OVB Overburden</b>									
<b>4.40</b>	<b>12.85</b>	<b>T2 Basalt - Altered grey FG</b>	4.40	5.00	0.60	G279526	0.954	923	17	44	2
4.4 - 12.85: Strong ankerite alteration with abundant thin quartz veins (2-5mm) earlier veins have irregular form with later cross-cutting planar veins. Patchy fine to coarse py mineralisation.											
<<Min: 4.4 - 5 7% pyrite>>											
<<Min: 5 - 6.9 0.5% pyrite>>											
<<Min: 6.9 - 7.55 7% pyrite>> and medium grained.											
<<Min: 7.55 - 12.85 0.5% pyrite>>											
<<Alt: 4.4 - 12.85 weak Graphite>>											
<<Alt: 4.4 - 12.85 strong Ankerite>>											
<<Vein: 6.1 - 6.11 Quartz 45 deg. >>											
			5.00	6.90	1.90	G279527	0.468	441	21	36	-2
			6.90	7.60	0.70	G279528	1.13	1180	17	35	3
			7.60	9.00	1.40	G279529	0.073	175	64	83	-2
			9.00	11.00	2.00	G279531	0.1	107	62	90	3
			11.00	12.85	1.85	G279532	0.227	282	67	59	4

# Drill Log

Project:

Cassiar

Hole Number:

TA12-43

From (m)	To (m)	Rocktype & Description			From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-								
<<Vein: 11.6 - 11.61 Quartz 30 deg. >> <<Struc: 6.9 - 6.91 weak contact 50 deg. >> likelt flt contolled <<Struc: 10.5 - 10.6 moderate Foliated 50 deg. >>																					
12.85	13.05	T1 Basalt	green	FG	12.85	13.05	0.20	G279533	-0.005	29	80	72	4								
13.05	15.75	T2 Basalt - Altered	grey	FG	13.05	15.75	2.70	G279534	0.048	178	63	84	3								
13.05 - 15.75: Moderate patchyankerite and minor graphite fracture alteration.																					
<<Min: 13.05 - 15.75 0.1% pyrite>> <<Alt: 13.05 - 15.75 moderate Ankerite>> <<Alt: 15 - 15.7 weak Graphite>> <<Vein: 15.4 - 15.42 Quartz 35 deg. >>																					
15.75	18.50	T1 Basalt	green	FG	15.75	17.00	1.25	G279535	-0.005	10	74	70	3								
18.50	19.35	T2 Basalt - Altered	grey	FG	17.00	18.50	1.50	G279536	-0.005	30	66	83	3								
18.5 - 19.35: Cream quartz with faulted upper contact, strong ankerite and weak clay propogates from this structure.																					
<<Min: 18.7 - 19.35 0.5% pyrite>> <<Alt: 18.5 - 19.35 moderate Ankerite>> <<Vein: 18.9 - 18.95 Quartz 20 deg. >>																					
19.35	20.70	T1 Basalt	green	FG	19.35	20.70	1.35	G279538	0.022	61	75	88	3								
19.35 - 20.7: Minor clay alteration associated with sheared calcite veins.																					
20.70	21.00	T10 Mafic Dyke	black	FG	20.70	21.00	0.30	G279539	0.009	27	54	84	5								
20.7 - 21: Sharp clay altered contacts.																					
<<Struc: 20.7 - 20.71 weak contact 60 deg. >> 21 - 24.4: Green mafic with minor breccia texture and minor cherty bands (1-4cm). Patchy ankerite alteration occurs 23 to 23.6m.																					
21.00	24.40	T1 Basalt	green	FG	21.00	23.00	2.00	G279541	-0.005	10	72	84	2								
<<Alt: 23 - 23.6 weak Ankerite>> 24.4 - 26: Moderate ankerite alteration with moderate thin quartz veining and several thicker (1-2cm) lower angle veins.																					
24.40	26.00	T2 Basalt - Altered	grey	FG	23.00	24.40	1.40	G279542	0.056	214	61	85	3								
<<Min: 24.4 - 26 0.5% pyrite>> <<Alt: 24.4 - 26 moderate Ankerite>>																					
24.40														26.00	1.60	G279543	0.166	170	74	58	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA12-43

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
<<Vein: 25.1 - 25.11 Quartz 50 deg. >> <<Vein: 25.15 - 25.17 Quartz 15 deg. >>											
26.00	30.90	T1 Basalt green	26.00	28.00	2.00	G279544	0.013	27	77	74	2
26 - 30.9: Locally broken and friable chloritic basalt containing moderate quartz-carbonate veining.											
28.00	30.00		28.00	30.00	2.00	G279545	-0.005	2	98	76	3
30.00	30.90		30.00	30.90	0.90	G279546	-0.005	16	67	96	5
30.90	31.75	T2 Basalt - Altered grey	30.90	31.75	0.85	G279547	0.062	260	50	81	4
30.9 - 31.75: Section defined by low angle (15 tca) sheared calcite veins. Trace pyrite											
<<Alt: 30.9 - 31.75 moderate Ankerite>> <<Struc: 31 - 31.2 weak Sheared 15 deg. >>											
31.75	40.35	T1 Basalt green	31.75	33.75	2.00	G279548	0.012	34	78	94	-2
31.75 - 40.35: Broken chloritic mafic unit.											
33.75	35.75		33.75	35.75	2.00	G279549	-0.005	9	71	72	-2
35.75	37.75		35.75	37.75	2.00	G279551	0.024	155	83	85	-2
37.75	39.30		37.75	39.30	1.55	G279552	-0.005	3	68	78	3
39.30	40.53		39.30	40.53	1.23	G279553	-0.005	7	99	64	-2
40.35	40.95	T2 Basalt - Altered grey	40.35	40.95	0.42	G279554	0.456	445	52	67	4
40.35 - 40.95: Calcite breccia and associated ankerite and pyrite mineralisation (1%).											
<<Min: 40.5 - 40.8 1% pyrite>> <<Struc: 40.6 - 40.7 weak fault breccia 30 deg. >>											
40.95	44.85	T1 Basalt green	40.95	42.95	2.00	G279555	-0.005	-2	78	77	-2
42.95	44.85		42.95	44.85	1.90	G279556	-0.005	4	73	64	-2
44.85	45.40	5B Chert grey	44.85	45.40	0.55	G279557	-0.005	4	25	20	-2
44.85 - 45.4: Large cherty pod.											
45.40	54.60	T1 Basalt green	45.40	47.40	2.00	G279558	-0.005	-2	92	64	-2
45.4 - 54.6: Broken chloritic core minor cherty pods. 48.46-51.51m only 40cm recovery following lower block spun core - likely on of the multiple mis-latches.											
47.40	48.45		47.40	48.45	1.05	G279559	-0.005	4	83	58	2
48.45	51.50		48.45	51.50	3.05	G279561	-0.005	2	78	57	2
51.50	53.50		51.50	53.50	2.00	G279562	-0.005	3	77	66	-2
53.50	54.60		53.50	54.60	1.10	G279563	-0.005	4	79	58	2

# Drill Log

Project:

Cassiar

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TA12-43

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
54.60	70.40	T10 Mafic Dyke	54.60	56.60	2.00	G279564	-0.005	8	66	75	3
54.6 - 70.4: Sharp low angle upper and lower contacts. Minor chilled margin, unit is mainly fine grained with minor blebs of calcite. Lacking typical spotty fabric and high biotite content and pervasive calcite fizz. 165.9 to 166.2m weakly brecciated T1.											
<<Struc: 65.9 - 66.2 weak Brecciated 45 deg. >>											
70.40	77.40	T1 Basalt	56.60	57.60	1.00	G279565	-0.005	8	69	74	3
70.4 - 77.4: Upper portion (1m) of unit weakly brecciated.											
<<Vein: 73.9 - 73.94 Quartz 75 deg. >> plus epidote bands											
<<Struc: 70.4 - 70.41 moderate contact 5 deg. >>											
77.40	83.70	T10 Mafic Dyke									
77.4 - 83.7: Similar to above dyke.											
<<Struc: 77.4 - 77.5 moderate contact 5 deg. >>											
<<Struc: 83.5 - 83.8 moderate contact 5 deg. >>											
83.70	89.35	T1 Basalt									
83.7 - 89.35: Lower metre brecciated (not fault breccia)											
<<Vein: 89.2 - 89.35 Calcite 30 deg. >>											
89.35	94.40	T10 Mafic Dyke									
89.35 - 94.4: Sharp upper contact marked by calcite veining and lower contact broken.											
<<Struc: 89.35 - 89.36 weak contact 40 deg. >>											
94.40	98.70	T1A Pillow Basalt									
<<Vein: 97.25 - 97.32 Calcite 30 deg. >>											
98.70	100.00	T10 Mafic Dyke									
98.7 - 100: Sharp irregular contacts.											
100.00	104.20	T1 Basalt									
100 - 104.2: Darker green grey with brittle calcite veining.											
104.20	110.80	T10 Mafic Dyke									
104.2 - 110.8: Sharp low angle upper contact (sub para to core axis) and moderate lower contact.											
<<Struc: 104.2 - 104.3 moderate contact 5 deg. >>											

# Drill Log

Project:

Cassiar

Hole Number:

TA12-43

From (m) To (m) Rocktype & Description

**110.80 135.80 T1F Magnetic/Jasper Pillow Basalt green FG**

110.8 - 135.8: Chloritic weakly magnetic pillow and minor jasper basalt.

<<Struc: 110.8 - 110.81 moderate contact 40 deg. >>

**135.80 137.20 T2 Basalt - Altered grey FG**

135.8 - 137.2: Weak to moderate ankerite alteration associated with low angle and also irratc qtz and carbonate veining. 136.2 to 136.5m moderately brecciated (2-10mm angular).

<<Min: 135.8 - 137.2 0.5% pyrite>>

<<Alt: 135.8 - 137.2 moderate Ankerite>>

<<Vein: 136.9 - 137 Quartz 25 deg. >>

<<Struc: 136.2 - 136.5 moderate Brecciated 30 deg. >>

**137.20 144.80 T1A Pillow Basalt green FG**

137.2 - 144.8: Slightly bleached pale green pillow basalt.

<<Struc: 140.35 - 140.39 moderate fault breccia 60 deg. >>

**144.80 146.50 T2 Basalt - Altered grey FG**

144.8 - 146.5: Weak to moderate patchy ankerite alteration. Multiple qtz ext (1cm) veins and weak breccia locally)

<<Min: 144.8 - 146.5 0.5% pyrite>>

<<Alt: 144.8 - 146.5 moderate Ankerite>>

<<Vein: 144.8 - 144.81 Quartz 15 deg. >>

**146.50 157.70 T1A Pillow Basalt green FG**

146.5 - 157.7: Multiple planar carbonate veins (0.5-1cm). Gradational upper boundary to T2.

<<Vein: 150.5 - 150.51 Quartz 20 deg. >>

**157.70 167.15 T1 Basalt green FG**

157.7 - 167.15: Granular chloritic massive mafic unit. Gradational upper and lower contact.

<<Min: 158 - 167.15 0.1% pyrite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
133.80	135.80	2.00	G279566	-0.005	3	83	108	3
135.80	136.85	1.05	G279567	0.406	244	126	110	2
136.85	138.20	1.35	G279568	0.052	64	51	97	-2
138.20	140.20	2.00	G279569	-0.005	2	57	135	3
140.20	142.20	2.00	G279571	0.014	25	73	125	-2
142.20	143.50	1.30	G279572	-0.005	4	55	142	2
143.50	144.80	1.30	G279573	-0.005	-2	169	122	-2
144.80	146.50	1.70	G279574	0.039	46	82	89	-2
146.50	148.55	2.05	G279576	-0.005	-2	60	107	-2
148.55	150.55	2.00	G279577	-0.005	3	64	106	-2
150.55	152.35	1.80	G279578	-0.005	5	89	108	-2
161.15	163.15	2.00	G279579	-0.005	7	74	62	-2
163.15	165.15	2.00	G279581	-0.005	-2	71	62	-2
165.15	167.15	2.00	G279582	-0.005	5	72	63	-2

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA12-43**

From (m) To (m) Rocktype & Description

**167.15 169.05 T2 Basalt - Altered grey FG**

167.15 - 169.05: Gradual alteration contacts on a moderately ankerite altered mafic unit. Minor quartz veining and fault breccia. Weak py (0.5%) forming as clusters, disseminated and fracture filling.

<<Min: 167.15 - 169.05 0.5% pyrite>>

<<Alt: 167.5 - 169.05 moderate Ankerite>>

<<Vein: 168.2 - 168.22 Quartz 25 deg. >>

<<Struc: 167.7 - 167.72 strong fault breccia 25 deg. >>

<<Struc: 168.8 - 168.82 moderate Fractured 25 deg. >> py filled fracture.

**169.05 204.20 T1 Basalt green FG**

169.05 - 204.2: Granular basalt, moderate carbonate veining. Weak foliation in zones increased to weak shearing such as 177.1-177.4m.

<<Vein: 180.8 - 180.81 Calcite 40 deg. >>

<<Vein: 192.5 - 192.59 Calcite 20 deg. >>

<<Struc: 177.1 - 177.4 moderate Sheared 30 deg. >> increased foliation.

<<Struc: 178 - 178.05 strong fault 5 deg. >>

<<Struc: 193 - 193.01 weak fault 20 deg. >>

<<Struc: 194.5 - 194.6 moderate Foliated 40 deg. >>

**204.20 213.06 T1 Basalt green FG**

204.2 - 213.06: Sharp banded contact to very fine grained mafic unit. Unit contains localised chloritic banding and minor volcanoclastic nature with minor clasts of above more granular brittle basalt.

<<Struc: 204.2 - 204.21 moderate contact 25 deg. >> banded

<<Struc: 211.1 - 211.13 strong Sheared 65 deg. >>

**End of Hole @ 213.06**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
167.15	169.05	1.90	G279583	0.471	318	52	52	3

169.05	171.00	1.95	G279584	-0.005	11	65	69	-2
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171.00	173.00	2.00	G279585	-0.005	13	70	66	-2
173.00	175.00	2.00	G279586	-0.005	22	71	66	-2
175.00	177.00	2.00	G279587	-0.005	22	67	82	-2
177.00	179.00	2.00	G279588	-0.005	31	62	101	-2



# Drill Log

**Project:** Cassiar **Hole Number:** 07TC-07

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By:
Grid:	Hole Diameter:	Survey By: Ryan Congdon	Date Started: 30/07/2012
UTM Easting:	Core Size:	Azimuth:	Date Completed: 31/07/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 189.28	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title:	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			

**Comments:**

Re-log of historic Taurus drill hole targeting 'TWSH' structures and related 'T3' mineralisation. Upper portion of hole (-110m), contains alternating T2, T5 and T1. Gold mineralisation preferentially occurs in the T2 pyrite mineralised zones rather than t

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>5.20</b>	<b>9.80</b>	<b>T5 Quartz Vein</b>	5.20	6.70	1.50	178673	0				
5.2 - 9.8: Low grade, bull quartz, likely extensional.											
<<Vein: 5.2 - 9.8 Quartz 20 deg. >>											
			6.70	8.20	1.50	178674	0				
			8.20	9.20	1.00	178675	0				
			9.20	9.95	0.75	178676	0.377				
			9.95	11.40	1.45	178677	0.99				
<b>9.80</b>	<b>26.65</b>	<b>T2 Basalt - Altered</b>									
9.8 - 26.65: Upper section abundant coarse disseminated pyrite											
<<Min: 9.8 - 19.1 4% pyrite>> very coarse											
<<Min: 19.1 - 56.6 0.5% pyrite>>											
<<Struc: 9.8 - 17 weak Foliated>> weak foliation exposed on split surface, difficult to see it cut surface, possibly regional. Also trace foliation locally in lower T1 unit.											
			11.40	12.90	1.50	178678	0.63				
			12.90	14.40	1.50	178679	1.67				
			14.40	15.90	1.50	178681	1.78				
			15.90	17.40	1.50	178682	0.59				
			17.40	18.50	1.10	178683	0.79				
			18.50	19.50	1.00	178684	0.41				
			19.50	21.00	1.50	178685	0.05				
			21.00	21.80	0.80	178686	0.015				
			21.80	23.30	1.50	178687	0.04				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-07

From (m) To (m) Rocktype & Description

**26.65 41.20 T1 Basalt**

26.65 - 41.2: Banded lower contact to T2, likely protolith texture. Possible shearing however blebby ankerite overprints in parts. Listed in structures as banding.

<<Struc: 40.7 - 43.4 moderate Bedded 30 deg. 50 deg. >> banding across alteration boundaries. Likely original texture, possible shearing.

**41.20 57.50 T2 Basalt - Altered**

41.2 - 57.5: Weak/moderate AK, increased py min at lower contact to quartz vein.

<<Min: 56.6 - 57.5 4% pyrite>>

**57.50 61.00 T5 Quartz Vein**

57.5 - 61: Bull quartz, lower angle contacts (tca). Extensional.

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
23.30	24.80	1.50	178688	0.03				
24.80	26.00	1.20	178689	0.13				
26.00	27.00	1.00	178691	0.1				
27.00	28.50	1.50	178692	0.015				
28.50	30.00	1.50	178693	0.015				
30.00	31.50	1.50	178694	0.015				
31.50	33.00	1.50	178695	0.015				
33.00	34.50	1.50	178696	0.015				
34.50	36.00	1.50	178697	0.015				
36.00	37.50	1.50	178698	0.04				
37.50	39.00	1.50	178699	0.015				
39.00	40.10	1.10	178701	0.015				
40.10	41.10	1.00	178702	0.015				
41.10	42.20	1.10	178703	0.015				
42.20	43.10	0.90	178704	0.015				
43.10	44.10	1.00	178705	0.015				
44.10	45.60	1.50	178706	0.015				
45.60	47.10	1.50	178707	0.015				
47.10	48.10	1.00	178708	0.015				
48.10	49.70	1.60	178709	0.015				
49.70	51.20	1.50	178711	0.015				
51.20	52.40	1.20	178712	0.015				
52.40	53.40	1.00	178713	0.015				
53.40	54.40	1.00	178714	0.015				
54.40	55.45	1.05	178715	0.015				
55.45	56.60	1.15	178716	0.37				
56.60	57.60	1.00	178717	0.72				
57.60	59.10	1.50	178718	0.034				

# Drill Log

Project:

Cassiar

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From (m) To (m) Rocktype & Description

<<Vein: 57.5 - 61 Quartz 20 deg. >> minor siliceous near boundary, otherwise bucky white massive.

**61.00 68.40 T2 Basalt - Altered**

61 - 68.4: Coarse pyrite mineralised T2.

<<Min: 61 - 68.4 7% pyrite>>

<<Struc: 63.3 - 63.8 weak Bedded 55 deg. >> weak banding, jasperoidal occur before and after this section, which is common of more massive basalt.

**68.40 73.50 T5 Quartz Vein**

68.4 - 73.5: Bull quartz, moderate contact angles tca. Extensional

<<Vein: 68.4 - 73.5 Quartz 20 deg. >>

**73.50 88.30 T2 Basalt - Altered**

73.5 - 88.3: Abundant chlorite/sericite coated fracture surfaces, increase in broken. Last 20cm is qtz+t2 breccia.

<<Min: 73.5 - 88.3 0.5% pyrite>>

<<Struc: 84 - 84.2 weak fault 5 deg. >> slickensides on chlorite/sericite coated surfaces.

<<Struc: 88 - 88.15 strong Brecciated 50 deg. >>

**88.30 91.20 T5 Quartz Vein**

88.3 - 91.2: Extensional, broken on upper contact. White bucky quartz.

<<Vein: 88.3 - 91.2 Quartz>> broken quartz, near upper contact.

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
59.10	60.15	1.05	178719	0				
60.15	61.15	1.00	178721	1.509				
61.15	62.65	1.50	178722	1.03				
62.65	64.15	1.50	178723	0.74				
64.15	65.65	1.50	178724	1.989				
65.65	67.15	1.50	178726	0.44				
67.15	68.45	1.30	178727	0.84				
68.45	69.95	1.50	178728	0.137				
69.95	71.45	1.50	178729	0				
71.45	72.95	1.50	178731	0.034				
72.95	73.70	0.75	178732	0.034				
73.70	75.20	1.50	178733	0.32				
75.20	76.10	0.90	178734	0.06				
76.10	76.95	0.85	178735	0.91				
76.95	78.40	1.45	178736	0.03				
78.40	79.90	1.50	178737	0.015				
79.90	81.40	1.50	178738	0.015				
81.40	82.90	1.50	178739	0.015				
82.90	84.40	1.50	178741	0.03				
84.40	85.90	1.50	178742	0.05				
85.90	87.00	1.10	178743	0.11				
87.00	88.00	1.00	178744	0.19				
88.00	88.40	0.40	178745	0.59				
88.40	89.90	1.50	178746	0.137				
89.90	91.10	1.20	178747	0				
91.10	92.60	1.50	178748	0.49				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-07

From (m) To (m) Rocktype & Description

**91.20 96.40 T2 Basalt - Altered**

91.2 - 96.4: Moderate py near upper quartz contact, decreasing downhole.

<<Min: 91.2 - 96.4 3% pyrite>>

<<Struc: 95 - 95.1 weak fault 5 deg. >> running para to core axis, 2cm carbon braccia.

**96.40 106.90 T1 Basalt**

96.4 - 106.9: Interbedded T1 and weak to moderately altered T2. 0.5-2m zones of ankerite alteration in un-altered basalt.

<<Min: 96.4 - 106.9 0.5% pyrite>>

**106.90 108.70 T2 Basalt - Altered**

106.9 - 108.7: Pyrite mineralised.

<<Min: 106.9 - 109.7 7% pyrite>>

<<Vein: 107.2 - 107.3 Quartz 30 deg. >>

**108.70 109.85 T1 Basalt**

<<Min: 109.7 - 109.85 0.5% pyrite>>

**109.85 111.85 T2 Basalt - Altered**

<<Min: 109.85 - 111.85 4% pyrite>>

**111.85 112.65 T12 Massive Sulphide**

111.85 - 112.65: semi-massive pyrite zone, medium to coarse grained pyrite aggregates. Minor qtz and t2 pieces.

<<Min: 111.85 - 112.65 60% pyrite>>

**112.65 113.45 T2 Basalt - Altered**

<<Min: 112.65 - 113.45 7% pyrite>>

**113.45 125.25 T5 Quartz Vein**

113.45 - 125.25: Bull qtz likely extensional. Wall rock inclusions occur through the middle of the vein (1-4cm)

<<Vein: 113.85 - 125.25 Quartz>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
92.60	94.10	1.50	178749	0.43				
94.10	95.00	0.90	178751	0.62				
95.00	95.90	0.90	178752	0.44				
95.90	96.90	1.00	178753	0.03				
96.90	97.50	0.60	178754	0.015				
97.50	98.85	1.35	178755	0.015				
98.85	100.40	1.55	178756	0.015				
100.40	101.25	0.85	178757	0.015				
101.25	102.35	1.10	178758	0.015				
102.35	104.00	1.65	178759	0.03				
104.00	105.35	1.35	178761	0.03				
105.35	106.90	1.55	178762	0.04				
106.90	107.70	0.80	178763	0.97				
107.70	108.50	0.80	178764	0.18				
108.50	109.45	0.95	178765	0.015				
109.45	110.45	1.00	178766	0.015				
110.45	111.05	0.60	178767	0.04				
111.05	111.85	0.80	178768	1.11				
111.85	112.05	0.20	178769	10.8				
112.05	112.65	0.60	178771	5.897				
112.65	113.45	0.80	178772	0.78				
113.45	114.95	1.50	178773	0				
114.95	116.45	1.50	178774	0				
116.45	117.95	1.50	178775	0.034				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-07

From (m) To (m) Rocktype & Description

**125.25 129.65 T2 Basalt - Altered**

125.25 - 129.65: abundant coarse pyrite

<<Min: 125.25 - 129.65 7% pyrite>>

<<Vein: 125.6 - 125.61 Quartz 5 deg. >> thin ext veins down axis from qtz contact.

<<Vein: 125.65 - 125.85 Quartz 18 deg. >>

<<Vein: 128.45 - 128.55 Quartz 8 deg. >>

**129.65 142.80 T3 Pyritic Mineralised Zone**

129.65 - 142.8: Finely disseminated pyrite, upper contact marked by thin (2mm) qtz vein medium pyrite uphole-fine downhole. Minor low angle qtz veins do occur. Also gradational increase in pyrite grain size in aggregates approaching lower boundary.

<<Min: 129.65 - 142.8 12% pyrite>>

<<Min: 142 - 143.85 7% pyrite>>

<<Vein: 132.2 - 132.8 Quartz 5 deg. >>

<<Vein: 140.95 - 141.35 Quartz 10 deg. >>

**142.80 143.85 T2 Basalt - Altered**

<<Struc: 143 - 143.1 weak Bedded 50 deg. >>

**143.85 148.30 T5 Quartz Vein**

143.85 - 148.3: Likely extensional, strongly brecciated, focussed towards lower contact. Angular qtz clasts in lesser ankeritic and pyritic fracture fill.

<<Min: 143.85 - 148.44 0.5% pyrite>>

<<Vein: 143.85 - 148.3 Quartz>> likely extensional, followed by brecciation and further introduction of fluids responsible for ankerite and pyrite alteration.

<<Struc: 145.8 - 148.3 moderate fault breccia>> brecciating qtz vein (continued deformation of faulting below likely).

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
117.95	119.45	1.50	178776	0				
119.45	120.95	1.50	178777	0.137				
120.95	122.45	1.50	178778	0				
122.45	123.95	1.50	178779	0				
123.95	125.25	1.30	178781	0.034				
125.25	126.75	1.50	178782	0.66				

126.75	128.25	1.50	178783	0.9				
128.25	129.65	1.40	178784	0.92				

129.65	131.15	1.50	178786	0.7				
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131.15	132.25	1.10	178787	1.47				
132.25	133.50	1.25	178788	0.994				
133.50	135.00	1.50	178789	1.47				
135.00	136.00	1.00	178791	0.8				
136.00	136.70	0.70	178792	0.31				
136.70	138.20	1.50	178793	0.9				
138.20	139.70	1.50	178794	0.95				
139.70	140.95	1.25	178795	0.9				
140.95	141.35	0.40	178796	0.377				
141.35	142.85	1.50	178797	1.19				
142.85	143.85	1.00	178798	1.42				

143.85	145.35	1.50	178799	0.103				
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145.35	146.60	1.25	07TC-07_36951	0.48				
146.60	147.15	0.55	07TC-07_36952	2.194				

147.15	148.30	1.15	07TC-07_36953	0.754				
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# Drill Log

Project:

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Hole Number:

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From (m) To (m) Rocktype & Description

**148.30 154.40 T2 Basalt - Altered**

148.3 - 154.4: Fault gouge, friable clay rich T2, fine (T3) and coarse pyrite.

<<Min: 148.44 - 154.4 8% pyrite>> coarse aggregates and fine-coarse diss

<<Struc: 148.3 - 154.4 strong fault>> fault gouge zone, mineralised T2, strong clay alteration, difficult to determine kinematics or timing of structure.

**154.40 159.20 T3 Pyritic Mineralised Zone**

154.4 - 159.2: Less fractured than up-hole however still broken, Finely disseminated Py. Lacking qtz veins.

<<Min: 154.4 - 159.2 16% pyrite>> forming pervasive through T2, In parts seems to form wispy bands of irregular orientation.

<<Struc: 154.4 - 159 weak fault>>

**159.20 162.30 T2 Basalt - Altered**

159.2 - 162.3: pyritic, clay altered and sheared locally.

<<Min: 159.2 - 162.3 4% pyrite>>

<<Vein: 162.1 - 162.3 Quartz>> likely extensional (upper cnt), some brittle deformation and pyrite bandin on lower contact.

<<Struc: 160.2 - 160.6 moderate Sheared 30 deg. >> friable clay alt zone

**162.30 162.90 T12 Massive Sulphide**

162.3 - 162.9: semi-msv py, lower contact of 15cm qtz vein

<<Min: 162.3 - 162.9 60% pyrite>>

**162.90 165.70 T2 Basalt - Altered**

162.9 - 165.7: Pyritic.

<<Min: 162.9 - 167.35 6% pyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
148.30	149.30	1.00	07TC-07_36954	1.65				

149.30	150.50	1.20	07TC-07_36955	2.537				
150.50	151.50	1.00	07TC-07_36956	2.297				

151.50	153.00	1.50	07TC-07_36957	2.229				
153.00	154.10	1.10	07TC-07_36958	2.023				
154.10	155.00	0.90	07TC-07_36959	5.726				
155.00	155.75	0.75	07TC-07_36961	3.394				

155.75	156.65	0.90	07TC-07_36962	2.4				
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156.65	157.30	0.65	07TC-07_36963	3.086				
157.30	158.30	1.00	07TC-07_36964	0.88				
158.30	158.70	0.40	07TC-07_36965	1.39				
158.70	159.20	0.50	07TC-07_36966	1.49				
159.20	160.10	0.90	07TC-07_36967	0.15				

160.10	161.00	0.90	07TC-07_36968	1.24				
161.00	161.30	0.30	07TC-07_36969	0.04				

161.30	161.90	0.60	07TC-07_36971	1.17				
161.90	162.20	0.30	07TC-07_36972	6.206				
162.20	163.10	0.90	07TC-07_36973	17.246				

163.10	164.60	1.50	07TC-07_36974	2.16				
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164.60	165.80	1.20	07TC-07_36975	0.58				
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# Drill Log

Project:

Cassiar

Hole Number:

07TC-07

From (m) To (m) Rocktype & Description

**165.70 166.60 FLT Fault, Fault Zone**

165.7 - 166.6: Gouge zone, pyrite rich (coarse up to 1cm), moderate clay alt. And limonite. Grey coloured fragments possibly graphitic.

<<Struc: 165.7 - 166.6 strong fault gouge>>

**166.60 167.35 T2 Basalt - Altered**

**167.35 167.70 T12 Massive Sulphide**

167.35 - 167.7: Lower zone to 2cm ext qtz vein.

<<Min: 167.35 - 167.7 40% pyrite>>

<<Vein: 167.35 - 167.37 Quartz 45 deg. >>

**167.70 170.30 T3 Pyritic Mineralised Zone**

167.7 - 170.3: fine py + minor medium grained py.

<<Min: 167.7 - 170.3 12% pyrite>>

**170.30 174.00 5DD Argillite**

170.3 - 174: Sharp contact, 5-10cm bands and fragments in sediments. Contacts seem relatively un-deformed. Amkerite blebs continue into sediments forming augen textures, stretching into strain shadows, indicates some later stage shearing (+possible earlier).

<<Min: 170.3 - 189.28 0.1% pyrite>>

<<Struc: 171.9 - 171.91 strong contact 35 deg. >> argillite-mafic, sharp weak shearing.

<<Struc: 173.5 - 173.6 strong Bedded 55 deg. >>

**174.00 180.60 T8 Mafic Tuff**

174 - 180.6: Moderately banded mafic, weak to moderate blebby ankerite occurs throughout, and banded locally.

<<Struc: 178.4 - 178.9 moderate Bedded 70 deg. >> irregular, banding, contains cherty bands. Interpreted to be related to protolith however cannot rule out shearing near thrust ramp. Could account for duplexing.

**180.60 185.90 5DD Argillite**

180.6 - 185.9: sharp contact concordant to banding, flattening and possible folding of bedding.

<<Struc: 182.2 - 182.3 strong Bedded 30 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
165.80	166.60	0.80	07TC-07_36976	2.743				
166.60	167.20	0.60	07TC-07_36977	0.13				
167.20	167.85	0.65	07TC-07_36978	2.846				
167.85	168.85	1.00	07TC-07_36979	3.566				
168.85	169.77	0.92	07TC-07_36981	2.777				
169.77	170.40	0.63	07TC-07_36982	3.977				
170.40	171.90	1.50	07TC-07_36983	0.82				
171.90	173.40	1.50	07TC-07_36984	0.18				
173.40	174.10	0.70	07TC-07_36985	0.04				
174.10	175.60	1.50	07TC-07_36986	0.19				
175.60	177.10	1.50	07TC-07_36987	0.04				
177.10	178.60	1.50	07TC-07_36989	0.03				
178.60	179.60	1.00	07TC-07_36991	0.015				
179.60	180.60	1.00	07TC-07_36992	0.015				
180.60	182.10	1.50	07TC-07_36993	0.05				

## Drill Log

Project:

Cassiar

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From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
		<<Struc: 184.7 - 184.71 moderate fault 40 deg. >> bedding orintation varies around it.									
<b>185.90</b>	<b>189.20</b>	<b>5B Chert</b>									
		185.9 - 189.2: Lesser argillite bands (.5-1cm).									
		<<Struc: 185.9 - 185.901 moderate contact 30 deg. >>									
		<<Struc: 188.9 - 189 moderate Bedded 45 deg. >>									
<b>End of Hole @ 189.28</b>											



# Drill Log

**Project:** Cassiar **Hole Number:** 07TC-05

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By: Ryan Congdon
Grid:	Hole Diameter:	Survey By:	Date Started: 29/06/2012
UTM Easting	Core Size: HQ	Azimuth:	Date Completed: 29/06/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 190.8	Drill Rig:
Local Easting:	Stored?: <input checked="" type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			

**Comments:**

Quick re-log of historic diamond drill hole from 2007, drilled on Taurus Hill 88 area.

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>6.30</b>	<b>NCOR No Core</b>	3.30	4.80	1.50	32141	0.015				
			4.80	6.30	1.50	32142	0.015				
<b>6.30</b>	<b>7.85</b>	<b>T1 Basalt</b>	6.30	7.85	1.55	32143	0.015				
<b>7.85</b>	<b>8.85</b>	<b>T2 Basalt - Altered</b>	7.85	8.85	1.00	32144	0.69				
<<Min: 7.85 - 8.85 4% pyrite>>											
<<Min: 7.85 - 8.85 1% arsenopyrite>>											
<<Alt: 7.85 - 8.85 strong Ankerite>>											
<b>8.85</b>	<b>11.70</b>	<b>T1 Basalt</b>	8.85	10.30	1.45	32145	1				
			10.30	11.70	1.40	32146	0.015				
<b>11.70</b>	<b>20.50</b>	<b>T2 Basalt - Altered</b>	11.70	13.50	1.80	32147	3.189				
<<Min: 11.7 - 15 6% pyrite>>											
<<Min: 15 - 17.5 5% pyrite>>											
<<Min: 15 - 17.5 2% arsenopyrite>>											
<<Alt: 11.7 - 20.5 strong Ankerite>>											
<<Vein: 15.5 - 15.5 Quartz 45 deg. >>											
			13.50	15.00	1.50	32148	2.297				
			15.00	15.65	0.65	32149	0.21				
			15.65	17.00	1.35	32151	0.64				
			17.00	18.00	1.00	32152	2.057				
			18.00	18.90	0.90	32153	0.12				
			18.90	20.50	1.60	32154	0.03				
<b>20.50</b>	<b>25.00</b>	<b>T1 Basalt</b>	20.50	22.00	1.50	32155	0.015				
<<Alt: 20.5 - 25 weak Ankerite>>											
			22.00	23.50	1.50	32156	0.015				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-05

From (m) To (m) Rocktype & Description

**25.00 29.30 T2 Basalt - Altered**

<<Min: 28.45 - 32.3 6% pyrite>>  
 <<Min: 28.45 - 32.3 0.5% arsenopyrite>>  
 <<Alt: 25 - 32.3 strong Ankerite>>

**29.30 29.60 T5 Quartz Vein**

<<Min: 29.3 - 29.6 10% pyrite>> bands of sulphides (0.1-2cm) and stringers in 30cm QV and margins  
 <<Min: 29.3 - 29.6 6% arsenopyrite>> bands of sulphides (0.1-2cm) and stringers in 30cm QV and margins  
 <<Vein: 29.3 - 29.6 Quartz>>

**29.60 32.30 T2 Basalt - Altered**

**32.30 34.90 T1 Basalt**

**34.90 35.55 T5 Quartz Vein**

<<Min: 34.9 - 39.8 5% pyrite>>  
 <<Min: 34.9 - 39.8 1% arsenopyrite>>  
 <<Alt: 34.9 - 41 strong Ankerite>>  
 <<Vein: 34.9 - 35.55 Quartz>>

**35.55 41.00 T2 Basalt - Altered**

<<Min: 37.5 - 38.4 3% arsenopyrite>>  
 <<Vein: 35.55 - 36 Quartz 45 deg. >>

**41.00 42.50 FLT Fault, Fault Zone**

<<Alt: 41 - 42.5 moderate Ankerite>>

**42.50 44.65 T2 Basalt - Altered**

<<Alt: 42.5 - 45.7 strong Ankerite>>

**44.65 44.95 T5 Quartz Vein**

<<Vein: 44.65 - 44.95 Quartz>>

**44.95 45.70 T2 Basalt - Altered**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
23.50	24.45	0.95	32157	0.04				
24.45	25.05	0.60	32158	0.015				
25.05	25.80	0.75	32159	0.17				
25.80	27.30	1.50	32161	0.04				
27.30	28.45	1.15	32162	0.015				
28.45	29.30	0.85	32163	3.737				
29.30	29.60	0.30	32164	20.297				
29.60	30.30	0.70	32165	0.015				
30.30	30.80	0.50	32166	0.05				
30.80	31.90	1.10	32167	13.886				
31.90	32.90	1.00	32168	0.04				
32.90	33.90	1.00	32169	0.03				
33.90	34.90	1.00	32171	0.015				
34.90	35.55	0.65	32172	3.154				
35.55	36.00	0.45	32173	7.989				
36.00	37.50	1.50	32175	2.366				
37.50	38.70	1.20	32176	0.7				
38.70	39.90	1.20	32177	2.709				
39.90	41.35	1.45	32178	0.015				
41.35	42.50	1.15	32179	0.04				
42.50	43.65	1.15	32181	5.554				
43.65	44.65	1.00	32182	0.8				
44.65	44.95	0.30	32183	6.411				
44.95	46.40	1.45	32184	0.43				

# Drill Log

Project:

Cassiar

Hole Number:

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From (m) To (m) Rocktype & Description

**45.70 52.60 T1 Basalt**

**52.60 52.95 T2 Basalt - Altered**

<<Min: 52.6 - 52.95 8% pyrite>>

<<Min: 52.6 - 52.95 3% arsenopyrite>>

<<Alt: 52.6 - 53.9 strong Ankerite>>

**52.95 53.30 T5 Quartz Vein**

<<Min: 52.95 - 53.3 6% pyrite>> bands

<<Min: 52.95 - 53.3 3% arsenopyrite>> bands

<<Vein: 52.95 - 53.3 Quartz 48 deg. >>

**53.30 53.90 T2 Basalt - Altered**

<<Min: 53.3 - 53.9 5% pyrite>>

<<Min: 53.3 - 53.9 1% arsenopyrite>>

**53.90 58.30 T1 Basalt**

**58.30 60.35 T2 Basalt - Altered**

<<Min: 58.3 - 60.35 1% pyrite>>

<<Alt: 58.3 - 68.2 strong Ankerite>>

**60.35 60.60 T5 Quartz Vein**

<<Min: 60.4 - 62 6% pyrite>>

<<Min: 60.4 - 62 1% arsenopyrite>>

<<Vein: 60.35 - 60.6 Quartz>>

**60.60 68.20 T2 Basalt - Altered**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
46.40	47.90	1.50	32185	0.015				
47.90	49.40	1.50	32186	0.015				
49.40	50.90	1.50	32187	0.015				
50.90	51.90	1.00	32188	0.015				
51.90	52.65	0.75	32189	0.03				
52.65	52.95	0.30	32191	1.25				
52.95	53.30	0.35	32192	16.217				
53.30	53.90	0.60	32193	1.53				
53.90	55.40	1.50	32194	0.03				
55.40	56.90	1.50	32195	0.03				
56.90	57.40	0.50	32196	0.015				
57.40	58.30	0.90	32197	0.03				
58.30	59.05	0.75	32198	0.61				
59.05	60.00	0.95	32199	0.015				
60.00	60.35	0.35	07TC-05_43101	2.263				
60.35	60.60	0.25	07TC-05_43102	2.434				
60.60	61.95	1.35	07TC-05_43103	1.19				
61.95	62.55	0.60	07TC-05_43104	0.015				
62.55	63.10	0.55	07TC-05_43105	0.35				
63.10	63.75	0.65	07TC-05_43106	0.015				
63.75	64.35	0.60	07TC-05_43107	6.411				
64.35	65.85	1.50	07TC-05_43108	0.19				

# Drill Log

Project:

Cassiar

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From (m) To (m) Rocktype & Description

**68.20 76.85 T1 Basalt**

**76.85 78.30 T2 Basalt - Altered**

<<Alt: 76.85 - 97.2 strong Ankerite>>

**78.30 78.60 FLT Fault, Fault Zone**

78.3 - 78.6: QV

**78.60 94.75 T2 Basalt - Altered**

**94.75 95.55 FLT Fault, Fault Zone**

94.75 - 95.55: Fault Breccia

<<Min: 94.75 - 95.55 2% pyrite>>

<<Min: 94.75 - 95.55 0.5% arsenopyrite>>

<<Struc: 94.75 - 95.55 strong fault breccia 45 deg. >> Qtz+Ca vein breccia

**95.55 97.20 T2 Basalt - Altered**

**97.20 102.80 T1 Basalt**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
65.85	67.35	1.50	07TC-05_43109	0.31				
67.35	68.85	1.50	07TC-05_43111	0.015				
68.85	69.85	1.00	07TC-05_43112	0.015				
69.85	71.30	1.45	07TC-05_43113	0.015				
71.30	72.80	1.50	07TC-05_43114	0.015				
72.80	73.80	1.00	07TC-05_43115	0.03				
73.80	75.25	1.45	07TC-05_43116	0.015				
75.25	76.85	1.60	07TC-05_43117	0.015				
76.85	78.30	1.45	07TC-05_43118	0.43				
78.30	78.60	0.30	07TC-05_43119	1.92				
78.60	80.10	1.50	07TC-05_43121	0.24				
80.10	81.60	1.50	07TC-05_43122	0.015				
81.60	83.10	1.50	07TC-05_43123	0.05				
83.10	84.30	1.20	07TC-05_43124	0.015				
84.30	85.80	1.50	07TC-05_43125	0.015				
85.80	86.85	1.05	07TC-05_43126	0.015				
86.85	88.35	1.50	07TC-05_43127	0.07				
88.35	89.80	1.45	07TC-05_43128	0.015				
89.80	91.30	1.50	07TC-05_43129	0.17				
91.30	92.55	1.25	07TC-05_43131	0.47				
92.55	94.00	1.45	07TC-05_43132	0.14				
94.00	94.95	0.95	07TC-05_43133	0.75				
94.95	95.55	0.60	07TC-05_43134	0.52				
95.55	96.30	0.75	07TC-05_43135	0.63				
96.30	97.80	1.50	07TC-05_43136	0.03				
97.80	99.30	1.50	07TC-05_43137	0.015				
99.30	100.80	1.50	07TC-05_43138	0.015				

# Drill Log

Project:

Cassiar

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From (m) To (m) Rocktype & Description

**102.80 110.05 T2 Basalt - Altered**

<<Min: 104 - 106 4% pyrite>>  
 <<Min: 105 - 105.8 2% arsenopyrite>>  
 <<Min: 109.5 - 110.7 4% pyrite>>  
 <<Alt: 102.8 - 128 strong Ankerite>>

**110.05 110.35 T5 Quartz Vein**

<<Vein: 110.05 - 110.35 Quartz>>

**110.35 121.90 T2 Basalt - Altered**

<<Min: 121 - 121.5 2% pyrite>>  
 <<Min: 121 - 121.5 0.5% arsenopyrite>> associated with 10cm ext QV  
 <<Vein: 121.2 - 121.24 Quartz 42 deg. >>  
 <<Struc: 110.5 - 115 weak fault 10 deg. >> low angle faulting

**121.90 124.90 FLT Fault, Fault Zone**

**124.90 128.00 T2 Basalt - Altered**

<<Struc: 124.9 - 128 moderate fault 10 deg. 30 deg. >> low angle fault breccia

**128.00 133.75 T1 Basalt**

**133.75 154.40 T2 Basalt - Altered**

<<Min: 134.7 - 137 5% pyrite>>  
 <<Min: 134.7 - 137 1% arsenopyrite>>  
 <<Min: 142.5 - 143.4 5% pyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
100.80	102.30	1.50	07TC-05_43139	0.015				
102.30	103.35	1.05	07TC-05_43141	0.015				
103.35	104.60	1.25	07TC-05_43142	0.9				
104.60	106.05	1.45	07TC-05_43143	0.75				
106.05	107.10	1.05	07TC-05_43144	0.42				
107.10	108.60	1.50	07TC-05_43145	0.17				
108.60	109.50	0.90	07TC-05_43146	0.015				
109.50	110.05	0.55	07TC-05_43147	1.28				
110.05	110.35	0.30	07TC-05_43148	0.3				
110.35	111.65	1.30	07TC-05_43149	0.17				
111.65	113.00	1.35	07TC-05_43151	0.07				
113.00	114.50	1.50	07TC-05_43152	0.015				
114.50	115.50	1.00	07TC-05_43153	0.11				
115.50	116.40	0.90	07TC-05_43154	0.015				
116.40	117.55	1.15	07TC-05_43155	0.03				
117.55	118.55	1.00	07TC-05_43156	0.015				
118.55	120.00	1.45	07TC-05_43157	0.015				
120.00	121.00	1.00	07TC-05_43158	0.11				
121.00	121.90	0.90	07TC-05_43159	0.45				
121.90	123.40	1.50	07TC-05_43161	0.03				
123.40	124.90	1.50	07TC-05_43162	0.015				
124.90	126.40	1.50	07TC-05_43163	0.03				
126.40	127.05	0.65	07TC-05_43164	0.015				
127.05	127.35	0.30	07TC-05_43165	0.015				
127.35	128.60	1.25	07TC-05_43166	0.015				
128.60	130.10	1.50	07TC-05_43167	0.015				
130.10	131.60	1.50	07TC-05_43168	0.015				
131.60	132.60	1.00	07TC-05_43169	0.015				
132.60	133.75	1.15	07TC-05_43171	0.015				
133.75	135.20	1.45	07TC-05_43173	0.86				
135.20	136.70	1.50	07TC-05_43174	11.109				
136.70	138.20	1.50	07TC-05_43175	0.39				
138.20	139.40	1.20	32274	0.04				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-05

From (m) To (m) Rocktype & Description

<<Min: 142.5 - 143.4 1% arsenopyrite>>  
 <<Min: 146 - 146.5 3% pyrite>>  
 <<Min: 146 - 146.5 1% arsenopyrite>>  
 <<Alt: 133.75 - 154.4 strong Ankerite>>  
 <<Vein: 134.7 - 134.8 Quartz 25 deg. >>  
 <<Vein: 142.5 - 142.6 Quartz 25 deg. >>

**154.40 175.40 T1 Basalt**

154.4 - 175.4: possible mafic tuff/volcanoclastics.

**175.40 181.20 T2 Basalt - Altered**

175.4 - 181.2: weak alteration

<<Alt: 175.4 - 181.2 weak Ankerite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
139.40	140.90	1.50	32275	0.015				
140.90	141.90	1.00	32276	0.08				
141.90	143.40	1.50	32277	2.606				
143.40	144.90	1.50	32278	0.14				
144.90	146.40	1.50	32279	1.23				
146.40	147.90	1.50	32281	0.32				
147.90	148.60	0.70	32282	0.015				
148.60	149.20	0.60	32283	0.015				
149.20	150.25	1.05	32284	0.015				
150.25	151.75	1.50	32285	0.03				
151.75	153.25	1.50	32286	0.015				
153.25	154.20	0.95	32287	0.015				
154.20	155.70	1.50	32288	0.015				
155.70	157.20	1.50	32289	0.015				

157.20	158.70	1.50	32291	0.015				
158.70	159.60	0.90	32293	0.015				
159.60	160.30	0.70	32294	0.015				
160.30	161.80	1.50	32295	0.08				
161.80	163.30	1.50	178651	0.015				
163.30	164.80	1.50	178652	0.015				
164.80	166.30	1.50	178653	0.015				
166.30	167.80	1.50	178654	0.015				
167.80	169.30	1.50	178655	0.015				
169.30	170.80	1.50	178656	0.015				
170.80	172.30	1.50	178657	0.015				
172.30	173.80	1.50	178658	0.04				
173.80	175.30	1.50	178659	0.03				
175.30	176.80	1.50	178661	0.015				
176.80	178.30	1.50	178662	0.015				

178.30	179.80	1.50	178663	0.05				
179.80	181.20	1.40	178664	0.12				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-05

From (m)    To (m)                      Rocktype & Description

**181.20 186.60 T1                      Basalt**

181.2 - 186.6: low angle chloritic faulting

**186.60 189.30 T2                      Basalt - Altered**

186.6 - 189.3: Brecciated

**189.30 190.80 FLT                      Fault, Fault Zone**

189.3 - 190.8: T2, Strong breccia with calcite infill.

<<Alt: 189.3 - 190.8 moderate Ankerite>>

<<Struc: 189.3 - 190.3 strong fault breccia 30 deg. >> calcite breccia

**End of Hole @ 190.8**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
181.20	182.70	1.50	178665	0.015				

182.70	184.20	1.50	178666	0.015				
184.20	185.70	1.50	178667	0.015				
185.70	186.15	0.45	178668	0.015				
186.15	187.65	1.50	178669	0.015				
187.65	189.15	1.50	178671	0.06				

189.15	190.80	1.65	178672	0.015				
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# Drill Log

**Project:** Cassiar **Hole Number:** 07TC-04

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By:
Grid:	Hole Diameter:	Survey By:	Date Started: 27/06/2012
UTM Easting	Core Size: HQ	Azimuth:	Date Completed: 27/06/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 141.4	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			
Re-log of historic diamond drill hole drilled 2007 on the Taurus deposit.			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>11.15</b>	<b>T2 Basalt - Altered</b>	1.10	1.40	0.30	32296	4.834				
<<Min: 3.5 - 8 6% pyrite>>			1.40	2.06	0.66	32297	0.015				
<<Min: 3.5 - 8 2% arsenopyrite>>			2.06	3.56	1.50	32298	0.015				
<<Alt: 0 - 11.15 strong Ankerite>>			3.56	4.27	0.71	32299	1.53				
			4.27	5.00	0.73	31355	2.366				
			5.00	5.60	0.60	31356	3.12				
			5.60	6.45	0.85	31357	0.11				
			6.45	6.65	0.20	31358	3.943				
			6.65	6.98	0.33	31359	10.937				
			6.98	7.50	0.52	31361	1.62				
			7.50	9.00	1.50	31362	0.06				
			9.00	9.85	0.85	31363	0.03				
			9.85	10.60	0.75	31364	0.015				
			10.60	11.06	0.46	31365	1.29				
			11.06	12.56	1.50	31366	0.015				
<b>11.15</b>	<b>17.30</b>	<b>T1 Basalt</b>	12.56	14.06	1.50	31367	0.03				
			14.06	14.90	0.84	31368	0.06				
			14.90	15.05	0.15	31369	0.13				
			15.05	16.70	1.65	31371	0.015				



# Drill Log

Project:

Cassiar

Hole Number:

07TC-04

From (m) To (m) Rocktype & Description

**17.30 20.90 T2 Basalt - Altered**

<<Min: 17.3 - 19.4 6% pyrite>>

<<Min: 17.3 - 19.4 1% arsenopyrite>>

<<Alt: 17.3 - 20.9 strong Ankerite>>

<<Vein: 18.5 - 18.85 Quartz 45 deg. >> set of 2-8cm veins

**20.90 26.25 T1 Basalt**

**26.25 36.70 T2 Basalt - Altered**

<<Min: 26.6 - 27.5 4% pyrite>>

<<Min: 32.2 - 34 6% pyrite>>

<<Min: 32.2 - 34 1% arsenopyrite>>

<<Alt: 26.25 - 36.7 strong Ankerite>>

<<Vein: 33.1 - 33.4 Quartz 45 deg. >> wall rock bands included, semi-msv Py+As associated with QV

**36.70 46.20 T1 Basalt**

**46.20 69.80 T2 Basalt - Altered**

<<Min: 54.6 - 54.7 6% arsenopyrite>> lower QV contact (2-3cm)

<<Min: 55.2 - 55.5 6% pyrite>> stringers and semi-msv clots near wallrockcontacts

<<Min: 55.2 - 55.5 4% arsenopyrite>> stringers and semi-msv clots near wallrockcontacts

<<Min: 59.94 - 59.95 10% arsenopyrite>> 1cm envelope to EXT QV, also forming fg mineralisation associated with thin (1mm) fracture into wall rock

<<Min: 64 - 67.9 4% pyrite>> very coarse grained (1cm), almost aggregates/semi-msv

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
16.70	17.40	0.70	31372	0.015				
17.40	17.71	0.31	31373	0.05				
17.71	18.41	0.70	31374	2.057				
18.41	19.06	0.65	31375	1.53				
19.06	20.18	1.12	31376	0.05				
20.18	20.98	0.80	31377	0.11				
20.98	22.48	1.50	31378	0.09				
22.48	23.95	1.47	31379	0.03				
23.95	25.10	1.15	31381	0.04				
25.10	26.25	1.15	31382	0.015				
26.25	26.45	0.20	31383	0.015				
26.45	27.65	1.20	31384	0.76				
27.65	28.65	1.00	31385	0.015				
28.65	29.93	1.28	31386	0.015				
29.93	31.17	1.24	31387	0.015				
31.17	32.05	0.88	31388	0.18				
32.05	33.00	0.95	31389	1.07				
33.00	33.75	0.75	31391	7.166				
33.75	35.00	1.25	31392	0.03				
35.00	36.50	1.50	31393	0.015				
36.50	38.10	1.60	31394	0.015				
38.10	39.45	1.35	31395	0.015				
39.45	41.03	1.58	31396	0.06				
41.03	42.60	1.57	31397	0.04				
42.60	43.50	0.90	31398	0.03				
43.50	45.13	1.63	31399	0.015				
45.13	46.42	1.29	32051	0.015				
46.42	48.00	1.58	32052	0.04				
48.00	49.60	1.60	32053	0.07				
49.60	51.10	1.50	32054	0.72				
51.10	52.70	1.60	32055	0.05				
52.70	54.00	1.30	32056	2.297				
54.00	55.20	1.20	32057	0.25				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-04

From (m) To (m) Rocktype & Description

<<Min: 64 - 67.9 0.5% arsenopyrite>>  
 <<Alt: 46.2 - 69.8 strong Ankerite>>  
 <<Vein: 49.8 - 50 Quartz>> Tet+Cpy clusters  
 <<Vein: 54.6 - 54.7 Quartz>> msv As lower contact  
 <<Vein: 55.2 - 55.5 Quartz>> cluster +stringers As+Py in vein  
 <<Vein: 59.7 - 59.95 Quartz 45 deg. >> 1cm fg As+Py envelope  
 <<Vein: 64.45 - 64.75 Quartz>>  
 <<Vein: 66.2 - 66.35 Quartz 30 deg. >>

**69.80 72.40 T1 Basalt**  
**72.40 83.50 T2 Basalt - Altered**

<<Min: 77.9 - 78.5 3% pyrite>>  
 <<Min: 77.9 - 78.5 0.5% arsenopyrite>>  
 <<Alt: 72.4 - 83.5 strong Ankerite>>

**83.50 90.40 T1 Basalt**

**90.40 100.80 T2 Basalt - Altered**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
55.20	55.50	0.30	32058	221.00 6				
55.50	56.50	1.00	32061	3.257				
56.50	58.00	1.50	32062	0.08				
58.00	59.45	1.45	32063	0.03				
59.45	60.25	0.80	32064	2.023				
60.25	61.75	1.50	32065	0.04				
61.75	64.10	2.35	32066	0.015				
64.10	64.55	0.45	32068	8.126				
64.55	64.85	0.30	32069	3.086				
64.85	65.85	1.00	32071	11.589				
65.85	66.85	1.00	32072	0.11				
66.85	67.86	1.01	32073	5.794				
67.86	68.66	0.80	32074	0.13				
68.66	69.60	0.94	32075	0.015				
69.60	71.00	1.40	32076	0.015				
71.00	72.40	1.40	32077	0.015				
72.40	73.50	1.10	32078	0.015				
73.50	74.70	1.20	32079	0.015				
74.70	75.40	0.70	32081	0.015				
75.40	76.10	0.70	32082	0.015				
76.10	77.10	1.00	32083	0.015				
77.10	78.50	1.40	32084	1.68				
78.50	80.00	1.50	32085	0.04				
80.00	81.10	1.10	32086	0.015				
81.10	81.85	0.75	32087	0.03				
81.85	82.50	0.65	32088	0.78				
82.50	83.22	0.72	32089	0.015				
83.22	84.72	1.50	32091	0.015				
84.72	86.22	1.50	32092	0.015				
86.22	88.00	1.78	32093	0.015				
88.00	89.30	1.30	32094	0.015				
89.30	90.55	1.25	32095	0.015				
90.55	91.90	1.35	32096	0.03				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-04

From (m) To (m) Rocktype & Description

<<Alt: 90.4 - 100.8 strong Ankerite>>

**100.80 104.70 T1 Basalt**

**104.70 105.30 T8 Mafic Tuff**

104.7 - 105.3: Lapilli+ash tuff? Also sheared, possible shear zone

<<Alt: 104.7 - 105.3 moderate Ankerite>>

**105.30 109.10 T1 Basalt**

**109.10 126.90 T2 Basalt - Altered**

<<Struc: 117.9 - 127.7 strong fault breccia 45 deg. >>

**126.90 127.70 FLT Fault, Fault Zone**

126.9 - 127.7: T2,

<<Alt: 126.9 - 133.5 moderate Ankerite>>

**127.70 133.50 T2 Basalt - Altered**

<<Min: 132.4 - 133 3% pyrite>>

<<Min: 132.4 - 133 1% arsenopyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
91.90	93.40	1.50	32097	0.04				
93.40	94.90	1.50	32098	0.015				
94.90	96.40	1.50	32099	0.1				
96.40	97.90	1.50	31146	0.03				
97.90	99.50	1.60	31147	0.05				
99.50	100.90	1.40	31148	0.015				
100.90	102.00	1.10	31149	0.015				
102.00	103.45	1.45	27001	0.015				
103.45	104.85	1.40	27002	0.015				
104.85	106.10	1.25	27003	0.015				

106.10	107.40	1.30	27004	0.015				
107.40	108.90	1.50	27005	0.015				
108.90	110.40	1.50	27006	0.015				
110.40	111.90	1.50	27007	0.015				
111.90	113.40	1.50	27008	0.11				
113.40	114.25	0.85	27009	0.13				
114.25	115.75	1.50	27011	0.015				
115.75	117.20	1.45	27012	0.015				
117.20	117.96	0.76	27013	1.27				
117.96	119.46	1.50	27015	0.08				
119.46	120.95	1.49	27016	0.03				
120.95	122.56	1.61	27017	0.21				
122.56	124.06	1.50	27018	0.22				
124.06	125.56	1.50	27019	0.015				
125.56	126.96	1.40	27021	0.015				
126.96	128.50	1.54	27022	0.03				

128.50	130.00	1.50	27023	0.015				
130.00	130.90	0.90	27024	0.04				
130.90	131.80	0.90	27025	0.04				

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**07TC-04**

From (m)    To (m)                      Rocktype & Description

**133.50 141.40 T1                      Basalt**

133.5 - 141.4: Poss tuff+breccia,multiple slickenslides (chloritic) and breccia fabric, in parts may be hyloclastic. However also sever faulting has occurred. Units leading up to this zone also show strong faulting.

<<Struc: 138 - 138 weak fault 10 deg. >>

**End of Hole @ 141.4**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
131.80	132.35	0.55	27026	0.56				
132.35	132.55	0.20	27027	1.26				
132.55	134.00	1.45	27028	0.49				
134.00	135.30	1.30	27029	0.03				

135.30	136.80	1.50	27031	0.015				
136.80	138.30	1.50	27032	0.03				
138.30	139.80	1.50	27033	0.015				
139.80	141.40	1.60	27034	0.015				

# Drill Log

**Project:** Cassiar **Hole Number:** 07TC-02

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By: Margot McKeown
Grid:	Hole Diameter:	Survey By:	Date Started:
UTM Easting	Core Size:	Azimuth:	Date Completed:
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 121.01	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>3.50</b>	<b>OVB Overburden</b>									
<b>3.50</b>	<b>18.23</b>	<b>T2 Basalt - Altered</b>	3.50	4.50	1.00	31401	0.015				
<<Min: 3.5 - 8.7 1% pyrite>>			4.50	5.50	1.00	31402	0.015				
<<Min: 10.9 - 18.23 0.5% pyrite>>			5.50	6.45	0.95	31403	0.9				
<<Alt: 3.5 - 8.7 weak White mica (Sericite)>>			6.45	7.45	1.00	31404	0.05				
<<Alt: 3.5 - 8.7 moderate Silicification >>			7.45	8.65	1.20	31405	4.423				
<<Alt: 3.5 - 8.7 weak Sericite>>			8.65	10.30	1.65	31406	0.015				
<<Alt: 8.7 - 10.9 weak Silicification >>			10.30	11.80	1.50	31407	0.015				
<<Alt: 8.7 - 10.9 weak Ankerite>>			11.80	13.00	1.20	31408	0.015				
<<Alt: 10.9 - 18.23 moderate Silicification >>			13.00	14.30	1.30	31409	0.015				
<<Alt: 10.9 - 18.23 weak Ankerite>>			14.30	15.05	0.75	31411	9.703				
<<Vein: 8 - 8.1 Quartz 65 deg. >>			15.05	16.20	1.15	31412	0.03				
			16.20	17.50	1.30	31413	0.05				
			17.50	18.30	0.80	31414	4.491				
<b>18.23</b>	<b>18.89</b>	<b>T5 Quartz Vein</b>	18.30	18.80	0.50	31415	12.514				
18.23 - 18.89: Randomly oriented blebs of Py and AsPy											
<<Min: 18.23 - 18.89 9% pyrite>>			18.80	19.20	0.40	31416	1.18				
<<Min: 18.23 - 18.89 2% arsenopyrite>>											

# Drill Log

Project:

Cassiar

Hole Number:

07TC-02

From (m) To (m) Rocktype & Description

<<Vein: 18.23 - 18.89 Quartz>>

**18.89 52.61 T2 Basalt - Altered**

<<Min: 18.89 - 19.29 4% pyrite>>

<<Min: 26.2 - 28.32 4% pyrite>>

<<Min: 26.2 - 28.32 0.5% arsenopyrite>>

<<Min: 34.3 - 38.8 0.5% pyrite>>

<<Min: 42.73 - 43.24 3% pyrite>>

<<Min: 42.73 - 43.24 0.5% arsenopyrite>>

<<Min: 44.49 - 44.97 4% pyrite>>

<<Min: 44.49 - 44.97 0.5% arsenopyrite>>

<<Min: 49.11 - 52.61 2% pyrite>>

<<Alt: 18.89 - 52.61 weak White mica (Sericite)>>

<<Alt: 18.89 - 52.61 weak Sericite>>

<<Alt: 18.89 - 52.61 weak Ankerite>>

<<Vein: 23.97 - 24.07 Quartz 60 deg. >>

<<Vein: 27.88 - 27.93 Quartz 45 deg. >>

<<Vein: 42.97 - 43.06 Quartz 60 deg. >>

<<Vein: 49.33 - 49.42 Quartz>> With ankerite and coarse euhedral yrite

**52.61 53.09 FLT Fault, Fault Zone**

<<Min: 52.61 - 53.09 0.1% pyrite>>

<<Alt: 52.61 - 53.09 moderate White mica (Sericite)>>

<<Alt: 52.61 - 53.09 moderate Sericite>>

**53.09 103.62 T2 Basalt - Altered**

<<Min: 53.09 - 61.55 0.1% pyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
19.20	20.70	1.50	31417	0.015				
20.70	22.20	1.50	31418	0.015				
22.20	23.70	1.50	31419	0.015				
23.70	24.50	0.80	31421	0.19				
24.50	25.50	1.00	31422	0.015				
25.50	26.95	1.45	31423	0.87				
26.95	28.45	1.50	31424	2.469				
28.45	29.15	0.70	31425	0.2				
29.15	30.55	1.40	31426	0.03				
30.55	32.05	1.50	31427	0.03				
32.05	32.85	0.80	31428	0.04				
32.85	33.00	0.15	31429	0.91				
33.00	34.35	1.35	31431	0.1				
34.35	35.85	1.50	31432	0.48				
35.85	37.35	1.50	31433	0.61				
37.35	38.30	0.95	31434	0.42				
38.30	39.80	1.50	31435	0.03				
39.80	41.30	1.50	31436	0.015				
41.30	42.70	1.40	31437	0.09				
42.70	43.40	0.70	31438	2.366				
43.40	44.35	0.95	31439	0.05				
44.35	45.60	1.25	31441	8.023				
45.60	47.10	1.50	31443	0.04				
47.10	48.75	1.65	31444	0.15				
48.75	50.25	1.50	31445	4.423				
50.25	51.55	1.30	31446	3.257				
51.55	52.85	1.30	31447	0.97				
52.85	54.25	1.40	31448	0.05				
54.25	55.65	1.40	31449	0.06				
55.65	57.00	1.35	32001	0.015				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-02

From (m) To (m) Rocktype & Description

<<Min: 66.1 - 68.23 2% pyrite>>  
 <<Min: 66.1 - 68.23 0.5% arsenopyrite>>  
 <<Min: 68.56 - 69.19 0.1% pyrite>>  
 <<Min: 70.2 - 70.57 0.1% pyrite>>  
 <<Min: 75.05 - 77.04 0.1% pyrite>>  
 <<Min: 92.79 - 93.57 0.5% pyrite>>  
 <<Min: 95.2 - 96 3% pyrite>>  
 <<Min: 95.2 - 96 0.5% arsenopyrite>>  
 <<Min: 100.42 - 103.11 0.5% pyrite>>  
 <<Alt: 53.09 - 88.05 weak White mica (Sericite)>>  
 <<Alt: 53.09 - 88.05 weak Sericite>>  
 <<Alt: 53.09 - 88.05 moderate Ankerite>>  
 <<Alt: 88.05 - 92.45 strong Ankerite>>  
 <<Alt: 92.45 - 107.91 weak White mica (Sericite)>>  
 <<Alt: 92.45 - 107.91 weak Sericite>>  
 <<Alt: 92.45 - 107.91 moderate Ankerite>>  
 <<Vein: 59.5 - 59.6 Quartz 25 deg. >>  
 <<Vein: 67.71 - 67.94 Quartz>> Trace amounts of fuchsite  
 <<Vein: 69.21 - 69.25 Quartz 30 deg. >>  
 <<Vein: 92.1 - 92.12 Quartz 60 deg. >>  
 <<Vein: 92.44 - 92.5 Quartz>>  
 <<Vein: 95.07 - 95.18 Quartz>>  
 <<Vein: 95.79 - 95.85 Quartz 45 deg. >>  
 <<Vein: 101.1 - 101.12 Quartz 35 deg. >>  
 <<Vein: 101.43 - 101.45 Quartz>>  
 <<Vein: 101.9 - 101.91 Quartz 35 deg. >>  
 <<Vein: 102.34 - 102.36 Quartz 30 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
57.00	57.40	0.40	32002	0.37				
57.40	58.30	0.90	32003	0.015				
58.30	59.25	0.95	32004	0.015				
59.25	60.45	1.20	32005	0.015				
60.45	61.95	1.50	32006	0.015				
61.95	63.45	1.50	32007	0.015				
63.45	64.95	1.50	32008	0.015				
64.95	66.40	1.45	32009	0.05				
66.40	67.80	1.40	32011	11.211				
67.80	69.20	1.40	32012	0.015				
69.20	69.70	0.50	32013	1.59				
69.70	71.20	1.50	32014	0.015				
71.20	72.80	1.60	32015	0.015				
72.80	74.40	1.60	32016	0.015				
74.40	76.00	1.60	32017	0.015				
76.00	77.00	1.00	32018	0.91				
77.00	78.50	1.50	32019	0.015				
78.50	80.00	1.50	32021	0.015				
80.00	81.50	1.50	32022	0.015				
81.50	83.00	1.50	32023	0.015				
83.00	84.50	1.50	32024	0.015				
84.50	86.00	1.50	32025	0.015				
86.00	87.50	1.50	32026	0.015				
87.50	88.00	0.50	32027	0.015				
88.00	89.50	1.50	32028	0.38				
89.50	91.00	1.50	32029	0.05				
91.00	92.50	1.50	32031	0.23				
92.50	94.00	1.50	32032	0.17				
94.00	95.50	1.50	32033	0.56				
95.50	96.60	1.10	32034	0.7				
96.60	99.60	3.00	32035	0.015				
99.60	101.10	1.50	32036	0.05				
101.10	102.60	1.50	32037	0.77				
102.60	103.80	1.20	32038	0.28				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-02

From (m) To (m) Rocktype & Description

**103.62 106.10 FLT Fault, Fault Zone**

103.62 - 106.1: Breccia

**106.10 116.79 T2 Basalt - Altered**

<<Alt: 107.91 - 116.79 strong Ankerite>>

<<Vein: 108.91 - 108.98 Quartz-Carbonate 25 deg. >>

<<Vein: 109.11 - 109.25 Calcite 50 deg. >>

<<Vein: 109.11 - 109.25 Calcite 50 deg. >>

**116.79 121.01 T1 Basalt**

<<Alt: 116.79 - 121.01 moderate Fe-Carbonate>>

**End of Hole @ 121.01**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
103.80	104.90	1.10	32039	0.015				
104.90	106.30	1.40	32041	0.015				
106.30	107.80	1.50	32042	0.015				
107.80	108.85	1.05	32043	0.015				
108.85	109.30	0.45	32044	0.015				
109.30	110.40	1.10	32045	0.015				
110.40	111.50	1.10	32046	0.015				
111.50	112.65	1.15	32047	0.015				
112.65	113.65	1.00	32048	0.12				
113.65	114.70	1.05	32049	0.015				
114.70	116.20	1.50	31351	0.015				
116.20	117.70	1.50	31352	0.015				
117.70	119.20	1.50	31353	0.015				
119.20	121.05	1.85	31354	0.015				



# Drill Log

**Project:** Cassiar **Hole Number:** 07TC-01

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Margot McKeown
Grid:		Hole Diameter:		Survey By:		Date Started:	10/06/2012
UTM Easting		Core Size:		Azimuth:		Date Completed:	
UTM Northing:		Casing Pulled?:	<input type="checkbox"/>	Dip:		Drill Company:	
UTM Elev. (m):		Casing Depth (m):		Length (m):	154.53	Drill Rig:	
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title		Drill Started:	
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	
Local Elev. (m):							
Comments:							

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>4.30</b>	<b>OVB Overburden</b>	3.05	4.30	1.25	31151	0.48				
<b>4.30</b>	<b>5.45</b>	<b>T2 Basalt - Altered</b> <<Min: 4.3 - 5.45 2% pyrite>> <<Alt: 4.3 - 5.45 moderate Ankerite>>	4.30	5.45	1.15	31152	0.5				
<b>5.45</b>	<b>6.15</b>	<b>T5 Quartz Vein</b> <<Min: 5.45 - 6.15 2% pyrite>> <<Min: 5.45 - 6.15 0.5% arsenopyrite>> <<Vein: 5.45 - 6.15 Quartz>>	5.45	6.35	0.90	31153	1.9				
<b>6.15</b>	<b>19.34</b>	<b>T2 Basalt - Altered</b> <<Min: 6.15 - 7.01 4% pyrite>> <<Min: 6.15 - 7.01 0.5% arsenopyrite>> <<Min: 7.01 - 13.29 1% pyrite>> <<Min: 13.29 - 14.02 7% pyrite>> <<Min: 14.02 - 16.03 4% pyrite>> <<Min: 16.8 - 19.34 6% pyrite>> <<Min: 16.8 - 19.34 3% arsenopyrite>> <<Alt: 6.15 - 16.8 weak White mica (Serците)>> <<Alt: 6.15 - 16.8 weak Serците>>	6.35	7.85	1.50	31154	0.27				
			7.85	9.35	1.50	31155	0.015				
			9.35	10.75	1.40	31156	0.22				
			10.75	12.15	1.40	31157	0.015				
			12.15	13.60	1.45	31158	0.85				
			13.60	15.00	1.40	31159	9.223				
			15.00	16.50	1.50	31161	3.394				
			16.50	18.00	1.50	31162	2.4				
			18.00	19.00	1.00	31163	1.303				
			19.00	19.30	0.30	31164	32.811				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m) To (m) Rocktype & Description

<<Alt: 6.15 - 16.8 weak Ankerite>>  
 <<Alt: 16.8 - 19.34 weak White mica (Sericite)>>  
 <<Alt: 16.8 - 19.34 weak Sericite>>  
 <<Alt: 16.8 - 19.34 moderate Ankerite>>  
 <<Vein: 13.41 - 13.52 Quartz 40 deg. >> Blebs of pyrite  
 <<Vein: 16.41 - 16.43 Quartz 55 deg. >> Hornblende bearing  
 <<Vein: 17.95 - 17.98 Quartz 55 deg. >>  
 <<Vein: 19.13 - 19.2 Quartz 60 deg. >> With chunks of wallrock  
 <<Struc: 16.8 - 17.1 moderate Fractured>>  
 <<Struc: 18.54 - 19.01 moderate fault gouge>>

**19.34 21.90 FLT Fault, Fault Zone**

19.34 - 21.9: Altered basalt

<<Min: 19.34 - 21.9 3% pyrite>>  
 <<Alt: 19.34 - 21.9 weak White mica (Sericite)>>  
 <<Alt: 19.34 - 21.9 weak Sericite>>

**21.90 24.13 T1 Basalt**

21.9 - 24.13: Amyg filled with chlorite and flattened parallel to core axis

<<Min: 21.9 - 24.13 0.5% pyrite>>  
 <<Vein: 21.9 - 24.13 Calcite 55 deg. >>  
 <<Vein: 21.9 - 24.13 Calcite 55 deg. >>

**24.13 24.37 T5 Quartz Vein**

<<Min: 24.13 - 24.37 1% pyrite>>  
 <<Min: 24.13 - 24.37 0.1% chalcopryite>>  
 <<Vein: 24.13 - 24.37 Quartz>>

**24.37 34.20 T1 Basalt**

<<Min: 24.37 - 34.2 0.3% pyrite>>  
 <<Alt: 24.37 - 34.2 weak Fe-Carbonate>>  
 <<Struc: 24.37 - 34.2 moderate Fractured>>

**34.20 79.65 T2 Basalt - Altered**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
19.30	20.80	1.50	31165	4.32				
20.80	22.30	1.50	31166	1.029				
22.30	23.80	1.50	31167	0.03				
23.80	24.20	0.40	31168	0.69				
24.20	24.50	0.30	31169	5.726				
24.50	25.20	0.70	31171	1.93				
25.20	26.70	1.50	31172	0.015				
26.70	28.20	1.50	31173	0.015				
28.20	29.70	1.50	31174	0.015				
29.70	31.20	1.50	31175	0.015				
31.20	32.70	1.50	31176	0.015				
32.70	33.60	0.90	31177	0.015				
33.60	34.70	1.10	31178	0.78				
34.70	36.20	1.50	31179	1.79				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m) To (m) Rocktype & Description

<<Min: 34.2 - 38.06 2% pyrite>>  
 <<Min: 42.4 - 42.99 1% pyrite>>  
 <<Min: 42.99 - 51 0.5% pyrite>>  
 <<Min: 51 - 51.64 3% pyrite>>  
 <<Min: 51 - 51.64 0.5% arsenopyrite>>  
 <<Min: 53.1 - 54.02 4% pyrite>>  
 <<Min: 53.1 - 54.02 1% arsenopyrite>>  
 <<Min: 54.02 - 68.6 2% pyrite>>  
 <<Min: 54.02 - 68.6 0.3% arsenopyrite>>  
 <<Min: 68.6 - 79.65 0.5% pyrite>>  
 <<Alt: 34.2 - 79.65 weak White mica (Sericite)>>  
 <<Alt: 34.2 - 79.65 weak Sericite>>  
 <<Alt: 34.2 - 79.65 moderate Ankerite>>  
 <<Vein: 36.8 - 37.01 Quartz 64 deg. >>  
 <<Vein: 42.51 - 42.68 Quartz>>  
 <<Vein: 46.29 - 46.35 Quartz>>  
 <<Vein: 47.4 - 47.46 Quartz 70 deg. >>  
 <<Vein: 48.87 - 48.97 Quartz 65 deg. >>  
 <<Vein: 53.45 - 53.56 Quartz 58 deg. >>  
 <<Vein: 60.48 - 60.51 Quartz 47 deg. >>  
 <<Vein: 63.09 - 63.23 Quartz 56 deg. >>  
 <<Vein: 75.64 - 75.85 Quartz>>  
 <<Struc: 34.2 - 79.65 weak Fractured>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
36.20	37.10	0.90	31181	4.766				
37.10	37.40	0.30	31182	17.486				
37.40	38.71	1.31	31183	3.874				
38.71	39.60	0.89	31184	0.015				
39.60	41.00	1.40	31185	0.015				
41.00	42.10	1.10	31186	0.015				
42.10	43.00	0.90	31187	1.07				
43.00	44.50	1.50	31188	0.015				
44.50	45.35	0.85	31189	0.015				
45.35	46.10	0.75	31191	0.015				
46.10	47.15	1.05	31192	1.76				
47.15	48.65	1.50	31193	4.149				
48.65	50.00	1.35	31194	0.6				
50.00	51.50	1.50	31195	0.65				
51.50	53.10	1.60	31196	0.22				
53.10	53.93	0.83	31197	2.709				
53.93	55.30	1.37	31198	1.41				
55.30	56.55	1.25	31199	0.95				
56.55	58.05	1.50	31201	0.35				
58.05	59.50	1.45	31202	0.89				
59.50	61.00	1.50	31203	0.53				
61.00	62.50	1.50	31204	0.94				
62.50	63.90	1.40	31205	1.05				
63.90	64.15	0.25	31206	0.015				
64.15	65.50	1.35	31207	0.1				
65.50	67.00	1.50	31208	0.015				
67.00	68.50	1.50	31209	1.12				
68.50	70.00	1.50	31211	0.26				
70.00	71.50	1.50	31212	0.015				
71.50	72.10	0.60	31213	0.015				
72.10	73.00	0.90	31214	0.015				
73.00	74.20	1.20	31215	0.015				
74.20	74.85	0.65	31216	0.015				
74.85	75.50	0.65	31217	0.09				
75.50	75.90	0.40	31218	0.98				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m) To (m) Rocktype & Description

**79.65 80.03 T5 Quartz Vein**  
 <<Vein: 79.65 - 80.03 Quartz>>

**80.03 85.59 T2 Basalt - Altered**  
 <<Min: 80.03 - 82.74 2% pyrite>>  
 <<Min: 80.03 - 82.74 0.5% arsenopyrite>> Focussed along selvages of QZ veins  
 <<Alt: 80.03 - 85.59 strong Ankerite>>  
 <<Vein: 82.17 - 82.24 Quartz 35 deg. >>

**85.59 92.00 T1 Basalt**  
 <<Min: 85.59 - 92 0.5% pyrite>>  
 <<Alt: 85.59 - 92 moderate Fe-Carbonate>> Pervasive and in hairline fractures

**92.00 95.71 T2 Basalt - Altered**  
 <<Min: 92 - 95.71 0.1% pyrite>>  
 <<Alt: 92 - 95.71 moderate White mica (Serците)>>  
 <<Alt: 92 - 95.71 moderate Serците>>  
 <<Alt: 92 - 95.71 weak Ankerite>>  
 <<Vein: 93.47 - 93.53 Quartz>>

**95.71 100.03 T1 Basalt**  
 <<Min: 95.71 - 100.03 0.5% pyrite>>  
 <<Min: 95.71 - 100.03 0.1% hematite>> Focussed along fractures  
 <<Alt: 95.71 - 100.03 weak Fe-Carbonate>>

**100.03 113.30 T2 Basalt - Altered**  
 <<Min: 100.03 - 106.55 2% pyrite>>  
 <<Min: 106.55 - 106.8 0.2% tetrahedrite>>  
 <<Min: 106.55 - 106.8 6% pyrite>>  
 <<Min: 106.55 - 106.8 0.2% arsenopyrite>>  
 <<Min: 106.8 - 113.3 0.2% pyrite>>  
 <<Alt: 100.03 - 113.3 moderate White mica (Serците)>>  
 <<Alt: 100.03 - 113.3 moderate Serците>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
75.90	77.40	1.50	31219	1.73				
77.40	78.90	1.50	31221	0.76				
78.90	79.65	0.75	31222	1.03				
79.65	80.00	0.35	31223	0.11				
80.00	81.50	1.50	31224	1.64				
81.50	83.00	1.50	31225	1.85				
83.00	84.50	1.50	31226	0.015				
84.50	85.55	1.05	31227	0.015				
85.55	87.00	1.45	31228	0.015				
87.00	88.65	1.65	31229	0.015				
88.65	90.35	1.70	31231	0.015				
90.35	91.85	1.50	31232	0.015				
91.85	93.40	1.55	31233	0.015				
93.40	94.30	0.90	31234	0.19				
94.30	95.30	1.00	31235	0.015				
95.30	95.90	0.60	31236	0.015				
95.90	97.40	1.50	31237	0.015				
97.40	98.20	0.80	31238	0.015				
98.20	99.15	0.95	31239	0.015				
99.15	100.40	1.25	31241	0.015				
100.40	101.90	1.50	31242	0.63				
101.90	103.40	1.50	31243	1				
103.40	104.90	1.50	31244	3.634				
104.90	106.40	1.50	31245	1.13				
106.40	107.40	1.00	31246	144.99 4				
107.40	108.90	1.50	31247	0.17				
108.90	110.40	1.50	31248	0.09				
110.40	111.55	1.15	31249	0.93				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m) To (m) Rocktype & Description

<<Alt: 100.03 - 113.3 weak Ankerite>>  
 <<Vein: 104.03 - 104.1 Quartz>>  
 <<Vein: 106.62 - 106.625 Quartz 0 deg. >>  
 <<Vein: 107.7 - 107.73 Quartz-Fuchsite/Mariposite 35 deg. >>  
 <<Struc: 100.75 - 102 moderate Fractured>>

**113.30 117.64 T1 Basalt**

<<Alt: 113.3 - 117.64 weak Fe-Carbonate>>

**117.64 137.83 T2 Basalt - Altered**

<<Min: 117.64 - 137.83 0.1% pyrite>>  
 <<Alt: 117.64 - 137.83 moderate Ankerite>>  
 <<Vein: 136.95 - 137.1 Quartz 55 deg. >>  
 <<Struc: 117.64 - 137.83 weak Fractured>>

**137.83 150.32 T1 Basalt**

<<Alt: 137.83 - 147.4 weak Fe-Carbonate>> Pervasive and in hairline veinlets

**150.32 152.20 FLT Fault, Fault Zone**

150.32 - 152.2: Banded/laminated sediments

<<Alt: 150.32 - 152.2 strong Clay>>  
 <<Alt: 150.32 - 152.2 moderate Chlorite >>  
 <<Alt: 150.32 - 152.2 moderate Fe-Carbonate>>  
 <<Struc: 150.32 - 152.2 strong fault 35 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
111.55	113.00	1.45	31251	0.015				
113.00	114.50	1.50	31252	0.015				

114.50	115.30	0.80	31253	0.17				
115.30	116.70	1.40	31254	0.015				
116.70	117.70	1.00	31255	0.015				
117.70	118.60	0.90	31256	0.09				
118.60	119.35	0.75	31257	1.16				
119.35	121.00	1.65	31258	0.015				
121.00	122.50	1.50	31259	0.015				
122.50	123.15	0.65	31261	0.03				
123.15	124.50	1.35	31262	0.015				
124.50	126.00	1.50	31263	0.015				
126.00	127.50	1.50	31264	0.015				
127.50	129.00	1.50	31265	0.015				
129.00	130.50	1.50	31266	0.015				
130.50	130.85	0.35	31267	0.6				
130.85	131.95	1.10	31268	0.015				
131.95	133.20	1.25	31269	0.19				
133.20	134.35	1.15	31271	0.015				
134.35	135.35	1.00	31272	0.015				
135.35	136.85	1.50	31273	0.015				
136.85	138.35	1.50	31274	0.015				
138.35	139.30	0.95	31275	0.015				
139.30	140.15	0.85	31276	0.015				
140.15	141.65	1.50	31277	0.015				

## Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m)	To (m)	Rocktype & Description
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152.20	154.53	T1 Basalt
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<<Alt: 152.2 - 154.53 moderate Fe-Carbonate>>

<<Struc: 152.2 - 154.53 weak Fractured 48 deg. >>

**End of Hole @ 154.53**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
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# Drill Log

**Project:** Cassiar **Hole Number:** T93-13

Prospect:	Taurus	Hole Type:	DD	Survey Type:		Logged By:	Ryan Congdon
Grid:		Hole Diameter:		Survey By:		Date Started:	12/06/2012
UTM Easting		Core Size:		Azimuth:		Date Completed:	12/06/2012
UTM Northing:		Casing Pulled?:	<input type="checkbox"/>	Dip:		Drill Company:	
UTM Elev. (m):		Casing Depth (m):		Length (m):	49.07	Drill Rig:	
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title		Drill Started:	
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	
Local Elev. (m):							
Comments:	2012 Re-Log of 1993 historic diamond drill hole from Taurus Core Land (South).						

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>4.27</b>	<b>OVB Overburden</b>									
<b>4.27</b>	<b>5.55</b>	<b>T1 Basalt</b>									
4.27 - 5.55: Trace AK alt forming blebs and coating fractures											
<<Alt: 4.27 - 5.55 weak Ankerite>>											
<b>5.55</b>	<b>7.20</b>	<b>T2 Basalt - Altered</b>									
<<Min: 5.55 - 7.2 0.1% pyrite>>											
<<Alt: 5.55 - 6 moderate Ankerite>>											
<<Alt: 6 - 6.2 weak Ankerite>>											
<<Alt: 6.2 - 7.2 moderate Ankerite>>											
<<Vein: 6.4 - 6.44 Quartz 42 deg. >>											
<<Vein: 7.1 - 7.12 Quartz-Ankerite 50 deg. >>											
<b>7.20</b>	<b>8.95</b>	<b>T1 Basalt</b>									
7.2 - 8.95: Trace AK blebs											
<<Alt: 7.2 - 8.95 weak Ankerite>>											
<<Vein: 7.6 - 7.6 Quartz 45 deg. >>											
<b>8.95</b>	<b>10.60</b>	<b>T2 Basalt - Altered</b>									
<<Min: 8.95 - 10.6 0.1% pyrite>>											

# Drill Log

Project:

Cassiar

Hole Number:

T93-13

From (m) To (m) Rocktype & Description

<<Alt: 8.95 - 10.6 moderate Ankerite>>

**10.60 11.70 NCOR No Core**

10.6 - 11.7: 2009 Re-Sample

**11.70 12.90 T2 Basalt - Altered**

<<Min: 11.7 - 12.9 3% pyrite>>

<<Alt: 11.7 - 12.9 moderate Ankerite>>

**12.90 13.60 T5 Quartz Vein**

**13.60 18.20 T2 Basalt - Altered**

<<Min: 13.6 - 15.9 2% pyrite>>

<<Min: 15.9 - 18.2 0.1% pyrite>>

<<Alt: 13.6 - 15.9 moderate Ankerite>>

<<Alt: 15.9 - 18.2 weak Ankerite>>

**18.20 21.20 T1 Basalt**

**21.20 21.90 T2 Basalt - Altered**

<<Alt: 21.2 - 21.9 moderate Ankerite>>

<<Vein: 21.3 - 21.31 Quartz 35 deg. >>

**21.90 24.65 T1 Basalt**

**24.65 32.30 T2 Basalt - Altered**

<<Min: 26.3 - 32.3 5% pyrite>>

<<Min: 30.2 - 30.5 1% arsenopyrite>>

<<Alt: 24.65 - 26.3 weak Ankerite>>

<<Alt: 26.3 - 32.3 strong Ankerite>>

<<Vein: 27.1 - 27.11 Quartz 45 deg. >>

<<Struc: 24.68 - 24.7 moderate Brecciated 40 deg. >>

**32.30 33.90 T2 Basalt - Altered**

**33.90 36.60 T2 Basalt - Altered**

<<Min: 33.9 - 36.6 3% pyrite>>

<<Alt: 33.9 - 36.6 strong Ankerite>>

<<Vein: 36.1 - 36.11 Quartz 55 deg. >>

<<Vein: 36.5 - 36.52 Quartz 55 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
10.93	11.23	0.30	G240063	0.24	268	56	69	2
11.23	11.70	0.47	G240064	0.07	847	50	43	3
11.70	11.89	0.19	73036	1.95				
11.89	13.11	1.22	73037	0.72				
13.11	13.72	0.61	73038	5.45				
13.72	14.02	0.30	73039	1.89				
26.37	28.29	1.92	73040	2.13				
28.29	30.18	1.89	73041	1.68				
30.18	31.09	0.91	73042	4.63				
31.85	32.31	0.46	73043	3.39				
32.31	33.89	1.58	73044	1.13				
33.89	34.29	0.40	73045	2.23				
35.05	36.42	1.37	73046	2.5				
36.42	36.88	0.46	73047	1.1				



# Drill Log

Project:

Cassiar

Hole Number:

T93-13

From (m) To (m) Rocktype & Description

**36.60 39.44 FLT Fault, Fault Zone**

36.6 - 39.44: Sub-angular T2 and Minor T1 clasts in a Ca Carbonate Matrix

<<Min: 36.6 - 39.44 0.5% pyrite>>

<<Alt: 36.6 - 39.44 moderate Ankerite>>

<<Struc: 38.7 - 38.74 moderate Brecciated 25 deg. / Veining - fracture fill>> Carbonate matrix infill of brecciated T2

**39.44 39.70 T2 Basalt - Altered**

<<Min: 39.44 - 39.7 1% pyrite>>

<<Alt: 39.44 - 39.7 moderate Ankerite>>

**39.70 40.50 T5 Quartz Vein**

<<Min: 40.05 - 43 1% pyrite>>

**40.50 49.07 T2 Basalt - Altered**

<<Min: 43 - 44.9 0.5% pyrite>>

<<Min: 44.9 - 47.1 3% pyrite>>

<<Min: 47.1 - 49.07 0.5% pyrite>>

<<Alt: 40.5 - 49.07 moderate Ankerite>>

**End of Hole @ 49.07**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
36.88	38.71	1.83	73048	1.51				
38.71	39.44	0.73	G240065	0.26	161	65	82	6
39.44	40.84	1.40	73049	1.82				
40.84	43.10	2.26	G240066	0.6	492	44	104	2
45.11	45.72	0.61	73050	12.45				
45.72	46.33	0.61	73051	7.89				
46.33	46.94	0.61	73052	3.81				

# Drill Log

**Project:** Cassiar **Hole Number:** T93-14

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By: Ron Voordouw
Grid:	Hole Diameter:	Survey By:	Date Started: 11/06/2012
UTM Easting:	Core Size:	Azimuth:	Date Completed: 12/06/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 80.16	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title:	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>3.66</b>	<b>OVB Overburden</b>									
<b>3.66</b>	<b>4.41</b>	<b>T1 Basalt</b>									
<b>4.41</b>	<b>6.20</b>	<b>T2 Basalt - Altered</b>	4.41	6.32	1.91	G240087	0.36	173	64	83	3
<<Alt: 4.41 - 6.2 strong Ankerite>>											
<<Vein: 5.68 - 5.681 Quartz-Ankerite 40 deg. >>											
<b>6.20</b>	<b>14.95</b>	<b>T1 Basalt</b>									
<b>14.95</b>	<b>17.45</b>	<b>T2 Basalt - Altered</b>	16.26	17.07	0.81	G240088	1.92	907	54	56	4
<<Min: 16 - 17.45 4% pyrite>>											
<<Alt: 14.95 - 16 weak Ankerite>>											
<<Alt: 16 - 17.45 moderate Ankerite>>											
<<Vein: 16.4 - 16.45 Quartz 70 deg. >>											
<b>17.45</b>	<b>17.95</b>	<b>T5 Quartz Vein</b>	17.07	18.11	1.04	71214	1.95				
<<Min: 17.45 - 17.95 0.1% tetrahedrite>>											
<<Min: 17.45 - 17.95 0.1% pyrite>>											
<b>17.95</b>	<b>20.58</b>	<b>T2 Basalt - Altered</b>	18.11	20.12	2.01	G240089	1.42	759	43	55	1
<<Min: 17.95 - 20.58 2% pyrite>>											
<<Alt: 17.95 - 20.58 moderate Ankerite>>											
<b>20.58</b>	<b>21.34</b>	<b>T5 Quartz Vein</b>	20.12	21.34	1.22	71215	0.55				

# Drill Log

Project:

Cassiar

Hole Number:

T93-14

From (m) To (m) Rocktype & Description

**21.34 24.37 T2 Basalt - Altered**

<<Min: 21.34 - 22.25 4% pyrite>>

<<Alt: 21.34 - 24.37 moderate Ankerite>>

**24.37 35.40 T1 Basalt**

**35.40 44.70 T2 Basalt - Altered**

<<Min: 39.2 - 44.7 3% pyrite>>

<<Alt: 35.4 - 44.7 moderate Ankerite>>

**44.70 45.00 T5 Quartz Vein**

**45.00 46.23 T2 Basalt - Altered**

<<Min: 45 - 47.25 5% pyrite>>

<<Alt: 45 - 46.23 moderate Ankerite>>

**46.23 46.53 T5 Quartz Vein**

**46.53 47.25 T2 Basalt - Altered**

<<Alt: 46.53 - 47.25 moderate Ankerite>>

**47.25 47.70 T5 Quartz Vein**

<<Min: 47.25 - 47.7 0.1% sphalerite>>

<<Min: 47.25 - 47.7 0.1% pyrite>>

**47.70 49.40 T2 Basalt - Altered**

<<Min: 47.7 - 49.4 5% pyrite>>

<<Alt: 47.7 - 49.4 moderate Ankerite>>

**49.40 49.90 T5 Quartz Vein**

<<Min: 49.4 - 49.9 0.1% tetrahedrite>>

<<Min: 49.4 - 49.9 1% pyrite>>

**49.90 71.05 T2 Basalt - Altered**

<<Min: 49.9 - 50.4 5% pyrite>>

<<Min: 66.45 - 71.05 3% pyrite>>

<<Min: 70.45 - 71.05 1% arsenopyrite>>

<<Alt: 49.9 - 61.35 moderate Ankerite>>

<<Alt: 61.35 - 66.45 strong Ankerite>>

<<Alt: 66.45 - 71.05 moderate Ankerite>>

<<Vein: 50.4 - 50.41 Quartz 15 deg. >>

<<Vein: 67.36 - 67.38 Quartz>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
21.34	22.10	0.76	71216	2.4				

39.47	41.00	1.53	71217	3.46				
41.00	42.48	1.48	G240090	1.59	558	50	71	1
43.13	44.50	1.37	71208	1.71				
44.50	45.72	1.22	71209	4.15				

45.72	46.94	1.22	71210	4.25				
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46.94	48.86	1.92	71211	3.43				
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48.86	49.99	1.13	71212	5.04				
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49.99	51.30	1.31	71213	3.6				
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66.60	67.06	0.46	71207	3.57				
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67.45	68.28	0.83	71201	1.61				
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68.28	69.49	1.21	71202	2.78				
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69.49	71.08	1.59	71203	1.95				
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## Drill Log

Project:

Cassiar

Hole Number:

T93-14

From (m) To (m) Rocktype & Description

<<Vein: 68.16 - 68.17 Quartz-Ankerite 10 deg. >>

<<Vein: 69.85 - 69.87 Quartz>>

**71.05 71.70 T5 Quartz Vein**

**71.70 80.16 T2 Basalt - Altered**

<<Min: 71.7 - 73.5 1% arsenopyrite>>

<<Min: 71.7 - 73.5 4% pyrite>>

<<Alt: 71.7 - 80.16 moderate Ankerite>>

<<Vein: 72.4 - 72.42 Quartz>>

<<Vein: 76.05 - 76.07 Quartz 25 deg. >>

**End of Hole @ 80.16**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
71.08	72.69	1.61	71204	2.09				
72.69	73.46	0.77	71205	2.3				
74.77	75.90	1.13	G240091	0.14	101	53	121	1
75.90	76.20	0.30	71206	0.03				
78.31	78.59	0.28	G240092	9.29	674	55	94	3

# Drill Log

**Project:** Cassiar **Hole Number:** T93-17

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By: Jim Lehtinen
Grid:	Hole Diameter:	Survey By:	Date Started: 19/07/2012
UTM Easting	Core Size: NQ	Azimuth:	Date Completed: 19/07/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 78	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			
Re-log of old hole same number			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>3.05</b>	<b>OVB Overburden</b>									
<b>3.05</b>	<b>7.00</b>	<b>T2 Basalt - Altered</b>	4.88	6.49	1.61	71429	2.95				
3.05 - 7: strong AK alt'n weak QZ vein frags to 3cm, some euhedral crs PY											
<b>7.00</b>	<b>11.80</b>	<b>T2 Basalt - Altered</b>									
7 - 11.8: mod AK wk PY											
<b>11.80</b>	<b>17.67</b>	<b>T2 Basalt - Altered</b>	11.83	13.56	1.73	71430	1.92				
11.8 - 17.67: Strong AK wi PY crse, 5% pyritohedrons											
			14.02	16.15	2.13	71431	4.87				
			16.67	17.68	1.01	71432	3.74				
<b>17.67</b>	<b>18.14</b>	<b>T5 Quartz Vein</b>	17.68	18.14	0.46	71433	0.34				
17.67 - 18.14: 17 TCA, tr PY wk styloliyic											
<b>18.14</b>	<b>20.10</b>	<b>T2 Basalt - Altered</b>	18.14	20.12	1.98	71434	5.52				
18.14 - 20.1: Strong AK, PY crse euhedral 7%											
<b>20.10</b>	<b>23.20</b>	<b>T2 Basalt - Altered</b>									
20.1 - 23.2: Strong AK no SX											

# Drill Log

Project:

Cassiar

Hole Number:

T93-17

From (m) To (m) Rocktype & Description

**23.20 24.84 T2 Basalt - Altered**

23.2 - 24.84: Strong AK wi 7% PY, minor stringer qz to 1 cm

**24.84 25.50 T5 Quartz Vein**

24.84 - 25.5: Strong coarse Py in Vein at 10TCA Banding of PY = Shear? TT with PY

**25.50 28.00 T2 Basalt - Altered**

25.5 - 28: Strong AK. PY to 7%

**28.00 32.00 T2 Basalt - Altered**

28 - 32: Wk AK

**32.00 32.90 T2 Basalt - Altered**

32 - 32.9: Strongly broken, minor chert, strong AK

**32.90 33.90 T5 Quartz Vein**

32.9 - 33.9: 20 TCA, strongly broken, weak bands and stylolites -shear vein

**33.90 41.00 T2 Basalt - Altered**

33.9 - 41: wk AK

**41.00 45.90 T2 Basalt - Altered**

41 - 45.9: V weak AK very sharp alteration boundary

**45.90 49.50 T2 Basalt - Altered**

45.9 - 49.5: Very strong AK with Py near base of interval

**49.50 50.10 T5 Quartz Vein**

49.5 - 50.1: Shallow TCA, coarse PY, Narrow Shear vein

**50.10 52.70 T2 Basalt - Altered**

50.1 - 52.7: Strong AK with minor Ext QV's at 25TCA, < 2cm

**52.70 64.90 T1 Basalt**

52.7 - 64.9: Minor CY alt at 60.5 -60.7m

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
23.47	25.15	1.68	71426	1.92				
25.15	25.66	0.51	71427	65.66				
25.66	27.19	1.53	71428	3.53				
32.00	32.92	0.92	71420	5.49				
32.92	33.92	1.00	71421	3.84				
33.92	34.90	0.98	71422	9.19				
48.83	49.53	0.70	71423	2.19				
49.53	50.14	0.61	71424	6.62				
50.14	51.36	1.22	71425	1.44				

# Drill Log

Project:

Cassiar

Hole Number:

T93-17

From (m) To (m) Rocktype & Description

**64.90 68.30 T2 Basalt - Altered**

64.9 - 68.3: Strong AK in pillowed volc no sx

**68.30 69.20 T2 Basalt - Altered**

68.3 - 69.2: V strong AK with 10% coarse PY as pyritohedrons

**69.20 70.20 T5 Quartz Vein**

69.2 - 70.2: PY 10% in Shear vein, strongly broken and faulted

**70.20 74.10 T2 Basalt - Altered**

70.2 - 74.1: very strong AK with crse PY. Minor ext QV's < 1cm.

**74.10 74.90 T5 Quartz Vein**

74.1 - 74.9: QV 10 TCA strong clotty PY sheared at base. Shear vein?

**74.90 78.00 T2 Basalt - Altered**

74.9 - 78: Extremely broken with strong late calcite veining. Strong AK alt.

**End of Hole @ 78**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
68.28	69.19	0.91	71415	6.58				
69.19	70.32	1.13	71416	1.75				
70.32	71.78	1.46	71417	2.98				
73.09	74.07	0.98	71418	1.92				
74.07	74.89	0.82	71419	1.61				

# Drill Log

**Project:** Cassiar **Hole Number:** T93-19

Prospect:	Taurus	Hole Type:		Survey Type:	GPS	Logged By:	Ron Voordouw
Grid:		Hole Diameter:		Survey By:		Date Started:	12/06/2012
UTM Easting:		Core Size:		Azimuth:		Date Completed:	13/06/2012
UTM Northing:		Casing Pulled?:	<input type="checkbox"/>	Dip:		Drill Company:	
UTM Elev. (m):		Casing Depth (m):		Length (m):	95.4	Drill Rig:	
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title:		Drill Started:	
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	
Local Elev. (m):							
Comments:							

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>4.27</b>	<b>OVB Overburden</b>									
<b>4.27</b>	<b>4.88</b>	<b>T2 Basalt - Altered</b>									
<<Alt: 4.27 - 13.94 moderate Ankerite>>											
<b>4.88</b>	<b>5.30</b>	<b>FLT Fault, Fault Zone</b>									
4.88 - 5.3: Fault Gouge											
<b>5.30</b>	<b>13.94</b>	<b>T2 Basalt - Altered</b>									
<<Min: 10.03 - 11.92 3% pyrite>>											
<<Min: 12.82 - 13.94 5% pyrite>>											
<<Vein: 7.35 - 7.45 Quartz 25 deg. >>											
<<Vein: 8.45 - 8.47 Quartz 40 deg. >>											
<<Vein: 9.12 - 9.121 Quartz 15 deg. >>											
<<Vein: 9.47 - 9.471 Quartz 30 deg. >>											
<<Vein: 13.8 - 13.805 Quartz 15 deg. >>											
<b>13.94</b>	<b>14.93</b>	<b>T5 Quartz Vein</b>									
<<Min: 13.94 - 14.93 0.1% sphalerite>>											
<<Min: 13.94 - 14.93 0.1% pyrite>>											
<<Min: 13.94 - 14.93 0.1% arsenopyrite>>											

10.06	11.89	1.83	71260	8.71
12.56	13.72	1.16	71261	1.95
13.72	15.54	1.82	71262	3.36



# Drill Log

Project:

Cassiar

Hole Number:

T93-19

From (m) To (m) Rocktype & Description

**14.93 18.45 T2 Basalt - Altered**

<<Min: 14.93 - 15.54 5% pyrite>>  
 <<Min: 17.16 - 17.88 0.5% pyrite>>  
 <<Min: 17.88 - 18.45 4% pyrite>>  
 <<Min: 17.88 - 18.45 1% arsenopyrite>>  
 <<Alt: 14.93 - 18.45 moderate Ankerite>>  
 <<Vein: 17.12 - 17.122 Quartz 25 deg. >>

**18.45 19.25 T5 Quartz Vein**

<<Min: 18.45 - 19.25 2% tetrahedrite>>  
 <<Min: 18.45 - 19.25 2% pyrite>>

**19.25 24.38 T2 Basalt - Altered**

<<Min: 19.25 - 20 3% pyrite>>  
 <<Min: 24 - 24.38 5% pyrite>>  
 <<Alt: 19.25 - 24.38 moderate Ankerite>>

**24.38 24.75 T5 Quartz Vein**

<<Min: 24.38 - 24.75 0.5% arsenopyrite>>  
 <<Min: 24.38 - 24.75 3% pyrite>>

**24.75 57.55 T2 Basalt - Altered**

<<Min: 24.75 - 26.95 3% pyrite>>  
 <<Min: 35.1 - 35.45 0.5% pyrite>>  
 <<Min: 39.4 - 42.06 3% pyrite>>  
 <<Min: 40.65 - 40.95 1% arsenopyrite>>  
 <<Min: 46.86 - 48.19 2% pyrite>>  
 <<Min: 50 - 51.95 3% pyrite>>  
 <<Min: 56.08 - 56.83 1% pyrite>>  
 <<Min: 56.83 - 57.55 3% pyrite>>  
 <<Alt: 24.75 - 26.57 moderate Ankerite>>  
 <<Alt: 26.57 - 32 strong Ankerite>>  
 <<Alt: 32 - 34.4 moderate Ankerite>>  
 <<Alt: 34.4 - 36.4 weak Ankerite>>  
 <<Alt: 36.4 - 57.55 moderate Ankerite>>  
 <<Vein: 27.75 - 27.752 Quartz 35 deg. >>  
 <<Vein: 27.9 - 27.902 Quartz-Ankerite 35 deg. >>  
 <<Vein: 28.05 - 28.052 Quartz 35 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
17.16	17.68	0.52	71263	2.3				
17.68	18.38	0.70	71264	2.09				
18.38	19.39	1.01	71265	3.36				

19.39	20.12	0.73	71266	3.6				
20.12	21.18	1.06	G240093	0.83	168	57	111	3
21.18	21.34	0.16	71267	2.74				
24.08	25.30	1.22	71268	3.53				

25.30	27.04	1.74	71269	3.09				
39.62	40.39	0.77	71270	0.99				
40.39	41.15	0.76	71271	5.25				
41.15	41.91	0.76	71272	3.87				
46.63	48.16	1.53	71273	2.81				
49.99	50.90	0.91	71274	5.73				
50.90	52.12	1.22	71275	2.95				
56.08	57.30	1.22	71276	3.05				
57.30	58.13	0.83	71277	7.58				

# Drill Log

Project:

Cassiar

Hole Number:

T93-19

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
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<<Vein: 29.3 - 29.302 Quartz 25 deg. >>

<<Vein: 29.76 - 29.762 Quartz-Ankerite 20 deg. >>

<<Vein: 31.65 - 31.652 Quartz-Ankerite 30 deg. >>

<<Vein: 33.06 - 33.063 Quartz 40 deg. >>

<<Vein: 40.1 - 40.3 Quartz 25 deg. >>

<<Vein: 40.8 - 41 Quartz 30 deg. >>

<<Vein: 47 - 47.05 Quartz>>

<<Vein: 47.75 - 47.9 Quartz>>

<<Vein: 50.52 - 50.54 Quartz>>

**57.55 58.02 T5 Quartz Vein**

<<Min: 57.55 - 58.02 5% pyrite>>

<<Min: 57.55 - 60.35 0.1% arsenopyrite>>

**58.02 62.95 T2 Basalt - Altered**

<<Min: 58.02 - 60.35 3% pyrite>>

<<Min: 61.87 - 62.95 2% pyrite>>

<<Min: 61.87 - 62.95 1% arsenopyrite>>

<<Alt: 58.02 - 62.95 moderate Ankerite>>

<<Vein: 62.5 - 62.55 Quartz 30 deg. >>

**62.95 63.30 T5 Quartz Vein**

**63.30 64.75 T2 Basalt - Altered**

<<Min: 63.3 - 64.75 1% pyrite>>

<<Alt: 63.3 - 64.75 moderate Ankerite>>

<<Vein: 63.58 - 63.582 Quartz 25 deg. >>

**64.75 65.38 T5 Quartz Vein**

**65.38 66.85 T2 Basalt - Altered**

<<Min: 65.38 - 66.85 2% pyrite>>

<<Min: 66.45 - 66.85 0.5% arsenopyrite>>

<<Alt: 65.38 - 66.85 moderate Ankerite>>

**66.85 67.87 T5 Quartz Vein**

<<Min: 66.85 - 67.87 0.1% sphalerite>>

<<Min: 66.85 - 67.87 1% pyrite>>

**67.87 73.22 T2 Basalt - Altered**

<<Min: 67.87 - 68.58 3% pyrite>>

58.13	58.83	0.70	71278	3.26
58.83	59.80	0.97	71279	2.02
59.80	60.59	0.79	71280	2.54
61.57	62.48	0.91	71281	1.68
62.48	63.09	0.61	71282	0.55

63.09	64.01	0.92	71283	0.58
64.01	65.07	1.06	71284	0.65

65.07	65.53	0.46	71285	0.69
65.53	66.14	0.61	71286	1.34
66.14	67.21	1.07	71287	1.27

67.21	67.97	0.76	71288	0.69
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67.97	68.43	0.46	71289	3.22
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# Drill Log

Project:

Cassiar

Hole Number:

T93-19

From (m) To (m) Rocktype & Description

<<Alt: 67.87 - 69.75 strong Ankerite>>

<<Alt: 69.75 - 80.97 moderate Ankerite>>

<<Vein: 69.72 - 69.8 Quartz 50 deg. >>

**73.22 73.76 FLT Fault, Fault Zone**

73.22 - 73.76: Breccia of T2

**73.76 76.25 T2 Basalt - Altered**

<<Min: 74.98 - 78.62 0.5% pyrite>>

**76.25 78.62 FLT Fault, Fault Zone**

76.25 - 78.62: Breccia of T2

**78.62 80.97 T2 Basalt - Altered**

**80.97 88.81 T1 Basalt**

**88.81 90.27 FLT Fault, Fault Zone**

88.81 - 90.27: Breccia of T2

<<Alt: 88.81 - 90.27 strong Ankerite>>

**90.27 92.35 T5 Quartz Vein**

<<Min: 91.2 - 93.8 0.5% pyrite>>

**92.35 95.40 FLT Fault, Fault Zone**

92.35 - 95.4: Breccia of T2

<<Alt: 92.35 - 95.4 moderate Ankerite>>

**End of Hole @ 95.4**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
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88.70	90.22	1.52	71290	0.07				
90.22	91.17	0.95	71291	0.03				

91.17	92.26	1.09	71292	0.27				
92.26	92.93	0.67	71293	3.05				
92.93	93.88	0.95	71294	0.27				

93.88	95.40	1.52	71295	0.99				
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# Drill Log

**Project:** Cassiar **Hole Number:** T93-20

Prospect:	Taurus	Hole Type:	Survey Type:	Logged By:	Ryan Congdon
Grid:		Hole Diameter:	Survey By:	Date Started:	12/06/2012
UTM Easting		Core Size:	Azimuth:	Date Completed:	13/06/2012
UTM Northing:		Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:	
UTM Elev. (m):		Casing Depth (m):	Length (m):	Drill Rig:	99.66
Local Easting:		Stored?: <input type="checkbox"/>	Claims Title	Drill Started:	
Local Northing:		Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:	
Local Elev. (m):					
Comments:	2012 Re-Log of 1993 Historic diamond hole from Taurus Core land (South Side).				

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>3.05</b>	<b>OVB Overburden</b>									
0 - 3.05: Rubble and spun core containing both T1 and T2 units.											
<b>3.05</b>	<b>8.10</b>	<b>T1 Basalt</b>									
<b>8.10</b>	<b>14.80</b>	<b>T2 Basalt - Altered</b>									
<<Min: 9.4 - 14.8 1% pyrite>>											
<<Alt: 8.1 - 9.4 weak Ankerite>>											
<<Alt: 9.4 - 14.8 moderate Ankerite>>											
<<Struc: 14.55 - 14.6 contact 50 deg. >> chert											
<b>14.80</b>	<b>18.80</b>	<b>NCOR No Core</b>									
<b>18.80</b>	<b>21.40</b>	<b>T2 Basalt - Altered</b>									
<<Alt: 18.8 - 21.4 weak Ankerite>>											
<<Vein: 19.9 - 19.9 Quartz 42 deg. >>											
<<Vein: 21 - 21.01 Quartz-Ankerite 5 deg. >>											
<<Struc: 19 - 19.02 contact 48 deg. >> chert											
<b>21.40</b>	<b>24.35</b>	<b>T1 Basalt</b>									
21.4 - 24.35: Trace Ak forming thin (1-10mm) alt envelopes around low angle TCA thin veins (5mm)											
<b>24.35</b>	<b>29.65</b>	<b>NCOR No Core</b>									
			27.43	27.94	0.51	G240080	0.07	150	70	88	1

# Drill Log

Project:

Cassiar

Hole Number:

T93-20

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>29.65</b>	<b>33.60</b>	<b>T2 Basalt - Altered</b> <<Alt: 29.65 - 33.6 weak Fe-Carbonate>> <<Alt: 29.65 - 33.6 weak Ankerite>>									
<b>33.60</b>	<b>45.30</b>	<b>T1 Basalt</b> 33.6 - 45.3: trace AK alt. Pillow text evident. Multiple 5-10cm chert bands on this unit. <<Struc: 37.4 - 37.5 contact 50 deg. >> chert <<Struc: 42.9 - 42.95 contact 62 deg. >> chert									
<b>45.30</b>	<b>60.20</b>	<b>T2 Basalt - Altered</b> <<Min: 45.3 - 47.5 4% pyrite>> <<Min: 47.5 - 55.6 0.5% pyrite>> <<Min: 55.6 - 58.75 0.1% sphalerite>> <<Min: 55.6 - 58.75 7% pyrite>> <<Min: 55.6 - 58.75 0.5% arsenopyrite>> fine grained coating fractures, and disseminated coarse euhedral crystals and bladed/prismatic. This intervals is frctured and clay altered in parts <<Min: 58.75 - 60.2 0.5% pyrite>> <<Alt: 45.3 - 48.3 moderate Ankerite>> <<Alt: 48.3 - 55.6 weak Ankerite>> <<Alt: 48.3 - 55.6 weak Fe-Carbonate>> <<Alt: 55.6 - 60.2 moderate Ankerite>> <<Vein: 48.75 - 48.76 Quartz 40 deg. >> <<Vein: 49.3 - 49.31 Quartz 14 deg. >> <<Vein: 51.55 - 51.56 Quartz 20 deg. >> <<Vein: 54.6 - 54.65 Quartz 5 deg. >> <<Vein: 57.9 - 58.15 Quartz>> <<Vein: 58.25 - 58.5 Quartz>>	45.72	47.55	1.83	73482	3.81				
			53.74	55.63	1.89	73483	1.27				
			55.63	56.54	0.91	73484	9.77				
			56.54	57.61	1.07	73485	7.03				
			57.61	58.83	1.22	73486	2.95				
<b>60.20</b>	<b>66.70</b>	<b>NCOR No Core</b>	62.79	64.01	1.22	G240081	1.39	1395	47	57	1
			64.01	65.53	1.52	73487	0.55				
			65.53	67.36	1.83	73488	0.86				
<b>66.70</b>	<b>67.50</b>	<b>T2 Basalt - Altered</b> <<Alt: 66.7 - 67.5 moderate Ankerite>>									
<b>67.50</b>	<b>70.65</b>	<b>FLT Fault, Fault Zone</b> 67.5 - 70.65: Top section of unit is brecciated leading to moderate to strong sheared fabric to the lower sharp contact with the sediments. Unit consists of T2 except 69.0 to 69.6m which is T1.									

# Drill Log

Project:

Cassiar

Hole Number:

T93-20

From (m)    To (m)                      Rocktype & Description

<<Alt: 67.5 - 70.65 moderate Ankerite>>

<<Struc: 67.5 - 67.5 fault 65 deg. >>

<<Struc: 69.4 - 69.4 Sheared 60 deg. >>

<<Struc: 69.9 - 69.9 Sheared 60 deg. >>

**70.65    74.05 5B                      Chert**

70.65 - 74.05: "dirty chert" minor zones material approaching argillite

**74.05    99.66 5B                      Chert**

<<Struc: 78.4 - 78.4 Bedded 55 deg. >>

**End of Hole @ 99.66**

**dark grey**

**light grey**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
71.93	72.54	0.61	73489	0.03				
76.20	81.69	5.49	73490	0.03				
81.69	90.22	8.53	73491	0.03				
90.22	93.57	3.35	73492	0.03				
93.57	96.32	2.75	73493	0.03				

# Drill Log

**Project:** Cassiar **Hole Number:** T93-23

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By: Jim Lehtinen
Grid:	Hole Diameter:	Survey By:	Date Started: 03/07/2012
UTM Easting	Core Size:	Azimuth:	Date Completed: 03/07/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 75	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

Relog of old hole, same label. Unknown casing depth, blocks in 1st box unreadable. Poor historic sampling. Numerous hanging samples and unsampled pyritic alteration zones.

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>4.00</b>	<b>7.50</b>	<b>T2 Basalt - Altered</b> 4 - 7.5: strong AK									
<b>7.50</b>	<b>8.50</b>	<b>FLT Fault, Fault Zone</b> 7.5 - 8.5: estimated depth, healed rounded fragments in BX. Strongly broken, stringered with PY	8.23	9.14	0.91	73026	6.27				
<b>8.50</b>	<b>12.80</b>	<b>T2 Basalt - Altered</b> 8.5 - 12.8: strong Ak alt'n coarse PY in alt'n									
<b>12.80</b>	<b>18.30</b>	<b>T1 Basalt</b>									
<b>18.30</b>	<b>24.20</b>	<b>T2 Basalt - Altered</b> 18.3 - 24.2: Strong AK alt'n with quartz strgrs to15cm, strong PY to15% in alt.	20.88	21.18	0.30	73027	4.66				
			21.18	21.95	0.77	73028	3.87				
			23.16	24.08	0.92	73029	1.34				
<b>24.20</b>	<b>25.60</b>	<b>T2 Basalt - Altered</b> 24.2 - 25.6: Clay alt'n zone									
<b>25.60</b>	<b>36.90</b>	<b>T2 Basalt - Altered</b> 25.6 - 36.9: Strong alteration in zone of weak quartz stringers up to 7cm									

# Drill Log

Project:

Cassiar

Hole Number:

T93-23

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
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**36.90 43.60 T2 Basalt - Altered**

36.9 - 43.6: Weaker AK alteration, grading into green CA alt'n

**43.60 47.40 T2 Basalt - Altered**

43.6 - 47.4: Weak light green weak CA alt.

**47.40 50.60 T1 Basalt**

47.4 - 50.6: Darker green chloritic, CA alt.

**50.60 59.90 T1 Basalt**

50.6 - 59.9: pale gn, CA altered.

**59.90 67.67 T2 Basalt - Altered**

59.9 - 67.67: mod. Strong AK alt'n. PY near veining. Minor stringers, no sx.

67.21	67.67	0.46	73030	2.67
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**67.67 72.24 T2 Basalt - Altered**

67.67 - 72.24: Strong Ak altered with 2 V's comprising 20% of the interval. PY to 10 %, vein with PY, tr TT

**End of Hole @ 75**



# Drill Log

**Project:** Cassiar **Hole Number:** T93-26

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By: Ryan Congdon
Grid:	Hole Diameter:	Survey By:	Date Started:
UTM Easting	Core Size:	Azimuth:	Date Completed:
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 100.89	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>3.05</b>	<b>OVB Overburden</b>									
<b>3.05</b>	<b>11.25</b>	<b>T2 Basalt - Altered</b>									
<<Min: 7.5 - 9.3 2% pyrite>> <<Alt: 3.05 - 11.25 moderate Ankerite>> oxidized <<Vein: 4.1 - 4.14 Quartz 20 deg. >>											
<b>11.25</b>	<b>13.50</b>	<b>T1 Basalt</b>									
<b>13.50</b>	<b>22.25</b>	<b>T2 Basalt - Altered</b>	16.76	17.53	0.77	G240149	0.31	129	63	101	3
<<Min: 15.2 - 17.2 4% pyrite>> <<Alt: 13.5 - 22.25 moderate Ankerite>> <<Vein: 18.3 - 18.32 Quartz-Ankerite 25 deg. >>											
<b>22.25</b>	<b>23.85</b>	<b>T1 Basalt</b>									
<b>23.85</b>	<b>24.08</b>	<b>FLT Fault, Fault Zone</b>									
23.85 - 24.08: Fault Gouge											
<b>24.08</b>	<b>26.21</b>	<b>T1 Basalt</b>									
<b>26.21</b>	<b>28.10</b>	<b>FLT Fault, Fault Zone</b>									
26.21 - 28.1: Fault Gouge											

# Drill Log

Project:

Cassiar

Hole Number:

T93-26

From (m) To (m) Rocktype & Description

**28.10 35.36 T2 Basalt - Altered**

<<Min: 33.15 - 35.36 6% pyrite>>

<<Alt: 28.1 - 33.15 weak Ankerite>>

<<Alt: 33.15 - 35.36 moderate Ankerite>>

**35.36 35.97 T5 Quartz Vein**

**35.97 50.50 T2 Basalt - Altered**

<<Min: 35.97 - 40.1 2% pyrite>>

<<Min: 40.1 - 41.8 3% pyrite>>

<<Min: 40.1 - 41.8 0.5% arsenopyrite>>

<<Min: 46.6 - 49.07 4% pyrite>>

<<Min: 46.6 - 49.07 0.5% arsenopyrite>>

<<Alt: 35.97 - 45.4 strong Ankerite>>

<<Alt: 45.4 - 50.5 moderate Ankerite>>

<<Vein: 46.95 - 47 Quartz-Sulphide 23 deg. >> AS and PY bearing

**50.50 51.60 T1 Basalt**

**51.60 52.12 T2 Basalt - Altered**

**52.12 53.15 FLT Fault, Fault Zone**

52.12 - 53.15: Fault Breccia

**53.15 58.10 T2 Basalt - Altered**

<<Alt: 53.15 - 58.1 weak Ankerite>>

**58.10 59.60 FLT Fault, Fault Zone**

58.1 - 59.6: Fault Gouge

**59.60 63.40 T1 Basalt**

**63.40 64.80 T2 Basalt - Altered**

<<Min: 63.4 - 64.8 2% pyrite>>

<<Alt: 63.4 - 64.8 moderate Ankerite>>

<<Vein: 64.6 - 64.63 Quartz-Carbonate 30 deg. >> Lower contact is brecciated

**64.80 66.40 T5 Quartz Vein**

<<Min: 65.1 - 65.7 5% pyrite>>

<<Min: 65.1 - 65.7 0.5% arsenopyrite>>

**66.40 70.35 T2 Basalt - Altered**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
33.38	35.36	1.98	73104	22.29				

35.36	35.97	0.61	73105	0.38				
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35.97	36.88	0.91	73106	1.78				
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36.88	38.40	1.52	73107	0.62				
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38.40	39.32	0.92	73108	1.58				
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39.32	39.93	0.61	73109	3.12				
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39.93	40.54	0.61	G240152	0.23	860	47	88	3
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40.55	41.67	1.12	G240153	3.17	3220	22	50	2
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47.40	47.85	0.45	73110	1.75				
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47.85	48.77	0.92	73111	84.17				
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48.77	49.07	0.30	73112	1.89				
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63.70	64.43	0.73	73113	0.58				
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64.43	64.80	0.37	73114	1.89				
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64.80	64.92	0.12	73115	0.07				
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64.92	65.23	0.31	73116	0.58				
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65.23	66.45	1.22	73117	78.69				
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66.45	67.06	0.61	73118	1.47				
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# Drill Log

Project:

Cassiar

Hole Number:

T93-26

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
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<<Min: 66.4 - 67.2 3% pyrite>>

<<Alt: 66.4 - 70.35 moderate Ankerite>>

**70.35 71.30 T1 Basalt**

**71.30 72.10 FLT Fault, Fault Zone**

71.3 - 72.1: Fault Gouge

**72.10 74.00 T2 Basalt - Altered**

<<Min: 72.1 - 74 0.5% pyrite>>

<<Alt: 72.1 - 74 weak Ankerite>>

<<Vein: 72.7 - 72.75 Quartz-Carbonate 40 deg. >> Contains partially oxidized pyrite

**74.00 76.30 FLT Fault, Fault Zone**

74 - 76.3: Fault Gouge

**76.30 79.20 T2 Basalt - Altered**

<<Min: 76.3 - 79.2 0.5% pyrite>>

<<Alt: 76.3 - 77.3 weak Ankerite>>

<<Alt: 77.3 - 79.2 moderate Ankerite>>

<<Vein: 77.75 - 77.76 Quartz-Ankerite 35 deg. >>

<<Vein: 78.7 - 78.8 Quartz-Ankerite 40 deg. >> Pyrite at contact

**79.20 80.90 T5 Quartz Vein**

<<Min: 79.2 - 80.9 0.1% pyrite>>

**80.90 84.40 T2 Basalt - Altered**

<<Min: 80.9 - 84.4 2% pyrite>>

<<Alt: 80.9 - 84.4 strong Ankerite>>

**84.40 85.60 T5 Quartz Vein**

**85.60 88.20 T2 Basalt - Altered**

<<Min: 85.6 - 86.56 2% pyrite>>

<<Min: 86.9 - 88.2 2% pyrite>>

<<Alt: 85.6 - 86.56 strong Ankerite>>

<<Alt: 86.9 - 88.2 moderate Ankerite>>

**88.20 88.90 T5 Quartz Vein**

**88.90 93.20 T2 Basalt - Altered**

<<Min: 88.9 - 93.2 0.5% pyrite>>

78.03	78.94	0.91	73119	0.51
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78.94	80.16	1.22	73120	2.09
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80.16	81.08	0.92	73121	0.48
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81.08	82.30	1.22	73122	0.99
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82.30	82.91	0.61	73123	0.82
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82.91	84.12	1.21	73124	0.75
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84.12	84.43	0.31	73125	0.24
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86.56	87.17	0.61	73126	1.54
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87.17	88.24	1.07	73127	1.37
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88.24	89.00	0.76	73128	0.07
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90.83	91.74	0.91	73129	0.03
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91.74	93.27	1.53	73130	1.1
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# Drill Log

Project:

Cassiar

Hole Number:

T93-26

From (m)    To (m)                      Rocktype & Description

<<Alt: 88.9 - 93.2 moderate Ankerite>>

**93.20    93.80    T5                      Quartz Vein**

<<Alt: 93.2 - 94.35 moderate Ankerite>>

**93.80    94.35    FLT                      Fault, Fault Zone**

93.8 - 94.35: Fault Breccia

<<Alt: 93.8 - 94.35 moderate Ankerite>>

<<Struc: 93.8 - 94.35 moderate fault 43 deg. >>

**94.35    95.30    T1                      Basalt**

**95.30    96.20    FLT                      Fault, Fault Zone**

95.3 - 96.2: Fault Gouge

**96.20    100.89    5DD                      Argillite**

96.2 - 100.89: Last box missing, core only goes till 96.3 m

<<Struc: 96.2 - 96.3 strong fault 30 deg. >>

**End of Hole @ 100.89**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
93.27	93.88	0.61	73131	0.07				

# Drill Log

**Project:** Cassiar **Hole Number:** 94-01

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By: Ron Voordouw
Grid:	Hole Diameter:	Survey By:	Date Started: 09/06/2012
UTM Easting	Core Size:	Azimuth:	Date Completed: 09/06/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 72.87	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			
Re-log			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>3.05</b>	<b>OV B Overburden</b>									
<<Alt: 0 - 15.8 strong Ankerite>>											
<b>3.05</b>	<b>15.80</b>	<b>T2 Basalt - Altered</b>	3.96	4.76	0.80	G240144	0.34	630	29	65	3
<<Min: 8.65 - 9.2 4% pyrite>>			5.30	5.64	0.34	G240145	1.08	505	53	61	2
<<Min: 14.1 - 15.8 6% pyrite>>			5.79	6.16	0.37	71455	2.13				
			6.16	6.31	0.15	71456	1.3				
			6.31	6.40	0.09	71457	0.38				
			6.58	7.38	0.79	G240146	0.61	490	58	53	3
			7.38	7.56	0.18	71458	1.1				
			8.66	9.08	0.42	71459	1.17				
			9.08	9.33	0.25	71460	0.38				
			9.33	10.06	0.73	71461	0.21				
			10.28	11.58	1.30	G240147	0.025	184	60	61	1
			13.87	14.63	0.76	71462	1.75				
			14.63	14.94	0.31	71463	3.09				
			14.94	15.79	0.85	71464	1.27				
<b>15.80</b>	<b>20.65</b>	<b>T1 Basalt</b>									
<b>20.65</b>	<b>41.16</b>	<b>T2 Basalt - Altered</b>	24.99	25.91	0.92	71465	0.69				

# Drill Log

Project:

Cassiar

Hole Number:

94-01

From (m) To (m) Rocktype & Description

<<Min: 25.25 - 41.16 3% pyrite>>  
<<Alt: 20.65 - 43.18 strong Ankerite>>

**41.16 43.18 T1 Basalt**  
**43.18 46.45 T2 Basalt - Altered**

<<Min: 43.18 - 46.45 5% pyrite>>  
<<Struc: 46.45 - 49.2 strong fault gouge>>

**46.45 49.20 T1 Basalt**  
**49.20 55.20 T2 Basalt - Altered**

<<Min: 54.87 - 55.2 7% pyrite>>  
<<Alt: 49.2 - 55.2 moderate Ankerite>>

**55.20 55.90 T5 Quartz Vein**

55.2 - 55.9: Bull Quartz

**55.90 70.30 T2 Basalt - Altered**

<<Min: 55.9 - 56.9 8% pyrite>>  
<<Min: 60.65 - 70.3 5% pyrite>>  
<<Vein: 60.6 - 60.65 25% Calcite>>  
<<Vein: 60.6 - 60.65 25% Calcite>>  
<<Vein: 60.8 - 60.85 60% Quartz>>  
<<Struc: 56.9 - 60.65 fault gouge>> Gouge with calcite veins.

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
25.91	26.30	0.39	71466	899.07				
26.30	27.43	1.13	71467	0.48				
27.43	29.26	1.83	71468	0.27				
29.26	30.78	1.52	71469	1.99				
30.78	32.00	1.22	71470	1.68				
32.00	33.53	1.53	71471	1.85				
33.53	35.05	1.52	71472	1.17				
35.05	36.58	1.53	71473	2.81				
36.58	37.80	1.22	71474	0.03				
37.80	39.01	1.21	71475	1.85				
39.01	39.72	0.71	71476	1.65				
43.98	45.42	1.44	71478	1.06				
45.42	46.45	1.03	71479	2.81				
51.21	52.61	1.40	71480	2.09				
52.61	54.77	2.16	71481	0.31				
54.77	55.17	0.40	71482	2.78				
55.17	55.78	0.61	71483	7.34				
55.78	57.00	1.22	71484	19.37				
57.00	60.50	3.50	71485	0.03				
60.50	61.14	0.64	71486	0.58				
61.14	61.87	0.73	71487	70.25				
61.87	62.48	0.61	71488	2.13				
62.48	64.31	1.83	71489	0.17				
64.31	65.23	0.92	71490	8.95				
65.23	65.53	0.30	71491	28.08				
65.53	66.45	0.92	71492	3.87				
66.45	66.75	0.30	71493	0.65				
67.06	68.58	1.52	71494	1.78				
68.58	70.10	1.52	71495	0.75				

# Drill Log

Project:

Cassiar

Hole Number:

94-01

From (m)    To (m)                      Rocktype & Description

**70.30    70.90 T5                      Quartz Vein**  
**70.90    72.87 T2                      Basalt - Altered**

<<Min: 70.9 - 72.87 5% pyrite>>

**End of Hole @ 72.87**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
70.10	70.93	0.83	71496	0.55				
70.93	72.85	1.92	71497	2.3				

# Drill Log

**Project:** Cassiar **Hole Number:** 94-02

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By: Ron Voordouw
Grid:	Hole Diameter:	Survey By:	Date Started: 15/06/2012
UTM Easting:	Core Size:	Azimuth:	Date Completed: 15/06/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 48.77	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title:	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>3.05</b>	<b>OVB</b>									
<b>3.05</b>	<b>3.42</b>	<b>T2</b>									
<<Min: 3.05 - 3.42 0.1% pyrite>>											
<<Alt: 3.05 - 3.42 moderate Ankerite>>											
<b>3.42</b>	<b>4.98</b>	<b>T1</b>									
<b>4.98</b>	<b>6.40</b>	<b>T2</b>									
<<Min: 5.78 - 6.4 3% pyrite>>											
<<Alt: 4.98 - 5.78 weak Ankerite>>											
<<Alt: 5.78 - 6.4 moderate Ankerite>>											
<b>6.40</b>	<b>6.95</b>	<b>T5</b>									
<<Min: 6.4 - 6.95 0.1% tetrahedrite>>											
<b>6.95</b>	<b>8.00</b>	<b>T2</b>									
<<Min: 6.95 - 8 2% pyrite>>											
<<Alt: 6.95 - 8 strong Ankerite>>											
<b>8.00</b>	<b>11.04</b>	<b>T1</b>									
<b>11.04</b>	<b>14.40</b>	<b>T2</b>									
<<Min: 11.43 - 12.93 0.1% arsenopyrite>>											
<<Min: 11.43 - 12.93 2% pyrite>>											
			5.79	6.40	0.61	71498	0.79				
			6.40	6.61	0.21	71499	0.07				
			6.61	7.62	1.01	71500	1.89				
			11.43	12.80	1.37	73151	1.99				
			12.80	14.94	2.14	73152	2.81				



# Drill Log

Project:

Cassiar

Hole Number:

94-02

From (m) To (m) Rocktype & Description

<<Min: 12.93 - 14.05 4% pyrite>>  
 <<Alt: 11.04 - 12.93 moderate Ankerite>>  
 <<Alt: 12.93 - 14.05 strong Ankerite>>  
 <<Alt: 14.05 - 14.4 moderate Ankerite>>  
 <<Vein: 12.1 - 12.12 Quartz>>  
 <<Vein: 12.93 - 12.95 Quartz 40 deg. >>

**14.40 20.86 T1 Basalt**  
**20.86 26.94 T2 Basalt - Altered**

<<Min: 21.86 - 22.46 0.5% pyrite>>  
 <<Alt: 20.86 - 24.83 moderate Ankerite>>  
 <<Alt: 24.83 - 26.94 weak Ankerite>>  
 <<Vein: 22.04 - 22.07 Quartz 45 deg. >>

**26.94 29.47 T1 Basalt**  
**29.47 33.38 T2 Basalt - Altered**

<<Alt: 29.47 - 33.38 moderate Ankerite>>  
**33.38 35.33 T1 Basalt**  
**35.33 36.27 T2 Basalt - Altered**  
 <<Alt: 35.33 - 36.27 moderate Ankerite>>

**36.27 42.75 T1 Basalt**

<<Struc: 39.31 - 42.75 intense fault gouge>>

**42.75 43.50 T2 Basalt - Altered**

<<Min: 43.35 - 43.5 5% pyrite>>  
 <<Alt: 42.75 - 43.5 strong Ankerite>>

**43.50 44.00 T5 Quartz Vein**

<<Min: 43.5 - 44 0.1% pyrite>>  
 <<Vein: 43.5 - 43.8 Calcite>>

**44.00 48.77 T2 Basalt - Altered**

<<Min: 44 - 44.75 5% pyrite>>  
 <<Min: 48.2 - 48.77 2% pyrite>>  
 <<Alt: 44 - 44.75 strong Ankerite>>  
 <<Alt: 44.75 - 48.77 moderate Ankerite>>  
 <<Vein: 46.63 - 46.65 Quartz 80 deg. >>  
 <<Vein: 48.62 - 48.64 Quartz 60 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
21.76	22.56	0.80	73153	0.69				
22.56	23.93	1.37	73154	0.03				
23.93	24.78	0.85	73155	0.03				
30.18	31.61	1.43	73156	0.07				
43.28	43.65	0.37	73157	1.61				
43.65	44.04	0.39	73158	0.99				
44.04	44.50	0.46	73159	3.15				
44.50	45.18	0.68	G240143	0.025	69	68	124	4
48.31	48.77	0.46	73160	3.29				

## Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**94-02**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>End of Hole @ 48.77</b>											

# Drill Log

**Project:** Cassiar **Hole Number:** 94-03

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By:
Grid:	Hole Diameter:	Survey By:	Date Started: 09/06/2012
UTM Easting:	Core Size:	Azimuth:	Date Completed: 09/06/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 57.62	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title:	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>4.88</b>	<b>OVB</b>									
<b>4.88</b>	<b>13.00</b>	<b>T2</b>									
<<Min: 10.3 - 13 7% pyrite>>											
<<Vein: 9.05 - 9.08 30% Quartz>>											
		<b>Overburden</b>									
		<b>Basalt - Altered</b>									
			4.88	5.64	0.76	73161	0.34				
			5.64	6.40	0.76	73162	2.64				
			6.40	7.01	0.61	73163	0.75				
			8.53	10.36	1.83	G240055	0.025	268	57	63	1
			10.36	10.67	0.31	73164	3.02				
			10.67	11.58	0.91	73165	1.34				
			11.58	12.50	0.92	73166	1.89				
			12.50	12.95	0.45	73176	3.39				
<b>13.00</b>	<b>16.32</b>	<b>T1</b>									
<b>16.32</b>	<b>17.70</b>	<b>T2</b>									
<<Alt: 16.32 - 17.7 weak Ankerite>>											
<b>17.70</b>	<b>23.97</b>	<b>T1</b>									
<b>23.97</b>	<b>25.55</b>	<b>T2</b>									
<<Alt: 23.97 - 25.55 weak Ankerite>>											
<b>25.55</b>	<b>37.49</b>	<b>T1</b>									
<<Struc: 29.39 - 30.42 moderate fault gouge>>											
<b>37.49</b>	<b>39.97</b>	<b>T2</b>									
		<b>Basalt</b>									
		<b>Basalt - Altered</b>									
			23.77	24.38	0.61	73167	0.69				
			24.38	24.69	0.31	73168	2.74				
			37.49	37.95	0.46	73175	0.001				

# Drill Log

Project:

Cassiar

Hole Number:

94-03

From (m) To (m) Rocktype & Description

<<Alt: 37.49 - 39.79 moderate Ankerite>>

**39.97 46.01 T1 Basalt**

**46.01 49.78 T2 Basalt - Altered**

<<Min: 48.88 - 49.78 2% pyrite>>

<<Alt: 46.01 - 49.78 strong Ankerite>>

**49.78 50.36 T5 Quartz Vein**

<<Min: 49.78 - 50.36 1% tetrahedrite>>

<<Min: 49.78 - 50.36 0.1% sphalerite>>

<<Min: 49.78 - 50.36 5% pyrite>>

<<Min: 49.78 - 50.36 0.01% gold>>

**50.36 57.62 T2 Basalt - Altered**

<<Min: 50.36 - 51.02 3% pyrite>>

<<Alt: 50.36 - 57.62 moderate Ankerite>>

<<Struc: 55.26 - 56.06 intense fault gouge>>

**End of Hole @ 57.62**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
37.95	39.79	1.84	G240056	0.14	60	75	133	1
48.07	48.62	0.55	G240057	0.025	64	55	117	1
48.62	49.07	0.45	73174	0.001				
49.07	49.38	0.31	73169	5.31				
49.38	49.99	0.61	73170	1.58				
49.99	50.47	0.48	73171	31.92				
50.47	51.21	0.74	73172	1.06				
57.00	57.36	0.36	73173	9.12				

# Drill Log

**Project:** Cassiar **Hole Number:** 94-04

Prospect:	Taurus	Hole Type:		Survey Type:	GPS	Logged By:	Ron Voordouw
Grid:		Hole Diameter:		Survey By:		Date Started:	15/06/2012
UTM Easting:		Core Size:		Azimuth:		Date Completed:	15/06/2012
UTM Northing:		Casing Pulled?:	<input type="checkbox"/>	Dip:		Drill Company:	
UTM Elev. (m):		Casing Depth (m):		Length (m):	36.58	Drill Rig:	
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title:		Drill Started:	
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	
Local Elev. (m):							
Comments:							

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>4.27</b>	<b>OVB Overburden</b>									
<b>4.27</b>	<b>14.31</b>	<b>T1 Basalt</b>									
<b>14.31</b>	<b>16.47</b>	<b>T2 Basalt - Altered</b>	15.24	15.85	0.61	73210	0.48				
<<Min: 14.78 - 15.78 0.1% pyrite>>			15.85	17.07	1.22	73211	0.82				
<<Alt: 14.31 - 16.47 moderate Ankerite>>											
<<Vein: 15.08 - 15.082 Quartz 40 deg. >>											
<<Vein: 15.78 - 15.81 Quartz 50 deg. >>											
<b>16.47</b>	<b>17.07</b>	<b>T5 Quartz Vein</b>									
<b>17.07</b>	<b>19.87</b>	<b>T2 Basalt - Altered</b>	17.07	17.37	0.30	73212	1.89				
<<Min: 17.07 - 18.16 3% pyrite>>			17.37	17.83	0.46	73213	0.89				
<<Min: 17.07 - 18.16 0.1% arsenopyrite>>											
<<Alt: 17.07 - 18.16 moderate Ankerite>>											
<<Alt: 18.16 - 19.87 weak Ankerite>>											
<<Vein: 17.15 - 17.152 Quartz 45 deg. >>											
<b>19.87</b>	<b>27.98</b>	<b>T1 Basalt</b>									
<b>27.98</b>	<b>30.24</b>	<b>T2 Basalt - Altered</b>	29.87	30.30	0.43	G240113	0.16	105	51	60	1
<<Alt: 27.98 - 30.24 moderate Ankerite>>											
<<Vein: 28.9 - 29.06 Quartz>>											

## Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**94-04**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>30.24</b>	<b>36.58</b>	<b>T1 Basalt</b>									
<b>End of Hole @ 36.58</b>											

# Drill Log

**Project:** Cassiar **Hole Number:** 94-05

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By: Ron Voordouw
Grid:	Hole Diameter:	Survey By:	Date Started: 11/06/2012
UTM Easting	Core Size:	Azimuth:	Date Completed:
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 55.47	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			
Re-Log of historic Taurus diamond drillhole.			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>3.66</b>	<b>4.30</b>	<b>T1 Basalt</b>	3.96	6.40	2.44	73205	2.95				
<b>4.30</b>	<b>4.60</b>	<b>T5 Quartz Vein</b>									
<b>4.60</b>	<b>6.42</b>	<b>T2 Basalt - Altered</b>									
<<Min: 4.6 - 6.42 3% pyrite>>											
<<Alt: 4.6 - 6.42 moderate Ankerite>>											
<b>6.42</b>	<b>9.14</b>	<b>T1 Basalt</b>	10.36	12.50	2.14	73206	1.44				
<b>9.14</b>	<b>16.46</b>	<b>T2 Basalt - Altered</b>	14.02	15.54	1.52	73207	0.38				
<<Min: 10.53 - 12.57 3% pyrite>>											
<<Min: 10.53 - 12.57 0.1% arsenopyrite>>											
<<Min: 13.7 - 15.4 0.5% pyrite>>											
<<Alt: 9.14 - 10.53 weak Ankerite>>											
<<Alt: 10.53 - 12.57 moderate Ankerite>>											
<<Alt: 12.57 - 13.7 weak Ankerite>>											
<<Alt: 13.7 - 16.46 moderate Ankerite>>											
<<Vein: 10.94 - 10.941 Quartz 30 deg. >>											
<<Vein: 11.06 - 11.07 Quartz 30 deg. >>											
<<Vein: 14.9 - 14.91 Quartz 30 deg. >>											

# Drill Log

Project:

Cassiar

Hole Number:

94-05

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
16.46	16.96	<b>FLT</b> Fault, Fault Zone 16.46 - 16.96: fault gouge									
16.96	20.53	<b>T1</b> Basalt <<Vein: 17.8 - 17.801 Quartz-Ankerite 40 deg. >>									
20.53	21.78	<b>FLT</b> Fault, Fault Zone 20.53 - 21.78: fault gouge  <<Vein: 20.53 - 20.58 Quartz-Carbonate 25 deg. >> Banded in parts. Contains soft milky pale green mineral.									
21.78	22.03	<b>T1</b> Basalt									
22.03	24.15	<b>FLT</b> Fault, Fault Zone 22.03 - 24.15: fault gouge									
24.15	26.30	<b>T1</b> Basalt									
26.30	28.20	<b>FLT</b> Fault, Fault Zone 26.3 - 28.2: Rest of Flg is T1  <<Vein: 27.9 - 27.96 Quartz-Carbonate 50 deg. >>									
28.20	29.43	<b>T2</b> Basalt - Altered <<Alt: 28.2 - 29.43 intense Ankerite>>	28.35	28.96	0.61	73208	0.07				
29.43	30.70	<b>FLT</b> Fault, Fault Zone 29.43 - 30.7: T2, fault gouge	28.96	29.57	0.61	73209	0.03				
30.70	31.60	<b>T1</b> Basalt									
31.60	34.15	<b>FLT</b> Fault, Fault Zone 31.6 - 34.15: fault gouge									
34.15	35.05	<b>T1</b> Basalt									
35.05	35.45	<b>FLT</b> Fault, Fault Zone 35.05 - 35.45: fault gouge									
35.45	38.27	<b>T1</b> Basalt									
38.27	40.95	<b>FLT</b> Fault, Fault Zone 38.27 - 40.95: fault gouge									
40.95	46.50	<b>T2</b> Basalt - Altered	41.00	42.21	1.21	73214	0.75				



## Drill Log

Project:

Cassiar

Hole Number:

94-05

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
		<<Min: 40.95 - 42.25 2% pyrite>>									
		<<Min: 40.95 - 42.25 0.1% arsenopyrite>>									
		<<Alt: 40.95 - 44.52 moderate Ankerite>>									
		<<Alt: 44.52 - 46.5 weak Ankerite>>									
		<<Vein: 41.65 - 41.652 Calcium carbonate/Carbonate 15 deg. >>									
		<<Vein: 41.87 - 41.872 Calcium carbonate/Carbonate 0 deg. >>									
		<b>46.50 51.60 T1 Basalt</b>									
		<<Vein: 50.6 - 50.62 Quartz-Tourmaline 20 deg. >>									
		<b>51.60 55.47 T2 Basalt - Altered</b>									
		<<Alt: 51.6 - 55.47 weak Ankerite>>									
		<<Vein: 54.83 - 54.835 Calcium carbonate/Carbonate 50 deg. >>									
		<b>End of Hole @ 55.47</b>									

# Drill Log

**Project:** Cassiar **Hole Number:** 94-13

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By: Ron Voordouw
Grid:	Hole Diameter:	Survey By:	Date Started: 10/06/2012
UTM Easting:	Core Size:	Azimuth:	Date Completed: 10/06/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 39.6	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title:	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>7.65</b>	<b>OVB Overburden</b>	7.32	7.92	0.60	73257	1.03				
<b>7.65</b>	<b>9.20</b>	<b>T2 Basalt - Altered</b>	7.92	8.99	1.07	73258	0.03				
<<Alt: 7.65 - 9.2 strong Ankerite>>			8.99	10.61	1.62	73259	5.97				
<b>9.20</b>	<b>9.70</b>	<b>T5 Quartz Vein</b>									
<b>9.70</b>	<b>11.75</b>	<b>T2 Basalt - Altered</b>	10.61	11.22	0.61	G240058	0.21	17	61	106	1
<<Min: 9.7 - 10.5 7% pyrite>>											
<<Alt: 9.7 - 11.75 moderate Ankerite>>											
<<Vein: 9.85 - 9.853 Quartz 30 deg. >>											
<b>11.75</b>	<b>14.80</b>	<b>T1 Basalt</b>									
<b>14.80</b>	<b>17.90</b>	<b>T2 Basalt - Altered</b>	16.31	17.53	1.22	73260	0.07				
<<Min: 17.2 - 17.9 5% pyrite>>			17.53	17.83	0.30	73261	3.46				
<<Alt: 14.8 - 15.7 weak Ankerite>>			17.83	18.90	1.07	73262	0.24				
<<Alt: 15.7 - 17.9 strong Ankerite>>											
<<Vein: 16.3 - 16.35 Quartz>>											
<<Vein: 16.4 - 16.405 Quartz-Ankerite 40 deg. >>											
<<Vein: 16.65 - 16.7 Quartz 40 deg. >>											
<<Vein: 16.85 - 16.86 Quartz 60 deg. >> Banded Quartz Vein											
<b>17.90</b>	<b>19.45</b>	<b>T5 Quartz Vein</b>									

# Drill Log

Project:

Cassiar

Hole Number:

94-13

From (m) To (m) Rocktype & Description

<<Min: 17.9 - 19.45 0.5% pyrite>>

**19.45 21.15 T2 Basalt - Altered**

<<Min: 19.45 - 21.15 6% pyrite>>

<<Alt: 19.45 - 21.15 strong Ankerite>>

<<Vein: 20.25 - 20.26 Quartz 45 deg. >> Banded QV

**21.15 21.80 CV Carbonate Vein**

**21.80 22.25 T2 Basalt - Altered**

<<Alt: 21.8 - 22.25 weak Ankerite>>

**22.25 24.70 T1 Basalt**

**24.70 26.80 T2 Basalt - Altered**

<<Min: 25.4 - 26.8 4% pyrite>>

<<Alt: 24.7 - 26.8 strong Ankerite>>

<<Vein: 25.75 - 25.755 Quartz 35 deg. >>

**26.80 27.40 T5 Quartz Vein**

**27.40 32.80 T2 Basalt - Altered**

<<Min: 27.4 - 28.2 3% pyrite>>

<<Min: 32.7 - 33.7 5% pyrite>>

<<Alt: 27.4 - 32.8 moderate Ankerite>>

<<Vein: 27.7 - 27.8 Quartz>>

**32.80 33.20 T5 Quartz Vein**

**33.20 36.45 T2 Basalt - Altered**

<<Min: 34.05 - 34.75 3% pyrite>>

<<Min: 35.8 - 36.45 5% pyrite>>

<<Min: 35.8 - 36.45 4% arsenopyrite>>

<<Alt: 33.2 - 36.45 moderate Ankerite>>

<<Vein: 35.5 - 35.52 Quartz 20 deg. >>

**36.45 37.18 T1 Basalt**

<<Min: 36.45 - 37.18 0.5% sphalerite>>

<<Min: 36.45 - 37.18 0.5% pyrite>>

**37.18 39.60 T2 Basalt - Altered**

<<Min: 37.18 - 37.5 2% pyrite>>

<<Alt: 37.18 - 39.6 moderate Ankerite>>

<<Vein: 37.85 - 37.851 Quartz 40 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
20.73	21.03	0.30	73271	2.88				
21.03	21.79	0.76	73272	0.58				
25.30	26.52	1.22	73264	3.74				
26.52	27.52	1.00	73265	5.31				
27.52	28.19	0.67	73266	2.16				
28.65	29.19	0.54	G240059	0.49	267	59	112	4
29.19	29.64	0.45	G240060	0.42	48	41	136	2
29.64	30.14	0.50	G240061	1.15	38	44	116	2
32.61	33.53	0.92	73268	3.26				
33.53	35.81	2.28	73269	1.37				
35.81	37.43	1.62	73270	3.53				
37.43	39.62	2.19	G240062	0.53	97	56	127	2

## Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**94-13**

From (m)	To (m)	Rocktype & Description
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<<Struc: 38.5 - 38.6	Sheared 30 deg.	>>
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**End of Hole @ 39.6**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
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# Drill Log

**Project:** Cassiar **Hole Number:** 94-14

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By: Ron Voordouw
Grid:	Hole Diameter:	Survey By:	Date Started: 15/06/2012
UTM Easting:	Core Size:	Azimuth:	Date Completed: 15/06/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 65.84	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title:	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>5.18</b>	<b>OVB</b>									
<b>5.18</b>	<b>9.69</b>	<b>T1</b>									
<b>9.69</b>	<b>12.95</b>	<b>T2</b>	11.68	12.04	0.36	G240114	0.025	192	51	97	1
<<Min: 10.5 - 12.95 3% pyrite>>			12.04	12.95	0.91	73273	2.06				
<b>12.95</b>	<b>13.60</b>	<b>T5</b>	12.95	13.56	0.61	73274	0.58				
<<Min: 12.95 - 13.6 0.1% pyrite>>			13.56	15.24	1.68	73275	2.37				
<b>13.60</b>	<b>15.78</b>	<b>T2</b>	15.24	15.70	0.46	73276	2.19				
<<Min: 13.6 - 15.78 3% pyrite>>			15.70	16.37	0.67	73277	2.26				
<<Vein: 15.6 - 15.62 Quartz-Ankerite 30 deg. >>											
<b>15.78</b>	<b>16.20</b>	<b>CV</b>									
<b>16.20</b>	<b>23.32</b>	<b>T2</b>	20.57	22.56	1.98	G240115	0.025	420	59	71	1
<<Min: 16.2 - 16.5 2% pyrite>>			22.56	23.32	0.76	73278	0.55				
<<Min: 21.27 - 22.9 0.5% pyrite>>											
<<Min: 22.9 - 23.32 3% pyrite>>											
<<Vein: 20.8 - 20.85 Calcite 40 deg. >>											
<<Vein: 22.83 - 22.88 Quartz 30 deg. >>											
<<Struc: 16.2 - 17.08 fault breccia>>											
<b>23.32</b>	<b>25.91</b>	<b>T5</b>	23.32	25.91	2.59	73279	5.9				
<b>Quartz Vein</b>											

# Drill Log

Project:

Cassiar

Hole Number:

94-14

From (m) To (m) Rocktype & Description

<<Min: 23.32 - 25.91 0.5% tetrahedrite>>

<<Min: 23.32 - 25.91 0.1% sphalerite>>

<<Min: 23.32 - 25.91 0.5% pyrite>>

**25.91 27.58 T2 Basalt - Altered**

<<Min: 25.91 - 26.45 1% pyrite>>

<<Min: 26.85 - 27.58 3% pyrite>>

<<Vein: 26.65 - 26.651 Quartz 30 deg. >>

**27.58 27.88 T5 Quartz Vein**

**27.88 28.64 T2 Basalt - Altered**

<<Min: 27.88 - 28.64 3% pyrite>>

<<Vein: 28.25 - 28.27 Quartz 20 deg. >>

**28.64 29.35 T5 Quartz Vein**

<<Min: 28.64 - 29.35 1% pyrite>>

**29.35 30.94 CV Carbonate Vein**

**30.94 33.50 T2 Basalt - Altered**

**33.50 46.02 T1 Basalt**

<<Vein: 44.38 - 44.39 Calcite 5 deg. >>

<<Struc: 41.68 - 43.54 intense fault gouge>>

<<Struc: 44.68 - 44.98 intense fault gouge>>

**46.02 46.40 T2 Basalt - Altered**

**46.40 49.99 T1 Basalt**

<<Vein: 48.57 - 48.572 Calcite 10 deg. >>

<<Struc: 49.44 - 50.5 strong fault gouge>>

**49.99 53.10 T2 Basalt - Altered**

<<Min: 52 - 53.1 5% pyrite>>

<<Vein: 51.05 - 51.06 Quartz 35 deg. >>

<<Vein: 52.3 - 52.31 Quartz-Ankerite 20 deg. >>

**53.10 54.10 T5 Quartz Vein**

<<Min: 53.1 - 54.4 1% pyrite>>

**54.10 61.57 T2 Basalt - Altered**

<<Min: 59.13 - 59.74 4% pyrite>>

<<Vein: 58.55 - 58.6 Quartz-Ankerite 25 deg. >>

<<Vein: 59.38 - 59.39 Quartz 40 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
25.91	26.21	0.30	73280	3.19				
26.21	26.82	0.61	73281	0.21				
26.82	27.58	0.76	73282	1.82				
27.58	28.50	0.92	73283	0.34				
28.50	28.96	0.46	73284	0.82				
28.96	29.87	0.91	73285	2.16				
29.87	30.94	1.07	73286	1.06				
30.94	32.00	1.06	73287	2.13				
52.12	53.64	1.52	73288	2.71				
53.64	54.10	0.46	73289	2.5				
54.10	54.41	0.31	73290	0.34				
56.69	57.19	0.50	G240116	0.025	1920	55	90	1
59.13	59.74	0.61	73291	3.98				

## Drill Log

Project:

Cassiar

Hole Number:

94-14

From (m)      To (m)                      Rocktype & Description

<<Vein: 59.55 - 59.56 Quartz 30 deg. >>

**61.57    61.92    T5                      Quartz Vein**

<<Min: 61.57 - 61.92 0.1% pyrite>>

**61.92    63.95    T2                      Basalt - Altered**

<<Min: 61.92 - 63.29 4% pyrite>>

<<Min: 61.92 - 63.29 0.5% arsenopyrite>>

**63.95    65.84    T1                      Basalt**

**End of Hole @ 65.84**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
61.57	62.79	1.22	73292	1.3				

# Drill Log

**Project:** Cassiar **Hole Number:** 94-15

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By: Ron Voordouw
Grid:	Hole Diameter:	Survey By:	Date Started: 10/06/2012
UTM Easting:	Core Size:	Azimuth:	Date Completed: 10/06/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 49.08	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title:	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>6.55</b>	<b>OVB Overburden</b>									
<b>6.55</b>	<b>16.00</b>	<b>LC Lost Core</b>									
<b>16.00</b>	<b>21.10</b>	<b>T2 Basalt - Altered</b>	19.81	20.42	0.61	73294	1.89				
<<Min: 16 - 19.5 0.5% pyrite>>											
<<Min: 19.5 - 20 2% pyrite>>											
<<Min: 19.5 - 20 0.02% arsenopyrite>>											
<<Alt: 16 - 21.1 moderate Ankerite>>											
<<Vein: 19.7 - 19.71 70% Quartz>>											
<<Vein: 19.8 - 19.83 70% Quartz>>											
<b>21.10</b>	<b>22.90</b>	<b>T1 Basalt</b>									
<b>22.90</b>	<b>27.60</b>	<b>FLT Fault, Fault Zone</b>									
<b>27.60</b>	<b>31.40</b>	<b>NCOR No Core</b>									
<<Alt: 30.4 - 40.6 strong Ankerite>>											
<<Vein: 30.83 - 30.85 Quartz>>											
<b>31.40</b>	<b>33.40</b>	<b>T1 Basalt</b>									
<b>33.40</b>	<b>40.60</b>	<b>T2 Basalt - Altered</b>	39.01	39.62	0.61	73295	3.46				
<<Min: 36 - 37.17 3% pyrite>>											
<<Vein: 39.94 - 39.95 60% Quartz>>											
			39.62	40.90	1.28	73296	2.26				



## Drill Log

Project:

Cassiar

Hole Number:

94-15

From (m)      To (m)                      Rocktype & Description

<<Vein: 40 - 40.05 60% Quartz>>

**40.60    41.80 NCOR    No Core**

<<Alt: 41.08 - 49.07 moderate Ankerite>>

**41.80    49.07 T2            Basalt - Altered**

41.8 - 49.07: Mostly unsampled

<<Min: 41.8 - 47.1 0.1% pyrite>>

<<Min: 47.1 - 47.55 5% pyrite>>

<<Vein: 45.41 - 45.42 50% Quartz>>

<<Vein: 47.2 - 47.3 Quartz>>

**End of Hole @ 49.08**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
40.90	41.61	0.71	73297	1.54				
47.85	48.16	0.31	73298	1.41				

# Drill Log

**Project:** Cassiar **Hole Number:** 94-16

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By: Ron Voordouw
Grid:	Hole Diameter:	Survey By:	Date Started: 09/06/2012
UTM Easting:	Core Size:	Azimuth:	Date Completed: 09/06/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 67.99	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title:	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>6.71</b>	<b>OVB Overburden</b> <<Alt: 0 - 11.5 moderate Fe-Carbonate>> <<Alt: 0 - 11.5 moderate Ankerite>>									
<b>6.71</b>	<b>11.50</b>	<b>T2 Basalt - Altered</b> <<Min: 10.57 - 13.11 4% pyrite>> <<Vein: 10.97 - 11 Quartz 40 deg. >>	6.71	7.01	0.30	73299	0.03				
			8.53	8.84	0.31	73300	0.03				
			10.97	13.11	2.14	73301	2.02				
<b>11.50</b>	<b>11.90</b>	<b>T5 Quartz Vein</b>									
<b>11.90</b>	<b>13.11</b>	<b>T2 Basalt - Altered</b> <<Vein: 12.47 - 12.49 Quartz 30 deg. >>									
<b>13.11</b>	<b>17.15</b>	<b>T1 Basalt</b>	17.15	18.90	1.75	G240137	0.025	14	62	95	2
<b>17.15</b>	<b>20.00</b>	<b>T2 Basalt - Altered</b> <<Min: 18.9 - 25.2 5% pyrite>> <<Alt: 17.15 - 20 moderate Ankerite>> <<Alt: 17.15 - 20 moderate Sericite-Ankerite>> <<Alt: 17.15 - 20 moderate White mica (Sericite)>>	18.90	20.12	1.22	73303	3.67				
<b>20.00</b>	<b>20.88</b>	<b>T5 Quartz Vein</b>	20.12	21.95	1.83	73304	10.83				
<b>20.88</b>	<b>25.80</b>	<b>T2 Basalt - Altered</b> <<Alt: 20.88 - 22 moderate Ankerite>>	21.95	23.16	1.21	73305	0.1				
			23.16	24.69	1.53	73306	1.61				

# Drill Log

Project:

Cassiar

Hole Number:

94-16

From (m) To (m) Rocktype & Description

<<Alt: 20.88 - 22 moderate White mica (Sericite)>>

<<Alt: 20.88 - 22 moderate Sericite-Ankerite>>

<<Vein: 22 - 23.75 Calcite>>

<<Vein: 22 - 23.75 Calcite>>

**25.80 26.40 T5 Quartz Vein**

<<Min: 25.8 - 27.13 5% pyrite>>

**26.40 32.90 T2 Basalt - Altered**

<<Min: 32.6 - 34 2% pyrite>>

<<Min: 32.6 - 34 0.5% arsenopyrite>>

**32.90 33.00 T5 Quartz Vein**

**33.00 34.30 T2 Basalt - Altered**

<<Alt: 33 - 34.3 weak Sericite-Ankerite>>

<<Alt: 33 - 34.3 weak Ankerite>>

<<Alt: 33 - 34.3 weak White mica (Sericite)>>

**34.30 37.80 T1 Basalt**

**37.80 40.55 T2 Basalt - Altered**

<<Alt: 37.8 - 40.55 moderate Ankerite>>

**40.55 52.10 T1 Basalt**

**52.10 57.40 T2 Basalt - Altered**

<<Min: 54.9 - 56.7 4% pyrite>>

<<Alt: 52.1 - 57.4 weak Ankerite>>

<<Vein: 55.2 - 56 Calcite>>

<<Vein: 55.2 - 56 Calcite>>

**57.40 60.06 T1 Basalt**

**60.06 65.10 T2 Basalt - Altered**

<<Min: 63.8 - 65.1 2% pyrite>>

<<Alt: 60.06 - 65.1 weak Ankerite>>

**65.10 67.99 T1 Basalt**

**End of Hole @ 67.99**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
24.69	25.30	0.61	73307	1.2				
25.30	25.91	0.61	73308	0.24				
25.91	27.13	1.22	73309	6.31				
29.57	30.48	0.91	G240138	0.31	219	32	93	1
30.48	30.78	0.30	73310	0.72				
30.78	32.55	1.77	73311	0.07				
32.55	33.47	0.92	73312	1.89				
33.47	37.31	3.84	73313	0.75				
39.62	40.39	0.77	73314	0.03				
52.43	52.85	0.42	G240139	0.07	71	214	133	2
53.95	55.17	1.22	73315	1.23				
55.17	56.08	0.91	73316	10.46				
56.08	56.39	0.31	73317	1.61				
56.39	56.74	0.35	G240140	0.34	169	63	69	2
63.25	64.01	0.76	G240141	0.31	1310	45	108	1
64.01	64.62	0.61	73318	4.8				
64.62	65.14	0.52	G240142	0.07	91	61	132	4

# Drill Log

**Project:** Cassiar **Hole Number:** 94-21

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Jim Lehtinen
Grid:		Hole Diameter:		Survey By:		Date Started:	23/07/2012
UTM Easting		Core Size:	NQ	Azimuth:		Date Completed:	23/07/2012
UTM Northing:		Casing Pulled?:	<input type="checkbox"/>	Dip:		Drill Company:	
UTM Elev. (m):		Casing Depth (m):		Length (m):	76.5	Drill Rig:	
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title		Drill Started:	
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	
Local Elev. (m):							
Comments:	Re-log of old hole from 36.58m to hole bottom.						

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>7.40</b>	<b>OVB Overburden</b>									
0 - 7.4: Massive basalt or andesite from 0-7.25 meters. It is slightly more coarse grain than most basalt on the property, it may be an subvolcanic intrusion. It doesn't appear to be bedrock, likely a boulder.											
<b>7.40</b>	<b>8.30</b>	<b>T2 Basalt - Altered</b>	8.23	10.00	1.77	149551	5.79				
7.4 - 8.3: Moderate ank											
<<Min: 7.4 - 7.8 18% pyrite>> Globes of pyritohedrons.											
<b>8.30</b>	<b>12.68</b>	<b>T1 Basalt</b>	12.20	13.12	0.92	G240053	0.025	10	81	129	2
<b>12.68</b>	<b>13.36</b>	<b>T2 Basalt - Altered</b>									
12.68 - 13.36: Mod ank											
<b>13.36</b>	<b>14.80</b>	<b>T1 Basalt</b>									
<b>14.80</b>	<b>17.37</b>	<b>T2 Basalt - Altered</b>									
14.8 - 17.37: Weak ank											
<b>17.37</b>	<b>20.20</b>	<b>T1 Basalt</b>									
<b>20.20</b>	<b>22.09</b>	<b>T2 Basalt - Altered</b>									
20.2 - 22.09: Mod ank											

# Drill Log

Project:

Cassiar

Hole Number:

94-21

From (m) To (m) Rocktype & Description

**22.09 27.80 NCOR No Core**

**27.80 28.10 T2 Basalt - Altered**

27.8 - 28.1: Mod ank

<<Min: 27.8 - 28.1 6% pyrite>> Coarse disseminated

**28.10 31.00 T1 Basalt**

<<Vein: 28.1 - 28.4 Quartz 55 deg. >> Grey, smoky quartz vein

**31.00 32.10 T2 Basalt - Altered**

31 - 32.1: Moderate ankerite alteration with graphitic and carbonate stringers

**32.10 36.58 T1 Basalt**

32.1 - 36.58: Unaltered basalt that has undergone greenschist metamorphism.

**36.58 37.30 T2 Basalt - Altered**

36.58 - 37.3: light gn-beige mod-strong AK alt.

<<Min: 36.6 - 40.13 4% pyrite>> Coarse disseminated to pyritohedrons. Pyrite is heavily concentrated near extensional veins.

<<Min: 36.8 - 37.3 5% pyrite>> crse euhedral

<<Alt: 36.58 - 37.3 weak Sericite>>

<<Alt: 36.58 - 37.3 strong Ankerite>>

<<Vein: 37.2 - 37.42 Quartz 20 deg. >> Shear quartz vein with coarse pyrite and very fine graphitic stylolites. Numerous extensional veins likely related to this shear vein occur downhole from it between 38.3-40.13m.

**37.30 37.70 T5 Quartz Vein**

37.3 - 37.7: PY,AS 10%

<<Vein: 37.3 - 37.7 Quartz>> Irregular top contact, with wall rock inclusions. Py clotty to fracture-fill AS as fracture fill and diss

**37.70 40.50 T2 Basalt - Altered**

37.7 - 40.5: Strg AK alt. Minor extensional QZ-CB veins <2cm, at approx 40-60TCA.

<<Min: 37.7 - 39.3 7% pyrite>> crse euhedral

<<Alt: 37.7 - 40.5 weak Sericite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
22.25	22.92	0.67	149552	2.09				
22.92	23.53	0.61	149553	0.21				
23.53	24.99	1.46	149554	3.98				
24.99	26.21	1.22	149555	2.54				
26.21	28.19	1.98	149556	21.43				

30.63	32.16	1.53	149557	0.45				
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36.73	39.56	2.83	149558	3.46				
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39.56	40.16	0.60	G240054	0.025	185	28	109	1
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# Drill Log

Project:

Cassiar

Hole Number:

94-21

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<<Alt: 37.7 - 40.5 intense Ankerite>> <<Vein: 38.3 - 38.36 Quartz>> Crisp extensional vein, fractured on either side so angle tca can't be determined. <<Vein: 38.7 - 38.71 Quartz 40 deg. >> Extensional vein <<Vein: 38.8 - 38.85 Quartz-Pyrite 60 deg. >> Extensional vein with pyritohedrons. <<Vein: 39.68 - 39.7 Quartz 44 deg. >> Extensional quartz vein. Crisp margins with fibrous growth perpendicular tca <<Vein: 40 - 40.01 Quartz 40 deg. >> Extensional quartz vein. Crisp margins with fibrous growth perpendicular tca <<Vein: 40.13 - 40.15 Quartz 35 deg. >> Extensional quartz vein. Crisp margins with fibrous growth perpendicular tca											
<b>40.50</b>	<b>44.30</b>	<b>T1A Pillow Basalt</b>									
40.5 - 44.3: V-weak AK alt											
<b>44.30</b>	<b>47.70</b>	<b>T2 Basalt - Altered</b>	46.02	47.37	1.35	149559	4.35				
44.3 - 47.7: Strong AK altered, wk MS near vein.											
<<Min: 46.3 - 47.7 5% pyrite>> <<Alt: 44.34 - 47.7 strong Ankerite>>											
<b>47.70</b>	<b>48.80</b>	<b>T5 Quartz Vein</b>	47.37	48.77	1.40	149560	7.54				
47.7 - 48.8: PY, AS 7%											
<<Vein: 47.7 - 48.8 Quartz>> Coarse clotty to euhedral PY, AS as fracture fill. Weak faults, late.											
<b>48.80</b>	<b>49.70</b>	<b>T2 Basalt - Altered</b>	48.77	49.68	0.91	149561	12.65				
48.8 - 49.7: Strong AK alt with minor QZ											
<<Min: 48.8 - 49.7 10% pyrite>> <<Alt: 48.8 - 49.7 intense Ankerite>>											
<b>49.70</b>	<b>61.60</b>	<b>T1 Basalt</b>									
49.7 - 61.6: med green moderately fractured with calcite +/- hematite on fractures. Two clay zones = faults? @ 54.55-54.7m and 55.4-56.39m.											
<b>61.60</b>	<b>64.30</b>	<b>T2 Basalt - Altered</b>	63.70	65.17	1.47	149562	0.51				
61.6 - 64.3: Mod. AK alt, wk PY											
<<Min: 64 - 64.3 3% pyrite>> <<Alt: 61.6 - 64.3 weak Ankerite>>											
<b>64.30</b>	<b>65.10</b>	<b>T5 Quartz Vein</b>									
64.3 - 65.1: QZ-CB vein. Late CA x-cutting QZ. Brecciated top contact											
<<Vein: 64.3 - 65.1 Calcite>> QZ vein, brecciated and later CA veined. SX poor.											

## Drill Log

Project:

Cassiar

Hole Number:

94-21

From (m) To (m) Rocktype & Description

**65.10 68.40 T2 Basalt - Altered**

65.1 - 68.4: Mod. AK alt'n as per above vein

<<Min: 65.1 - 67.6 3% pyrite>>

<<Alt: 65.1 - 68.4 weak Ankerite>>

**68.40 71.70 T1A Pillow Basalt**

68.4 - 71.7: Med green, fine CA stringers

**71.70 73.90 T2 Basalt - Altered**

71.7 - 73.9: Weak AK alt. weak CA stringers.

<<Alt: 71.7 - 73.9 weak Ankerite>>

**73.90 76.50 T1 Basalt**

73.9 - 76.5: v weak AK, CA alt'n and weak CH crackle bx.

**End of Hole @ 76.5**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
65.17	66.29	1.12	149563	0.79				
66.29	68.55	2.26	149564	0.75				
72.24	73.30	1.06	149565	0.48				

# Drill Log

**Project:** Cassiar **Hole Number:** 94-30

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By: Ryan Congdon
Grid:	Hole Diameter:	Survey By:	Date Started: 24/07/2012
UTM Easting:	Core Size:	Azimuth:	Date Completed: 24/07/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 116.2	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title:	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			

**Comments:**

Re-log of historic diamond drilling targeting possible thrust and faulting structures and correlation across sections. Hole intersected weak T2 above a fault zone and likely upper thrust at 42.7m. A 14m Lamprophyre dyke intrudes and seems to utilise litho

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>4.00</b>	<b>OVB Overburden</b>									
<b>4.00</b>	<b>26.20</b>	<b>T2 Basalt - Altered</b>	4.57	10.10	5.53	20525	0.001				
4 - 26.2: Weakly mineralised. Spun and rubble core											
<<Vein: 14.4 - 21.2 Quartz>> difficult to determining however more likely ext											
<<Vein: 22.5 - 38 Quartz>>											
			10.10	12.19	2.09	20526	0.001				
			12.19	13.11	0.92	149647	0.07				
			13.11	16.50	3.39	20527	0.001				
			16.50	18.90	2.40	20528	0.001				
			18.90	20.27	1.37	20529	0.001				
			20.27	20.57	0.30	149648	0.48				
			20.57	21.95	1.38	20531	0.001				
			21.95	22.86	0.91	149649	0.48				
			22.86	24.38	1.52	149650	0.69				
<b>26.20</b>	<b>26.50</b>	<b>T5 Quartz Vein</b>	26.21	26.52	0.31	149651	1.03				
26.2 - 26.5: massive difficult to determine type.											
<<Vein: 26.3 - 26.5 Quartz>>											
<b>26.50</b>	<b>42.70</b>	<b>T2 Basalt - Altered</b>	26.52	29.90	3.38	20532	0.47				
<<Min: 32.4 - 35.2 3% pyrite>>											
			29.90	31.40	1.50	20533	0.13				



# Drill Log

Project:

Cassiar

Hole Number:

94-30

From (m) To (m) Rocktype & Description

<<Min: 32.4 - 35.2 0.3% arsenopyrite>>

<<Vein: 32.8 - 33 Quartz 55 deg. >>

## 42.70 47.80 FLT Fault, Fault Zone

42.7 - 47.8: Highly broken and clay rich zone. Brecciated and calcite veined locally. Sed (graphitic argillite) dark band of highly broken material 46-46.5m. Possible centre for structure and shearing. Late and peripheral deformation forming broader fault gouge broken

<<Struc: 42.7 - 49.3 fault gouge>> Broken friable clay rich zone. Interpreted to cover multiple lithologies (T2, sed and T11). Indicating re-activation or meteoric weathering (utilising structure) to decompose Dyke. Pervasive CA throughout. Carb veining in upper portion of zone (T2) associa

## 47.80 61.70 T11 Lamprophyre

47.8 - 61.7: broken fault gouge upper contact. Margin placed at interpreted change (colour and weathered material change)

<<Struc: 61.699 - 61.7 contact 30 deg. >>

## 61.70 62.50 5B Chert

61.7 - 62.5: Sharp contact to grey-purple banded and sheared unit, possible cherty horizon exhibiting shear fabric.

<<Struc: 61.7 - 62.5 Sheared 50 deg. 40 deg. >> Hard siliceous banded unit purple cherty sed and green mafic bands. Possible strong sheared-thrust zone, strongest deformation on centre of unit, lesser in intensity to lower mafic contact. Lamp dyke likely utilised structure+litho contact.

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
31.40	32.46	1.06	20534	0.001				
32.46	33.68	1.22	149652	0.79				
33.68	34.75	1.07	149653	0.58				
34.75	36.30	1.55	20535	0.27				
36.30	37.80	1.50	20536	0.001				
37.80	38.85	1.05	20537	0.001				
38.85	40.00	1.15	20538	0.001				
40.00	41.00	1.00	20539	0.6				
41.00	41.90	0.90	20541	0.001				
41.90	43.00	1.10	20542	0.001				
43.00	44.50	1.50	20543	0.001				
44.50	46.00	1.50	20544	0.14				
46.00	47.80	1.80	20545	0.001				
47.80	49.30	1.50	20546	0.001				
49.30	50.80	1.50	20547	0.001				
50.80	52.30	1.50	20548	0.001				
52.30	53.80	1.50	20549	0.001				
53.80	55.30	1.50	20551	0.001				
55.30	56.80	1.50	20552	0.001				
56.80	58.30	1.50	20553	0.001				
58.30	59.80	1.50	20554	0.001				
59.80	61.30	1.50	20555	0.001				
61.30	62.50	1.20	20556	0.001				

# Drill Log

Project:

Cassiar

Hole Number:

94-30

From (m) To (m) Rocktype & Description

**62.50 79.05 T1F Magnetic/Jasper Pillow Basalt**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
62.50	64.00	1.50	20557	0.001				
64.00	65.50	1.50	20558	0.001				
65.50	67.05	1.55	20559	0.001				
67.05	68.75	1.70	20561	0.001				
68.75	70.30	1.55	20562	0.001				
70.30	71.90	1.60	20563	0.001				
71.90	75.30	3.40	20564	0.001				
75.30	77.10	1.80	20565	0.001				
77.10	78.40	1.30	20566	0.001				
78.40	79.05	0.65	20567	0.001				
79.05	79.85	0.80	20568	0.001				

**79.05 79.85 FLT Fault, Fault Zone**  
 79.05 - 79.85: T2 faulted zone, strong calcite veining + fract fill, minor brecciation

<<Struc: 79.3 - 79.8 fault breccia 25 deg. >> minor shearing associated with cv

**79.85 101.50 T1F Magnetic/Jasper Pillow Basalt**

79.85	81.40	1.55	20569	0.001				
81.40	82.90	1.50	20571	0.22				
82.90	84.50	1.60	20572	0.001				
84.50	86.00	1.50	20573	0.001				
86.00	87.50	1.50	20574	0.001				
87.50	89.00	1.50	20575	0.001				
89.00	90.50	1.50	20576	0.001				
90.50	92.00	1.50	20577	0.001				
92.00	93.60	1.60	20578	0.001				
93.60	95.10	1.50	20579	0.001				
95.10	96.60	1.50	20581	0.001				
96.60	98.30	1.70	20582	0.001				
98.30	100.00	1.70	20583	0.001				
100.00	101.85	1.85	20584	0.001				
101.85	103.15	1.30	20585	0.1				

**101.50 104.65 T2 Basalt - Altered**  
 101.5 - 104.65: weak T2

<<Min: 101.5 - 104.65 1% pyrite>>

**104.65 116.20 T1F Magnetic/Jasper Pillow Basalt**

104.65 - 116.2: Possible weak patchy foliation, mainly noticeable on split core surface. Likely manifestation of regional deformation, or lower not intersected shear zone.

103.15	104.65	1.50	20586	1.45				
104.65	106.15	1.50	20587	0.001				

## Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**94-30**

From (m)    To (m)                      Rocktype & Description

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
106.15	107.65	1.50	20588	0.001				
107.65	109.15	1.50	20589	1.34				
109.15	110.65	1.50	20591	0.001				
110.65	112.15	1.50	20592	0.001				
112.15	113.65	1.50	20593	0.001				
113.65	115.15	1.50	20594	0.001				
115.15	116.13	0.98	20595	0.001				

**End of Hole @ 116.2**

# Drill Log

**Project:** Cassiar **Hole Number:** 94-42

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By:
Grid:	Hole Diameter:	Survey By:	Date Started:
UTM Easting	Core Size:	Azimuth:	Date Completed:
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 106.68	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

Very quick re-log to determine the depth of the thrust.

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>4.57</b>	<b>OVB</b>									
<b>4.57</b>	<b>7.77</b>	<b>T1 Basalt</b>	7.70	8.23	0.53	149864	1.23				
<b>7.77</b>	<b>20.19</b>	<b>T2 Basalt - Altered</b>	8.23	9.75	1.52	149865	3.91				
<<Vein: 9.75 - 11.28 Quartz>>			9.75	11.28	1.53	149866	1.1				
<<Vein: 15.85 - 16.15 Quartz>>			11.28	13.41	2.13	149867	8.23				
<<Vein: 16.46 - 17.22 Quartz>>			13.41	14.94	1.53	149868	3.19				
			14.94	16.46	1.52	149869	2.19				
			16.46	17.22	0.76	149870	1.34				
			17.22	18.36	1.14	149871	0.41				
			18.36	19.20	0.84	149872	3.12				
			19.20	19.89	0.69	149873	0.001				
			19.89	20.19	0.30	149874	1.17				
<b>20.19</b>	<b>34.00</b>	<b>T1 Basalt</b>									
<b>34.00</b>	<b>44.50</b>	<b>T2 Basalt - Altered</b>	37.19	39.01	1.82	149876	1.37				
<<Vein: 42.98 - 44.35 Quartz>>			39.01	40.39	1.38	149877	1.34				
<<Struc: 34 - 35 moderate Sheared 45 deg. >>			42.98	44.42	1.44	149878	3.84				
<b>44.50</b>	<b>50.60</b>	<b>T1 Basalt</b>									
<b>50.60</b>	<b>51.66</b>	<b>T2 Basalt - Altered</b>	50.60	51.66	1.06	149879	3.77				

# Drill Log

Project:

Cassiar

Hole Number:

94-42

From (m) To (m) Rocktype & Description

**51.66 56.69 T1 Basalt**  
**56.69 57.30 T2 Basalt - Altered**  
**57.30 59.13 T1 Basalt**

<<Struc: 58.15 - 58.47 intense fault gouge>>

<<Struc: 58.7 - 58.9 intense fault gouge>>

**59.13 62.03 T10 Mafic Dyke**  
**62.03 62.79 T2 Basalt - Altered**  
**62.79 63.86 T2 Basalt - Altered**

<<Vein: 63 - 63.15 Quartz>>

**63.86 73.00 T1 Basalt**  
**73.00 74.70 T2 Basalt - Altered**  
**74.70 75.30 T5 Quartz Vein**

<<Vein: 74.7 - 75.3 Quartz>> Likely extensional but too fractured to classify

**75.30 78.33 T2 Basalt - Altered**  
**78.33 80.47 T2 Basalt - Altered**  
**80.47 82.07 T2 Basalt - Altered**  
**82.07 92.96 T1 Basalt**

<<Struc: 85 - 91.81 moderate shear 38 deg. >> Ductile shear zone that has been reactivated with later faulting. Taurus Thrust pick.

**92.96 100.30 T2 Basalt - Altered**  
**100.30 106.68 T1 Basalt**

**End of Hole @ 106.68**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
56.69	57.30	0.61	149880	0.69				
62.79	63.86	1.07	149881	1.58				
66.90	67.67	0.77	149882	1.92				
74.37	75.90	1.53	149883	0.38				
78.33	80.47	2.14	149884	0.96				

# Drill Log

**Project:** Cassiar **Hole Number:** 94-47

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By: Margot McKeown
Grid:	Hole Diameter:	Survey By:	Date Started:
UTM Easting	Core Size:	Azimuth:	Date Completed:
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 65.63	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			
Re-log			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>3.40</b>	<b>OVB Overburden</b>									
<b>3.40</b>	<b>11.95</b>	<b>T1 Basalt</b>									
<b>11.95</b>	<b>12.40</b>	<b>T2 Basalt - Altered</b>									
<<Alt: 11.95 - 12.4 weak Silicification >>											
<<Alt: 11.95 - 12.4 intense Ankerite>>											
<<Struc: 11.95 - 12.4 shear 55 deg. >> Weak shear fabric											
<b>12.40</b>	<b>20.00</b>	<b>T1 Basalt</b>									
<b>20.00</b>	<b>21.05</b>	<b>T2 Basalt - Altered</b>	20.57	22.10	1.53	149912	4.18				
<<Min: 20 - 20.78 3% pyrite>>											
<<Alt: 20 - 20.78 strong Ankerite>>											
<<Vein: 20.73 - 21.05 Quartz>> Brecciated Quartz Vein											
<b>21.05</b>	<b>23.27</b>	<b>T2 Basalt - Altered</b>	22.10	23.62	1.52	149913	2.85				
<<Min: 21.05 - 23.16 4% pyrite>>											
<<Alt: 21.05 - 23.16 strong Ankerite>>											
<<Vein: 23.16 - 23.27 Quartz>> Extensional quartz vein											
<b>23.27</b>	<b>26.42</b>	<b>T1 Basalt</b>									
23.27 - 26.42: Weak AK alteration, slight crackle breccia texture											

# Drill Log

Project:

Cassiar

Hole Number:

94-47

From (m) To (m) Rocktype & Description

**26.42 27.16 T2 Basalt - Altered**

<<Min: 26.42 - 27 7% pyrite>>

<<Alt: 26.42 - 27 strong Ankerite>>

<<Vein: 27 - 27.16 Quartz>>

**27.16 29.80 T2 Basalt - Altered**

<<Min: 27.16 - 29.8 5% pyrite>>

<<Alt: 27.16 - 29.8 strong Ankerite>>

**29.80 30.16 T5 Quartz Vein**

<<Vein: 29.8 - 30.16 Quartz 50 deg. >> Extensional quartz veins

**30.16 32.88 T2 Basalt - Altered**

<<Min: 30.16 - 32.64 3% pyrite>>

<<Alt: 30.16 - 32.64 strong Ankerite>>

<<Vein: 32.64 - 32.88 Quartz>> Unclassified quartz vein

**32.88 33.60 T2 Basalt - Altered**

<<Min: 32.88 - 33.37 3% pyrite>>

<<Alt: 32.88 - 33.37 weak White mica (Sericite)>>

<<Alt: 32.88 - 33.37 moderate Ankerite>>

<<Vein: 33.37 - 33.6 Quartz>> Shear quartz vein

**33.60 39.53 T2 Basalt - Altered**

<<Min: 33.6 - 39.53 2% pyrite>>

<<Alt: 33.6 - 39.53 moderate Ankerite>>

**39.53 40.18 FLT Fault, Fault Zone**

39.53 - 40.18: Late fault, 60% flg

<<Struc: 39.53 - 40.18 strong fault gouge 80 deg. >>

**40.18 41.52 T2 Basalt - Altered**

<<Alt: 40.18 - 41.52 moderate Ankerite>>

**41.52 46.65 T1 Basalt**

**46.65 47.13 T2 Basalt - Altered**

<<Min: 46.65 - 47.13 4% pyrite>>

<<Alt: 46.65 - 47.13 moderate Ankerite>>

**47.13 47.48 T5 Quartz Vein**

<<Vein: 47.13 - 47.48 Quartz 75 deg. >> Quarz vein, possibly extensional

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
26.52	28.35	1.83	149914	5.45				

28.35	29.87	1.52	149915	1.71				
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29.87	31.39	1.52	149916	0.72				
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31.39	32.92	1.53	149917	0.93				
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32.92	33.83	0.91	149918	0.89				
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33.83	35.51	1.68	149919	1.95				
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35.51	36.58	1.07	149920	0.89				
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39.62	40.23	0.61	149921	1.06				
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46.86	47.85	0.99	149922	1.3				
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# Drill Log

Project:

Cassiar

Hole Number:

94-47

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
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**47.48 48.40 T2 Basalt - Altered**

<<Min: 47.48 - 48.4 3% pyrite>>

<<Alt: 47.48 - 48.4 moderate Ankerite>>

**48.40 51.75 T1 Basalt**

**51.75 55.00 T2 Basalt - Altered**

<<Alt: 51.75 - 55 moderate Ankerite>>

**55.00 56.00 T5 Quartz Vein**

<<Vein: 55 - 56 Quartz 45 deg. >> Extensional quartz vein, crisp margins, fractured in zones.

**56.00 56.40 T2 Basalt - Altered**

**56.40 60.00 T10 Mafic Dyke**

56.4 - 60: Chilled margins, 4% 1mm biotite, moderately magnetic, ~0.5% py

<<Min: 56.4 - 60 0.5% pyrite>>

**60.00 61.00 T5 Quartz Vein**

<<Vein: 60 - 61 Quartz 30 deg. >> Likely a shear vein

<<Struc: 60 - 60 contact 30 deg. >>

**61.00 61.70 FLT Fault, Fault Zone**

61 - 61.7: Largely comprised of T2 with small quartz veins that have not been faulted

<<Struc: 61.02 - 61.7 moderate fault 60 deg. >>

**61.70 62.00 T2 Basalt - Altered**

<<Min: 61.7 - 62 3% pyrite>>

<<Alt: 61.7 - 62 strong Ankerite>>

**62.00 65.63 T1 Basalt**

62 - 65.63: Weakly fractured throughout. Minor clay alteration and pervasive, intense carbonate alteration.

<<Alt: 62 - 65.63 moderate Clay>>

<<Alt: 62 - 65.63 strong Fe-Carbonate>> pervasive

<<Struc: 64.73 - 65.45 moderate fault gouge>>

**End of Hole @ 65.63**

54.25	57.68	3.43	149923	1.51
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## Drill Log

**Project:** Cassiar **Hole Number:** 94-48

Prospect:	Taurus	Hole Type:		Survey Type:	GPS	Logged By:	Margot McKeown
Grid:		Hole Diameter:		Survey By:		Date Started:	04/08/2012
UTM Easting		Core Size:		Azimuth:		Date Completed:	
UTM Northing:		Casing Pulled?:	<input type="checkbox"/>	Dip:		Drill Company:	
UTM Elev. (m):		Casing Depth (m):		Length (m):	63.7	Drill Rig:	
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title		Drill Started:	
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	
Local Elev. (m):							
Comments:							
Re-log (quick)							

### Downhole Surveys:

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>3.05</b>	<b>OVB Overburden</b>									
<b>3.05</b>	<b>5.58</b>	<b>T2 Basalt - Altered</b>	3.05	4.27	1.22	149891	0.86				
3.05 - 5.58: Some is likely not bedrock.											
<<Min: 3.05 - 5.58 6% pyrite>>											
			4.27	5.49	1.22	149892	1.17				
<<Min: 3.05 - 5.58 0.5% arsenopyrite>>											
<b>5.58</b>	<b>5.92</b>	<b>T5 Quartz Vein</b>	5.49	6.71	1.22	149893	4.08				
<<Vein: 5.58 - 5.92 Quartz 60 deg. >> Quartz with trace pyrite. Likely a shear vein but it's not very clear.											
<b>5.92</b>	<b>7.50</b>	<b>T2 Basalt - Altered</b>									
5.92 - 7.5: Moderate ankerite with possibly weak sericite alteration. There is a gradational decrease in alteration downhole, away from the vein margin. The unit has a slight carbonaceous crackle breccia texture.											
<b>7.50</b>	<b>11.20</b>	<b>T1 Basalt</b>									
<b>11.20</b>	<b>20.32</b>	<b>T2 Basalt - Altered</b>	13.18	14.71	1.53	149894	4.87				
11.2 - 20.32: Highly ankerite altered pillow basalt.											
<<Min: 11.85 - 14 6% pyrite>> Medium to fine euhedral pyritohedrons.											
			16.67	17.53	0.86	149895	5.07				
<<Min: 14 - 14.25 7% pyrite>> Banded											
			19.35	20.12	0.77	149896	4.56				
<<Min: 14.25 - 14.7 6% pyrite>> Medium to coarse euhedral											
<<Min: 17.13 - 17.44 5% pyrite>>											

# Drill Log

Project:

Cassiar

Hole Number:

94-48

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<<Min: 19.6 - 20.25 5% pyrite>> Medium, euhedral pyrite focused around a cm scale qtz vein <<Vein: 14 - 14.25 Quartz 60 deg. >> Quartz vein with banded pyrite comprising ~8% of the vein. The banding may indicate that it is a shear vein. <<Vein: 16.91 - 17.21 Quartz 80 deg. >> Quartz vein with pyrite bands and blebs that are almost stylolitic. Likely a shear vein. <<Vein: 19.86 - 19.9 Quartz 60 deg. >> Extensional qtz vein											
<b>20.32</b>	<b>24.50</b>	<b>T1 Basalt</b>									
<b>24.50</b>	<b>28.00</b>	<b>T2 Basalt - Altered</b>									
<b>28.00</b>	<b>28.58</b>	<b>FLT Fault, Fault Zone</b>									
28 - 28.58: Healed quartz breccia zone with abundant alteration. Possible shear zone however it's difficult to determine if movement was only late and not related to the Taurus Thrust.											
<b>28.58</b>	<b>29.47</b>	<b>T2 Basalt - Altered</b>									
<b>29.47</b>	<b>36.77</b>	<b>T1 Basalt</b>	<b>green</b>	<b>MG</b>							
29.47 - 36.77: Slightly more coarse grain than most of the local basalts however still displays pillow textures.											
<b>36.77</b>	<b>37.98</b>	<b>T2 Basalt - Altered</b>									
36.77 - 37.98: Moderate to intense ankerite and clay alteration associated with a cm scale quartz vein. Slight pink tint in zones.											
<<Min: 36.77 - 37.98 2% pyrite>>											
<<Vein: 37.25 - 37.29 Quartz>> Too fractured to determine vein type or angle to core axis.											
<b>37.98</b>	<b>42.74</b>	<b>T1 Basalt</b>	<b>green</b>	<b>MG</b>							
37.98 - 42.74: Medium grain basalt.											
<b>42.74</b>	<b>51.90</b>	<b>T2 Basalt - Altered</b>									
42.74 - 51.9: Moderate to strong ankerite alteration. Cut by several quartz-pyrite veins. There is a slight shear fabric at the lower contact.											
<<Min: 42.74 - 43.6 5% pyrite>>											
<<Min: 46.65 - 46.8 7% pyrite>>											
<<Min: 46.8 - 47.95 10% pyrite>> Banded within the vein.											
<<Min: 47.95 - 48.94 7% pyrite>>											
<<Min: 48.94 - 50.29 1% pyrite>>											
<<Min: 50.29 - 50.6 4% pyrite>>											
<<Vein: 43.4 - 43.45 Quartz>> Completely fractured quartz vein											

## Drill Log

Project:

Cassiar

Hole Number:

94-48

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<<Vein: 46.8 - 47.95 Quartz>> Likely a shear vein with abundant wall rock with pyrite within the vein, messy margins. Angle to core axis is difficult to determine, it may be parallel to core axis.											
<<Vein: 50.29 - 50.32 Quartz 80 deg. >> Quartz dolomite with pyrite along salvages.											
<b>51.90</b>	<b>55.20</b>	<b>T1 Basalt</b>									
<b>55.20</b>	<b>63.70</b>	<b>T2 Basalt - Altered</b>									
55.2 - 63.7: Variably altered basalt. Zones with intense pervasive ankerite and clay alteration with a crackle breccia texture. From 62.46-63.20 is a section that has not been ankerite altered and is more green with mm scale altered mafics visible. Possibly intrusive h			55.93	57.45	1.52	149930	0.82				
<<Min: 55.9 - 56.5 4% pyrite>> Fine disseminated and more coarse euhedral			59.28	60.50	1.22	149931	1.82				
<<Min: 59.26 - 62.3 5% pyrite>>											
<<Vein: 56.2 - 56.24 Quartz 60 deg. >> Quartz vein with crisp margins and one graphitic/pyrite stringer											
<<Vein: 59.9 - 60.15 Quartz>> Highly fractured quartz vein with pyrite strigers											
<b>End of Hole @ 63.7</b>											

# Drill Log

Project:

Cassiar

Hole Number:

94-58

Prospect: Taurus

Hole Type:

Survey Type: GPS

Logged By:

Grid:

Hole Diameter:

Survey By:

Date Started:

UTM Easting

Core Size:

Azimuth:

Date Completed:

UTM Northing:

Casing Pulled?:

Dip:

Drill Company:

UTM Elev. (m):

Casing Depth (m):

Length (m): 62.79

Drill Rig:

Local Easting:

Stored?:

Claims Title

Drill Started:

Local Northing:

Cemented?:

Work Place:

Drill Completed:

Local Elev. (m):

Comments:

Quick re-log

## Downhole Surveys:

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>30.20</b>	<b>T2 Basalt - Altered</b>	3.66	4.88	1.22	148057	0.1				
<<Min: 9.84 - 11.2 3% pyrite>> blebs			4.88	6.40	1.52	148058	0.96				
<<Min: 14.68 - 16.3 4% pyrite>>			6.40	7.93	1.53	148059	0.38				
<<Min: 16.48 - 20.12 1% pyrite>>			7.93	9.45	1.52	148060	1.13				
<<Min: 20.24 - 21.94 2% pyrite>>			9.45	10.98	1.53	148061	0.93				
<<Min: 23.05 - 23.17 2% pyrite>>			10.98	12.50	1.52	148062	1.1				
<<Alt: 0 - 30.2 moderate Ankerite>>			12.50	14.02	1.52	148063	0.07				
<<Alt: 23.17 - 30.2 moderate Graphite>>			14.02	15.55	1.53	148064	1.68				
<<Vein: 7.79 - 9.84 Quartz 40 deg. >> Possibly a shear vein, slight banding.			15.55	17.07	1.52	148065	2.37				
<<Vein: 16.3 - 16.48 Quartz 40 deg. >> Vein style can't be determined			17.07	18.60	1.53	148066	1.58				
<<Vein: 20.12 - 20.24 Quartz 60 deg. >> Shear vein, brecciated at upper contact.			18.60	20.12	1.52	148067	0.31				
<<Vein: 22.84 - 23.05 Quartz 80 deg. >> Shear vein, brecciated at upper contact.			20.12	21.65	1.53	148068	2.02				
<<Vein: 27.33 - 27.4 Quartz>> Possible shear breccia at upper contact			21.65	23.17	1.52	148069	1.3				
<<Vein: 29.4 - 29.43 Quartz 60 deg. >> Extensional, with fibrous margins. 2 % (2mm) tourmaline crystals.			23.17	24.70	1.53	148070	0.45				
			26.22	27.74	1.52	148072	0.14				
			27.74	29.27	1.53	148073	0.07				
<b>30.20</b>	<b>34.79</b>	<b>T1 Basalt</b>	31.40	31.75	0.35	21235	0.03				
<b>34.79</b>	<b>37.60</b>	<b>T2 Basalt - Altered</b>	35.37	36.89	1.52	148077	0.07				
<<Min: 36.35 - 36.42 1% tetrahedrite>> Within quartz vein			36.89	38.41	1.52	148078	0.31				

# Drill Log

Project:

Cassiar

Hole Number:

94-58

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<<Vein: 36.14 - 36.2 Quartz>> Extensional quartz vein with one bleb of oxidized tetrahedrite											
<<Vein: 36.35 - 36.42 Quartz 30 deg. >> Extensional quartz vein with several blebs of tetrahedrite and one crystal of sphalerite											
<b>37.60</b>	<b>40.80</b>	<b>T2 Basalt - Altered</b>	38.41	40.70	2.29	148079	0.86				
<<Min: 40 - 40.8 4% pyrite>>			40.70	42.38	1.68	148080	0.72				
<<Struc: 37.6 - 38.4 strong fault>>											
<b>40.80</b>	<b>42.20</b>	<b>T5 Quartz Vein</b>									
<<Vein: 40.8 - 42.2 Quartz 85 deg. >> Likely an extensional vein about parallel tca with several cm scale vugs. Void of mineralization.											
<b>42.20</b>	<b>49.75</b>	<b>T2 Basalt - Altered</b>	42.38	43.90	1.52	148081	1.06				
<<Min: 42.2 - 49.75 2% pyrite>>			49.70	49.95	0.25	21239	0.08				
<<Alt: 42.2 - 49.75 moderate Ankerite>>											
<b>49.75</b>	<b>62.79</b>	<b>T1 Basalt</b>	53.00	54.50	1.50	21243	0.03				
<b>End of Hole @ 62.79</b>											



# Drill Log

**Project:** Cassiar **Hole Number:** 94-74

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By: Jim Lehtinen
Grid:	Hole Diameter:	Survey By:	Date Started: 03/08/2012
UTM Easting	Core Size: NQ	Azimuth:	Date Completed: 03/08/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 99.1	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			
Re-log of old hole same number. Emphasis on T3 zones and QV's			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>7.90</b>	<b>OVB Overburden</b>									
<b>7.90</b>	<b>9.50</b>	<b>T2 Basalt - Altered</b>									
<<Alt: 7.9 - 9.6 moderate Ankerite>>											
<<Vein: 9.2 - 9.22 Quartz 35 deg. >>											
<<Vein: 9.4 - 9.42 Quartz 60 deg. >>											
<b>9.50</b>	<b>16.20</b>	<b>T1A Pillow Basalt</b>	13.41	17.99	4.58	149001	0.001				
<b>16.20</b>	<b>16.70</b>	<b>T2 Basalt - Altered</b>									
<<Alt: 16.2 - 17.1 moderate Ankerite>>											
<b>16.70</b>	<b>17.90</b>	<b>T1A Pillow Basalt</b>									
<b>17.90</b>	<b>18.70</b>	<b>T2 Basalt - Altered</b>	17.99	18.72	0.73	149002	0.001				
<<Alt: 18.1 - 18.7 moderate Ankerite>>											
<<Vein: 18.1 - 18.12 Quartz 60 deg. >>											
<b>18.70</b>	<b>24.50</b>	<b>T1 Basalt</b>	18.72	26.86	8.14	149003	0.001				
18.7 - 24.5: Minor T2 surrounding CA vein											
<<Vein: 20.5 - 20.54 Calcite 45 deg. >>											
<<Struc: 20 - 26.7 moderate Brecciated >> crackle bx											
<<Struc: 20.4 - 20.5 weak fault>> clay zone											

# Drill Log

Project:

Cassiar

Hole Number:

94-74

From (m) To (m) Rocktype & Description

**24.50 26.70 T2 Basalt - Altered**  
**26.70 28.70 T3 Pyritic Mineralised Zone**

<<Min: 26.7 - 28.7 7% pyrite>> vfg T3 Minnor euhedral PY with QZstrgrs

<<Alt: 26.7 - 28.7 strong Ankerite>>

<<Vein: 28.3 - 28.31 Quartz 60 deg. >>

**28.70 31.59 T1 Basalt**

**31.59 35.35 T3 Pyritic Mineralised Zone**

<<Min: 31.6 - 35.35 10% pyrite>> T3 vfg

<<Alt: 31.6 - 35.35 strong Ankerite>>

**35.35 51.20 T1 Basalt**

<<Min: 50.4 - 52 7% pyrite>> T3

<<Struc: 50.4 - 50.6 weak fault>> clay zone

<<Struc: 50.6 - 51.2 moderate Brecciated >> crackle bx

**51.20 52.00 T3 Pyritic Mineralised Zone**

<<Alt: 51.2 - 58.6 strong Ankerite>>

<<Alt: 51.2 - 58.6 weak Sericite>>

**52.00 52.60 T1 Basalt**

<<Min: 52.4 - 58.6 10% pyrite>> T3, vfg with minor eus commomly with stringers.

**52.60 58.60 T3 Pyritic Mineralised Zone**

<<Alt: 53.6 - 56.9 moderate Graphite>> Increased crackle BX

<<Struc: 53.6 - 56.9 strong Brecciated >> crackle bx

**58.60 69.70 T1 Basalt**

<<Struc: 63.8 - 63.9 moderate Sheared 30 deg. >>

**69.70 71.00 T2 Basalt - Altered**

<<Struc: 70 - 70.3 moderate Sheared 30 deg. >> with late ca veining

**71.00 73.10 T1 Basalt**

71 - 73.1: Coarse grained, possibly cg tuff

**73.10 77.20 T2 Basalt - Altered**

73.1 - 77.2: 40 cm at top of interval is T3

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
26.86	27.68	0.82	149004	1.78				
27.68	28.72	1.04	149005	0.31				
28.72	30.30	1.58	94142	0.001				
30.30	30.82	0.52	149006	1.58				
30.82	31.59	0.77	94143	0.001				
31.59	33.11	1.52	149007	2.81				
33.11	34.63	1.52	149008	3.87				
34.63	35.21	0.58	149009	3.57				
50.91	52.44	1.53	149010	0.48				
52.53	54.05	1.52	149011	2.88				
54.05	55.58	1.53	149012	2.91				
55.58	56.98	1.40	149013	2.23				
56.98	58.60	1.62	149014	2.19				
73.26	74.79	1.53	149015	1.47				

# Drill Log

Project:

Cassiar

Hole Number:

94-74

From (m)	To (m)	Rocktype & Description
----------	--------	------------------------

<<Min: 73.2 - 77.2 5% pyrite>> euhedral patchy PY, commonly aggregates.

<<Alt: 73.2 - 77.3 strong Ankerite>>

**77.20 78.00 T1 Basalt**

**78.00 79.50 NCOR No Core**

78 - 79.5: Removed for sample

<<Struc: 78 - 90 weak Sheared 30 deg. >> variable intensity shear foliation over entire interval

**79.50 99.10 T1 Basalt**

<<Struc: 97.5 - 98 moderate Fractured 50 deg. >> strong CL on frags. 40-60 TCA

**End of Hole @ 99.1**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
74.88	76.31	1.43	149016	0.55				
76.31	77.38	1.07	149017	3.57				



# Drill Log

**Project:** Cassiar **Hole Number:** 94-75

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By: Jim Lehtinen
Grid:	Hole Diameter:	Survey By:	Date Started: 04/08/2012
UTM Easting	Core Size: NQ	Azimuth:	Date Completed: 04/08/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 114.6	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			
Quick re-log with emphasis on T3, QV's and structure			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>5.80</b>	<b>OVB Overburden</b>									
<b>5.80</b>	<b>16.00</b>	<b>T2 Basalt - Altered</b>	8.48	9.24	0.76	149018	0.031				
5.8 - 16: Mod. Crackle BX											
			12.99	14.51	1.52	149019	0.031				
			14.51	16.01	1.50	149020	0.031				
<b>16.00</b>	<b>27.40</b>	<b>T1A Pillow Basalt</b>	19.36	23.63	4.27	149021	0.031				
<<Vein: 18.9 - 19 Quartz 20 deg. >>											
<<Struc: 19.4 - 21.4 moderate Brecciated >> Interpillow BX											
<<Struc: 27.1 - 27.11 weak Sheared 55 deg. >>											
<b>27.40</b>	<b>37.20</b>	<b>T2 Basalt - Altered</b>	27.44	28.96	1.52	149022	1.34				
27.4 - 37.2: St AK, crackle bx											
			28.96	30.49	1.53	149023	3.87				
<<Min: 27.4 - 34.5 7% pyrite>> strong to intense crackle BX with PY varying from 5-15%. Quartz-rich interval at 31.8 - 32.2m											
<<Struc: 27.4 - 34.5 intense Brecciated >> Crackle bx											
			30.49	31.46	0.97	149024	3.94				
			31.46	32.99	1.53	149025	2.88				
			32.99	34.51	1.52	149026	2.5				
			34.51	35.61	1.10	149027	0.14				
			35.61	37.26	1.65	149028	0.062				

# Drill Log

Project:

Cassiar

Hole Number:

94-75

From (m) To (m) Rocktype & Description

**37.20 43.30 T1 Basalt**  
**43.30 45.00 T3 Pyritic Mineralised Zone**

43.3 - 45: T3 vfg, numerous small fault slips

<<Min: 43.3 - 45 15% pyrite>> T3 as well as PY as veins and cement in fault. Quartz stringers in mineralized zone.

<<Struc: 43.3 - 43.31 contact 45 deg. >> Contact T1 & T3. Shear foliation

<<Struc: 44.05 - 44.13 fault breccia>> Healed pyritic bx in fault.

**45.00 53.20 T1A Pillow Basalt**

<<Struc: 45 - 45.02 weak fault 55 deg. >> Qz vein and fault

**53.20 53.50 T2 Basalt - Altered**

<<Struc: 53.2 - 53.4 moderate fault gouge>> Clay zone = fault?

**53.50 55.30 T2 Basalt - Altered**

53.5 - 55.3: Clay altered zone with minor graphite. Complete zone = Fault?

<<Struc: 53.5 - 55.3 fault>> complete interval = CY = fault?

**55.30 61.70 T2 Basalt - Altered**

55.3 - 61.7: Mod SI alt, weak AK

**61.70 64.50 T2 Basalt - Altered**

61.7 - 64.5: Extremely broken, CY, minor QZ

<<Struc: 61.7 - 61.8 fault>> CY

<<Struc: 61.8 - 64.4 strong Fractured>> Strong fracturing, QZ strgrs, CY alt.

**64.50 69.00 T2 Basalt - Altered**

64.5 - 69: weak AK, mod. SI alt, numerous

**69.00 85.50 T2 Basalt - Altered**

69 - 85.5: Weak AK, mod. SI alt

<<Vein: 85.4 - 85.45 Quartz 25 deg. >> Wall rock CA altered for 15 cm

**85.50 99.70 T1 Basalt**

85.5 - 99.7: Coarse grained unit. Looks like an altered cg volc or intrusive or cg tuff??? Mixed contact with fg tuffaceous volcanics above and below. Strong shear foliation throughout at approx 30TCA

<<Struc: 95.4 - 95.8 moderate Sheared 30 deg. >> Shearing over entire interval.

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
43.29	44.15	0.86	149029	2.06				
44.15	45.06	0.91	149030	2.19				

48.78	49.70	0.92	149031	0.031				
52.74	57.16	4.42	149032	0.031				

## Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**94-75**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>99.70</b>	<b>114.60</b>	<b>T1A Pillow Basalt</b>									
99.7 - 114.6: fg sheared and brecciated. At top of sequence. Well developed pillows, pillow bx and de-vitrification textures (quartz spheres) but not jasper. And non-magnetic. Weak SI, AK alt? pale GN.											
<b>End of Hole @ 114.6</b>											

# Drill Log

**Project:** Cassiar **Hole Number:** 94-79

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Jim Lehtinen
Grid:		Hole Diameter:		Survey By:		Date Started:	02/08/2012
UTM Easting		Core Size:	NQ	Azimuth:		Date Completed:	02/08/2012
UTM Northing:		Casing Pulled?:	<input type="checkbox"/>	Dip:		Drill Company:	
UTM Elev. (m):		Casing Depth (m):		Length (m):	120.7	Drill Rig:	
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title		Drill Started:	
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	
Local Elev. (m):							
Comments:	Re-log of old hole same name						

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>7.60</b>	<b>OVB Overburden</b>									
<b>7.60</b>	<b>18.30</b>	<b>T2 Basalt - Altered</b>	7.62	10.29	2.67	H137251	0.013	168	65	92	-2
<<Alt: 7.6 - 18.3 moderate Ankerite>> Gradational bottom contact and increased CL			10.29	12.96	2.67	H137252	-0.005	62	46	87	-2
<<Vein: 12.6 - 12.8 Quartz 40 deg. >>			12.96	14.96	2.00	H137253	-0.005	20	61	91	-2
<<Struc: 7.6 - 13.5 weak Brecciated >> Crackle BX in strongest AK alt			14.96	16.50	1.54	H137254	-0.005	4	56	97	-2
<b>18.30</b>	<b>24.40</b>	<b>T1 Basalt</b>	16.50	18.30	1.80	H137255	-0.005	3	58	94	-2
18.3 - 24.4: weak CL fractures			23.60	24.60	1.00	H137256	-0.005	4	66	78	-2
<<Struc: 24.2 - 24.3 strong Sheared 65 deg. >>											
<b>24.40</b>	<b>37.70</b>	<b>T2 Basalt - Altered</b>	24.60	26.13	1.53	H137257	0.027	77	51	87	-2
<<Min: 25.3 - 33.7 7% pyrite>> Some FD, Strongest PY with strongest crackle BX and carbon alt.26.1 - 29.9 and 31.7-33.3m. Weak QZ strgrs from 30.7 -33.2m			26.13	27.65	1.52	H137258	1.605	838	39	44	-2
<<Min: 35.7 - 37.7 3% pyrite>>			27.65	29.18	1.53	H137259	0.522	351	55	75	-2
<<Alt: 24.4 - 37.7 strong Ankerite>> variable crackle bx			29.18	30.70	1.52	H137260	1.535	979	56	62	-2
<<Vein: 26.3 - 26.33 Quartz>> 5% PY			30.70	32.23	1.53	H137261	2.81	1520	22	28	3
<<Struc: 24.4 - 37.7 moderate Brecciated >> crackle bx up to intense at 26.1 - 29.9.			32.23	33.75	1.52	H137262	2.54	1600	19	26	3
			33.75	35.27	1.52	H137263	0.033	71	80	115	-2
			35.27	36.80	1.53	H137264	1.7	787	56	76	-2

# Drill Log

Project:

Cassiar

Hole Number:

94-79

From (m) To (m) Rocktype & Description

**37.70 40.40 T1 Basalt**

37.7 - 40.4: Chlorite fractures

**40.40 43.20 T3 Pyritic Mineralised Zone**

40.4 - 43.2: Buff to tan with vfg diss py

<<Min: 40.4 - 43.2 7% pyrite>> vfg. Drab, med-light brown-grey core. PY difficult to see without lens

<<Alt: 40.4 - 43.2 moderate Ankerite>>

<<Struc: 40.8 - 40.81 weak Veining - fracture fill>> 2mm VFG pyrite stringer = part of T3?

**43.20 51.80 T1 Basalt**

**51.80 56.10 T2 Basalt - Altered**

51.8 - 56.1: very strong crackle bx

<<Alt: 51.8 - 56.1 strong Calcite>> carbon alteration strong in crackle bx

<<Struc: 54.3 - 54.5 moderate Sheared 25 deg. >> Strong crackle BX, with intensity producing strong carbon alteration

**56.10 63.70 T1 Basalt**

56.1 - 63.7: Strong CL fracture fill zone with earthy CL and broken core. Very strong alteration contact at 40TCA along 2mm CA vein at bottom of interval.

<<Struc: 56.1 - 62.5 moderate Veining - fracture fill>> chlorite veining and fracture fill commonly sub-parallel TCA

**63.70 66.80 T3 Pyritic Mineralised Zone**

63.7 - 66.8: Dominantly T3 with apparent overprint with EUS, which appears to eliminate vfg PY

<<Min: 63.7 - 71.9 7% pyrite>> Some EUS. Strongest T3 from 63.7-65.3, 68.7-71.6

<<Alt: 63.7 - 66.8 strong Ankerite>>

<<Alt: 63.7 - 66.8 moderate Sericite>>

<<Struc: 63.7 - 63.71 contact 40 deg. >> alteration contact and CA strgr

**66.80 67.40 T1 Basalt**

**67.40 71.90 T3 Pyritic Mineralised Zone**

<<Alt: 67.4 - 71.9 weak Sericite>>

<<Alt: 67.4 - 71.9 strong Ankerite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
36.80	37.71	0.91	H137265	2.4	1510	33	63	8
37.71	39.54	1.83	H137266	-0.005	4	71	81	-2
39.54	40.67	1.13	H137267	-0.005	5	66	95	-2
40.67	42.20	1.53	H137268	4.45	2670	55	46	19
42.20	43.20	1.00	H137269	6.08	3710	30	29	29
43.20	45.20	2.00	H137270	-0.005	7	71	64	-2
50.00	52.04	2.04	H137271	-0.005	2	78	58	-2
52.04	53.66	1.62	H137272	-0.005	3	70	60	-2
53.66	56.10	2.44	H137273	-0.005	22	91	87	-2
56.10	59.76	3.66	H137275	-0.005	-2	76	65	-2
59.76	61.75	1.99	H137276	-0.005	-2	63	60	-2
61.75	63.72	1.97	H137277	-0.005	-2	77	69	-2
63.72	65.24	1.52	H137278	1.345	1095	27	44	2
65.24	66.77	1.53	H137280	2.48	1495	7	23	-2
66.77	67.44	0.67	H137281	0.92	735	47	70	-2
67.44	68.63	1.19	H137282	0.367	113	46	347	-2
68.63	70.15	1.52	H137283	4.47	3250	22	28	8
70.15	71.89	1.74	H137284	6.46	3910	21	22	11
71.89	73.89	2.00	H137286	0.007	11	74	61	-2

# Drill Log

Project:

Cassiar

Hole Number:

94-79

From (m) To (m) Rocktype & Description

**71.90 86.00 T1 Basalt**

71.9 - 86: Fine and coarse grained as well as some primary flow/bed contacts?

<<Struc: 82 - 82.1 contact 35 deg. >> primary bedding of fine and coarse flows

**86.00 90.40 T3 Pyritic Mineralised Zone**

86 - 90.4: Very strong upper and lower alteration contacts. Upper at 50TCA, lower at 60TCA. Variable vfg diss PY (T3) as it appears to be overprinted by EUS PY and veining.

<<Min: 86 - 90.4 7% pyrite>> Dominantly FD, but also EUS. Where EUS/QV appears, FD diminishes.

<<Alt: 86 - 90.4 weak Sericite>>

<<Alt: 86 - 90.4 strong Ankerite>> Very sharp alt contacts at 50 & 60TCA

<<Struc: 86 - 86.01 contact 60 deg. >> alt contact

**90.40 91.30 T1 Basalt**

<<Struc: 90.4 - 90.41 contact 60 deg. >> alt contact

**91.30 93.50 T3 Pyritic Mineralised Zone**

<<Min: 91.3 - 93.5 5% pyrite>>

<<Alt: 91.3 - 93.5 weak Sericite>>

<<Alt: 91.3 - 93.5 strong Ankerite>>

**93.50 95.80 T1 Basalt**

**95.80 97.30 T3 Pyritic Mineralised Zone**

95.8 - 97.3: Variable T3 PY, sharp alteration contacts

<<Min: 95.8 - 97.3 7% pyrite>> Also Fracture fill

<<Alt: 95.8 - 97.3 strong Ankerite>>

<<Alt: 95.8 - 97.3 weak Sericite>>

**97.30 101.40 T1 Basalt**

**101.40 103.00 T3 Pyritic Mineralised Zone**

101.4 - 103: Sharp basal contact.

<<Min: 101.4 - 103 7% pyrite>>

<<Alt: 101.4 - 103 strong Ankerite>>

<<Alt: 101.4 - 103 weak Sericite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
73.89	76.31	2.42	H137287	0.01	6	75	58	-2

76.31	79.36	3.05	H137288	-0.005	3	79	61	-2
79.36	82.04	2.68	H137289	-0.005	4	73	53	-2
84.98	85.98	1.00	H137291	0.005	38	74	86	-2
85.98	87.50	1.52	H137292	1.905	1385	10	28	2
87.50	89.02	1.52	H137293	4.9	3560	25	21	15

89.02	90.40	1.38	H137295	4.03	3060	19	28	8
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90.40	91.31	0.91	H137296	0.005	22	86	61	-2
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91.31	92.84	1.53	H137297	3.16	2090	40	46	7
92.84	93.48	0.64	H137298	1.61	1200	95	60	7
93.48	95.82	2.34	H137300	-0.005	6	77	55	-2

95.82	97.29	1.47	H136314	1.635	1135	42	49	3
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97.29	99.29	2.00	H136315	-0.005	3	65	55	-2
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99.29	101.46	2.17	H136316	-0.005	2	72	45	-2
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101.46	103.56	2.10	H136317	1.72	1745	36	37	13
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# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**94-79**

From (m)      To (m)                      Rocktype & Description

<<Vein: 102.1 - 102.13 Quartz>>    Rare QV in T3 zone. PY as fracture fill.

**103.00 120.70 T1                      Basalt**

103 - 120.7: Strong CL fractured to 105.5m

<<Struc: 107.6 - 107.7 weak Foliated 40 deg. >>    weak shear foliation in cg T1

<<Struc: 108.2 - 111 strong Sheared 60 deg. >>    In part some appears to be fine and coarse beds.

**End of Hole @ 120.7**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
103.56	104.27	0.71	H136318	-0.005	6	73	51	-2
104.27	105.49	1.22	H136319	-0.005	2	70	49	-2
110.73	112.73	2.00	H136320	-0.005	-2	95	75	-2
115.55	120.70	5.15	94036	0.031				

# Drill Log

**Project:** Cassiar **Hole Number:** T95-04

Prospect:	Taurus	Hole Type:		Survey Type:	GPS	Logged By:	Jim Lehtinen
Grid:		Hole Diameter:		Survey By:		Date Started:	20/07/2012
UTM Easting		Core Size:	NQ	Azimuth:		Date Completed:	20/07/2012
UTM Northing:		Casing Pulled?:	<input type="checkbox"/>	Dip:		Drill Company:	
UTM Elev. (m):		Casing Depth (m):		Length (m):	215.19	Drill Rig:	
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title		Drill Started:	
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	
Local Elev. (m):							

**Comments:**

Re-log of old hole with emphasis on vein type. (shear?, extension?, not determined?) and alteration.

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>9.14</b>	<b>OVB Overburden</b>									
<b>9.14</b>	<b>14.50</b>	<b>T2 Basalt - Altered</b>	9.14	11.00	1.86	42089	0.003				
9.14 - 14.5: strongly broken, surface weathered with limonite, weak Qz rubble, pyritic											
			11.00	12.80	1.80	42090	0.395				
			12.80	14.00	1.20	42091	2.085				
			14.00	15.54	1.54	42092	0.885				
			15.54	17.07	1.53	42093	0.833				
<b>14.50</b>	<b>20.80</b>	<b>T2 Basalt - Altered</b>									
14.5 - 20.8: Strong AK alt with variable ehed. PY. Numerous ext qz strgrs. Largest QV 17.9-18.2 faulted upper contact 45 TCA											
			17.07	18.30	1.23	42094	0.803				
			18.30	19.80	1.50	42095	1.225				
			19.80	21.30	1.50	42096	2.695				
			21.30	22.86	1.56	42097	0.92				
<b>20.80</b>	<b>22.50</b>	<b>T5 Quartz Vein</b>									
20.8 - 22.5: EXT QV with PY as fracture fill , tr TT. Fault gouge at bottom contact for 20 cm.											
<b>22.50</b>	<b>26.50</b>	<b>T2 Basalt - Altered</b>	22.86	25.12	2.26	42098	0.618				
22.5 - 26.5: St AK alt with narrow ext QZ veins 45-55 TCA											



# Drill Log

Project:

Cassiar

Hole Number:

T95-04

From (m) To (m) Rocktype & Description

**26.50 27.50 T5 Quartz Vein**

26.5 - 27.5: Ext QV PY as frac fill near bottom contact

**27.50 43.10 T2 Basalt - Altered**

27.5 - 43.1: Strong AK alt with variable PY content up to 10%, commonly coarse PY-hedrons. Narrow ext veins common. @32m 5cm with fuchsite, @ 32.9 35TCA, @33.9 50, 60 TCA, @38.3 10cm,

**43.10 43.60 T5 Quartz Vein**

43.1 - 43.6: Broken QV, some PY, TT

**43.60 48.30 T2 Basalt - Altered**

43.6 - 48.3: Strg AK alt with PY 7-10%, cm scale ext veins

**48.30 49.10 T5 Quartz Vein**

48.3 - 49.1: Ext vein Coarse xtalline QZ, minor PY at vein margins

**49.10 80.30 T2 Basalt - Altered**

49.1 - 80.3: Strg AK alt with variable PY 0-10%, strongest PY in vein envelopes. EXT QV's at: 55.2 m, 15cm,55TCA; 62.2m 10cm; 64.6-65.2m; 66.2m, 10cm, 50TCA; 69.7-69.9m 60TCA; 70.6-70.8m; 75.0-75.4m, 75TCA; 79.4-79.6m, 65TCA

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
25.12	26.15	1.03	42099	0.488				
26.15	27.43	1.28	42100	0.143				
27.43	28.65	1.22	42101	1.215				

28.65	30.17	1.52	42102	0.118				
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30.17	32.13	1.96	42103	2.515				
32.13	33.53	1.40	42104	0.548				
33.53	35.17	1.64	42105	0.73				
35.17	36.88	1.71	42106	0.118				
36.88	38.25	1.37	42107	1.42				
38.25	39.50	1.25	42108	0.895				
39.50	40.45	0.95	42109	0.97				
40.45	41.45	1.00	42110	0.09				
41.45	42.98	1.53	42111	0.393				
42.98	44.13	1.15	42112	0.26				

44.13	45.42	1.29	42113	0.158				
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45.42	46.93	1.51	42114	0.878				
46.93	48.46	1.53	42115	0.775				
48.46	49.53	1.07	42116	0.17				

49.53	50.90	1.37	42117	0.003				
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50.90	52.42	1.52	42118	0.593				
52.42	53.94	1.52	42119	0.24				

# Drill Log

Project:

Cassiar

Hole Number:

T95-04

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
53.94	55.93	1.99	42120	0.46				
55.93	56.70	0.77	42121	0.065				
56.70	58.22	1.52	42122	0.18				
58.22	59.74	1.52	42123	0.57				
59.74	61.26	1.52	42124	0.165				
61.26	62.79	1.53	42125	0.488				
62.79	64.31	1.52	42126	0.558				
64.31	65.84	1.53	42127	0.573				
65.84	67.36	1.52	42128	0.393				
67.36	68.80	1.44	42129	0.208				
68.80	70.41	1.61	42130	0.458				
70.41	71.93	1.52	42131	0.455				
71.93	73.46	1.53	42132	0.015				
73.46	74.98	1.52	42133	0.453				
74.98	76.50	1.52	42134	0.588				
76.50	78.02	1.52	42135	0.453				
78.02	79.56	1.54	42136	1.05				
79.56	81.08	1.52	42137	0.21				

**80.30 80.40 SHZN Shear Zone**

80.3 - 80.4: or fault?? Gouge zone at vein top contact

**80.40 86.70 T5 Quartz Vein**

80.4 - 86.7: Sheared top and faulted bottom contacts. Internally the vein appears to be an extensional vein with QZ - coarsely xtalline, little structure, weak mineralization. Single 2cm patch of SP. Wall rock inclusions common.

81.08	82.60	1.52	42138	0.24
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82.60	84.12	1.52	42139	0.175
84.12	85.65	1.53	42140	0.255
85.65	87.17	1.52	42141	0.105
87.17	88.70	1.53	42142	0.75

**86.70 96.70 T2 Basalt - Altered**

86.7 - 96.7: Strg AK alt. Strong crackle BX near upper contact. Minor QZ EXT veins @:88.7-88.95m,30TCA; 90.0-90.22m; 90.6-91.2m, 65TCA

88.70	90.22	1.52	42143	0.31
90.22	92.42	2.20	42144	1.65
92.42	94.29	1.87	42145	0.42
94.29	95.49	1.20	42146	1.16

# Drill Log

Project:

Cassiar

Hole Number:

T95-04

From (m) To (m) Rocktype & Description

**96.70 98.20 T5 Quartz Vein**

96.7 - 98.2: EXT vn, PY at vein margins as frac. Fill.

**98.20 117.00 T2 Basalt - Altered**

98.2 - 117: Strg AK alt'n with EXT QV's @: 99.5-99.7m; 100.05-100.90, numerous veins @ 60TCA; 106.1-107.05; 108-108.15; 108.3-108.5.

**117.00 118.40 T5 Quartz Vein**

117 - 118.4: EXT vein. white bull QZ tr sx

**118.40 122.80 T2 Basalt - Altered**

118.4 - 122.8: Mod-strong AK altered. PY variable up to 5%

**122.80 126.30 T1 Basalt**

122.8 - 126.3: Gradational contact with AK alt above and below.

**126.30 128.40 T2 Basalt - Altered**

126.3 - 128.4: Mod-strg AK, increasing PY content

**128.40 129.00 T5 Quartz Vein**

128.4 - 129: Weak PY, EXT vn 55TCA

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
95.49	97.02	1.53	42147	0.295				
97.02	98.58	1.56	42148	0.025				

98.58	100.12	1.54	42149	0.275				
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100.12	101.68	1.56	42150	0.42				
101.68	103.33	1.65	42151	0.02				
103.33	105.16	1.83	42152	0.03				
105.16	107.02	1.86	42153	0.515				
107.02	108.50	1.48	42154	0.58				
108.50	110.34	1.84	42155	0.525				
110.34	111.87	1.53	42156	0.003				
111.87	113.50	1.63	42157	0.003				
113.50	114.95	1.45	42158	0.003				
114.95	116.34	1.39	42159	1.855				
116.34	117.74	1.40	42160	0.658				
117.74	119.27	1.53	42161	0.593				

119.27	121.19	1.92	42162	0.325				
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121.19	122.53	1.34	42163	0.005				
122.53	124.05	1.52	42164	0.003				
124.05	125.88	1.83	42165	0.003				

125.88	127.71	1.83	42166	0.003				
127.71	129.84	2.13	42167	0.705				

# Drill Log

Project:

Cassiar

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From (m) To (m) Rocktype & Description

**129.00 139.60 T2 Basalt - Altered**

129 - 139.6: Strg AK alt with CH on numerous fracture surfaces. Variable PY 0-10 %, overall 3%. EXT vn 131.6-132.0, erratic contact

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
129.84	131.37	1.53	42168	0.165				

131.37	132.89	1.52	42169	0.44				
132.89	133.80	0.91	42170	0.485				
133.80	135.21	1.41	42171	0.065				
135.21	136.55	1.34	42172	0.028				
136.55	138.35	1.80	41273	0.248				
138.35	139.60	1.25	42174	1.43				
139.60	141.18	1.58	42175	0.085				

**139.60 143.10 T5 Quartz Vein**

139.6 - 143.1: Coarse xtalline QZ with weak stylolite at top contact. Weak PY as fracture fill. Bottom contact =weak fault.

141.18	142.65	1.47	42176	0.03				
142.65	144.11	1.46	42177	0.36				
144.11	145.69	1.58	42178	2.07				

**143.10 144.70 T2 Basalt - Altered**

143.1 - 144.7: Quartz stringered and strongly AK altered PY 10%. Brecciated vein at bottom contact

145.69	147.22	1.53	42179	2.24				
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**144.70 148.40 T2 Basalt - Altered**

144.7 - 148.4: Very strongly altered and brecciated. Becoming increasingly crackle brecciated toward bottom into weak shear.

147.22	148.37	1.15	42180	0.718				
148.37	149.66	1.29	42181	0.34				
149.66	151.18	1.52	42182	0.725				

**148.40 187.15 T5 Quartz Vein**

148.4 - 187.15: Highly variable QV both texturally and mineralization. Zones of numerous AK altered, pyritic wall rock inclusions as well as bull quartz veining. Minor stylolites. PY increases towards base of interval where fractures are filled with c.g. PY. Bottom conta

151.18	152.70	1.52	42183	0.87				
152.70	154.23	1.53	42184	0.473				
154.23	155.75	1.52	42185	0.145				
155.75	157.28	1.53	42186	0.385				
157.28	158.80	1.52	42187	0.558				
158.80	160.32	1.52	42188	0.543				
160.32	161.85	1.53	42189	0.11				
161.85	163.37	1.52	42190	0.715				
163.37	164.90	1.53	42191	0.235				

# Drill Log

Project:

Cassiar

Hole Number:

T95-04

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
164.90	166.42	1.52	42192	0.19				
166.42	167.94	1.52	42193	0.785				
167.94	169.47	1.53	42194	0.29				
169.47	170.99	1.52	42195	0.015				
170.99	172.52	1.53	42196	2.805				
172.52	174.04	1.52	42197	0.77				
174.04	175.56	1.52	42198	0.513				
175.56	177.09	1.53	42199	0.493				
177.09	178.92	1.83	42200	0.005				
178.92	180.44	1.52	42201	0.01				
180.44	181.66	1.22	42202	0.015				
181.66	183.18	1.52	42203	0.02				
183.18	184.71	1.53	42204	0.125				
184.71	186.23	1.52	42205	1.72				
186.23	187.76	1.53	42206	0.545				
187.76	190.80	3.04	42387	0.003				
190.80	192.80	2.00	42388	0.003				
192.80	194.80	2.00	42389	0.003				
194.80	196.80	2.00	42390	0.003				
196.80	198.80	2.00	42391	0.003				
198.80	200.80	2.00	42392	0.003				
200.80	202.80	2.00	42393	0.003				
202.80	203.30	0.50	42394	0.003				
203.30	204.80	1.50	21249	0.015				
204.80	206.40	1.60	21251	0.015				
206.40	207.90	1.50	21252	0.015				
207.90	209.40	1.50	21253	0.015				
209.40	210.40	1.00	21254	0.015				
210.40	211.90	1.50	21255	0.015				
211.90	213.40	1.50	21256	0.015				
213.40	214.93	1.53	21257	0.015				

**187.15 203.30 T1 Basalt grey-green**

187.15 - 203.3: Extremely faulted/broken core with strong chlorite/calcite stringers. Crackle Bx throughout.

**203.30 214.93 5DD Argillite**

203.3 - 214.93: Black, extremely faulted and fault polished, common fault planes at 10-25TCA.

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**T95-04**

From (m)      To (m)                      Rocktype & Description

**214.93   215.19   SHZN      Shear Zone**

214.93 - 215.19: Shear foliation at 35TCA in Strong AK alt'd volc. Cut by late fault similar to argillite faulting above at 30TCA (xcutting shear fabric).

**End of Hole @ 215.19**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
214.93	215.19	0.26	21258	0.015				

# Drill Log

**Project:** Cassiar **Hole Number:** T95-13

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Jim Lehtinen
Grid:		Hole Diameter:		Survey By:		Date Started:	26/07/2012
UTM Easting		Core Size:	NQ	Azimuth:		Date Completed:	28/07/2012
UTM Northing:		Casing Pulled?:	<input type="checkbox"/>	Dip:		Drill Company:	
UTM Elev. (m):		Casing Depth (m):		Length (m):	329.3	Drill Rig:	
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title		Drill Started:	
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	
Local Elev. (m):							
Comments:							

Re-log of old hole. Examine 2 potentiil thrust faults at 250.3 and 308.3m. Talc listwanite at basal thrust. Strong disseminated PY alteration carrying gram-multi-gram AU, unlike coarse euhedral PY.

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>7.10</b>	<b>OVB Overburden</b>	6.90	8.00	1.10	43101	0.2				
<b>7.10</b>	<b>11.10</b>	<b>T2 Basalt - Altered</b>	8.00	9.00	1.00	43102	0.06				
7.1 - 11.1: Top portion strg MS gradational lower contact											
<<Alt: 7.1 - 11.7 weak Sericite>> grading out towards bottom of interval											
<<Alt: 7.1 - 11.7 strong Ankerite>> grading to weak as gradational lower contact											
			9.00	10.00	1.00	43103	0.003				
			10.00	11.00	1.00	43104	0.003				
			11.00	11.70	0.70	43105	0.003				
<b>11.10</b>	<b>17.90</b>	<b>T1 Basalt</b>	11.70	13.20	1.50	T95-13_36904	0.015				
11.1 - 17.9: Gradational contact											
			13.20	14.70	1.50	T95-13_36905	0.015				
			14.70	16.20	1.50	T95-13_36906	0.015				
			16.20	17.50	1.30	T95-13_36907	0.015				
			17.50	18.00	0.50	43106	0.003				
			18.00	19.00	1.00	43107	0.003				
<b>17.90</b>	<b>23.70</b>	<b>T2 Basalt - Altered</b>	19.00	20.00	1.00	43108	0.003				
<<Min: 22.9 - 23.7 5% pyrite>>											
<<Min: 23.6 - 23.7 1% arsenopyrite>> Strong at vein margin											
<<Alt: 17.9 - 23.7 strong Ankerite>> gradational , intensifying towards Vein											
<<Alt: 18.4 - 20.3 strong Sericite>> Pale lime green											
			20.00	21.00	1.00	43109	0.003				
			21.00	22.00	1.00	43110	0.015				
			22.00	23.00	1.00	43111	0.135				

# Drill Log

Project:

Cassiar

Hole Number:

T95-13

From (m) To (m) Rocktype & Description

**23.70 24.10 T5 Quartz Vein**

<<Vein: 23.7 - 24.1 Quartz 10 deg. >> Poor sx in vein, strong in wall rock

**24.10 30.20 T2 Basalt - Altered**

24.1 - 30.2: Str AK

<<Min: 24.1 - 26.5 7% pyrite>> minor AS in fracture

<<Alt: 24.1 - 30.2 weak Sericite>> strongest in weaker AK alt zones with no PY.

<<Alt: 24.1 - 30.2 strong Ankerite>>

**30.20 30.50 T5 Quartz Vein**

<<Vein: 30.2 - 30.5 Quartz 40 deg. >>

**30.50 38.20 T2 Basalt - Altered**

30.5 - 38.2: gradational lower contact

<<Min: 30.5 - 32.9 3% pyrite>>

<<Min: 30.5 - 32.9 1% arsenopyrite>> euhedral AS, crs with PY.

<<Alt: 30.5 - 38.2 strong Ankerite>> Weakening down section, gradational contact with T1 below

<<Alt: 30.5 - 38.2 weak Sericite>>

<<Vein: 34.2 - 34.25 Quartz 40 deg. >> weak PY in wallrock

<<Struc: 35.8 - 38.1 Fractured>> chlorite fracture surfaces

**38.20 43.40 T1 Basalt**

<<Struc: 42.1 - 43.4 moderate Sheared 70 deg. >> stronger foliation and stretched frags at 42.7

**43.40 44.30 T2 Basalt - Altered**

<<Min: 43.4 - 44.3 5% pyrite>>

<<Alt: 43.4 - 44.3 strong Ankerite>>

**44.30 46.40 T5 Quartz Vein**

<<Vein: 44.3 - 46.4 Quartz>> Late fractures throughout. Possibly shear vein. Clay fault within and at bottom of vein.

**46.40 49.00 T2 Basalt - Altered**

<<Min: 46.4 - 47 10% pyrite>> v minor <1 cm ext. veins en echelon

<<Alt: 46.4 - 49 strong Ankerite>> decreasing intensity gradational lower contact

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
23.00	24.00	1.00	43112	2.38				
24.00	25.00	1.00	43113	0.81				
25.00	26.00	1.00	43114	0.82				
26.00	26.60	0.60	43115	1.23				
26.60	28.00	1.40	43116	0.003				
28.00	29.00	1.00	43117	0.003				
29.00	29.80	0.80	43118	0.01				
29.80	31.00	1.20	43119	0.46				
31.00	32.00	1.00	43120	0.86				
32.00	32.70	0.70	43121	1.15				
32.70	34.00	1.30	43122	0.065				
34.00	35.00	1.00	43123	0.225				
35.00	36.15	1.15	43124	0.003				
36.15	37.50	1.35	T95-13_36908	0.015				
37.50	39.00	1.50	T95-13_36909	0.015				
39.00	40.50	1.50	T95-13_36911	0.015				
40.50	42.00	1.50	T95-13_36912	0.015				
42.00	43.60	1.60	T95-13_36913	0.015				
43.60	45.00	1.40	43125	0.57				
45.00	46.00	1.00	43126	0.003				
46.00	47.00	1.00	43127	0.4				
47.00	47.50	0.50	43128	0.725				
47.50	49.00	1.50	43129	0.003				



# Drill Log

Project:

Cassiar

Hole Number:

T95-13

From (m) To (m) Rocktype & Description

**49.00 64.30 T1 Basalt**

49 - 64.3: Coarse grained. CH,CA throughout, possibly pillowed. Gradational lower contact into AK alt'n.

<<Struc: 55.6 - 55.9 fault breccia>> Breccia and gouge.

**64.30 80.70 T2 Basalt - Altered**

64.3 - 80.7: Pillow basalt. Jasper ooliths in weaker AK alteration from 72 to 78.4

<<Min: 64.3 - 68 3% pyrite>> weak extension vein zone. PY euhedral in altered basalt

<<Min: 80.2 - 80.7 7% pyrite>> PY hedrons

<<Alt: 64.3 - 72 strong Ankerite>>

<<Alt: 72 - 78.4 moderate Ankerite>>

<<Alt: 78.4 - 80.7 strong Ankerite>>

<<Vein: 64.3 - 68 Quartz 55 deg. >> 0% qz

**80.70 83.30 T5 Quartz Vein**

<<Vein: 80.7 - 83.3 Quartz 40 deg. >> Poor contacts. Broken upper, faulted bottom. Fault slip at bottom. Bull white QZ

**83.30 86.10 T1 Basalt**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
49.00	50.50	1.50	T95-13_36914	0.015				

50.50	52.00	1.50	T95-13_36915	0.015				
52.00	53.50	1.50	T95-13_36916	0.015				
53.50	55.00	1.50	T95-13_36917	0.015				
55.00	56.60	1.60	T95-13_36918	0.015				
56.60	58.20	1.60	T95-13_36919	0.015				
58.20	59.80	1.60	T95-13_36921	0.015				
59.80	61.10	1.30	T95-13_36922	0.015				
61.10	62.35	1.25	T95-13_36923	0.015				
62.35	63.40	1.05	36924	0.015				
63.40	64.35	0.95	36925	0.015				
64.35	65.00	0.65	43130	0.253				

65.00	66.00	1.00	43131	0.34				
66.00	67.00	1.00	43132	0.15				
67.00	67.90	0.90	43133	0.53				
67.90	69.00	1.10	43134	0.16				
69.00	70.00	1.00	43135	0.003				
70.00	71.00	1.00	43136	0.01				
71.00	72.00	1.00	43137	0.003				
72.00	73.00	1.00	43138	0.003				
73.00	74.00	1.00	43139	0.003				
74.00	75.00	1.00	43140	0.003				
75.00	76.00	1.00	43141	0.003				
76.00	77.00	1.00	43142	0.003				
77.00	78.40	1.40	43143	0.003				
78.40	79.00	0.60	43144	0.003				
79.00	80.00	1.00	43145	0.003				
80.00	80.70	0.70	43146	0.54				
80.70	82.00	1.30	43147	0.425				
82.00	83.50	1.50	43148	0.035				
83.50	84.00	0.50	43149	0.01				

# Drill Log

Project:

Cassiar

Hole Number:

T95-13

From (m) To (m) Rocktype & Description

**86.10 101.40 T2 Basalt - Altered**

86.1 - 101.4: AK

<<Min: 86.1 - 92 3% pyrite>>  
 <<Min: 86.1 - 92 1% arsenopyrite>>  
 <<Alt: 86.4 - 101.4 strong Ankerite>> Variable from moderate to strong AK. Increased alt parallel to veins. Increased SX with vein proximity  
 <<Vein: 86.8 - 86.95 Quartz>> Strong PY as aggregates= bands of semi-massive PY  
 <<Vein: 88.3 - 88.33 Pyrite>> Massive PY vn.  
 <<Vein: 90.3 - 90.5 Quartz>> PY, Trace TT  
 <<Vein: 96.6 - 96.75 Quartz>> Strong sx at contacts. Fracture fill PY  
 <<Vein: 97.4 - 97.5 Quartz 60 deg. >>

**101.40 112.40 T2 Basalt - Altered**

101.4 - 112.4: WK AK, CH fracture fill. Random core missing between 101.4 - 104.7

<<Alt: 101.4 - 112.4 weak Ankerite>> Chlorite fractures throughout interval

**112.40 128.30 T2 Basalt - Altered**

112.4 - 128.3: v strong AK

<<Min: 114 - 117 5% pyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
84.00	85.00	1.00	43150	0.003				
85.00	86.10	1.10	43151	0.003				
86.10	87.00	0.90	43152	2.52				
87.00	88.00	1.00	43153	0.89				
88.00	89.00	1.00	43154	3.22				
89.00	90.00	1.00	43155	0.093				
90.00	91.00	1.00	43156	3.71				
91.00	92.00	1.00	43157	0.392				
92.00	93.00	1.00	43158	0.003				
93.00	94.00	1.00	43159	0.003				
94.00	95.00	1.00	43160	0.003				
95.00	95.50	0.50	43161	0.003				
95.50	96.00	0.50	43162	0.405				
96.00	97.00	1.00	43163	0.945				
97.00	97.60	0.60	43164	1.46				
97.60	99.00	1.40	43165	0.003				
99.00	100.25	1.25	43166	0.003				
100.25	101.00	0.75	43167	0.003				
101.00	102.00	1.00	43168	0.003				
102.00	103.10	1.10	43169	0.003				
103.10	103.80	0.70	43170	0.01				
103.80	105.40	1.60	36926	0.015				
105.40	107.00	1.60	36927	0.015				
107.00	108.50	1.50	36928	0.015				
108.50	110.00	1.50	36929	0.015				
110.00	111.65	1.65	36931	0.015				
111.65	113.00	1.35	36932	0.015				
113.00	113.90	0.90	43171	0.003				
113.90	115.00	1.10	43172	0.625				

# Drill Log

Project:

Cassiar

Hole Number:

T95-13

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<<Min: 114 - 117		0.5% arsenopyrite>>	115.00	116.00	1.00	43173	1.07				
<<Min: 120 - 122		2% pyrite>>	116.00	117.40	1.40	43174	0.7				
<<Min: 120 - 123		1% arsenopyrite>>	117.40	118.00	0.60	43175	0.003				
<<Min: 124 - 124.5		2% pyrite>>	118.00	119.00	1.00	43176	0.003				
<<Min: 124 - 124.5		1% arsenopyrite>>	119.00	120.00	1.00	43177	0.003				
<<Alt: 112.4 - 128.3		strong Ankerite>> Increased alt with QZ strgrs. PY,AS variable %	120.00	121.00	1.00	43178	0.1				
<<Vein: 114.7 - 114.9		Quartz>> Shear vein Stylolitic,PY band at vein contacts. Gouge footwall	121.00	122.00	1.00	43179	0.185				
<<Vein: 114.9 - 116.5		Quartz>> Stockwork to erratic QV's with strong PY, tr AS	122.00	123.00	1.00	43180	0.003				
<<Vein: 120.4 - 120.7		Quartz>> Erratic Stringers with coarse AS, PY	123.00	124.00	1.00	43181	0.215				
<<Vein: 120.7 - 120.8		Quartz 30 deg. >> tr AS	124.00	125.00	1.00	43182	0.165				
<<Vein: 120.8 - 121.7		Quartz>> Weak stringers with euhedral AS to2 cm, PY to.5cm	125.00	126.00	1.00	43183	0.02				
<<Vein: 124.2 - 124.3		Quartz>> AS,PY STRONG IN WALL ROCK AT CONTACT	126.00	127.40	1.40	43184	0.2				
<<Vein: 126.3 - 126.4		Quartz>> Asin wallrock	127.40	128.00	0.60	43185	0.003				
<<Struc: 114.6 - 114.7		weak Sheared 30 deg. >> Minor QV below	128.00	129.55	1.55	36933	0.015				
<b>128.30 138.90 T1A</b>		<b>Pillow Basalt</b>	129.55	131.15	1.60	36934	0.015				
128.3 - 138.9: Choritic fractures											
<<Struc: 129.8 - 130.1		moderate Sheared>>	131.15	132.65	1.50	36935	0.015				
			132.65	134.15	1.50	36936	0.015				
			134.15	135.60	1.45	36937	0.015				
			135.60	137.20	1.60	36938	0.015				
			137.20	138.90	1.70	36939	0.015				
<b>138.90 154.60 T2</b>		<b>Basalt - Altered</b>	138.90	140.00	1.10	43186	0.79				
<<Min: 138.9 - 140.3		3% pyrite>>	140.00	141.00	1.00	43187	0.365				
<<Min: 141 - 142.5		5% pyrite>>	141.00	142.00	1.00	43188	1.17				
<<Alt: 139.9 - 148.7		strong Ankerite>>	142.00	143.00	1.00	43189	0.96				
<<Alt: 148.7 - 154.6		moderate Ankerite>>	143.00	144.00	1.00	43190	0.095				
<<Vein: 139.2 - 139.4		Quartz>> strong fracturing and ext. veining in wallrock	144.00	145.00	1.00	43191	0.41				
<<Vein: 141.4 - 141.7		Quartz>> Shear?	145.00	146.00	1.00	43192	0.05				
<<Struc: 139.9 - 148		Fractured>> Fault along CA with numerous quartz veins and breccia(healed with QZ) Strongest BX at 147.6	146.00	147.00	1.00	43193	0.04				
			147.00	148.00	1.00	43194	0.325				
			148.00	149.00	1.00	43195	1.09				
			149.00	150.00	1.00	43196	0.003				
			150.00	151.00	1.00	43197	0.003				

# Drill Log

Project:

Cassiar

Hole Number:

T95-13

From (m) To (m) Rocktype & Description

**154.60 163.30 T1 Basalt**

**163.30 166.70 T2 Basalt - Altered**

163.3 - 166.7: strong DO stringering

**166.70 175.10 T1 Basalt**

**175.10 179.60 T2 Basalt - Altered**

**179.60 181.10 T5 Quartz Vein**

<<Vein: 179.6 - 181.1 Quartz>> Ext vein with later Vein Bx zone xcutting

**181.10 188.10 T2 Basalt - Altered**

<<Min: 187.7 - 190.6 7% pyrite>>

<<Min: 187.7 - 190.6 0.5% arsenopyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
151.00	152.00	1.00	43198	0.003				
152.00	153.00	1.00	43199	0.003				
153.00	154.50	1.50	43200	0.045				
154.50	155.00	0.50	43201	0.275				
155.00	156.65	1.65	36941	0.015				
156.65	158.15	1.50	36942	0.015				
158.15	159.65	1.50	36943	0.015				
159.65	161.15	1.50	36944	0.015				
161.15	162.10	0.95	36945	0.015				
162.10	163.20	1.10	36946	0.015				
163.20	164.10	0.90	43202	0.003				
164.10	165.00	0.90	43203	0.003				
165.00	166.00	1.00	43204	0.05				
166.00	166.70	0.70	43205	0.003				
166.70	168.30	1.60	36947	0.015				
168.30	169.90	1.60	36948	0.015				
169.90	171.50	1.60	36949	0.015				
171.50	173.10	1.60	20401	0.015				
173.10	174.70	1.60	20402	0.015				
174.70	176.40	1.70	20403	0.015				
176.40	177.00	0.60	43206	0.003				
177.00	177.50	0.50	43207	0.003				
177.50	178.40	0.90	43208	0.01				
178.40	179.00	0.60	43209	0.615				
179.00	180.00	1.00	43210	0.27				
180.00	181.40	1.40	43211	0.22				
181.40	182.00	0.60	43212	0.04				
182.00	183.00	1.00	43213	0.003				
183.00	184.00	1.00	43214	0.003				
184.00	185.00	1.00	43215	0.003				
185.00	186.00	1.00	43216	0.003				

# Drill Log

Project:

Cassiar

Hole Number:

T95-13

From (m) To (m) Rocktype & Description

**188.10 189.20 T5 Quartz Vein**

<<Vein: 188.1 - 189.2 Quartz>> EXT?

**189.20 198.40 T2 Basalt - Altered**

<<Min: 197 - 202.3 3% pyrite>>

**198.40 198.80 T5 Quartz Vein**

<<Vein: 198.4 - 198.8 Quartz 15 deg. >>

**198.80 201.80 T2 Basalt - Altered**

<<Min: 201.7 - 201.8 15% pyrite>>

**201.80 202.10 T5 Quartz Vein**

<<Vein: 201.8 - 202.1 Quartz>> Narrow, with PY bands, fracture fill

**202.10 206.90 T2 Basalt - Altered**

202.1 - 206.9: end of box35

<<Min: 202.1 - 202.2 10% pyrite>>

**206.90 210.60 T1 Basalt**

206.9 - 210.6: V weak AK

**210.60 231.30 T2 Basalt - Altered**

<<Min: 210.6 - 213.9 0.07% pyrite>> PY hedrons to 3mm. Some FG diss.PY.

<<Min: 221 - 225.4 5% pyrite>> Combination of crse euhedral and patchy fg diss PY

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
186.00	187.00	1.00	43217	0.003				
187.00	187.70	0.70	43218	0.02				
187.70	189.00	1.30	43219	0.72				
189.00	190.00	1.00	43220	0.915				
190.00	191.00	1.00	43221	0.4				
191.00	192.00	1.00	43222	0.045				
192.00	193.00	1.00	43223	0.003				
193.00	194.00	1.00	43224	0.003				
194.00	195.00	1.00	43225	0.015				
195.00	196.00	1.00	43226	0.01				
196.00	197.35	1.35	43227	0.14				
197.35	198.00	0.65	43228	0.55				
198.00	199.00	1.00	43229	1.08				
199.00	199.70	0.70	43230	0.93				
199.70	201.00	1.30	43231	0.18				
201.00	202.30	1.30	43232	0.535				
202.30	203.30	1.00	43233	0.003				
203.30	204.85	1.55	20404	0.015				
204.85	206.35	1.50	20405	0.015				
206.35	207.85	1.50	20406	0.015				
207.85	209.20	1.35	20407	0.015				
209.20	210.60	1.40	20408	0.015				
210.60	212.00	1.40	43234	1.34				
212.00	213.00	1.00	43235	2.23				
213.00	213.80	0.80	43236	1.12				

# Drill Log

Project:

Cassiar

Hole Number:

T95-13

From (m) To (m) Rocktype & Description

<<Min: 225.4 - 227.2 10% pyrite>> some eus PY. 227.2 weak fault structure  
 <<Min: 227.2 - 231.3 10% pyrite>> Some FD  
 <<Struc: 227.2 - 228.7 weak Fractured 5 deg. >> Weak fracture along CA

**231.30 250.30 T3 Pyritic Mineralised Zone**

<<Min: 231.3 - 242.5 15% pyrite>> Dominantly FD, some EUS  
 <<Min: 242.5 - 250.3 10% pyrite>> Dominantly EUS, lesser FD.  
 <<Vein: 240.4 - 250.3 Dolomite>> DO unmineralized stockwork above thrust fault

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
213.80	215.00	1.20	43237	0.02				
215.00	216.00	1.00	43238	0.03				
216.00	217.00	1.00	43239	0.01				
217.00	218.00	1.00	43240	0.003				
218.00	219.00	1.00	43241	0.003				
219.00	220.45	1.45	43242	0.02				
220.45	221.00	0.55	43243	0.055				
221.00	222.00	1.00	43244	0.935				
222.00	223.00	1.00	43245	0.475				
223.00	224.00	1.00	43246	0.84				
224.00	225.00	1.00	43247	1.96				
225.00	226.00	1.00	43248	4.33				
226.00	227.00	1.00	43249	3.12				
227.00	228.00	1.00	43250	4.96				
228.00	229.00	1.00	43251	3.98				
229.00	230.00	1.00	43252	4.54				
230.00	231.10	1.10	43253	2.86				
231.10	232.00	0.90	43254	8.29				
232.00	233.00	1.00	43255	1.56				
233.00	234.00	1.00	43256	2.89				
234.00	235.00	1.00	43257	4.4				
235.00	236.00	1.00	43258	3.89				
236.00	237.00	1.00	43259	1.6				
237.00	238.20	1.20	43260	1.63				
238.20	239.00	0.80	43261	2.58				
239.00	240.00	1.00	43262	2.63				
240.00	241.00	1.00	43263	3.39				
241.00	242.00	1.00	43264	4.43				
242.00	242.80	0.80	43265	4.7				
242.80	244.00	1.20	43266	3.01				
244.00	245.00	1.00	43267	1.54				
245.00	246.00	1.00	43268	2.23				
246.00	247.00	1.00	43269	1.58				
247.00	248.00	1.00	43270	1.6				
248.00	249.00	1.00	43271	1.28				

# Drill Log

Project:

Cassiar

Hole Number:

T95-13

From (m) To (m) Rocktype & Description

**250.30 262.10 SHZ Shear Zone**

250.3 - 262.1: Thrust. Completely broken and composed of AK, carbon, Si altered basalt, phyllite and vein QZ. Rubble zone, Strong PY. Shear foliation at 45 TCA at upper contact. Minor talc in phyllite.

<<Min: 250.3 - 262.1 2% pyrite>> variable py in shear zone.

<<Struc: 250.3 - 262.1 intense shear 45 deg. >> Description in lithology. Foliation at top contact.

**262.10 271.70 T2 Basalt - Altered**

<<Min: 262.1 - 268.8 10% pyrite>> Dominantly EUS, minor FD. PY ending at chloritic fracture zones at gradational contact to weaker AK alt.

**271.70 287.00 T1 Basalt**

<<Struc: 277.2 - 277.4 moderate Fractured>> clay zone possibly weak fault

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
249.00	250.00	1.00	43272	0.59				
250.00	250.45	0.45	43273	2.44				
250.45	251.20	0.75	43274	0.445				

251.20	252.50	1.30	43275	0.12				
252.50	253.30	0.80	43276	0.335				
256.30	258.30	2.00	43277	0.05				
258.30	259.00	0.70	43278	2.16				
259.00	260.00	1.00	43279	0.835				
260.00	260.90	0.90	43280	0.67				
260.90	262.00	1.10	43281	0.71				
262.00	263.00	1.00	43282	0.385				
263.00	264.00	1.00	43283	0.455				
264.00	265.00	1.00	43284	0.435				

265.00	266.00	1.00	43285	0.72				
266.00	267.00	1.00	43286	0.34				
267.00	268.00	1.00	43287	0.425				
268.00	268.70	0.70	43288	0.82				
268.70	270.00	1.30	43289	0.035				
270.00	271.10	1.10	43290	0.155				
271.10	272.00	0.90	43291	0.003				
272.00	273.45	1.45	43292	0.003				
273.45	274.00	0.55	43293	0.003				
274.00	274.80	0.80	43294	0.003				
274.80	276.30	1.50	20409	0.015				
276.30	277.80	1.50	20411	0.015				
277.80	279.30	1.50	20412	0.015				
279.30	280.80	1.50	20413	0.015				
280.80	282.30	1.50	20414	0.015				
282.30	283.90	1.60	20415	0.015				
283.90	285.10	1.20	20416	0.015				
285.10	286.00	0.90	43295	0.003				

# Drill Log

Project:

Cassiar

Hole Number:

T95-13

From (m) To (m) Rocktype & Description

**287.00 300.40 T3 Pyritic Mineralised Zone**

287 - 300.4: Mod. Strg AK, mod MS

<<Min: 287.9 - 300.4 7% pyrite>> Minor FD PY

**300.40 308.30 T2 Basalt - Altered**

<<Min: 302.4 - 306 7% pyrite>>

**308.30 316.50 SHZ Shear Zone**

308.3 - 316.5: Very strongly foliated and contorted, phyllite composed of pale AK, light grey Talc, and PY = Listwanite, 7b

<<Min: 308.7 - 316.5 7% pyrite>> In Talc-AK schist =Listwanite

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
286.00	287.00	1.00	43296	0.003				
287.00	287.50	0.50	43297	0.003				

287.50	288.00	0.50	43298	0.63				
288.00	289.10	1.10	43299	0.375				
289.10	290.00	0.90	43300	1.93				
290.00	291.00	1.00	43301	2.29				
291.00	292.00	1.00	43302	0.342				
292.00	293.00	1.00	43303	2.21				
293.00	294.00	1.00	43304	2.93				
294.00	295.00	1.00	43305	2.6				
295.00	296.00	1.00	43306	1.89				
296.00	297.00	1.00	43307	1.15				
297.00	298.00	1.00	43308	0.405				
298.00	299.00	1.00	43309	0.175				
299.00	300.00	1.00	43310	0.54				
300.00	300.50	0.50	43311	0.31				
300.50	301.00	0.50	43312	0.003				
301.00	302.40	1.40	43313	0.027				
302.40	303.00	0.60	43314	1.16				
303.00	304.00	1.00	43315	1.51				
304.00	305.00	1.00	43316	0.81				
305.00	306.00	1.00	43317	1.09				
306.00	307.00	1.00	43318	0.12				
307.00	308.40	1.40	43319	0.41				
308.40	309.00	0.60	43320	0.035				

309.00	310.00	1.00	43321	0.095				
310.00	311.00	1.00	43322	0.095				
311.00	312.00	1.00	43323	0.07				
312.00	313.00	1.00	43324	0.055				
313.00	314.20	1.20	43325	0.125				
314.20	315.00	0.80	43326	0.3				



# Drill Log

Project:

Cassiar

Hole Number:

T95-13

From (m)    To (m)                      Rocktype & Description

**316.50   329.30   5DD            Argillite**

316.5 - 329.3: Strongly fractured, contorted beds at 50-70 TCA, strong fault polishing.

**End of Hole @ 329.3**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
315.00	316.00	1.00	43327	0.385				
316.00	317.00	1.00	43328	0.285				
317.00	318.00	1.00	43329	0.065				

318.00	319.00	1.00	43330	0.035				
319.00	321.25	2.25	20417	0.015				
321.25	324.00	2.75	20418	0.015				
324.00	329.30	5.30	20419	0.04				

# Drill Log

**Project:** Cassiar **Hole Number:** T95-45

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By:
Grid:	Hole Diameter:	Survey By:	Date Started: 02/08/2012
UTM Easting	Core Size: NQ	Azimuth:	Date Completed: 02/08/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 100.9	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

Re-log of historic Tuarus diamond hole. Pyritic (+arsenopyrite locally)-ankerite altered basalt units with minor extensional veining separated by greater lengths of un-altered mafics. Multiple brittle faulting events throughout hole, with a brittle-ductile

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>2.74</b>	<b>OVB Overburden</b>									
<b>2.74</b>	<b>9.50</b>	<b>T2 Basalt - Altered</b>	2.74	4.00	1.26	102292	0.003				
2.74 - 9.5: Weak to moderate patchy ankerite alteration.											
<<Min: 7.2 - 9.5 2% pyrite>>											
<<Alt: 3 - 5.2 strong Ankerite>>											
<<Alt: 5.2 - 7.2 moderate Ankerite>>											
<<Alt: 7.2 - 13.05 strong Ankerite>>											
<b>9.50</b>	<b>9.90</b>	<b>T5 Quartz Vein</b>									
9.5 - 9.9: White bull quartz extensional vein.											
<<Vein: 9.5 - 9.9 Quartz>>											
<b>9.90</b>	<b>13.05</b>	<b>T2 Basalt - Altered</b>	10.00	12.00	2.00	102296	0.79				
<<Min: 9.9 - 12.9 6% pyrite>>											
<<Vein: 11.6 - 11.7 Quartz>> ft brecciated.											
<b>13.05</b>	<b>15.20</b>	<b>T1 Basalt</b>	14.00	16.00	2.00	102298	2.11				
<<Alt: 13.05 - 15.2 weak Ankerite>>											
<b>15.20</b>	<b>16.30</b>	<b>T2 Basalt - Altered</b>	16.00	18.00	2.00	102299	0.003				

# Drill Log

Project:

Cassiar

Hole Number:

T95-45

From (m) To (m) Rocktype & Description

<<Min: 15.2 - 16.3 7% pyrite>>  
 <<Min: 15.7 - 15.8 1% arsenopyrite>> vein halo  
 <<Alt: 15.2 - 16.3 strong Ankerite>>  
 <<Vein: 15.75 - 15.76 Quartz 45 deg. >>

**16.30 23.00 T1 Basalt**

**23.00 24.20 T2 Basalt - Altered**

<<Min: 23 - 23.6 1% arsenopyrite>>  
 <<Min: 23 - 24 4% pyrite>>  
 <<Alt: 23 - 24.2 moderate Ankerite>>  
 <<Struc: 23.2 - 23.4 weak fault 5 deg. >>

**24.20 31.10 T1 Basalt**

**31.10 34.50 T2 Basalt - Altered**

<<Min: 31.1 - 34.4 5% pyrite>>  
 <<Min: 33.35 - 33.6 1% arsenopyrite>>  
 <<Alt: 31.1 - 34.4 strong Ankerite>>  
 <<Vein: 31.75 - 38 Quartz 50 deg. >>  
 <<Vein: 33.35 - 33.6 Quartz>>

**34.50 38.50 T1 Basalt**

**38.50 39.40 T2 Basalt - Altered**

<<Alt: 38.5 - 40 moderate Ankerite>>

**39.40 39.90 FLT Fault, Fault Zone**

39.4 - 39.9: Faulted and brecciated T2, calcite veining thin stockwork. 1-5mm breccia clasts in dark fault matrix.

<<Struc: 39.4 - 39.9 strong fault breccia 50 deg. >>

**39.90 41.75 T2 Basalt - Altered**

<<Min: 39.9 - 41.75 5% pyrite>>  
 <<Min: 39.9 - 41.75 1% arsenopyrite>>  
 <<Alt: 40 - 41.75 strong Ankerite>>

**41.75 60.20 T1 Basalt**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
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18.00	20.00	2.00	102300	0.003				
20.00	22.00	2.00	102301	0.003				
22.00	24.00	2.00	102302	0.853				
24.00	26.00	2.00	102303	0.003				

26.00	28.00	2.00	102304	0.003				
28.00	30.00	2.00	102305	0.003				
30.00	32.00	2.00	102306	0.825				
32.00	34.00	2.00	102307	3.59				
34.00	36.00	2.00	102308	1.032				

36.00	38.00	2.00	102309	0.003				
38.00	40.00	2.00	102310	0.23				

40.00	42.00	2.00	102311	1.79				
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42.00	44.00	2.00	102312	0.003				
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# Drill Log

Project:

Cassiar

Hole Number:

T95-45

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
44.00	46.00	2.00	102313	0.003				
46.00	48.00	2.00	102314	0.003				
48.00	50.00	2.00	102315	0.003				
50.00	52.00	2.00	102316	0.003				
52.00	54.00	2.00	102317	0.003				
54.00	56.00	2.00	102318	0.003				
56.00	58.00	2.00	102319	0.003				
58.00	60.00	2.00	102320	0.003				
60.00	62.00	2.00	102321	3.075				
62.00	64.00	2.00	102322	0.453				

**60.20 63.30 T2 Basalt - Altered**

60.2 - 63.3: Moderate Py & As min.

<<Min: 60.2 - 63.3 1% arsenopyrite>> 62.3m, banded/fract fill As

<<Min: 60.2 - 63.3 4% pyrite>>

<<Alt: 60.2 - 63.3 strong Ankerite>>

<<Vein: 62.9 - 62.91 Quartz 50 deg. >>

**63.30 70.35 T1 Basalt**

64.00	66.00	2.00	102323	0.003
66.00	68.00	2.00	102324	0.003
68.00	70.00	2.00	102325	0.003
70.00	72.00	2.00	102326	0.003

**70.35 71.00 FLT Fault, Fault Zone**

70.35 - 71: Iron oxidised, late calcite stockwork, thin qurts veins (5mm) and breccia and shearing along margins

<<Alt: 70.35 - 71 moderate Ankerite>>

<<Vein: 70.5 - 70.51 Quartz 55 deg. >>

<<Struc: 70.35 - 71 moderate fault 55 deg. >>

**71.00 79.80 T1 Basalt**

72.00	74.00	2.00	102327	0.01
74.00	76.00	2.00	102328	0.02
76.00	78.00	2.00	102329	0.035
78.00	80.00	2.00	102330	0.003
80.00	82.00	2.00	102331	0.325
82.00	84.00	2.00	102332	0.84

**79.80 82.90 T2 Basalt - Altered**

<<Min: 80.3 - 82.9 5% pyrite>>

<<Alt: 79.8 - 86.25 strong Ankerite>>

<<Vein: 82.25 - 82.3 Quartz 30 deg. >> brecciated dark quartz

<<Struc: 80.05 - 80.2 weak fault breccia>> brecciated quartz vein and minor t2

# Drill Log

Project:

Cassiar

Hole Number:

T95-45

From (m) To (m) Rocktype & Description

<<Struc: 82.6 - 82.75 weak Brecciated 60 deg. >> brecciated quartz vein

**82.90 83.30 T5 Quartz Vein**

82.9 - 83.3: Wall rock inclusions, euhedral pyrite

<<Vein: 82.9 - 83.3 Quartz 50 deg. >>

**83.30 86.25 T2 Basalt - Altered**

<<Min: 83.3 - 86.25 6% pyrite>>

<<Alt: 85.6 - 86 weak Sericite>> blebby, pale green/blue

**86.25 92.70 T1 Basalt**

<<Alt: 88.7 - 89.1 weak Ankerite>>

<<Alt: 92.5 - 93.3 weak Ankerite>>

<<Struc: 88.7 - 89 weak Foliated 40 deg. >>

**92.70 93.30 FLT Fault, Fault Zone**

92.7 - 93.3: Calcite veining/breccia with associated brick red alteration.

<<Struc: 92.7 - 93.2 moderate Brecciated >> calcite veining and bx

**93.30 97.00 T1 Basalt**

**97.00 97.70 FLT Fault, Fault Zone**

97 - 97.7: Light brown rock weak breccia, and minor shearing leading to intense breccia in lower 5cm consisting of 1-8mm basalt/quartz and graphite. Best candidate in hole for thrust zone.

<<Struc: 97 - 97.7 strong fault>>

**97.70 100.90 5B Chert**

97.7 - 100.9: Competant weakly bedded unit.

<<Struc: 99.3 - 99.4 moderate Bedded 45 deg. >>

**End of Hole @ 100.9**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
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84.00	86.00	2.00	102333	2.03				
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86.00	88.00	2.00	102334	0.06				
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88.00	90.00	2.00	102335	0.015				
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90.00	92.00	2.00	102336	0.003				
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92.00	94.00	2.00	102337	0.003				
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94.00	96.00	2.00	102338	0.003				
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96.00	98.00	2.00	102339	0.003				
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98.00	100.00	2.00	102340	0.003				
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100.00	100.90	0.90	102341	0.01				
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# Drill Log

**Project:** Cassiar **Hole Number:** T95-46

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Darcy Baker
Grid:		Hole Diameter:		Survey By:		Date Started:	10/06/2012
UTM Easting:		Core Size:		Azimuth:		Date Completed:	11/06/2012
UTM Northing:		Casing Pulled?:	<input type="checkbox"/>	Dip:		Drill Company:	
UTM Elev. (m):		Casing Depth (m):		Length (m):	185.8	Drill Rig:	
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title:		Drill Started:	
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	
Local Elev. (m):							
Comments:	Re-log of historic hole same name.						

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>3.05</b>	<b>9.33</b>	<b>T2 Basalt - Altered</b>	3.05	4.00	0.95	102342	1.99				
<<Alt: 3.05 - 9.33 moderate Ankerite>>			4.00	6.00	2.00	102343	0.41				
<<Vein: 6.9 - 7.12 Quartz 51 deg. >>			6.00	8.00	2.00	102344	1.87				
			8.00	10.00	2.00	102345	1.88				
<b>9.33</b>	<b>12.50</b>	<b>NCOR No Core</b>	10.00	12.00	2.00	102346	1.55				
			12.00	14.00	2.00	102347	0.34				
<b>12.50</b>	<b>94.27</b>	<b>T2 Basalt - Altered</b>	14.00	16.00	2.00	102348	2.72				
<<Min: 12.5 - 14.3 1% pyrite>>			16.00	18.00	2.00	102349	0.775				
<<Min: 14.3 - 27 2% pyrite>>			18.00	20.00	2.00	102350	0.97				
<<Min: 27 - 28.8 0.1% arsenopyrite>>			20.00	22.00	2.00	102351	0.015				
<<Min: 27 - 28.8 5% pyrite>>			22.00	24.00	2.00	102352	0.63				
<<Min: 28.8 - 39.62 1% pyrite>>			24.00	26.00	2.00	102353	1.42				
<<Min: 39.62 - 39.9 0.1% chalcopryite>>			26.00	28.00	2.00	102354	2.56				
<<Min: 39.62 - 39.9 0.1% tetrahedrite>>			28.00	30.00	2.00	102355	0.323				
<<Min: 39.62 - 39.9 0.1% sphalerite>>			30.00	32.00	2.00	102356	0.02				
<<Min: 39.62 - 40.7 5% pyrite>>			32.00	34.00	2.00	102357	1.48				
<<Min: 40.7 - 43.3 3% pyrite>>			34.00	36.00	2.00	102358	0.003				
<<Min: 43.3 - 55.6 2% pyrite>>			36.00	38.00	2.00	102359	0.003				
<<Min: 51.9 - 52 5% arsenopyrite>>			38.00	40.00	2.00	102360	0.8				

# Drill Log

Project:

Cassiar

Hole Number:

T95-46

From (m) To (m) Rocktype & Description

<<Min: 55.6 - 56.7 1% arsenopyrite>>  
 <<Min: 55.6 - 56.7 6% pyrite>>  
 <<Min: 56.7 - 67.6 1% pyrite>>  
 <<Min: 67.6 - 72 4% pyrite>>  
 <<Min: 72 - 94.27 0.5% pyrite>>  
 <<Alt: 12.5 - 14.3 weak Ankerite>>  
 <<Alt: 14.3 - 94.27 moderate Ankerite>>  
 <<Vein: 19.95 - 20 Quartz 35 deg. >>  
 <<Vein: 38.8 - 38.84 Quartz 48 deg. >> Extensional vein, sharper contain with fibrous quartz cryustaal growth perpendicular to contact.  
 <<Vein: 39.6 - 39.8 Quartz 47 deg. >> Lower contact irregular with boudinaging. Sulphides occure banded and grouped together.  
 <<Vein: 49.1 - 49.25 Quartz 44 deg. >> Irregular vein contact, suggesting possible shearing.  
 <<Vein: 70.05 - 70.45 Pyrite 36 deg. >> Irregular contact with localised inclusion of wall rock stylolites suggesting shear vein  
 <<Vein: 83.4 - 83.43 Quartz 27 deg. >> Sharp contacts.

**94.27 98.60 T10 Mafic Dyke**

**98.60 120.00 T2 Basalt - Altered**

<<Min: 98.6 - 106.7 0.5% pyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
40.00	42.00	2.00	102361	1.16				
42.00	44.00	2.00	102362	0.975				
44.00	46.00	2.00	102363	0.003				
46.00	48.00	2.00	102364	0.003				
48.00	50.00	2.00	102365	14.6				
50.00	52.00	2.00	102366	6.17				
52.00	54.00	2.00	102367	0.023				
54.00	56.00	2.00	102368	0.475				
56.00	58.00	2.00	102369	1.425				
58.00	60.00	2.00	102370	0.003				
60.00	62.00	2.00	102371	0.003				
62.00	64.00	2.00	102372	0.003				
64.00	66.00	2.00	102373	0.48				
66.00	68.00	2.00	102374	0.16				
68.00	70.00	2.00	102375	2.16				
70.00	72.00	2.00	102376	0.95				
72.00	74.00	2.00	102377	0.003				
74.00	76.00	2.00	102378	0.003				
76.00	78.00	2.00	102379	0.003				
78.00	80.00	2.00	102380	0.003				
80.00	82.00	2.00	102381	0.003				
82.00	84.00	2.00	102382	0.003				
84.00	86.00	2.00	102383	0.003				
86.00	88.00	2.00	102384	0.18				
88.00	90.00	2.00	102385	0.11				
90.00	92.00	2.00	102386	0.01				
92.00	94.00	2.00	102387	0.3				
94.00	96.00	2.00	102388	0.71				
96.00	98.00	2.00	102389	0.245				
98.00	100.00	2.00	102390	0.43				
100.00	102.00	2.00	102391	0.56				
102.00	104.00	2.00	102392	1.225				

# Drill Log

Project:

Cassiar

Hole Number:

T95-46

From (m) To (m) Rocktype & Description

<<Min: 106.7 - 110.5 3% pyrite>>  
 <<Min: 110.5 - 120 1% pyrite>>  
 <<Alt: 98.6 - 106.7 weak Ankerite>>  
 <<Alt: 106.7 - 110.5 moderate Ankerite>>  
 <<Alt: 110.5 - 120 weak Ankerite>>  
 <<Vein: 108 - 108.1 Quartz 20 deg. >> Sharp contact, lacking fibrous quartz growth.

**120.00 131.10 T1 Basalt**

**131.10 143.30 5B Chert**

**143.30 160.00 T1 Basalt**

**160.00 160.80 T1 Basalt**

160 - 160.8: Jasper unit at bottom of basalt. Sharp contact to Cherts.

red

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
104.00	106.00	2.00	102393	0.018				
106.00	108.00	2.00	102394	1.37				
108.00	110.00	2.00	102395	1.39				
110.00	112.00	2.00	102396	0.15				
112.00	114.00	2.00	102397	0.99				
114.00	116.00	2.00	102398	0.02				
116.00	118.00	2.00	102399	0.4				
118.00	120.00	2.00	102400	0.095				
120.00	122.00	2.00	102401	0.003				
122.00	124.00	2.00	102402	0.003				
124.00	126.00	2.00	102403	0.045				
126.00	128.00	2.00	102404	0.003				
128.00	130.00	2.00	102405	0.003				
130.00	132.00	2.00	102406	0.003				
132.00	134.00	2.00	102407	0.003				
134.00	136.00	2.00	102408	0.003				
136.00	138.00	2.00	102409	0.01				
138.00	140.00	2.00	102410	0.003				
140.00	142.00	2.00	102411	0.125				
142.00	144.00	2.00	102412	0.01				
144.00	146.00	2.00	102413	0.003				
146.00	148.00	2.00	102414	0.003				
148.00	150.00	2.00	102415	0.003				
150.00	152.00	2.00	102416	0.003				
152.00	154.00	2.00	102417	0.003				
154.00	156.00	2.00	102418	0.003				
156.00	158.00	2.00	102419	0.003				
158.00	160.00	2.00	102420	0.003				
160.00	162.00	2.00	102421	0.003				



# Drill Log

Project:

Cassiar

Hole Number:

T95-46

From (m)    To (m)                      Rocktype & Description

**160.80   185.80   5B                      Chert**

160.8 - 185.8: Chert unit exhibits distinct low angle (TCA) foliation and slip planes. Broken core. Interval 165 to 167m is a good candidate for location of possible lower thrust. Core is broken with a strong foliation fabric and high core loss. Extensional quartz vein

<<Struc: 172 - 172 strong Foliated 15 deg. >>

<<Struc: 179 - 179 strong Foliated 20 deg. >>

**End of Hole @ 185.8**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
162.00	164.00	2.00	102422	0.035				
164.00	166.00	2.00	102423	0.005				
166.00	168.00	2.00	102424	0.01				
168.00	170.00	2.00	102425	0.003				
170.00	172.00	2.00	102426	0.003				
172.00	174.00	2.00	102427	0.003				
174.00	176.00	2.00	102428	0.003				
176.00	178.00	2.00	102429	0.003				
178.00	180.00	2.00	102430	0.003				
180.00	182.00	2.00	102431	0.003				
182.00	184.00	2.00	102432	0.01				
184.00	185.80	1.80	102433	0.003				

# Drill Log

**Project:** Cassiar **Hole Number:** T95-47

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By:
Grid:	Hole Diameter:	Survey By:	Date Started: 26/07/2012
UTM Easting	Core Size: NQ	Azimuth:	Date Completed: 26/07/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 200	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			
Re-log of historic Tuarus Diamond hole.			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>9.40</b>	<b>OVB Overburden</b>	9.10	10.00	0.90	100844	0.04				
<b>9.40</b>	<b>10.20</b>	<b>T2 Basalt - Altered</b>	10.00	12.00	2.00	100845	0.325				
<b>10.20</b>	<b>11.60</b>	<b>T5 Quartz Vein</b>									
<<Vein: 10.2 - 11.6 Quartz>> quartz is split and broken, difficult determine contact types and angles. Likely thick extensional veins											
<b>11.60</b>	<b>19.80</b>	<b>T2 Basalt - Altered</b>	12.00	14.00	2.00	100846	0.02				
<<Min: 19 - 19.8 4% pyrite>>											
			14.00	16.00	2.00	100847	0.003				
			16.00	18.00	2.00	100848	0.003				
			18.00	20.00	2.00	100849	0.352				
<b>19.80</b>	<b>25.80</b>	<b>T5 Quartz Vein</b>	20.00	22.00	2.00	100850	0.003				
<<Vein: 19.8 - 25.8 Quartz>>											
			22.00	24.00	2.00	100851	0.003				
			24.00	26.00	2.00	100852	0.46				
<b>25.80</b>	<b>28.70</b>	<b>T2 Basalt - Altered</b>	26.00	28.00	2.00	100853	0.22				
			28.00	30.00	2.00	100854	0.015				
<b>28.70</b>	<b>51.20</b>	<b>T1F Magnetic/Jasper Pillow Basalt</b>	30.00	32.00	2.00	100855	0.065				
<<Struc: 46.6 - 47 weak fault gouge>> pyrite abundant (6%) friable T2											
			32.00	34.00	2.00	100856	0.003				
			34.00	36.00	2.00	100857	0.003				
			36.00	38.00	2.00	100858	0.05				

# Drill Log

Project:

Cassiar

Hole Number:

T95-47

From (m) To (m) Rocktype & Description

**51.20 54.20 T2 Basalt - Altered**

**54.20 56.63 T5 Quartz Vein**

<<Vein: 54.2 - 56.63 Quartz>> uartz is split and broken, difficult determine contact types and angles. Likely thick extensional veins

**56.63 74.50 T2 Basalt - Altered**

56.63 - 74.5: patchy weak to moderate ankerite alt.

<<Struc: 67.5 - 69.9 moderate fault gouge>>

**74.50 75.00 FLT Fault, Fault Zone**

74.5 - 75: weak calcite veining and breccia

**75.00 80.20 T1 Basalt**

**80.20 91.10 T2 Basalt - Altered**

80.2 - 91.1: increased shallow (tca) ext veins near T5 at lower contact

<<Min: 89.5 - 91.2 5% pyrite>>

<<Vein: 90.5 - 90.51 Quartz 15 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
38.00	40.00	2.00	100859	0.003				
40.00	42.00	2.00	100860	0.003				
42.00	44.00	2.00	100861	0.003				
44.00	46.00	2.00	100862	0.165				
46.00	48.00	2.00	100863	0.01				
48.00	50.00	2.00	100864	0.003				
50.00	52.00	2.00	100865	0.003				
52.00	54.00	2.00	100866	0.115				
54.00	56.00	2.00	100867	0.245				
56.00	58.00	2.00	100868	1.01				
58.00	60.00	2.00	100869	0.32				
60.00	62.00	2.00	100870	0.003				
62.00	64.00	2.00	100871	0.024				
64.00	66.00	2.00	100872	0.16				
66.00	68.00	2.00	100873	0.235				
68.00	70.00	2.00	100874	0.055				
70.00	72.00	2.00	100875	0.175				
72.00	74.00	2.00	100876	0.18				
74.00	76.00	2.00	100877	0.095				
76.00	78.00	2.00	100878	0.003				
78.00	80.00	2.00	100879	0.003				
80.00	82.00	2.00	100880	0.003				
82.00	84.00	2.00	100881	0.035				
84.00	86.00	2.00	100882	0.085				
86.00	88.00	2.00	100883	0.025				
88.00	90.00	2.00	100884	0.28				

# Drill Log

Project:

Cassiar

Hole Number:

T95-47

From (m) To (m) Rocktype & Description

**91.10 93.20 T5 Quartz Vein**

<<Vein: 91.1 - 93.2 Quartz>> uartz is split and broken, difficult determine contact types and angles. Likely thick extensional veins

**93.20 94.00 T2 Basalt - Altered**

**94.00 95.50 T5 Quartz Vein**

<<Vein: 94 - 94.01 Quartz 45 deg. >>

<<Vein: 94 - 95.5 Quartz>> uartz is split and broken, difficult determine contact types and angles. Likely thick extensional veins

**95.50 96.10 T2 Basalt - Altered**

**96.10 122.20 T5 Quartz Vein**

96.1 - 122.2: massive white quartz vein, minor 1-20cm T2 zones-inclusions or likely relict wall rock in ext veins network.

<<Vein: 96.1 - 96.11 Quartz 20 deg. >>

<<Vein: 96.1 - 122.22 Quartz>>

**122.20 128.30 T2 Basalt - Altered**

<<Min: 122.2 - 128.3 5% pyrite>> also finely disseminated

<<Vein: 123.8 - 123.81 Quartz 45 deg. >>

**128.30 133.00 T5 Quartz Vein**

128.3 - 133: broken and friable inparts, possible faulting, 10-20cm zones of altered basalt.

<<Vein: 128.3 - 133 Quartz>> uartz is split and broken, difficult determine contact types and angles. Likely thick extensional veins

**133.00 137.50 T2 Basalt - Altered**

133 - 137.5: angular broken core.

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
90.00	92.00	2.00	100885	1.88				
92.00	94.00	2.00	100886	1.77				

94.00	96.00	2.00	100887	0.315				
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96.00	98.00	2.00	100888	0.66				
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98.00	100.00	2.00	100889	0.01				
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100.00	102.00	2.00	100890	0.083				
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102.00	104.00	2.00	100891	0.835				
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104.00	106.00	2.00	100892	0.003				
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106.00	108.00	2.00	100893	0.003				
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108.00	110.00	2.00	100894	3.24				
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110.00	112.00	2.00	100895	0.645				
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112.00	114.00	2.00	100896	0.575				
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114.00	116.00	2.00	100897	0.19				
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116.00	118.00	2.00	100898	0.565				
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118.00	120.00	2.00	100899	3.23				
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120.00	122.00	2.00	100900	0.28				
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122.00	124.00	2.00	100901	0.905				
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124.00	126.00	2.00	100902	0.94				
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126.00	128.00	2.00	100903	0.78				
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128.00	130.00	2.00	100904	0.595				
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130.00	132.00	2.00	100905	0.32				
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132.00	134.00	2.00	100906	0.755				
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134.00	136.00	2.00	100907	0.515				
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# Drill Log

Project:

Cassiar

Hole Number:

T95-47

From (m) To (m) Rocktype & Description

<<Min: 133 - 137.5 5% pyrite>>

**137.50 138.30 T5 Quartz Vein**

<<Vein: 137.5 - 137.51 Quartz 25 deg. >> quartz is split and broken, difficult determine contact types and angles. Some possible lower angle structures like this one (could be late fracture) could represent many things including change in vein orientation and or shallowing hence thicker intercep

<<Vein: 137.5 - 138.3 Quartz>>

**138.30 143.80 T2 Basalt - Altered**

138.3 - 143.8: broken and friable zone focussed on upper 1.5m. Ankerite altered basalt with variable moderate carbon fracturing to intense pervasive carbon alteration.

<<Alt: 138.3 - 145.1 strong Graphite>>

<<Struc: 138.3 - 143.8 Sheared>> This zone best candidate for thrust. Friable broken core. Carbon zones (timing?) show some shearing and slip planes.

**143.80 145.10 5DD Argillite**

143.8 - 145.1: banded argillite and minor chert.

**145.10 152.35 5B Chert**

145.1 - 152.35: chert with minor argillite bands patchy carbon coated fracture texture.

**152.35 152.70 T10 Mafic Dyke**

152.35 - 152.7: chloritic fine to medium grained mafic unit. Common slip planes on broken surfaces.

**End of Hole @ 200**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
136.00	138.00	2.00	100908	0.76				
138.00	140.00	2.00	100909	1.74				
140.00	142.00	2.00	100910	1.95				
142.00	144.00	2.00	100911	0.685				
144.00	146.00	2.00	100912	0.085				
146.00	148.00	2.00	100913	0.03				
148.00	150.00	2.00	100914	0.003				
150.00	152.00	2.00	100915	0.003				

# Drill Log

**Project:** Cassiar **Hole Number:** T95-48

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By: Ryan Congdon
Grid:	Hole Diameter:	Survey By:	Date Started: 09/06/2012
UTM Easting	Core Size: NQ	Azimuth:	Date Completed: 10/06/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 170.5	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			
Relogging of 1995 Cyprus drill hole June 9 and 10, 2012 at Taurus coreland.			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>3.00</b>	<b>OVB Overburden</b>									
<<Alt: 1 - 1 moderate Ankerite>>											
<b>3.00</b>	<b>4.80</b>	<b>T1 Basalt</b>	3.05	4.00	0.95	102434	0.003				
			4.00	6.00	2.00	102435	0.003				
<b>4.80</b>	<b>18.60</b>	<b>T2 Basalt - Altered</b>	6.00	8.00	2.00	102436	0.003				
<<Min: 8.35 - 11.8 3% pyrite>>											
<<Min: 8.35 - 11.8 0.5% arsenopyrite>> fine, euhedral arsenopyrite grains associated with areas having most abundant PY.											
<<Min: 13.8 - 18.6 1% pyrite>>											
<<Min: 13.8 - 18.6 0.1% arsenopyrite>>											
<<Alt: 4.8 - 12.6 moderate Ankerite>>											
<<Alt: 12.6 - 13.5 weak Ankerite>>											
<<Alt: 13.5 - 18.6 moderate Ankerite>>											
<<Struc: 9.5 - 9.5 vein 44 deg. >> Diffuse grey QZ vein with Pyrite and arsenopyrite.											
<<Struc: 11.3 - 11.3 vein 30 deg. >> 1 cm white QZ vein with extensional (fibrous) texture. Darker qZ along the margins.											
<<Struc: 12.6 - 12.6 contact 30 deg. >> Sharp, well-defined contact between moderate and strong ANK alteration. Rare type of alteration contact since the alteration intensity typically grades in and out.											

# Drill Log

Project:

Cassiar

Hole Number:

T95-48

From (m) To (m) Rocktype & Description

**18.60 21.49 NCOR No Core**

18.6 - 21.49: whole core sample -- prob QZ vn

**21.49 25.05 T2 Basalt - Altered**

<<Min: 21.49 - 25.05 2% pyrite>>

<<Alt: 21.49 - 25.05 moderate Ankerite>>

**25.05 26.20 NCOR No Core**

25.05 - 26.2: whole core sample -- prob QZ vn

<<Min: 26.15 - 34.15 0.5% pyrite>>

<<Alt: 26.15 - 34.15 moderate Chlorite >> multiple slip surfaces coated with chlorite, also fracture-filling. Possibly late

<<Alt: 26.15 - 34.15 weak Ankerite>> Ankerite crystals plus minor pervasive

**26.20 34.15 T2 Basalt - Altered**

26.2 - 34.15: somewhat different alterationh -- AK with CL slip planes

**34.15 36.60 T1 Basalt**

green

**36.60 38.25 T2 Basalt - Altered**

<<Min: 36.6 - 54.4 2% pyrite>>

<<Alt: 36.6 - 54.5 moderate Ankerite>>

**38.25 51.05 NCOR No Core**

38.25 - 51.05: Boxes 7 and 8 are not in racks. Possibly moved with mineralized core collection at mine?

**51.05 58.70 T2 Basalt - Altered**

51.05 - 58.7: Lower part of interval is reddish (HE coloured) but is affected by late fault below. Lots of late slip surfaces and fine veinlets of CA

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
19.50	20.50	1.00	102443	0.35				

20.50	21.75	1.25	102444	38.59				
21.75	22.95	1.20	102445	0.055				
22.95	24.05	1.10	102446	0.01				
24.05	25.05	1.00	102447	0.05				
25.05	26.20	1.15	102448	2.97				

26.20	28.00	1.80	102449	0.01				
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28.00	30.00	2.00	102450	0.03				
30.00	32.00	2.00	102451	0.003				
32.00	34.00	2.00	102452	0.003				
34.00	36.00	2.00	102453	0.003				
36.00	38.00	2.00	102454	0.325				
38.00	40.00	2.00	102455	1.53				

40.00	42.00	2.00	102456	2.93				
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42.00	44.00	2.00	102457	1.83				
44.00	46.00	2.00	102458	1.435				
46.00	48.00	2.00	102459	0.007				
48.00	50.00	2.00	102460	0.058				
50.00	52.00	2.00	102461	0.385				
52.00	54.00	2.00	102462	1.69				

# Drill Log

Project:

Cassiar

Hole Number:

T95-48

From (m) To (m) Rocktype & Description

<<Alt: 54.5 - 58.7 moderate Calcite>> related to late faulting, CA as fine wispy veins and pervasive alteration. Not apparently related to Au.

<<Alt: 54.5 - 58.7 moderate Ankerite>>

**58.70 59.60 FLT Fault, Fault Zone grey**

58.7 - 59.6: poorly recovered, gougy fault. Intervals on either side are apparently affected by this fault as evidenced by common slickensided slip surfaces within about 2 m of the contact with this fault.

<<Alt: 58.7 - 66.7 moderate Calcite>> and as vein and fracture coatings. Probably related to late faulting

<<Struc: 58.7 - 59.6 fault gouge>> friable, crumbling material in core box

**59.60 74.30 T1 Basalt**

59.6 - 74.3: Top part of interval is affected by overlying late fault -- lots of chloritic slip surfaces (slickensides common). Locally common low and high angle calcite veins without sulfide. Minor trace disseminated PY throughout.

**74.30 90.00 T2 Basalt - Altered**

74.3 - 90: Bleached, typical AK basalt with local PY and trace AS.

<<Min: 75.35 - 80 5% pyrite>>

<<Min: 75.35 - 80 0.1% arsenopyrite>> trace arsenopyrite associated with most intense pyrite

<<Min: 80 - 84 3% pyrite>>

<<Min: 84 - 90 0.1% pyrite>> trace pyrite towards bottom of interval

<<Alt: 74.3 - 90 moderate Ankerite>> weaker near top and bottom as alteration intensity increases towards core

<<Struc: 88.2 - 88.2 contact 30 deg. >> alteration contact

**90.00 110.55 T1 Basalt**

90 - 110.55: Green basalt.

<<Struc: 90.9 - 90.9 vein 50 deg. >> 2 cm wide QZ-AK extensional vein

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
54.00	56.00	2.00	102463	0.003				
56.00	58.00	2.00	102464	0.05				
58.00	60.00	2.00	102465	0.003				
60.00	62.00	2.00	102466	0.003				
62.00	64.00	2.00	102467	0.003				
64.00	66.00	2.00	102468	0.003				
66.00	68.00	2.00	102469	0.003				
68.00	70.00	2.00	102470	0.015				
70.00	72.00	2.00	102471	0.003				
72.00	74.00	2.00	102472	0.003				
74.00	76.00	2.00	102473	1.94				
76.00	78.00	2.00	102474	2.19				
78.00	80.00	2.00	102475	2.79				
80.00	82.00	2.00	102476	0.52				
82.00	84.00	2.00	102477	0.445				
84.00	86.00	2.00	102478	0.003				
86.00	88.00	2.00	102479	0.003				
88.00	90.00	2.00	102480	0.003				
90.00	92.00	2.00	102481	0.003				
92.00	94.00	2.00	102482	0.003				
94.00	96.00	2.00	102483	0.003				
96.00	98.00	2.00	102484	0.035				
98.00	100.00	2.00	102485	0.003				



# Drill Log

Project:

Cassiar

Hole Number:

T95-48

From (m) To (m) Rocktype & Description

**110.55 120.70 T2 Basalt - Altered**

<<Min: 110.55 - 119.2 0.1% pyrite>>  
 <<Min: 119.2 - 120.7 2% pyrite>>  
 <<Alt: 110.55 - 120.7 moderate Ankerite>>

**120.70 121.30 T5 Quartz Vein**

120.7 - 121.3: Coarse-grained white QZ vn with minor ankerite and pyrite. Pyritohedrons more common proximal to vein.

**121.30 126.30 T2 Basalt - Altered**

<<Min: 121.3 - 126.8 1% pyrite>>  
 <<Alt: 121.3 - 126.8 moderate Ankerite>>  
 <<Struc: 121.3 - 121.3 contact 45 deg. >> lower contact of QZ vein

**126.30 126.80 T11 Lamprophyre**

126.3 - 126.8: Medium grained dyke.

**126.80 127.50 T5 Quartz Vein**

126.8 - 127.5: White quartz vein with common wallrock inclusions and pyrite patches. Minor AK.

**127.50 135.10 T2 Basalt - Altered**

<<Min: 127.5 - 135.1 4% pyrite>>  
 <<Min: 127.5 - 135.1 0.1% arsenopyrite>> trace AS in two places  
 <<Alt: 127.5 - 135.1 moderate Ankerite>>

**135.10 137.20 5B Chert**

135.1 - 137.2: Light grey, silicious chert. Upper contact with basalt is sharp, wavy but clean and abrupt (i.e. not a shear zone or fault).

<<Alt: 135.1 - 143.23 weak Ankerite>>

**137.20 137.90 SHZ Shear Zone**

137.2 - 137.9: Pervasive, ductile foliation in basalt below chert (good spot for a shear zone). Minor pyrite.

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
100.00	102.00	2.00	102486	0.003				
102.00	104.00	2.00	102487	0.003				
104.00	106.00	2.00	102488	0.003				
106.00	108.00	2.00	102489	0.003				
108.00	110.00	2.00	102490	0.003				
110.00	112.00	2.00	102491	0.255				
112.00	114.00	2.00	102492	0.003				
114.00	116.00	2.00	102493	0.003				
116.00	118.00	2.00	102494	0.003				
118.00	120.00	2.00	102495	0.405				
120.00	122.00	2.00	102496	0.628				

122.00	124.00	2.00	102497	0.003				
124.00	126.00	2.00	102498	0.543				
126.00	128.00	2.00	102499	0.89				

128.00	130.00	2.00	102500	1.27				
130.00	132.00	2.00	36751	1.095				
132.00	134.00	2.00	36752	1.04				
134.00	136.00	2.00	36753	0.493				
136.00	138.00	2.00	36754	2.68				

# Drill Log

Project:

Cassiar

Hole Number:

T95-48

From (m) To (m) Rocktype & Description

<<Struc: 137.2 - 137.2 contact 40 deg. >> contact with chert and lower shear zone

<<Struc: 137.5 - 137.5 Foliated 20 deg. >> shear fabric

**137.90 143.23 T2 Basalt - Altered**

<<Min: 138.5 - 139.2 2% pyrite>> c.g. increased QZ vns

**143.23 153.70 T11 Lamprophyre**

143.23 - 153.7: Locally friable, biotite-bearing. Minor section of T2 in the centre so probably two parallel dykes.

**153.70 166.12 T1 Basalt**

153.7 - 166.12: Minor bleaching near upper (dyke) contact but predominantly calcite with slick surfaces so likely a late (post-gold event) fault. Second bleached ~1 m interval just below. Lower contact is sharp and undeformed.

<<Alt: 153.7 - 155.6 weak Calcite>> top part of T1 unit, brittle fract related

<<Alt: 159.2 - 160.2 weak Calcite>> ass with brittle fract, late

**166.12 170.50 5B Chert**

166.12 - 170.5: Light grey, silicious, hard chert.

**End of Hole @ 170.5**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
138.00	140.00	2.00	36755	0.463				
140.00	142.00	2.00	36756	0.098				
142.00	144.00	2.00	36757	0.003				
144.00	146.00	2.00	36758	0.003				
146.00	148.00	2.00	36759	0.003				
148.00	150.00	2.00	36760	0.003				
150.00	152.00	2.00	36761	0.003				
152.00	154.00	2.00	36762	0.003				
154.00	156.00	2.00	36763	0.025				
156.00	158.00	2.00	36764	0.035				
158.00	160.00	2.00	36765	0.003				
160.00	162.00	2.00	36766	0.003				
162.00	164.00	2.00	36767	0.003				
164.00	166.00	2.00	36768	0.003				
166.00	168.00	2.00	36769	0.003				
168.00	170.00	2.00	36770	0.015				
170.00	170.50	0.50	36771	0.003				

# Drill Log

**Project:** Cassiar **Hole Number:** T95-54

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By: Darcy Baker
Grid:	Hole Diameter:	Survey By:	Date Started: 09/06/2012
UTM Easting	Core Size:	Azimuth:	Date Completed: 09/06/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 140	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			
Re-log			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>22.80</b>	<b>33.80</b>	<b>T1 Basalt</b>	22.80	24.00	1.20	T95-54_36924	0.003				
			24.00	26.00	2.00	T95-54_36925	0.003				
			26.00	28.00	2.00	T95-54_36926	0.003				
			28.00	30.00	2.00	T95-54_36927	0.003				
			30.00	32.00	2.00	T95-54_36928	0.003				
			32.00	34.00	2.00	T95-54_36929	0.003				
			34.00	36.00	2.00	36930	1.91				
<b>33.80</b>	<b>40.50</b>	<b>T2 Basalt - Altered</b>	36.00	38.00	2.00	T95-54_36931	2.69				
<<Min: 34.15 - 38.7 6% pyrite>>			38.00	40.00	2.00	T95-54_36932	0.68				
<<Min: 35.4 - 36.22 10% pyrite>>			40.00	42.00	2.00	T95-54_36933	0.003				
<<Alt: 33.8 - 40.5 moderate Ankerite>>											
<<Vein: 35.97 - 36.04 Pyrite 62 deg. >>											
<b>40.50</b>	<b>49.65</b>	<b>T1 Basalt</b>	42.00	44.00	2.00	T95-54_36934	0.003				
			44.00	46.00	2.00	T95-54_36935	0.003				
			46.00	48.00	2.00	T95-54_36936	0.003				
			48.00	50.00	2.00	T95-54_36937	0.003				
<b>49.65</b>	<b>54.30</b>	<b>T2 Basalt - Altered</b>	50.00	52.00	2.00	T95-54_36938	0.805				
<<Min: 50.4 - 51.6 4% pyrite>>			52.00	54.00	2.00	T95-54_36939	0.003				
<<Alt: 49.65 - 54.3 moderate Ankerite>> Thru the quick log o this hole altr intensity is applied to the whole unit. Generally alteration is weaker on the periphery increasing to the centre and the zone of increased py mineralisation.			54.00	56.00	2.00	36940	0.003				

# Drill Log

Project:

Cassiar

Hole Number:

T95-54

From (m) To (m) Rocktype & Description

**54.30 59.55 T1 Basalt**

**59.55 71.90 T2 Basalt - Altered**

<<Min: 62.4 - 63.2 4% pyrite>>

<<Min: 65.7 - 71.1 5% pyrite>>

<<Alt: 59.55 - 65.7 moderate Ankerite>>

<<Alt: 65.7 - 71.1 weak Silicification >>

<<Alt: 65.7 - 71.1 strong Ankerite>>

<<Alt: 71.1 - 71.9 moderate Ankerite>>

<<Vein: 62.7 - 62.85 Pyrite 45 deg. >> py occurs along selvages

<<Vein: 68.75 - 68.85 Pyrite 46 deg. >> Three parallel 1-2cm QV.

**71.90 90.20 T1 Basalt**

**90.20 91.60 T2 Basalt - Altered**

<<Min: 91.3 - 91.6 5% pyrite>>

<<Alt: 90.2 - 91.6 moderate Ankerite>>

**91.60 93.45 T5 Quartz Vein**

<<Alt: 93.4 - 107.85 moderate Ankerite>>

**93.45 107.85 T2 Basalt - Altered**

<<Min: 93.45 - 95 6% pyrite>>

<<Min: 95 - 96.8 1% pyrite>>

<<Min: 96.8 - 99.4 5% pyrite>>

<<Min: 104.7 - 106.6 6% pyrite>>

<<Min: 106.6 - 107.85 2% pyrite>>

<<Vein: 100.7 - 100.85 Quartz 41 deg. >>

<<Vein: 104.9 - 105.05 Ankerite 46 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
56.00	58.00	2.00	T95-54_36941	0.003				
58.00	60.00	2.00	T95-54_36942	0.003				
60.00	62.00	2.00	T95-54_36943	0.003				
62.00	64.00	2.00	T95-54_36944	1.29				
64.00	66.00	2.00	T95-54_36945	0.1				
66.00	68.00	2.00	T95-54_36946	0.865				
68.00	70.00	2.00	T95-54_36947	0.52				
70.00	72.00	2.00	T95-54_36948	0.23				
72.00	74.00	2.00	T95-54_36949	0.003				
74.00	76.00	2.00	36950	0.003				
76.00	78.00	2.00	36951	0.003				
78.00	80.00	2.00	36952	0.003				
80.00	82.00	2.00	36953	0.003				
82.00	84.00	2.00	36954	0.003				
84.00	86.00	2.00	36955	0.003				
86.00	88.00	2.00	36956	0.015				
88.00	90.00	2.00	36957	0.003				
90.00	92.00	2.00	36958	0.48				
92.00	94.00	2.00	36959	0.61				
94.00	96.00	2.00	36960	0.49				
96.00	98.00	2.00	36961	1.2				
98.00	100.00	2.00	36962	0.205				
100.00	102.00	2.00	36963	0.25				
102.00	104.00	2.00	36964	0.003				
104.00	106.00	2.00	36965	0.915				
106.00	108.00	2.00	36966	0.575				

# Drill Log

Project:

Cassiar

Hole Number:

T95-54

From (m) To (m) Rocktype & Description

<<Vein: 104.9 - 105.05 Ankerite 46 deg. >>

**107.85 119.31 5B Chert**

<<Min: 107.85 - 119.3 1% pyrite>>

<<Min: 119.3 - 119.6 15% pyrite>>

<<Alt: 107.85 - 140 weak Ankerite>>

**119.31 119.90 FLT Fault, Fault Zone**

119.31 - 119.9: Possible lower thrust zone

**119.90 123.40 5B Chert**

**123.40 129.35 5Db Siltstone**

**129.35 140.00 5B Chert**

**End of Hole @ 140**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
108.00	110.00	2.00	36967	0.21				
110.00	112.00	2.00	36968	0.095				
112.00	114.00	2.00	36969	0.08				
114.00	116.00	2.00	36970	0.035				
116.00	118.00	2.00	36971	0.07				
118.00	120.00	2.00	36972	2.24				
120.00	122.00	2.00	36973	0.395				
122.00	124.00	2.00	36974	0.12				
124.00	126.00	2.00	36975	0.17				
126.00	128.00	2.00	36976	0.01				
128.00	130.00	2.00	36977	0.003				
130.00	132.00	2.00	36978	0.005				
132.00	134.00	2.00	36979	0.003				
134.00	136.00	2.00	36980	0.003				
136.00	138.00	2.00	36981	0.003				
138.00	140.00	2.00	36982	0.003				

# Drill Log

**Project:** Cassiar **Hole Number:** T95-55

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By:
Grid:	Hole Diameter:	Survey By:	Date Started: 24/07/2012
UTM Easting:	Core Size:	Azimuth:	Date Completed: 25/07/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 108.5	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title:	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			

**Comments:**

Re-log of historic Taurus diamond hole targeting shear and fault structures. Upper 89m contains large intersections of Extensional quartz veins separated by lesser T2 mineralisation. Continuous gold grades continue to carbon rich possible faulted zone ext

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>9.40</b>	<b>OVB Overburden</b>									
<b>9.40</b>	<b>14.40</b>	<b>T2 Basalt - Altered</b>	9.40	10.00	0.60	100992	0.003				
<<Min: 9.4 - 14.4 3% pyrite>>			10.00	12.00	2.00	100993	0.48				
<<Vein: 11 - 11.01 Quartz 35 deg. >>			12.00	14.00	2.00	100994	0.415				
			14.00	16.00	2.00	100995	0.025				
<b>14.40</b>	<b>21.20</b>	<b>T5 Quartz Vein</b>	16.00	18.00	2.00	100996	0.003				
14.4 - 21.2: massive, broken. Aggregates of tet an sp near lwer boundary											
			18.00	20.00	2.00	100997	0.003				
			20.00	22.00	2.00	100998	1.91				
<b>21.20</b>	<b>22.50</b>	<b>T2 Basalt - Altered</b>	22.00	24.00	2.00	100999	0.85				
<<Min: 22 - 22.5 5% pyrite>> fg locally											
<b>22.50</b>	<b>38.00</b>	<b>T5 Quartz Vein</b>	24.00	26.00	2.00	101000	0.503				
22.5 - 38: minor 5-15cm of altered wall rock, broken now however veining suggests little or no shearing.											
<<Vein: 37.6 - 37.61 Quartz 55 deg. >> band of wall rock, with larger t5 (shows ext text on contact) aggregates of tt proximal			26.00	28.00	2.00	101001	0.115				
			28.00	30.00	2.00	101002	0.04				
			30.00	32.00	2.00	101003	0.29				

# Drill Log

Project:

Cassiar

Hole Number:

T95-55

From (m) To (m) Rocktype & Description

**38.00 39.50 T2 Basalt - Altered**

38 - 39.5: possible minor shearing in broken core

<<Vein: 38 - 38.001 Quartz 60 deg. >> band of wall rock, near main t5 contact

**39.50 44.20 T5 Quartz Vein**

39.5 - 44.2: minor 5-15cm of altered wall rock, broken now however veining suggests little or no shearing.

<<Vein: 39.5 - 44.2 Quartz>>

**44.20 48.70 T2 Basalt - Altered**

44.2 - 48.7: variable weak to mod AK alt. Friable in parts

**48.70 50.30 T5 Quartz Vein**

<<Vein: 48.7 - 50.3 Quartz>>

**50.30 62.40 T2 Basalt - Altered**

50.3 - 62.4: weak blebby AK alt 52.2-55m

<<Min: 55 - 62.4 3% pyrite>>

<<Vein: 55.8 - 55.82 Quartz 30 deg. >>

**62.40 69.60 T5 Quartz Vein**

62.4 - 69.6: massive vein, low angle lower contact

<<Vein: 62.4 - 69.6 Quartz>> difficult to determining however more likely ext

<<Vein: 69.5 - 69.6 Quartz 10 deg. >> lwr cont. possible flattening of veins downhole?

**69.60 70.00 T2 Basalt - Altered**

69.6 - 70: weak clay altered.

<<Min: 69.6 - 70 4% pyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
32.00	34.00	2.00	101004	1.255				
34.00	36.00	2.00	101005	0.848				
36.00	38.00	2.00	101006	0.16				
38.00	40.00	2.00	101007	0.205				

40.00	42.00	2.00	101008	0.17				
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42.00	44.00	2.00	101009	0.06				
44.00	46.00	2.00	101010	0.715				
46.00	48.00	2.00	101011	0.775				

48.00	50.00	2.00	101012	0.84				
50.00	52.00	2.00	101013	0.035				

52.00	54.00	2.00	101014	0.15				
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54.00	56.00	2.00	101015	0.55				
56.00	58.00	2.00	101016	0.825				
58.00	60.00	2.00	101017	0.02				
60.00	62.00	2.00	101018	0.535				
62.00	64.00	2.00	101019	0.205				
64.00	66.00	2.00	101020	0.02				

66.00	68.00	2.00	101021	0.305				
68.00	70.00	2.00	101022	0.165				

# Drill Log

Project:

Cassiar

Hole Number:

T95-55

From (m) To (m) Rocktype & Description

**70.00 73.10 T5 Quartz Vein**

70 - 73.1: 30cm from upper contact 1cm wide tt bands/aggregates.

<<Vein: 70 - 73.1 Quartz>> difficult to determining however more likely ext

**73.10 74.20 T2 Basalt - Altered**

73.1 - 74.2: weakly brecciated

<<Min: 73.1 - 74.2 2% pyrite>>

**74.20 78.60 T5 Quartz Vein**

<<Vein: 74.2 - 78.6 Quartz>>

**78.60 80.20 T2 Basalt - Altered**

<<Min: 78.6 - 80.2 4% pyrite>>

**80.20 80.80 T5 Quartz Vein**

<<Vein: 80.2 - 80.8 Quartz 50 deg. >>

**80.80 86.00 T2 Basalt - Altered**

<<Min: 80.8 - 86 8% pyrite>> fine

**86.00 86.70 FLT Fault, Fault Zone**

86 - 86.7: Black friable zone with moderate core loss. Intense carbon alteration. Interpreted to be possible main zone for thrust.

<<Alt: 86 - 98.3 strong Graphite>>

**86.70 88.30 T5 Quartz Vein**

86.7 - 88.3: broken quartz with carbon stringers and fracture network.

<<Vein: 86.7 - 88.3 Quartz>>

**88.30 89.60 FLT Fault, Fault Zone**

88.3 - 89.6: broken zone combined of 1-60cm T5, carb alt Basalt and intense black carbon 'pyrobitumen' zones. Evidence of minor slip planes throughout.

**89.60 98.30 T2 Basalt - Altered**

89.6 - 98.3: variable carbon alteration, primarily as fine fracture stockworks increasing in intensity to pervasive black rock. Minor breccia zones with white quartz infill and sheared quartz veins with associated intense (1-2cm) carbon alt halo. Patchy mod AK altera

<<Struc: 90.8 - 90.82 strong Sheared 50 deg. / strong Veining - fracture fill>> qtz vein with associated gr shearing

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
70.00	72.00	2.00	101023	2.42				
72.00	74.00	2.00	101024	1.01				
74.00	76.00	2.00	101025	0.51				
76.00	78.00	2.00	101026	0.035				
78.00	80.00	2.00	101027	1.99				
80.00	82.00	2.00	101028	1.135				
82.00	84.00	2.00	101029	1.43				
84.00	86.00	2.00	101030	2.14				
86.00	88.00	2.00	101031	0.47				
88.00	90.00	2.00	101032	1.63				
90.00	92.00	2.00	101033	0.003				
92.00	94.00	2.00	101034	0.003				
94.00	96.00	2.00	101035	0.003				
96.00	98.00	2.00	101036	0.003				



# Drill Log

Project:

Cassiar

Hole Number:

T95-55

From (m)    To (m)                      Rocktype & Description

**98.30 108.50 T1                      Basalt**

98.3 - 108.5: Weakly bleached basalt. Chloritic bands and frac fill. Minro 1-5cm shear zones.

<<Vein: 103.5 - 103.7 Quartz 30 deg. >>

**End of Hole @ 108.5**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
98.00	100.00	2.00	101037	0.003				
100.00	102.00	2.00	101038	0.003				
102.00	104.00	2.00	101039	0.003				
104.00	106.00	2.00	101040	0.003				
106.00	108.50	2.50	101041	0.003				

# Drill Log

**Project:** Cassiar **Hole Number:** T95-62

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By:
Grid:	Hole Diameter:	Survey By:	Date Started: 27/07/2012
UTM Easting	Core Size: NQ	Azimuth:	Date Completed: 27/07/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 131.3	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>22.90</b>	<b>23.20</b>	<b>T5 Quartz Vein</b>									
22.9 - 23.2: Contains angular wall rock inclusions and As/Py bands (1-2cm)											
<<Vein: 22.9 - 23.2 Quartz>> sulphide banding indicative of shearing however possible contacts show extensional growth											
<b>23.20</b>	<b>33.83</b>	<b>T2 Basalt - Altered</b>	24.00	26.00	2.00	101222	0.023				
23.2 - 33.83: patchy moderate to strong Ak alteration.											
<<Min: 28.1 - 29.1 1% arsenopyrite>>											
<<Min: 28.1 - 29.1 5% pyrite>>											
<<Min: 32.7 - 33.45 4% pyrite>>											
<<Min: 32.7 - 33.45 1% arsenopyrite>>											
<<Vein: 28.6 - 28.65 Quartz 30 deg. >>											
<b>33.83</b>	<b>34.13</b>	<b>5B Chert</b>	34.00	36.00	2.00	101227	0.12				
33.83 - 34.13: chertypod weakly brecciated focussed on lower boundary with minor py mineralisation.											
<b>34.13</b>	<b>38.50</b>	<b>T2 Basalt - Altered</b>	36.00	38.00	2.00	101228	1.3				
<<Vein: 37 - 37.15 Quartz>> brecciated											
<<Struc: 37.1 - 37.3 moderate fault breccia>> calcite matrix to coarse T2 breccia, possible low angle (TCA) offsetting fault structure.											
			38.00	40.00	2.00	101229	0.17				

# Drill Log

Project:

Cassiar

Hole Number:

T95-62

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>38.50</b>	<b>38.80</b>	<b>FLT Fault, Fault Zone</b>									
38.5 - 38.8: T2, andqtz brecci, moderate carbon fracturing.											
<<Struc: 38.5 - 38.8 strong fault breccia 80 deg. >> Qtz+T2 breccia with carbon stringers/fractures. Angle measured is thin fault plane through breccia.											
<b>38.80</b>	<b>60.90</b>	<b>T2 Basalt - Altered</b>	40.00	42.00	2.00	101230	0.003				
38.8 - 60.9: last 2m red tinge with appearanceof weak calcite veining.											
<<Vein: 47.8 - 48.05 Quartz>> pyrite rich selvages, broken core and quartz, minor banding and 20cm clay weathered banded/shr wall rock either side of vein material.											
<<Vein: 56.1 - 56.12 Quartz 30 deg. >>											
<<Struc: 48.1 - 48.3 moderate Sheared 30 deg. >> Py rich (6%) and clay altered T2 associated with sheared qtz vein.											
			42.00	44.00	2.00	101231	0.003				
			44.00	46.00	2.00	101232	0.44				
			46.00	48.00	2.00	101233	4.76				
			48.00	50.00	2.00	101234	16.2				
			50.00	52.00	2.00	101235	1.37				
			52.00	54.00	2.00	101236	0.885				
			54.00	56.00	2.00	101237	0.355				
			56.00	58.00	2.00	101238	0.17				
			58.00	60.00	2.00	101239	0.003				
			60.00	62.00	2.00	101240	0.003				
			62.00	64.00	2.00	101241	0.125				
<b>60.90</b>	<b>63.60</b>	<b>T1 Basalt</b>									
60.9 - 63.6: granular locally friable chloritic unit.											
<b>63.60</b>	<b>66.00</b>	<b>T2 Basalt - Altered</b>	64.00	66.00	2.00	101242	0.01				
63.6 - 66: bleached locally sheared and brecciated unit likely lines up to friable zone above dyke in hole 94-30.											
<<Struc: 63.7 - 64.3 strong Sheared>> possible area for upper thrust											
<<Struc: 63.7 - 66 weak Brecciated >>											
<<Struc: 65.9 - 66 strong fault breccia>> calcite faulting											
<b>66.00</b>	<b>69.30</b>	<b>T11 Lamprophyre</b>	66.00	68.00	2.00	101243	0.003				
			68.00	70.00	2.00	101244	0.003				
			70.00	72.00	2.00	101245	0.003				
<b>69.30</b>	<b>131.30</b>	<b>T1F Magnetic/Jasper Pillow Basalt</b>									
69.3 - 131.3: upper contact wit dyke sheared for 15cm.											
<<Struc: 69.3 - 69.4 strong Sheared 40 deg. >> possible thin bands of ignimbrite tuff.											
<<Struc: 128.7 - 128.85 weak Sheared 45 deg. >> Strong fg magnetite, chalcopryrite, hematite, and sub-rounded quartz and rare (detached from wall basalt) angular clasts. This is listed as a shz due to chloritic stringers and weak-moderate shearing, however it is ikely a interstitial pillow cherty unit (											
			72.00	74.00	2.00	101246	0.003				
			74.00	76.00	2.00	101247	0.003				

# Drill Log

Project:

Cassiar

Hole Number:

T95-62

From (m)    To (m)                      Rocktype & Description

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
76.00	78.00	2.00	101248	0.003				
78.00	80.00	2.00	101249	0.003				
80.00	82.00	2.00	101250	0.003				
82.00	84.00	2.00	35551	0.003				
84.00	86.00	2.00	35552	0.003				
86.00	88.00	2.00	35553	0.003				
88.00	89.50	1.50	21379	0.015				
89.50	91.00	1.50	21381	0.015				
91.00	92.50	1.50	21382	0.015				
92.50	94.00	1.50	21383	0.015				
94.00	95.50	1.50	21384	0.015				
95.50	97.00	1.50	21385	0.015				
97.00	98.50	1.50	21386	0.015				
98.50	100.00	1.50	21387	0.015				
100.00	101.50	1.50	21388	0.015				
101.50	103.00	1.50	21389	0.015				
103.00	104.00	1.00	21391	0.015				
104.00	106.00	2.00	35554	0.003				
106.00	108.00	2.00	35555	0.003				
108.00	109.50	1.50	21392	0.015				
109.50	111.00	1.50	21393	0.015				
111.00	112.50	1.50	21394	0.015				
112.50	114.00	1.50	21395	0.015				
114.00	115.50	1.50	21396	0.04				
115.50	117.00	1.50	21397	0.03				
117.00	118.50	1.50	21398	0.03				
118.50	120.00	1.50	21399	0.015				
120.00	121.50	1.50	21401	0.015				
121.50	123.00	1.50	21402	0.015				
123.00	124.50	1.50	21403	0.015				
124.50	126.00	1.50	21404	0.015				
126.00	127.00	1.00	21405	0.04				
127.00	128.00	1.00	21406	0.015				
128.00	130.00	2.00	35556	0.003				
130.00	131.30	1.30	35557	0.003				

## Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**T95-62**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>End of Hole @ 131.3</b>											

# Drill Log

**Project:** Cassiar **Hole Number:** T95-64

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By: Ryan Congdon
Grid:	Hole Diameter:	Survey By:	Date Started: 22/07/2012
UTM Easting	Core Size: NQ	Azimuth:	Date Completed: 22/07/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 146.6	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			

**Comments:**

Quick Re-log of historic Taurus DD hole. Following geology intersected in TA12-04, 95-64 and surrounding holes re-logged to assess thrust structures at higher elevation, possible late faulting or ramping. 95-64 intersected intercalated altered and un-alte

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>4.80</b>	<b>OVB Overburden</b>									
<b>4.80</b>	<b>7.70</b>	<b>T2 Basalt - Altered</b>	4.88	6.00	1.12	35558	0.003				
4.8 - 7.7: broken and spun core. Trace py											
			6.00	8.00	2.00	35559	0.02				
<b>7.70</b>	<b>16.60</b>	<b>T1 Basalt</b>	8.00	10.00	2.00	35560	0.003				
			10.00	12.00	2.00	35561	0.003				
			12.00	14.00	2.00	35562	0.003				
			14.00	16.00	2.00	35563	0.003				
			16.00	18.00	2.00	35564	1.14				
<b>16.60</b>	<b>17.50</b>	<b>T2 Basalt - Altered</b>									
16.6 - 17.5: multiple <1cm ext veins											
<<Min: 16.6 - 17.5 6% pyrite>>											
<<Vein: 17.3 - 17.31 Quartz 55 deg. >>											
<b>17.50</b>	<b>20.60</b>	<b>T1 Basalt</b>	18.00	20.00	2.00	35565	0.003				
<b>20.60</b>	<b>21.20</b>	<b>T2 Basalt - Altered</b>	20.00	22.00	2.00	35566	0.585				

# Drill Log

Project:

Cassiar

Hole Number:

T95-64

From (m) To (m) Rocktype & Description

<<Min: 20.6 - 21.2 3% pyrite>>

**21.20 23.60 T1 Basalt**  
**23.60 35.50 T2 Basalt - Altered**

23.6 - 35.5: Large unit, strong py min. minor thin <1cm ext vns

<<Min: 23.6 - 35.5 5% pyrite>>

<<Vein: 29.4 - 29.41 Quartz 45 deg. >>

**35.50 41.20 T1 Basalt**

**41.20 49.60 T2 Basalt - Altered**

<<Min: 41.2 - 49.6 2% pyrite>>

<<Vein: 47.7 - 47.71 Quartz 40 deg. >>

**49.60 62.50 T1 Basalt**

**62.50 74.00 T2 Basalt - Altered**

62.5 - 74: Variable ankerite alteration(67.30-71.30m weak). Increased rubble in split core leading up to lower contact.

<<Min: 62.5 - 74 2% pyrite>>

<<Min: 65.7 - 66.5 8% pyrite>> aggregates associated with friable clay rich zones (1-10cm). This area contains highest grade of hole (6.04g/t)

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
22.00	24.00	2.00	35567	0.098				
24.00	26.00	2.00	35568	1.5				
26.00	28.00	2.00	35569	1.76				
28.00	30.00	2.00	35570	1.34				
30.00	32.00	2.00	35571	0.205				
32.00	34.00	2.00	35572	0.97				
34.00	36.00	2.00	35573	0.345				
36.00	38.00	2.00	35574	0.003				
38.00	40.00	2.00	35575	0.003				
40.00	42.00	2.00	35576	0.145				
42.00	44.00	2.00	35577	0.045				
44.00	46.00	2.00	35578	0.565				
46.00	48.00	2.00	35579	1.37				
48.00	50.00	2.00	35580	0.53				
50.00	52.00	2.00	35581	0.003				
52.00	54.00	2.00	35582	0.003				
54.00	56.00	2.00	35583	0.003				
56.00	58.00	2.00	35584	0.003				
58.00	60.00	2.00	35585	0.003				
60.00	62.00	2.00	35586	0.003				
62.00	64.00	2.00	35587	0.71				
64.00	66.00	2.00	35588	1.38				
66.00	68.00	2.00	35589	6.04				
68.00	70.00	2.00	35590	0.073				
70.00	72.00	2.00	35591	1.175				
72.00	74.00	2.00	35592	1.725				

# Drill Log

Project:

Cassiar

Hole Number:

T95-64

From (m) To (m) Rocktype & Description

**74.00 79.30 FLT Fault, Fault Zone**

74 - 79.3: Broken-rubble core. 74.6-76m chloritic zone exhibiting more ductile deformation followed by mod ank (T2), exhibiting stronger breccia text, broken nature of core grad decrease to competent T2 unit below. This zone could be a candidate for upper thrust spl

<<Struc: 74.3 - 75.9 strong fault gouge 15 deg. >> friable chloritic section, low angle fault planes remnant.

**79.30 81.90 T2 Basalt - Altered**

<<Min: 79.3 - 80.2 4% pyrite>>

**81.90 83.00 T1 Basalt**

**83.00 84.10 FLT Fault, Fault Zone**

83 - 84.1: Broken core, friable chloritic zone, low angle tca slip planes

**84.10 85.60 T1 Basalt**

**85.60 86.55 T11 Lamprophyre**

**86.55 90.20 T1 Basalt**

**90.20 95.00 T2 Basalt - Altered**

90.2 - 95: variable AK alt

**95.00 96.60 FLT Fault, Fault Zone**

95 - 96.6: Maroon coloured continuation of T2. increased breccia text and micro-faulting with 10cm sheared zone at 96m. Multiple carb veins and breccia causing minor offsets.

<<Min: 95 - 96.6 2% pyrite>>

<<Struc: 95.55 - 95.6 strong fault breccia 45 deg. / Veining - fracture fill>> calcite vein cont t2 breccia. Cross cutting relict jasperoidal variolite zone

<<Struc: 96 - 96.2 strong Sheared 25 deg. >> bottom of red faulted unit.

**96.60 112.46 T1F Magnetic/Jasper Pillow Basalt**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
74.00	76.00	2.00	35593	0.028				

76.00	78.00	2.00	35594	0.005				
78.00	80.00	2.00	35595	0.78				
80.00	82.00	2.00	35596	0.05				

82.00	84.00	2.00	35597	0.003				
84.00	86.00	2.00	35598	0.003				

86.00	88.00	2.00	35599	0.003				
88.00	90.00	2.00	35600	0.003				
90.00	92.00	2.00	35601	0.003				
92.00	94.00	2.00	35602	1.53				

94.00	96.00	2.00	35603	1.48				
96.00	98.00	2.00	35604	0.003				

98.00	100.00	2.00	35605	0.003				
100.00	102.00	2.00	35606	0.003				
102.00	104.00	2.00	35607	0.003				
104.00	106.00	2.00	35608	0.003				
106.00	108.00	2.00	35609	0.06				
108.00	110.00	2.00	35610	0.003				
110.00	112.00	2.00	35611	0.003				



# Drill Log

Project:

Cassiar

Hole Number:

T95-64

From (m) To (m) Rocktype & Description

**112.46 114.70 T2 Basalt - Altered**

<<Min: 113.1 - 113.8 3% arsenopyrite>>

<<Min: 113.1 - 113.8 4% pyrite>>

**114.70 127.90 T1F Magnetic/Jasper Pillow Basalt**

**127.90 128.80 T2 Basalt - Altered**

**128.80 131.85 T1F Magnetic/Jasper Pillow Basalt**

128.8 - 131.85: increased broken nature of core to base of unit

<<Vein: 130.4 - 130.6 Quartz 25 deg. >>

**131.85 135.50 5B Chert**

131.85 - 135.5: Weak foliation in upper basalt unit increases to start of 'chert' unit which consists of 1-20cm bands of chert/mudstone intercalated with mafic material. The start of the chert unit marks strong ductile deformation through to the end of the shear unit logge

<<Struc: 131.9 - 135.5 strong Bedded 25 deg. / Sheared>> cherty mudstone, laminated and banded with strong strain along bedding planes. Minor boudinaging textures.

**135.50 138.20 SHZ Shear Zone**

135.5 - 138.2: Shearing continued from unit up hole, sharp lithological upper boundary gradational lower contact with weaker ductile deformation. Weak blebby ankerite alt and trace euh Py. Strong shearing (possible mafic sed protolith) occurs throughout. Relict jasper po

<<Struc: 135.5 - 135.501 weak contact 15 deg. >> possible transition from siliceous se to mafic.

<<Struc: 135.501 - 138.2 strong Sheared 30 deg. >> strong shearing and strain evident.

**138.20 145.10 T1F Magnetic/Jasper Pillow Basalt**

**145.10 145.20 FLT Fault, Fault Zone**

145.1 - 145.2: Brittle structure. Multiple Carb veins, minor brecciation.

**145.20 146.60 T1F Magnetic/Jasper Pillow Basalt**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
112.00	114.00	2.00	35612	0.25				
114.00	116.00	2.00	35613	0.015				
116.00	118.00	2.00	35614	0.003				
118.00	120.00	2.00	35615	0.003				
120.00	122.00	2.00	35616	0.003				
122.00	124.00	2.00	35617	0.003				
124.00	126.00	2.00	35618	0.003				
126.00	128.00	2.00	35619	0.003				
128.00	130.00	2.00	35620	0.23				
130.00	132.00	2.00	35621	0.003				
132.00	134.00	2.00	35622	0.003				
134.00	136.00	2.00	35623	0.003				
136.00	138.00	2.00	35624	0.003				
138.00	140.00	2.00	35625	0.003				
140.00	142.00	2.00	35626	0.003				
142.00	144.00	2.00	35627	0.003				
144.00	146.60	2.60	35628	0.003				

## Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**T95-64**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>End of Hole @ 146.6</b>											

# Drill Log

**Project:** Cassiar **Hole Number:** T95-71

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Jim Lehtinen
Grid:		Hole Diameter:		Survey By:		Date Started:	19/06/2012
UTM Easting		Core Size:	NQ	Azimuth:		Date Completed:	
UTM Northing:		Casing Pulled?:	<input type="checkbox"/>	Dip:		Drill Company:	
UTM Elev. (m):		Casing Depth (m):		Length (m):	188.06	Drill Rig:	
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title		Drill Started:	
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	
Local Elev. (m):							
Comments:							

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>4.60</b>	<b>OVB</b>									
		<b>Overburden</b>									
<b>4.60</b>	<b>9.80</b>	<b>T1</b>									
		<b>Basalt</b>									
		<b>cream</b>									
<<Alt: 4.7 - 9.8 weak Ankerite>>			4.95	6.00	1.05	7101	0.003				
			6.00	8.00	2.00	37548	0.003				
			8.00	10.00	2.00	37549	0.003				
<b>9.80</b>	<b>13.20</b>	<b>T2</b>									
		<b>Basalt - Altered</b>									
<<Min: 12.5 - 13.2 7% pyrite>>			10.00	12.00	2.00	37550	0.003				
<<Alt: 9.8 - 11.6 moderate Ankerite>>			12.00	14.00	2.00	37551	1.07				
<<Alt: 11.6 - 13.2 intense Ankerite>>											
<b>13.20</b>	<b>15.00</b>	<b>T5</b>									
		<b>Quartz Vein</b>									
13.2 - 15: White qz little sx.			14.00	16.00	2.00	37552	0.4				
<<Vein: 13.2 - 15 Quartz 5 deg. >> Possibly paralleling core axis as vein below is at approx. 5 tca											
<b>15.00</b>	<b>22.40</b>	<b>T2</b>									
		<b>Basalt - Altered</b>									
<<Min: 15 - 20 3% pyrite>>			16.00	18.00	2.00	37553	0.435				
<<Alt: 15 - 22.4 strong Ankerite>> Up to 5mm pyritohedrons near vein contact.minor extensional stringers			18.00	20.00	2.00	37554	0.73				
			20.00	22.00	2.00	37555	0.075				
			22.00	24.00	2.00	37556	0.003				
<b>22.40</b>	<b>38.50</b>	<b>T1</b>									
		<b>Basalt</b>									
			24.00	26.00	2.00	37557	0.003				
			26.00	28.00	2.00	37558	0.003				
			28.00	30.00	2.00	37559	0.003				

# Drill Log

Project:

Cassiar

Hole Number:

T95-71

From (m) To (m) Rocktype & Description

**38.50 48.60 T2 Basalt - Altered**

<<Min: 38.5 - 39.6 7% pyrite>> Basal pyritic shear vein 1cm.

<<Min: 39.6 - 44.6 3% pyrite>> Highly variable py, with areas of coarse py up to 10 % followed by 1% finer grained. Avg 3%

<<Alt: 38.5 - 44.5 intense Ankerite>> strong pyritohedrons

<<Alt: 44.5 - 48.6 strong Ankerite>>

<<Vein: 39.6 - 39.61 Pyrite 25 deg. >>

<<Vein: 39.95 - 40 Quartz 25 deg. >>

<<Vein: 46.5 - 46.8 Quartz 35 deg. >>

**48.60 51.70 T2 Basalt - Altered**

<<Alt: 48.6 - 51.7 moderate Ankerite>>

**51.70 56.00 T1 Basalt**

**56.00 57.10 NCOR No Core**

<<Min: 56.4 - 63.6 5% pyrite>> Verry coarse, patchy areas of pyritohedrons.

**57.10 63.60 T2 Basalt - Altered**

<<Alt: 57.1 - 63.6 strong Ankerite>>

<<Struc: 61.5 - 63.6 weak breccia>> Carbon in crackle breccia

**63.60 80.00 T2 Basalt - Altered**

63.6 - 80: Zone of rubbly core (late feature). Variably altered core ranging from sheared, chloritized T2, intense AK alteration, clay alteration with numerous slip surfaces. Minor quartz stringers and quartz vein fragments. Late calcite stringers throughout.

<<Min: 67.7 - 73.8 5% pyrite>> Patchy, partially oxidized large py clusters in strongly altered and fractured bx.

<<Alt: 63.6 - 66 strong Chlorite >>

<<Alt: 66 - 80 moderate Clay>> Variably clay altered over entire interval from weak to strong. Overall moderate.

<<Alt: 66 - 80 strong Ankerite>>

<<Struc: 63.6 - 66 fault breccia>> CL breccia fragments, minor talc, slip planes

<<Struc: 66 - 80 fault breccia>> Late, weak fault breccia, with calcite infill in matrix. Strong to moderate clay alteration. Strong, brown-red weathering of Fe-rich AK alteration.

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
30.00	32.00	2.00	37560	0.003				
32.00	34.00	2.00	37561	0.003				
34.00	36.00	2.00	37562	0.003				
36.00	38.00	2.00	37563	0.003				
38.00	40.00	2.00	37564	4.901				
40.00	42.00	2.00	37565	2.985				
42.00	44.00	2.00	37566	4.18				
44.00	46.00	2.00	37567	0.49				
46.00	48.00	2.00	37568	0.065				
48.00	50.00	2.00	37569	0.37				
50.00	52.00	2.00	37570	0.003				
52.00	54.00	2.00	37571	0.003				
54.00	56.00	2.00	37572	0.003				
56.00	57.00	1.00	37573	2.16				
57.00	58.00	1.00	37574	0.003				
58.00	60.00	2.00	37575	0.83				
60.00	62.00	2.00	37576	0.8				
62.00	64.00	2.00	37577	0.75				
64.00	66.00	2.00	37578	0.01				
66.00	68.00	2.00	37579	0.36				
68.00	70.00	2.00	37580	0.86				
70.00	72.00	2.00	37581	3.11				
72.00	74.00	2.00	37582	1.69				
74.00	76.00	2.00	37583	0.145				
76.00	78.00	2.00	37584	0.04				

# Drill Log

Project:

Cassiar

Hole Number:

T95-71

From (m) To (m) Rocktype & Description

**80.00 83.30 T2 Basalt - Altered**

<<Alt: 80 - 83.3 moderate Ankerite>>

**83.30 86.70 T2 Basalt - Altered**

<<Min: 83.8 - 85.9 5% pyrite>> Pyriteohedrons, 3mm size

<<Alt: 83.3 - 86.4 intense Ankerite>>

<<Alt: 86.4 - 86.7 moderate Ankerite>>

<<Struc: 83.3 - 83.31 weak fault 25 deg. >>

**86.70 93.10 T1 Basalt**

<<Alt: 86.7 - 93.6 moderate Calcite>>

**93.10 99.10 T8 Mafic Tuff**

93.1 - 99.1: Well banded to contorted and broken. Late calcite stringers.

<<Min: 98.9 - 99.2 3% pyrite>> narrowqz-do veins

<<Alt: 93.6 - 96.5 weak Ankerite>>

<<Alt: 96.5 - 104.2 moderate Calcite>>

<<Struc: 93.1 - 99.1 Bedded 30 deg. >> thin bands to 1cm fine ash tuff. Contorted and broken bands

<<Struc: 95.9 - 95.91 weak Veining - fracture fill 50 deg. >> calcite

**99.10 104.20 T1 Basalt**

**104.20 108.10 T2 Basalt - Altered**

104.2 - 108.1: narrow alteration on vein

<<Alt: 104.2 - 108.1 moderate Ankerite>> Zone with 20cm qv in middle

<<Vein: 105.7 - 105.9 Quartz 55 deg. >>

**108.10 115.50 T1 Basalt**

108.1 - 115.5: Calcite alteration and stringers

<<Alt: 108.1 - 115.5 strong Calcite>>

<<Vein: 109.2 - 109.4 Quartz 40 deg. >>

**115.50 133.30 T2 Basalt - Altered**

115.5 - 133.3: Coarse grained flow or Coarse ash tuff?

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
78.00	80.00	2.00	37585	0.003				
80.00	82.00	2.00	37586	0.003				
82.00	84.00	2.00	37587	0.353				
84.00	86.00	2.00	37588	1.62				
86.00	88.00	2.00	37589	0.03				
88.00	90.00	2.00	37590	0.003				
90.00	92.00	2.00	37591	0.003				
92.00	94.00	2.00	37592	0.003				
94.00	96.00	2.00	37593	0.003				
96.00	98.00	2.00	37594	0.003				
98.00	100.00	2.00	37595	0.003				
100.00	102.00	2.00	37596	0.003				
102.00	104.00	2.00	37597	0.003				
104.00	106.00	2.00	37598	0.03				
106.00	108.00	2.00	37599	0.01				
108.00	110.00	2.00	37600	0.003				
110.00	112.00	2.00	37601	0.003				
112.00	114.00	2.00	37602	0.003				
114.00	116.00	2.00	37603	0.035				
116.00	118.00	2.00	37604	0.785				

# Drill Log

Project:

Cassiar

Hole Number:

T95-71

From (m) To (m) Rocktype & Description

<<Min: 116.8 - 117.4 2% pyrite>>  
 <<Min: 129.1 - 132.4 2% pyrite>>  
 <<Alt: 115.5 - 123.2 weak Ankerite>>  
 <<Alt: 123.2 - 125.3 strong Ankerite>>  
 <<Alt: 125.3 - 128.7 moderate Calcite>>  
 <<Alt: 128.7 - 129.1 moderate Ankerite>>  
 <<Alt: 129.1 - 134.2 moderate Ankerite>> Transition from coarse tuff to fine tuff and less AK alt. in fine tuff.  
 <<Vein: 131.7 - 132 Quartz 50 deg. >> Irregular contacts, stringer zone  
 <<Vein: 132.3 - 132.6 Dolomite>>  
 <<Struc: 131.7 - 132 Veining - fracture fill>>

**133.30 135.30 T8 Mafic Tuff**

133.3 - 135.3: thin banded fine ash tuff

<<Min: 133.3 - 135.3 2% pyrite>>  
 <<Struc: 134.2 - 134.25 strong Bedded 20 deg. >> finely laminated tuff.

**135.30 136.35 T5 Quartz Vein**

135.3 - 136.35: Possible Taurus Thrust??? Subrounded quartz in dolomite. Sections entirely DO.

<<Min: 135.3 - 137.7 5% pyrite>> Fracture fill in chert, coarse disseminated to massive clotty PY in nn-siliceous tuff.

**136.35 137.70 5B Chert**

136.35 - 137.7: brittle fractures, fine stringers weak-mod.

<<Struc: 136.6 - 139 Veining - fracture fill 3 deg. >> Qz stringers up to 2 cm with numerous xcutting DO stringers, Stockwork with jasper sections.

**137.70 142.60 T2 Basalt - Altered**

137.7 - 142.6: Very strong alteration with numerous veins and stringers all less than 2cm. Quartz veins commonly with jasper. Minor DO veins

<<Min: 137.7 - 140.1 7% pyrite>> pyritohedrons up to 5mm, commonly crystal clusters  
 <<Alt: 137.7 - 142.6 moderate Silicification >> jasper  
 <<Alt: 137.7 - 142.6 intense Ankerite>>  
 <<Vein: 139.4 - 139.45 Quartz 50 deg. >> irregular contacts and earlier DO stringer

**142.60 145.20 T1 Basalt**

142.6 - 145.2: Hematitic splashes and fracture fill. Magnetic.

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
118.00	120.00	2.00	37605	0.003				
120.00	122.00	2.00	37606	0.003				
122.00	124.00	2.00	37607	0.22				
124.00	126.00	2.00	37608	0.203				
126.00	128.00	2.00	37609	0.003				
128.00	130.00	2.00	37610	0.32				
130.00	132.00	2.00	37611	1.205				
132.00	134.00	2.00	37612	0.198				
134.00	136.00	2.00	37613	8.485				
136.00	138.00	2.00	37614	8.92				
138.00	140.00	2.00	37615	1.45				
140.00	142.00	2.00	37616	0.19				
142.00	144.00	2.00	37617	0.015				
144.00	146.00	2.00	37618	0.003				

# Drill Log

Project:

Cassiar

Hole Number:

T95-71

From (m) To (m) Rocktype & Description

**145.20 162.00 5B Chert**

145.2 - 162: Bedded tuffaceous chert. Brittle, broken core, trace PY.

<<Struc: 150.2 - 150.3 Bedded 40 deg. >> light green grey, commonly contorted bedding, beds to 3 cm.

<<Struc: 159 - 159.1 Bedded 45 deg. >>

<<Struc: 160 - 160.01 fault gouge 3 deg. >> Fault slip along CA

**162.00 177.60 T11 Lamprophyre**

162 - 177.6: Biotite Lamp., Calcite rich

<<Alt: 162.8 - 163.1 moderate Clay>>

<<Alt: 164.4 - 164.8 moderate Clay>>

<<Alt: 166.5 - 168.8 moderate Clay>>

<<Alt: 172.8 - 173 moderate Clay>>

**177.60 188.06 5B Chert**

177.6 - 188.06: Brittle core, broken, little SX

<<Struc: 177.6 - 177.61 fault 35 deg. >> Calcite and pyrite fault contact..weak

**End of Hole @ 188.06**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
146.00	148.00	2.00	37619	0.003				

148.00	150.00	2.00	37620	0.015				
150.00	152.00	2.00	37621	0.015				
152.00	154.00	2.00	37622	0.003				
154.00	156.00	2.00	37623	0.015				
156.00	158.00	2.00	37624	0.003				
158.00	160.00	2.00	37625	0.003				
160.00	162.00	2.00	37626	0.003				
162.00	164.00	2.00	37627	0.003				

164.00	166.00	2.00	37628	0.003				
166.00	168.00	2.00	37629	0.003				
168.00	170.00	2.00	37630	0.003				
170.00	172.00	2.00	37631	0.003				
172.00	174.00	2.00	37632	0.003				
174.00	176.00	2.00	37633	0.003				
176.00	178.00	2.00	37634	0.03				
178.00	180.00	2.00	37635	0.03				

180.00	182.00	2.00	37636	0.025				
182.00	184.00	2.00	37637	0.003				
184.00	186.00	2.00	37638	0.003				
186.00	188.00	2.00	37639	0.003				

# Drill Log

**Project:** Cassiar **Hole Number:** T95-73

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By: Jim Lehtinen
Grid:	Hole Diameter:	Survey By:	Date Started: 03/07/2012
UTM Easting	Core Size: NQ	Azimuth:	Date Completed: 03/07/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 200	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			

**Comments:**

Relog of old hole, same label. Hole incomplete. Boxes 15-32 available. 77.2 -186.0m. Possible Taurus thrust at 162 - 164.6. Strong foliation and glassy fault polishing. Unaltered volcanics below. Weak SX mineralization as narrow envelopes on veins.

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>77.20</b>	<b>79.50</b>	<b>T1 Basalt</b> <<Alt: 77.2 - 79.2 weak Calcite>> <<Alt: 79.2 - 91.74 strong Ankerite>>	78.00	80.00	2.00	37678	0.003				
<b>79.50</b>	<b>91.74</b>	<b>T2 Basalt - Altered</b> 79.5 - 91.74: Minor quartz stringers<5cm <<Vein: 80.5 - 80.5 Quartz>> rubble <<Vein: 83.2 - 83.2 Quartz>> rubble <<Vein: 86 - 86 Quartz 45 deg. >>	80.00	82.00	2.00	37679	0.003				
			82.00	84.00	2.00	37680	0.003				
			84.00	86.00	2.00	37681	0.003				
			86.00	88.00	2.00	37682	0.035				
			88.00	90.00	2.00	37683	0.03				
			90.00	92.00	2.00	37684	0.035				
			92.00	94.00	2.00	37685	0.828				
<b>91.74</b>	<b>93.00</b>	<b>T5 Quartz Vein</b> 91.74 - 93: Polished, faulted top contact 35 TCA, broken basal contact, weak PY. <<Vein: 91.74 - 93 Quartz>> trace PY <<Struc: 91.74 - 91.74 fault 35 deg. >>									
<b>93.00</b>	<b>102.00</b>	<b>T2 Basalt - Altered</b> 93 - 102: Minor QZ vein. Ext vein at 95.5	94.00	96.00	2.00	37686	0.003				



# Drill Log

Project:

Cassiar

Hole Number:

T95-73

From (m) To (m) Rocktype & Description

<<Alt: 93 - 102 strong Ankerite>>

**102.00 108.20 T1 Basalt**

102 - 108.2: gradational contact into T1 CA below

<<Alt: 102 - 108.2 moderate Calcite>>

**108.20 113.90 T1 Basalt**

108.2 - 113.9: Weak CA, lighter green colour. Minor QZ vein <5cm.

<<Struc: 113.6 - 113.9 fault>> Clayey material and slicks on quartz frag

**113.90 114.30 T2 Basalt - Altered**

113.9 - 114.3: strong ak

<<Alt: 113.9 - 114.3 intense Ankerite>> weathers red-brown

<<Struc: 113.9 - 113.9 fault 40 deg. >> flt and QZ stringer

**114.30 124.50 T1 Basalt**

114.3 - 124.5: pale gn, weak crackle bx, CA alt'd

<<Alt: 114.3 - 124.5 moderate Ankerite>>

**124.50 137.50 T2 Basalt - Altered**

124.5 - 137.5: AK altered with 7% qv's weak PY

<<Alt: 124.5 - 137.5 strong Ankerite>>

<<Vein: 126.8 - 126.82 Quartz 55 deg. >> AS in selvage, less in vein

<<Vein: 128.35 - 128.5 Quartz 55 deg. >> small stringer below, 1cm 55tca

<<Vein: 132.9 - 133.3 Quartz 45 deg. >> sheared? Tr PY

**137.50 140.20 T1 Basalt**

137.5 - 140.2: crackle bx - CH

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
96.00	98.00	2.00	37687	0.198				
98.00	100.00	2.00	37688	0.08				
100.00	102.00	2.00	37689	0.09				
102.00	104.00	2.00	37690	0.003				
104.00	106.00	2.00	37691	0.003				
106.00	108.00	2.00	37692	0.003				
108.00	110.00	2.00	37693	0.003				
110.00	112.00	2.00	37694	0.123				
112.00	114.00	2.00	37695	0.003				
114.00	116.00	2.00	37696	0.003				
116.00	118.00	2.00	37697	0.003				
118.00	120.00	2.00	37698	0.003				
120.00	122.00	2.00	37699	0.003				
122.00	124.00	2.00	37700	0.003				
124.00	126.00	2.00	37701	0.003				
126.00	128.00	2.00	37702	0.1				
128.00	130.00	2.00	37703	0.003				
130.00	132.00	2.00	37704	0.003				
132.00	134.00	2.00	37705	0.025				
134.00	136.00	2.00	37706	0.02				
136.00	138.00	2.00	37707	0.01				
138.00	140.00	2.00	37708	0.003				

# Drill Log

Project:

Cassiar

Hole Number:

T95-73

From (m) To (m) Rocktype & Description

<<Alt: 137.5 - 140.2 weak Calcite>>

**140.20 151.70 T2 Basalt - Altered**

140.2 - 151.7: AK alt'd with 7% QV's Some Tourmaline, sericite(pale green). Extension veins?

<<Alt: 140.2 - 151.7 strong Ankerite>>

<<Vein: 143.45 - 143.6 Quartz>> Sheared, Tourmaline

<<Vein: 150.8 - 151.1 Quartz>> pale gn sericite

**151.70 157.00 T1 Basalt**

151.7 - 157: Gradational alt'n. contact on both.

<<Alt: 151.7 - 157 weak Calcite>>

**157.00 164.60 T2 Basalt - Altered**

157 - 164.6: Red -brown weathering strong to extreme crackle breccia and weak,late CA stringers. Very highly polished and faulted plane at 162.5

<<Alt: 157 - 164.6 intense Ankerite>>

<<Struc: 162.5 - 162.5 strong fault 65 deg. >> glassy, polished fault plane

**164.60 184.80 T1 Basalt**

164.6 - 184.8: Strongly magnetic,jasper in fractures Biotite rich stringers and bx

**184.80 186.00 T8 Mafic Tuff**

184.8 - 186: light green, fine bedding 30 TCA

**End of Hole @ 200**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
140.00	142.00	2.00	37709	0.003				
142.00	144.00	2.00	37710	0.04				

144.00	146.00	2.00	37711	0.04				
146.00	148.00	2.00	37712	0.01				
148.00	150.00	2.00	37713	0.998				
150.00	152.00	2.00	37714	0.013				
152.00	154.00	2.00	37715	0.003				

154.00	156.00	2.00	37716	0.035				
156.00	158.00	2.00	37717	0.003				
158.00	160.00	2.00	37718	0.003				

160.00	162.00	2.00	37719	0.01				
162.00	164.00	2.00	37720	0.055				
164.00	166.00	2.00	37721	0.003				
166.00	168.00	2.00	37722	0.003				

168.00	170.00	2.00	37723	0.003				
184.00	186.00	2.00	37724	0.098				

# Drill Log

**Project:** Cassiar **Hole Number:** T95-75

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By: Jim Lehtinen
Grid:	Hole Diameter:	Survey By:	Date Started: 02/07/2012
UTM Easting	Core Size: NQ	Azimuth:	Date Completed: 02/07/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 130.15	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			

**Comments:**

Re-log of old hole same number. Top of hole is variably altered volcanics with narrow qz veins with SX, From 88-110m strong crackle BX with strong shearing at approx 108m = Taurus Thrust?. Sediments below 110.8m

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>7.60</b>	<b>OVB Overburden</b>	2.13	8.00	5.87	21429	0.015				
<b>7.60</b>	<b>24.40</b>	<b>T2 Basalt - Altered</b>	8.00	10.00	2.00	37728	0.003				
<<Min: 15.7 - 16.1 0.3% arsenopyrite>> Surrounding <2cm qv			10.00	12.00	2.00	37729	0.003				
<<Min: 15.7 - 16.1 1% pyrite>>			12.00	14.00	2.00	37730	0.003				
<<Alt: 7.6 - 10.4 moderate Ankerite>>			14.00	16.00	2.00	37731	0.02				
<<Alt: 10.4 - 23.2 strong Ankerite>>			16.00	18.00	2.00	37732	0.035				
<<Alt: 23.2 - 28.7 strong Calcite>>			18.00	20.00	2.00	37733	0.003				
<<Vein: 11.3 - 11.6 Quartz>> qz chips			20.00	22.00	2.00	37734	0.115				
<<Vein: 15 - 15.24 Quartz>> cherty and qz stringered			22.00	24.00	2.00	37735	0.003				
<<Vein: 16 - 16.05 Quartz 30 deg. >> AS. In narrow stringer			24.00	26.00	2.00	37736	0.003				
<<Vein: 20.8 - 20.83 Quartz 25 deg. >> fault slip with vein , AS,											
<<Vein: 22 - 22.05 Quartz>> High angle 60?											
<<Struc: 13.3 - 13.3 fault>> clay and strongly fractured											
<b>24.40</b>	<b>28.70</b>	<b>T1 Basalt</b>	26.00	28.00	2.00	37737	0.003				
<<Struc: 27.1 - 27.1 fault>> clay = flt?			28.00	30.00	2.00	37738	0.003				
<b>28.70</b>	<b>42.60</b>	<b>T2 Basalt - Altered</b>	30.00	32.00	2.00	37739	0.003				
28.7 - 42.6: AS in fine stringers (late)and diss.											

# Drill Log

Project:

Cassiar

Hole Number:

T95-75

From (m) To (m) Rocktype & Description

<<Min: 32.7 - 37 5% pyrite>>  
 <<Min: 32.7 - 37 1% arsenopyrite>> Strongest paralleling vein  
 <<Alt: 28.7 - 33 strong Ankerite>>  
 <<Alt: 33 - 36.7 strong White mica (Sericite)>>  
 <<Alt: 33 - 36.7 intense Ankerite>>  
 <<Alt: 36.7 - 40.2 strong Ankerite>>  
 <<Alt: 40.2 - 42.6 moderate Ankerite>>  
 <<Vein: 29.4 - 29.43 Quartz 35 deg. >>  
 <<Vein: 36 - 36.25 Quartz 40 deg. >> Strong AS,PY as bands and fracture fill tr SP,TT

**42.60 49.70 T1 Basalt**

<<Alt: 42.6 - 49.7 moderate Calcite>>

**49.70 53.80 T2 Basalt - Altered**

<<Min: 53.4 - 56 3% pyrite>> vein poorly mineralized, trace AS,SP  
 <<Alt: 49.7 - 53.8 moderate Ankerite>>

**53.80 55.60 T5 Quartz Vein**

<<Vein: 53.8 - 55.6 Quartz>> weak vein PY, AS, tr SP

**55.60 61.40 T2 Basalt - Altered**

<<Alt: 55.6 - 61.4 moderate Ankerite>>

**61.40 65.00 NCOR No Core**

**65.00 71.75 T2 Basalt - Altered**

<<Alt: 65 - 68 strong Ankerite>>  
 <<Alt: 68 - 71.75 moderate Ankerite>>

**71.75 72.50 T5 Quartz Vein**

<<Vein: 71.75 - 72.5 Quartz>> Weak AS, TT, strong PY in wallrock

**72.50 96.16 T2 Basalt - Altered**

<<Min: 72.5 - 73.5 5% pyrite>>  
 <<Min: 79.4 - 80.9 20% pyrite>> bands in vein, coarse pyritohedrons in wallrock  
 <<Min: 86.1 - 87.8 7% pyrite>>  
 <<Min: 91.6 - 92 5% pyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
32.00	34.00	2.00	37740	0.863				
34.00	36.00	2.00	37741	1.235				
36.00	38.00	2.00	37742	16.5				
38.00	40.00	2.00	37743	0.175				
40.00	42.00	2.00	37744	0.003				
42.00	44.00	2.00	37745	0.015				
44.00	46.00	2.00	37746	0.003				
46.00	48.00	2.00	37747	0.003				
48.00	50.00	2.00	37748	0.003				
50.00	52.00	2.00	37749	0.003				
52.00	54.00	2.00	37750	0.07				
54.00	56.00	2.00	37751	0.62				
56.00	58.00	2.00	37752	0.003				
58.00	60.00	2.00	37753	0.025				
60.00	62.00	2.00	37754	0.003				
62.00	64.00	2.00	37755	0.003				
64.00	65.00	1.00	37756	1.69				
65.00	66.00	1.00	37757	0.025				
66.00	68.00	2.00	37758	0.39				
68.00	70.00	2.00	37759	0.003				
70.00	72.00	2.00	37760	0.015				
72.00	74.00	2.00	37761	1.18				
74.00	76.00	2.00	37762	0.05				
76.00	78.00	2.00	37763	0.007				
78.00	80.00	2.00	37764	0.243				
80.00	82.00	2.00	37765	1.57				
82.00	84.00	2.00	37766	0.003				

# Drill Log

Project:

Cassiar

Hole Number:

T95-75

From (m) To (m) Rocktype & Description

<<Alt: 72.5 - 76.4 strong Ankerite>>  
 <<Alt: 76.4 - 78.5 weak Ankerite>>  
 <<Alt: 78.5 - 79.4 moderate Ankerite>>  
 <<Alt: 79.4 - 79.7 intense Ankerite>>  
 <<Alt: 80.6 - 108.1 intense Ankerite>>  
 <<Vein: 79.7 - 80.6 Quartz 70 deg. >> trace AS, wall rock inclusions banding in vein at 65tca  
 <<Vein: 86.87 - 87.1 Quartz>>  
 <<Struc: 84 - 86 fault>> ?? Poor recovery, rubble with some fault planes  
 <<Struc: 88 - 110.8 strong Brecciated >> strong to intense crackle breccia. Core has weathered very dark red-brown in this interval

**96.16 96.36 T5 Quartz Vein**

<<Vein: 96.16 - 96.4 Quartz>> PY at contacts

**96.36 97.50 T2 Basalt - Altered**

<<Min: 97.4 - 98.4 3% pyrite>>

**97.50 98.00 T5 Quartz Vein**

<<Vein: 97.5 - 98 Quartz>> PY at contacts

**98.00 110.80 T2 Basalt - Altered**

<<Min: 108.2 - 108.6 5% pyrite>> strong fracture foliation in HW  
 <<Min: 110.1 - 110.8 7% pyrite>> pyritohedrons to 5mm and clusters  
 <<Vein: 99.3 - 105.4 Calcite>> fine stockwork in intense AK alt'd section  
 <<Vein: 102.2 - 102.3 Quartz>> narrow irregular vein  
 <<Vein: 108.1 - 108.5 Quartz 50 deg. >> PY at contacts and in late fractures. Strong foliation atcontact  
 <<Struc: 107.8 - 108.1 Sheared 50 deg. >> strong shear foliation and broken core

**110.80 117.20 5B Chert**

**117.20 130.15 5DD Argillite**

117.2 - 130.15: Minor AK altered tuff 118.3-118.70m

<<Struc: 127 - 127 Bedded 25 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
84.00	86.00	2.00	37767	32.7				
86.00	88.00	2.00	37768	1.11				
88.00	90.00	2.00	37769	0.305				
90.00	92.00	2.00	37770	0.6				
92.00	94.00	2.00	37771	0.03				
94.00	96.00	2.00	37772	0.08				
96.00	98.00	2.00	37773	0.125				

98.00	100.00	2.00	37774	0.443				
100.00	102.00	2.00	37775	0.007				
102.00	104.00	2.00	37776	0.693				
104.00	106.00	2.00	37777	0.045				
106.00	108.00	2.00	37778	1.38				
108.00	110.00	2.00	37779	1.36				
110.00	112.00	2.00	37780	0.68				
112.00	114.00	2.00	37781	0.003				
114.00	116.00	2.00	37782	0.035				
116.00	118.00	2.00	37783	0.003				
118.00	120.00	2.00	37784	0.02				

120.00	122.00	2.00	37785	0.003				
122.00	124.00	2.00	37786	0.003				
124.00	126.00	2.00	37787	0.015				
126.00	128.00	2.00	37788	0.065				
128.00	130.00	2.00	37789	0.003				

## Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**T95-75**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>End of Hole @ 130.15</b>											

# Drill Log

**Project:** Cassiar **Hole Number:** 96-130

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By:
Grid:	Hole Diameter:	Survey By:	Date Started: 24/07/2012
UTM Easting	Core Size: NQ	Azimuth:	Date Completed: 25/07/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 171.3	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			
Re-log of old hole same number.			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>5.18</b>	<b>OVB Overburden</b>									
0 - 5.18: Bedrock likely at 4.5m. Surface weathered and rusty orange surfaces											
<b>5.18</b>	<b>25.72</b>	<b>T2 Basalt - Altered beige</b>	5.18	7.32	2.14	122653	0.16				
5.18 - 25.72: Strong oxidation on fractures to 11.7m. Strong AK alteration throughout											
<<Min: 19.5 - 25.72 3% pyrite>> PY as crse diss pyritohedrons. 1-7% avg3%											
<<Alt: 5.18 - 25.72 strong Ankerite>>											
			7.32	9.15	1.83	122654	0.57				
			9.15	10.67	1.52	122655	0.56				
			10.67	12.20	1.53	122656	0.02				
			12.20	13.72	1.52	122657	0.29				
			13.72	15.24	1.52	122658	4.42				
			15.24	16.77	1.53	122659	0.85				
			16.77	18.29	1.52	122660	0.01				
			18.29	20.12	1.83	122661	0.34				
			20.12	21.34	1.22	122662	0.61				
			21.34	22.87	1.53	122663	0.37				
			22.87	24.39	1.52	122664	0.78				
			24.39	26.22	1.83	122665	0.17				

# Drill Log

Project:

Cassiar

Hole Number:

96-130

From (m) To (m) Rocktype & Description

**25.72 53.61 T5 Quartz Vein**

25.72 - 53.61: Dominantly white QZ with inclusions of strongly AK alt'd wall rock at 48.6 - 50.2m commonly with large euhedral PY. Very erratic mineralization ranging from no sx to clotty and fract fill PY, TT.

<<Min: 25.72 - 57.61 1% pyrite>> very weak PY with uneven distribution. Zones with increased TT. Strongest SX from 28.05-30.18, 32.61-33.2, 44.82-51.4.

<<Vein: 25.72 - 53.61 Quartz>> See description in lithology.

<<Struc: 53.6 - 66 moderate breccia>> Moderate crackle BX with carbon locally strong with shearing @54.9m

**53.61 80.20 T2 Basalt - Altered**

53.61 - 80.2: Strong AK alt. Variable crackle BX. Variable PY. Numerous QZ veins I bottom 13m of interval

<<Min: 57.61 - 66 0.5% pyrite>> trace PY overall, localized increases to 3%

<<Min: 66 - 80.2 3% pyrite>> Euhedral to 1cm

<<Alt: 53.61 - 80.2 strong Ankerite>>

<<Vein: 67.1 - 80.2 Quartz>> numerous vein quartz rubble zones. Little SX

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
26.22	28.05	1.83	122666	0.32				
28.05	30.18	2.13	122667	6.92				
30.18	32.62	2.44	122668	0.04				
32.62	35.06	2.44	122669	0.44				
35.06	37.20	2.14	122670	0.1				
37.20	38.72	1.52	122671	0.01				
38.72	40.24	1.52	122672	0.01				
40.24	41.77	1.53	122673	0.01				
41.77	43.29	1.52	122674	1.2				
43.29	44.82	1.53	122675	1.56				
44.82	46.34	1.52	122676	4.8				
46.34	47.56	1.22	122677	0.19				
47.56	48.78	1.22	122678	0.65				
48.78	49.70	0.92	122679	1.11				
49.70	50.91	1.21	122680	1.8				
50.91	52.44	1.53	122681	1.21				
52.44	53.96	1.52	122682	0.34				
53.96	55.18	1.22	122683	0.73				
55.18	56.40	1.22	122684	0.1				
56.40	58.54	2.14	122685	0.46				
58.54	60.37	1.83	122686	0.38				
60.37	62.80	2.43	122687	0.04				
62.80	64.63	1.83	122688	0.3				
64.63	66.16	1.53	122689	0.41				
66.16	67.07	0.91	122690	1.39				
67.07	68.90	1.83	122691	0.87				
68.90	70.12	1.22	122692	0.12				
70.12	71.95	1.83	122693	0.12				
71.95	73.17	1.22	122694	0.11				
73.17	75.00	1.83	122695	0.47				



# Drill Log

Project:

Cassiar

Hole Number:

96-130

From (m) To (m) Rocktype & Description

**80.20 85.06 T5 Quartz Vein**

80.2 - 85.06: Vein composed of white QZ 70% with numerous wall rock inclusions 30%. PY in wall rock inclusions

<<Min: 80.2 - 85.6 3% pyrite>> Euhedral to .5cm

<<Vein: 80.2 - 85.06 Quartz>> Wall rock 30% of vein

**85.06 88.30 T2 Basalt - Altered**

85.06 - 88.3: Mod. AK alt, CH on fractures. Weak diss PY

<<Min: 88 - 92.7 3% pyrite>>

<<Alt: 85.06 - 88.3 strong Ankerite>> CH on fractures, weak CY near minor slip

**88.30 89.10 T5 Quartz Vein**

88.3 - 89.1: Sub-parallel TCA

<<Vein: 88.3 - 89.1 Quartz>> Erratic Qv in part sub-parallel TCA

**89.10 92.70 T2 Basalt - Altered**

89.1 - 92.7: Quartz stringered, pyritic mod AK

<<Alt: 89.1 - 92.7 moderate Sericite>> Pale green MS

<<Alt: 89.1 - 92.7 strong Ankerite>> Intense AK

**92.70 94.20 T5 Quartz Vein**

92.7 - 94.2: Bull QZ minor MS

<<Vein: 92.7 - 94.2 Quartz>> Weak Py in wallrock inclusion

**94.20 95.85 T2 Basalt - Altered**

<<Min: 94.2 - 95.85 5% pyrite>>

**95.85 96.20 T5 Quartz Vein**

95.85 - 96.2: bull qz

<<Vein: 95.85 - 96.2 Quartz>>

**96.20 96.50 T2 Basalt - Altered**

96.2 - 96.5: strong AK

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
75.00	75.91	0.91	122696	0.27				
75.91	77.74	1.83	122697	3.38				
77.74	79.27	1.53	122698	0.43				
79.27	80.18	0.91	122699	0.49				
80.18	81.71	1.53	122700	0.02				
81.71	83.23	1.52	122701	0.44				

83.23	85.06	1.83	122702	0.02				
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85.06	86.59	1.53	122703	0.89				
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86.59	87.80	1.21	122704	0.1				
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87.80	89.94	2.14	122705	0.59				
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89.94	91.46	1.52	122706	0.67				
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91.46	92.99	1.53	122707	0.21				
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92.99	94.51	1.52	122708	0.08				
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94.51	96.34	1.83	122709	3.02				
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96.34	97.56	1.22	122710	0.17				
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# Drill Log

Project:

Cassiar

Hole Number:

96-130

From (m) To (m) Rocktype & Description

**96.50 103.47 T5 Quartz Vein**

96.5 - 103.47: Bull QZ

<<Vein: 96.5 - 103.47 Quartz>> White bull QZ, relatively featureless.

**103.47 123.17 T2 Basalt - Altered**

103.47 - 123.17: Strong to intense AK alt with diss PY, numerous QZ stringers at erratic orientation. White qz from 113.7-114.2m

<<Min: 104.85 - 123.17 2% pyrite>> Variable PY from 0-5%, avg 2%

**123.17 124.50 T5 Quartz Vein**

123.17 - 124.5: TT at top of vein, clotty PY near bottom

<<Vein: 123.17 - 124.5 Quartz>> TT dominant in upper vein

**124.50 126.40 T2 Basalt - Altered**

124.5 - 126.4: Pale GN, st AK alt. PY 5%, QZ stringers

<<Min: 124.5 - 126.4 5% pyrite>> Pyritohedrons

**126.40 128.66 T5 Quartz Vein**

126.4 - 128.66: wall rock inclusions = 20%

<<Min: 126.4 - 130.4 3% pyrite>> Crs diss pyritohedrons in wall rock only.

**128.66 131.00 T2 Basalt - Altered**

128.66 - 131: strong AK alt, and fault gouge

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
97.56	99.09	1.53	122711	0.01				

99.09	100.61	1.52	122712	0.01				
100.61	102.13	1.52	122713	0.21				
102.13	103.66	1.53	122714	0.05				
103.66	104.88	1.22	122715	0.32				

104.88	106.40	1.52	122716	0.67				
106.40	107.62	1.22	122717	0.5				
107.62	109.15	1.53	122718	0.61				
109.15	110.37	1.22	122719	1.3				
110.37	112.20	1.83	122720	1.2				
112.20	113.72	1.52	122721	0.28				
113.72	115.24	1.52	122722	0.48				
115.24	116.77	1.53	122723	0.45				
116.77	118.60	1.83	122724	0.52				
118.60	120.12	1.52	122725	0.49				
120.12	121.95	1.83	122726	0.54				
121.95	123.17	1.22	122727	0.45				
123.17	124.39	1.22	122728	0.17				

124.39	125.61	1.22	122729	0.41				
125.61	127.13	1.52	122730	0.27				

127.13	128.66	1.53	122731	0.14				
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128.66	131.10	2.44	122732	0.5				
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# Drill Log

Project:

Cassiar

Hole Number:

96-130

From (m) To (m) Rocktype & Description

<<Struc: 130.4 - 131 fault breccia>> Rubble, gouge and CY

**131.00 132.90 T5 Quartz Vein**

131 - 132.9: Extremely fractured vein with cementing by CA. Basal = fault bx. Tr PY

**132.90 135.80 T2 Basalt - Altered**

132.9 - 135.8: Altered and fractured with minor QZ.

<<Struc: 132.9 - 136.6 shear>> Taurus Thrust upper zone. Fault gouge and BX. Extremely carbon rich at 135.8 to 136.6

**135.80 136.50 T2 Basalt - Altered**

135.8 - 136.5: Intense Carbon altered basalt in shear zone. Pyrite in gouge material

<<Min: 135.8 - 136.5 5% pyrite>> in fault gouge

**136.50 147.20 T2 Basalt - Altered**

136.5 - 147.2: AK altered, overprinted by C Crackle Bx, in turn overprinted by CA stockwork. CA increasing down interval.

<<Vein: 136.6 - 142.2 Calcite>> Stockwork CA over printing QZ, and crackle BX

<<Struc: 136.6 - 147.2 strong Veining - fracture fill>> Strong fractured and CA veined, Overprinting crackle BX.

**147.20 159.20 T5 Quartz Vein**

147.2 - 159.2: Barren looking QZ with strongly pyritic wallrock inclusions. Strongly carbonaceous in bottom 2m of interval = pyrobitumen??

**159.20 164.00 T2 Basalt - Altered**

159.2 - 164: CY altered and brecciated. Pale GN.

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
131.10	132.93	1.83	122733	0.1				
132.93	134.95	2.02	122734	0.12				
134.95	135.37	0.42	122735	0.13				
135.37	136.89	1.52	122736	0.42				
136.89	138.41	1.52	122737	0.02				
138.41	139.94	1.53	122738	0.01				
139.94	141.46	1.52	122739	0.11				
141.46	142.99	1.53	122740	0.13				
142.99	144.82	1.83	122741	0.1				
144.82	146.34	1.52	122742	0.35				
146.34	148.93	2.59	122743	0.78				
148.93	150.61	1.68	122744	0.07				
150.61	153.60	2.99	122745	0.22				
153.60	153.66	0.06	122746	0.52				
153.66	155.14	1.48	122747	0.35				
155.14	156.90	1.76	122748	0.07				
156.90	158.54	1.64	122749	0.13				
158.54	159.15	0.61	122750	0.01				
159.15	160.67	1.52	122751	0.07				
160.67	162.20	1.53	122752	0.01				

# Drill Log

Project:

Cassiar

Hole Number:

96-130

From (m)    To (m)                      Rocktype & Description

**164.00 171.30 T2                      Basalt - Altered**

164 - 171.3: Very strongly brecciated and variably coloured. Colour from pale gn to dark grey/black, varying on composition of bx from gn= CY,AK and grey from CY,AK and C alt.

<<Min: 164 - 166.4 5% pyrite>>    In fault gouge/bx

<<Struc: 164 - 171.3 Sheared>>    Extremely brecciated and CY/AK/C altered. Lower Taurus Thrust??

**End of Hole @ 171.3**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
162.20	163.72	1.52	122753	0.05				
163.72	165.24	1.52	122754	1.25				
165.24	166.77	1.53	122755	0.86				

166.77	168.29	1.52	122756	0.83				
168.29	169.82	1.53	122757	0.79				
169.82	171.34	1.52	122758	0.49				

# Drill Log

**Project:** Cassiar **Hole Number:** COR-03-01

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By: Jim Lehtinen
Grid:	Hole Diameter:	Survey By:	Date Started: 29/07/2012
UTM Easting	Core Size: NQ	Azimuth:	Date Completed: 29/07/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 208.79	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			
Re-log of basic rock units, classify QV's and note structures			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>12.80</b>	<b>OVB Overburden</b>									
<b>12.80</b>	<b>54.60</b>	<b>T1 Basalt</b>	20.13	21.02	0.89	22601	0.32				
12.8 - 54.6: Narrow intervals of T2 interspersed.											
<<Min: 36.2 - 38.3 1% pyrite>> Minor crs euhedral PY											
<<Vein: 36.4 - 36.8 Quartz 50 deg. >> Dark grey-black submetallic needle like xtals = stibnite? PY 3%. MS at vein contacts.											
<<Vein: 42.1 - 42.8 Quartz>> Minor MS, CL. Late fracture fill veins											
<<Vein: 47.9 - 48.1 Quartz 15 deg. >>											
<<Struc: 39 - 39.3 weak fault>>											
<<Struc: 45.2 - 49.7 strong Fractured>> Fractured with fault breccia and discontinuous veins											
			21.02	22.66	1.64	22602	0.025				
			22.66	24.00	1.34	22603	0.13				
			24.00	25.40	1.40	22604	1.01				
			25.40	26.77	1.37	22605	0.19				
			26.77	29.07	2.30	22606	0.01				
			29.07	30.12	1.05	22607	1.72				
			30.12	33.00	2.88	22608	0.01				
			35.88	36.88	1.00	22610	1.39				
			36.88	39.00	2.12	22613	1.26				
			39.00	40.24	1.24	22614	0.54				
			40.24	42.11	1.87	22615	0.01				
			42.11	42.78	0.67	22616	0.055				
			42.78	44.32	1.54	22617	0.01				
			44.32	45.17	0.85	22618	0.175				
			45.17	46.38	1.21	22619	0.06				

# Drill Log

Project:

Cassiar

Hole Number:

COR-03-01

From (m) To (m) Rocktype & Description

**54.60 59.40 T3 Pyritic Mineralised Zone**

54.6 - 59.4: Strongly broken and faulted

<<Min: 54.6 - 59.4 4% pyrite>> in extremely fractured/faulted zone

**59.40 71.60 T2 Basalt - Altered**

59.4 - 71.6: Strongly broken and faulted

<<Struc: 65.3 - 67.5 strong fault>> breccia and CY

<<Struc: 67.5 - 74 strong Fractured>> Fractured and faulted with CY-BX

**71.60 81.20 T3 Pyritic Mineralised Zone**

71.6 - 81.2: Strongly broken and faulted

<<Min: 71.6 - 81.2 3% pyrite>>

<<Vein: 80.4 - 80.8 Quartz>> Broken, late fractured QZ in fault zone.

<<Struc: 74 - 77 fault gouge>>

<<Struc: 77 - 80.8 strong Fractured>>

<<Struc: 80.8 - 81.3 strong fault breccia>>

**81.20 81.55 T2 Basalt - Altered**

81.2 - 81.55: Strongly broken and faulted

<<Struc: 81.3 - 89.6 moderate Fractured>>

**81.55 86.90 T1 Basalt**

81.55 - 86.9: Numerous hematitic fracture surfaces.

**86.90 89.60 T3 Pyritic Mineralised Zone**

<<Min: 86.9 - 89.6 3% pyrite>>

<<Vein: 87.9 - 88.1 Quartz>> fractured QV

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
46.38	48.14	1.76	22620	0.28				
48.14	49.72	1.58	22621	0.03				
49.72	52.55	2.83	22622	0.07				
52.55	53.19	0.64	22623	1.17				
53.19	54.56	1.37	22624	0.02				
54.56	56.26	1.70	22625	1.18				
56.26	57.30	1.04	22626	1.07				

57.30	59.00	1.70	22629	0.94				
59.00	59.44	0.44	22630	0.385				
65.22	67.22	2.00	22632	0.225				

67.22	69.22	2.00	22633	0.87				
69.22	71.22	2.00	22634	1.3				
71.22	73.22	2.00	22635	2.03				
73.22	75.22	2.00	22636	3.24				

75.22	77.72	2.50	22637	1.08				
77.72	79.84	2.12	22638	2.19				
79.84	80.77	0.93	22639	1.34				
80.77	81.58	0.81	22640	0.5				

81.58	84.00	2.42	22641	0.128				
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86.87	87.70	0.83	22643	1.55				
87.70	89.60	1.90	22644	1.58				

# Drill Log

Project:

Cassiar

Hole Number:

COR-03-01

From (m) To (m) Rocktype & Description

<<Vein: 88.9 - 89.4 Quartz>> QZ chips

**89.60 102.20 T2 Basalt - Altered**

89.6 - 102.2: dominantly T2, minor T1 intervals. Strongly broken

<<Min: 93 - 94 5% pyrite>>

<<Min: 99.8 - 101.2 3% pyrite>>

**102.20 110.50 T1 Basalt**

102.2 - 110.5: Broken and CA stringered.

<<Struc: 108.2 - 112 strong Fractured>>

**110.50 112.00 T2 Basalt - Altered**

110.5 - 112: minor QZ

**112.00 115.40 T3 Pyritic Mineralised Zone**

<<Min: 112 - 115.4 5% pyrite>>

<<Struc: 112 - 113.4 moderate fault>>

<<Struc: 113.4 - 123 moderate Fractured>>

**115.40 115.50 T2 Basalt - Altered**

115.4 - 115.5: minor QZ

**115.50 119.70 T1 Basalt**

115.5 - 119.7: Strong fract. With Cl,CY

**119.70 123.00 T2 Basalt - Altered**

119.7 - 123: Clay gouge zones in strongly broken core

<<Min: 119.9 - 123 7% pyrite>>

**123.00 129.80 T5 Quartz Vein**

123 - 129.8: Fault and wall rock inclusion in vein. PY 5% as CG aggregates in wall rock inclusions.

<<Min: 123 - 128.2 5% pyrite>> Aggregates clustering around wall rock inclusions in QV.

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
89.60	91.44	1.84	22648	0.235				
91.44	92.86	1.42	22649	0.87				
92.86	94.13	1.27	22650	0.74				
94.13	96.01	1.88	22651	0.03				
96.01	97.76	1.75	22652	0.16				
97.76	99.06	1.30	22653	0.53				
99.06	101.00	1.94	22654	1.04				
101.00	102.31	1.31	22655	0.64				
102.31	105.21	2.90	22656	0.005				
105.21	108.21	3.00	22657	0.02				
108.21	111.25	3.04	22658	0.025				
111.25	113.35	2.10	22660	0.405				
113.35	115.45	2.10	22661	1.17				
115.45	117.63	2.18	22662	0.035				
117.63	119.70	2.07	22663	0.02				
119.70	120.40	0.70	22664	0.97				
120.40	123.00	2.60	22665	1.16				
123.00	127.20	4.20	22666	0.29				
127.20	128.20	1.00	22667	0.89				

# Drill Log

Project:

Cassiar

Hole Number:

COR-03-01

From (m) To (m) Rocktype & Description

<<Min: 128.2 - 129.3 10% pyrite>>

<<Vein: 123 - 128.2 Quartz>> EXT ? Broken contacts. PY clusters in wall rock frags within vein.

<<Vein: 129.3 - 129.8 Quartz>> broken contacts. MS weak.

**129.80 134.10 T3 Pyritic Mineralised Zone**

129.8 - 134.1: faulted at 132.6

<<Min: 129.8 - 134.1 7% pyrite>>

**134.10 134.63 T5 Quartz Vein**

<<Vein: 134.1 - 134.6 Quartz>> Broken contracts

**134.63 136.50 T2 Basalt - Altered**

**136.50 136.90 T5 Quartz Vein**

**136.90 137.00 T2 Basalt - Altered**

**137.00 156.80 T3 Pyritic Mineralised Zone**

<<Min: 137 - 156.8 10% pyrite>>

**156.80 159.00 T2 Basalt - Altered**

<<Struc: 156.8 - 156.85 fault breccia>> Sharp change in alteration at fault

**159.00 159.70 T3 Pyritic Mineralised Zone**

<<Min: 159 - 159.9 10% pyrite>> in isolated AK alt.

**159.70 161.00 T1 Basalt**

**161.00 165.40 T2 Basalt - Altered**

<<Struc: 161 - 166 weak Fractured 5 deg. >> Weak slips along CA.

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
128.20	130.05	1.85	22670	1.05				
130.05	132.45	2.40	22671	1.32				
132.45	133.98	1.53	22672	2.83				
133.98	134.63	0.65	22673	0.16				
134.63	136.50	1.87	22674	1.47				
136.50	137.40	0.90	22675	2.74				
137.40	139.65	2.25	22676	2.07				
139.65	141.42	1.77	22677	1.09				
141.42	143.05	1.63	22678	2.05				
143.05	144.70	1.65	22679	1.15				
144.70	146.15	1.45	22680	1.57				
146.15	147.53	1.38	22682	2.32				
147.53	149.40	1.87	22683	1.63				
149.40	150.91	1.51	22684	1.21				
150.91	152.10	1.19	22685	1.36				
152.10	153.04	0.94	22686	1.26				
153.04	154.78	1.74	22687	0.7				
154.78	156.05	1.27	22688	1.17				
156.05	157.40	1.35	22689	0.89				
157.40	158.25	0.85	22690	0.025				
158.25	159.90	1.65	22691	1.05				
159.90	161.00	1.10	22692	0.145				
161.00	162.70	1.70	22693	2.65				
162.70	164.59	1.89	22694	0.115				
164.59	166.12	1.53	22695	2.07				



# Drill Log

Project:

Cassiar

Hole Number:

COR-03-01

From (m)    To (m)                      Rocktype & Description

**165.40 171.40 T3                      Pyritic Mineralised Zone**

<<Min: 165.4 - 171.4 10% pyrite>>

**171.40 172.20 T2                      Basalt - Altered**

**172.20 188.90 T1A                      Pillow Basalt**

<<Min: 188 - 199 10% pyrite>>

**188.90 199.00 T3                      Pyritic Mineralised Zone**

**199.00 200.30 T2                      Basalt - Altered**

<<Struc: 199 - 206 Fractured>> calcite on frac. Surfaces, increased fractures to bottom of interval

**200.30 204.90 T1                      Basalt**

200.3 - 204.9: Very strong faulting and QZ-DO veining.

**End of Hole @ 208.79**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
166.12	167.50	1.38	22696	1.04				
167.50	169.16	1.66	22697	1.72				
169.16	170.05	0.89	22698	1.55				
170.05	171.65	1.60	22699	0.8				
188.63	190.63	2.00	22701	0.82				
190.63	192.02	1.39	22702	1.01				
192.02	194.02	2.00	22703	1.04				
194.02	196.02	2.00	22704	0.68				
196.02	198.00	1.98	22705	0.81				
198.00	198.50	0.50	22706	2.56				
198.50	200.60	2.10	22707	0.28				

# Drill Log

**Project:** Cassiar **Hole Number:** COR-03-02

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By: Jim Lehtinen
Grid:	Hole Diameter:	Survey By:	Date Started: 30/07/2012
UTM Easting	Core Size: NQ	Azimuth:	Date Completed: 01/08/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 206.35	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			
Re-log of old hole, same number.			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>3.05</b>	<b>OVB Overburden</b>									
<b>3.05</b>	<b>17.70</b>	<b>T1 Basalt</b>	3.05	4.57	1.52	20421	0.015				
3.05 - 17.7: Weak crackle BX.											
<<Vein: 13.8 - 13.9 Quartz 35 deg. >> Multi event veins, narrow.			4.57	6.07	1.50	20422	0.015				
			6.07	7.62	1.55	20423	0.015				
			7.62	9.14	1.52	20424	0.015				
			9.14	10.67	1.53	20425	0.015				
			10.67	12.50	1.83	20426	0.015				
			12.50	13.60	1.10	20427	0.015				
			13.60	14.10	0.50	22751	0.07				
			14.10	15.05	0.95	20428	0.015				
			15.05	16.45	1.40	20429	0.015				
			16.45	17.72	1.27	20431	0.015				
<b>17.70</b>	<b>28.80</b>	<b>T2 Basalt - Altered</b>	17.72	19.24	1.52	22753	0.71				
17.7 - 28.8: Strong broken and faulted.											
<<Min: 17.72 - 19.2 1% pyrite>>			19.24	20.90	1.66	22754	0.015				
<<Alt: 17.7 - 28.2 strong Ankerite>> brick red in part			20.90	22.56	1.66	22755	0.015				
<<Alt: 20 - 21.3 moderate Clay>> Possibly fault related.			22.56	23.56	1.00	22756	0.015				

# Drill Log

Project:

Cassiar

Hole Number:

COR-03-02

From (m) To (m) Rocktype & Description

<<Vein: 19.24 - 28.2 Quartz>> Erratic veining surrounding fault  
 <<Struc: 23.5 - 23.6 weak fault 5 deg. >>  
 <<Struc: 24.7 - 26 moderate fault 25 deg. >> Breccia and clay, minor slicks

**28.80 36.90 T1 Basalt**

28.8 - 36.9: Strong CL on fractures

<<Alt: 36 - 38.1 strong Ankerite>> weak CY zones  
 <<Vein: 36.6 - 36.9 Calcite>> Weak erratic veining.

**36.90 38.10 T2 Basalt - Altered**

36.9 - 38.1: Brick red, QV and CY alt'd

<<Alt: 37 - 38.1 moderate Clay>>

**38.10 44.90 T1 Basalt**

38.1 - 44.9: CL on frags.

**44.90 54.80 T2 Basalt - Altered**

<<Min: 45.83 - 54.5 3% pyrite>>  
 <<Alt: 44.9 - 54.8 strong Ankerite>>  
 <<Vein: 49.7 - 49.74 Quartz 30 deg. >>  
 <<Struc: 50 - 51.7 weak Brecciated >> crackle bx

**54.80 61.60 T1 Basalt**

54.8 - 61.6: CL on frags.

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
23.56	24.35	0.79	22757	0.06				
24.35	25.45	1.10	22758	0.015				
25.45	26.52	1.07	22759	0.015				
26.52	27.90	1.38	22760	0.015				
27.90	28.80	0.90	22761	0.015				
28.80	30.40	1.60	22762	0.33				
30.40	32.00	1.60	20432	0.015				
32.00	33.10	1.10	20433	0.12				
33.10	34.60	1.50	20434	0.015				
34.60	35.93	1.33	20435	0.015				
35.93	36.93	1.00	22763	0.04				
36.93	38.10	1.17	22764	0.03				
38.10	39.60	1.50	20436	0.015				
39.60	41.15	1.55	20437	0.05				
41.15	42.60	1.45	20438	0.16				
42.60	43.50	0.90	20439	0.015				
43.50	44.35	0.85	20441	0.015				
44.35	45.83	1.48	22765	0.03				
45.83	47.60	1.77	22766	0.7				
47.60	48.97	1.37	22767	1.28				
48.97	49.97	1.00	22768	3.03				
49.97	51.12	1.15	22769	0.23				
51.12	52.36	1.24	22770	0.74				
52.36	53.34	0.98	22771	0.92				
53.34	54.85	1.51	22774	0.72				
54.85	56.45	1.60	20442	0.015				
56.45	58.05	1.60	20443	0.015				

# Drill Log

Project:

Cassiar

Hole Number:

COR-03-02

From (m) To (m) Rocktype & Description

**61.60 65.60 T2 Basalt - Altered**

<<Alt: 61.6 - 65.6 moderate Ankerite>>

<<Struc: 63 - 65.6 weak Brecciated >> crackle bx

**65.60 97.10 T1 Basalt**

65.6 - 97.1: Strong CL as mm scale stringers and fracture fill.

<<Alt: 86.1 - 87 strong Ankerite>>

<<Struc: 86.1 - 87 weak fault 3 deg. >> Weak bxted narrow DO-CA vein/fit

**97.10 109.70 T2 Basalt - Altered**

<<Min: 98.1 - 102.4 5% pyrite>>

<<Alt: 97.13 - 109.7 strong Ankerite>>

<<Struc: 97.1 - 102.2 weak Brecciated >> crackle bx

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
58.05	59.65	1.60	20444	0.015				
59.65	61.17	1.52	20445	0.015				
61.17	63.48	2.31	22775	0.04				
63.48	65.53	2.05	22776	0.015				
65.53	67.05	1.52	20446	0.015				
67.05	68.60	1.55	20447	0.015				
68.60	70.15	1.55	20448	0.015				
70.15	71.55	1.40	20449	0.015				
71.55	73.10	1.55	20451	0.015				
73.10	74.60	1.50	20452	0.015				
74.60	77.80	3.20	20453	0.015				
77.80	79.40	1.60	20455	0.015				
79.40	81.00	1.60	20456	0.015				
81.00	82.60	1.60	20457	0.015				
82.60	84.20	1.60	20458	0.03				
84.20	86.10	1.90	20459	0.03				
86.10	87.19	1.09	22777	0.015				
87.19	88.60	1.41	20461	0.015				
88.60	90.10	1.50	20462	0.06				
90.10	91.70	1.60	20463	0.05				
91.70	93.20	1.50	20464	0.015				
93.20	94.60	1.40	20465	0.015				
94.60	95.70	1.10	20466	0.015				
95.70	97.13	1.43	22778	0.015				
97.13	98.13	1.00	22780	0.015				
98.13	99.17	1.04	22781	0.59				
99.17	100.40	1.23	22782	0.75				
100.40	101.40	1.00	22783	0.63				
101.40	102.90	1.50	22784	0.16				
102.90	104.20	1.30	22785	0.015				
104.20	105.70	1.50	22786	0.015				
105.70	107.00	1.30	22787	0.015				

# Drill Log

Project:

Cassiar

Hole Number:

COR-03-02

From (m) To (m) Rocktype & Description

**109.70 115.00 T1 Basalt**

<<Min: 110.9 - 118.6 7% pyrite>> Weak discontinuous QV with massive PY aggregate. Fuchsite in alt'd basalt

**115.00 121.70 T2 Basalt - Altered**

<<Alt: 115 - 121.7 strong Ankerite>> gradational alteration contacts top and bottom.

**121.70 134.80 T1 Basalt**

**134.80 136.50 T2 Basalt - Altered**

134.8 - 136.5: Brick red alteration over narrow zone with minor DO vein

<<Alt: 134.8 - 136.45 moderate Ankerite>>

**136.50 151.70 T1 Basalt**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
107.00	108.40	1.40	22788	0.015				
108.40	109.71	1.31	22789	0.015				
109.71	111.30	1.59	20467	0.015				
111.30	113.00	1.70	20468	0.015				
113.00	114.73	1.73	20469	0.015				
114.73	115.80	1.07	22790	0.07				
115.80	117.36	1.56	22791	1.09				
117.36	118.00	0.64	22792	3.05				
118.00	118.83	0.83	22795	0.97				
118.83	120.30	1.47	22796	0.015				
120.30	122.03	1.73	22797	0.015				
122.03	123.55	1.52	20471	0.015				
123.55	125.05	1.50	20472	0.015				
125.05	126.65	1.60	20473	0.015				
126.65	128.25	1.60	20474	0.015				
128.25	129.80	1.55	20475	0.015				
129.80	131.30	1.50	20476	0.015				
131.30	132.90	1.60	20477	0.015				
132.90	134.10	1.20	20478	0.015				
134.10	134.46	0.36	20479	0.015				
134.46	136.45	1.99	22798	0.015				
136.45	138.05	1.60	20481	0.015				
138.05	139.65	1.60	20482	0.015				
139.65	141.25	1.60	20483	0.015				
141.25	142.95	1.70	20484	0.015				
142.95	144.48	1.53	20485	0.015				
144.48	145.50	1.02	20486	0.015				
145.50	146.30	0.80	22799	0.015				
146.30	147.80	1.50	20487	0.015				
147.80	148.80	1.00	20488	0.015				
148.80	149.80	1.00	20489	0.015				

# Drill Log

Project:

Cassiar

Hole Number:

COR-03-02

From (m) To (m) Rocktype & Description

**151.70 156.40 T2 Basalt - Altered**

<<Min: 152.6 - 153.9 7% pyrite>>

<<Min: 152.6 - 153.9 1% arsenopyrite>> erratic qv shallow TCA, strong AS in wallrock at contact.

<<Alt: 151.7 - 156.4 strong Ankerite>> gradational alteration contacts

**156.40 162.30 T1F Magnetic/Jasper Pillow Basalt**

**162.30 166.50 T2 Basalt - Altered**

<<Min: 163.9 - 164.5 7% pyrite>> Narrow erratic QV at core of mineralization. <4cm. 1 showing of VG in QZ

<<Min: 164.2 - 164.25 10% tetrahedrite>> TT patches to 1.5 cm in QV

<<Min: 164.23 - 164.235 gold>> 1 speck in QZ

<<Vein: 165.4 - 165.6 Pyrite 30 deg. >> 1 flake VG in quartz. Minor AS

**166.50 182.30 T1F Magnetic/Jasper Pillow Basalt**

**182.30 184.30 T2 Basalt - Altered**

<<Alt: 182.3 - 184.3 strong Ankerite>> Sharp upper contact along 2mm calcite stringer.

**184.30 194.60 T1F Magnetic/Jasper Pillow Basalt**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
149.80	150.98	1.18	20491	0.03				
150.98	151.70	0.72	20492	0.015				
151.70	152.60	0.90	22800	0.03				
152.60	153.85	1.25	22801	1.2				
153.85	154.85	1.00	22802	0.015				
154.85	156.35	1.50	22803	0.015				
156.35	157.85	1.50	20493	0.015				
157.85	159.35	1.50	20494	0.015				
159.35	160.80	1.45	20495	0.015				
160.80	162.30	1.50	20496	0.015				
162.30	163.83	1.53	22804	0.015				
163.83	164.76	0.93	22805	3.61				
164.76	165.50	0.74	22808	0.015				
165.50	167.00	1.50	20497	0.015				
167.00	168.50	1.50	20498	0.015				
168.50	170.00	1.50	20499	0.015				
170.00	171.50	1.50	20501	0.015				
171.50	173.00	1.50	20502	0.015				
173.00	174.50	1.50	20503	0.015				
174.50	176.00	1.50	20504	0.015				
176.00	177.50	1.50	20505	0.015				
177.50	179.00	1.50	20506	0.015				
179.00	180.50	1.50	20507	0.015				
180.50	182.30	1.80	20508	0.015				
182.30	182.75	0.45	20509	0.015				
182.75	184.14	1.39	22809	0.2				
184.14	185.65	1.51	20511	0.6				
185.65	187.25	1.60	20512	0.015				
187.25	188.75	1.50	20513	0.015				
188.75	190.25	1.50	20514	0.015				
190.25	191.75	1.50	20515	0.015				
191.75	193.25	1.50	20516	0.015				
193.25	194.75	1.50	20517	0.015				

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**COR-03-02**

From (m)    To (m)                      Rocktype & Description

**194.60 202.00 T1                      Basalt**

194.6 - 202: Coarse grained flow(possibly intrusive). Weakly magnetic. Minor specular hematite.Minor xenoliths.

**202.00 206.35 T2                      Basalt - Altered**

202 - 206.35: Coarse grained flow (possibly intrusive). weakly altered at top of interval grading into strong AK alteration, with all mafics altered to ankerite and leucoxene

<<Alt: 202 - 206.35 moderate Ankerite>>

<<Vein: 204.3 - 204.5 Quartz>>

**End of Hole @ 206.35**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
194.75	196.25	1.50	20518	0.015				
196.25	197.75	1.50	20519	0.015				
197.75	199.35	1.60	20521	0.015				
199.35	200.90	1.55	20522	0.015				
200.90	202.40	1.50	20523	0.015				
202.40	204.10	1.70	20524	0.015				
204.10	205.10	1.00	22810	0.04				
205.10	206.75	1.65	22811	0.015				

# Drill Log

**Project:** Cassiar **Hole Number:** COR-03-06

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By:
Grid:	Hole Diameter:	Survey By:	Date Started:
UTM Easting:	Core Size:	Azimuth:	Date Completed:
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 151.48	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title:	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>3.00</b>	<b>OVB Overburden</b>									
<b>3.00</b>	<b>10.87</b>	<b>T2 Basalt - Altered</b>	3.00	4.40	1.40	37268	0.015				
<<Alt: 3 - 10.87 strong Ankerite>>			4.40	5.80	1.40	23001	0.8				
<<Vein: 4.6 - 4.64 Quartz 75 deg. >>			5.80	6.90	1.10	23002	1.41				
<<Vein: 6.1 - 6.18 Quartz>> Shear vein, banded with wall rock			6.90	8.62	1.72	23003	0.04				
<<Struc: 6 - 6.7 moderate fault breccia>>			8.62	9.62	1.00	23004	0.23				
<b>10.87</b>	<b>11.60</b>	<b>T10 Mafic Dyke</b>	9.62	10.87	1.25	23005	0.05				
10.87 - 11.6: Dark green, fine grain hornblendite. Not magnetic.			10.87	11.60	0.73	37269	0.015				
<b>11.60</b>	<b>28.36</b>	<b>T2 Basalt - Altered</b>	11.60	12.60	1.00	23006	0.37				
<<Min: 20.97 - 28.35 0.5% arsenopyrite>> Higher concentrations near mm and cm scale qtz veins			12.60	13.60	1.00	23007	3.86				
<<Min: 20.97 - 28.35 2% pyrite>> Higher concentrations near mm and cm scale qtz veins			13.60	15.52	1.92	23008	0.03				
<<Alt: 11.6 - 28.36 weak Ankerite>>			15.52	16.60	1.08	23010	0.32				
<<Vein: 13.19 - 13.23 Quartz 70 deg. >> Clean vein, extensional			16.60	18.00	1.40	23011	0.44				
<<Vein: 16.24 - 16.28 Quartz 60 deg. >>			18.00	19.00	1.00	23012	1.65				
			19.00	20.42	1.42	23015	0.33				
			20.42	22.00	1.58	23016	0.01				
			22.00	24.10	2.10	23017	1.88				



# Drill Log

Project:

Cassiar

Hole Number:

COR-03-06

From (m) To (m) Rocktype & Description

**28.36 31.10 T1 Basalt**  
**31.10 85.19 T2 Basalt - Altered**

<<Alt: 31.1 - 93.57 moderate Ankerite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
24.10	25.91	1.81	23018	0.05				
25.91	27.80	1.89	23019	0.88				
27.80	28.36	0.56	23020	0.05				
28.36	31.10	2.74	23021	0.01				
31.10	32.10	1.00	23022	0.08				
32.10	34.10	2.00	23023	0.15				
34.10	36.10	2.00	23024	0.04				
36.10	37.11	1.01	23025	0.42				
37.11	37.69	0.58	23026	1.86				
37.69	40.30	2.61	23027	0.14				
40.30	41.30	1.00	23028	0.42				
41.30	42.75	1.45	23029	0.03				
42.75	43.90	1.15	23030	0.04				
43.90	45.70	1.80	23031	1.42				
45.70	47.05	1.35	23032	1.17				
47.05	48.58	1.53	23033	0.07				
48.58	50.58	2.00	23034	0.04				
50.58	52.58	2.00	23035	0.03				
52.58	54.60	2.02	23036	0.05				
54.60	56.39	1.79	23038	1.69				
56.39	59.00	2.61	23041	0.48				
59.00	60.05	1.05	23042	0.77				
60.05	61.74	1.69	23043	0.38				
61.74	63.09	1.35	23044	0.65				
63.09	65.25	2.16	23045	1.11				
65.25	67.19	1.94	23046	0.25				
67.19	69.19	2.00	23047	0.49				
69.19	71.19	2.00	23048	0.73				
71.19	73.19	2.00	23049	0.07				
73.19	75.19	2.00	23050	0.01				
75.19	77.19	2.00	23051	0.04				
77.19	79.19	2.00	23052	0.06				
79.19	81.19	2.00	23053	0.08				
81.19	82.60	1.41	23054	0.47				
82.60	84.43	1.83	23055	0.16				

# Drill Log

Project:

Cassiar

Hole Number:

COR-03-06

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
84.43	86.00	1.57	23056	1.07				

**85.19 85.51 T5 Quartz Vein**

<<Vein: 85.19 - 85.51 Quartz>> Possibly extensional. Graphitic(?) stringers within the vein. The margins are not sharp and the vein material is fractures, unable to measure angle tca. Not able to measure angle tca. Minimal disseminated sulphides on either side of the vein.

**85.51 93.57 T2 Basalt - Altered**

<<Vein: 86.9 - 87 Quartz 50 deg. >> Slight banded texture. Hardly any disseminated sulphides haloing the vein. Increase in graphitic stringers as alteration halo of vein.

86.00	87.70	1.70	23057	0.58
87.70	89.00	1.30	23058	0.11

**93.57 101.39 T1 Basalt**

89.00	90.00	1.00	23059	2.04
90.00	91.44	1.44	23060	0.19
91.44	93.40	1.96	23061	0.05
93.40	94.90	1.50	37271	0.015
94.90	96.40	1.50	37272	0.015
96.40	97.90	1.50	37273	0.015
97.90	99.40	1.50	37274	0.015
99.40	101.00	1.60	37275	0.015
101.00	102.14	1.14	23062	0.97
102.14	104.14	2.00	23063	0.75
104.14	106.18	2.04	23066	5.82
106.18	107.60	1.42	23067	0.04
107.60	109.00	1.40	23068	0.89
109.00	110.33	1.33	23069	0.11
110.33	112.10	1.77	23070	0.01

**101.39 112.00 T2 Basalt - Altered**

<<Min: 101.39 - 112 1% pyrite>> Coarse eudral pyritohedrons throughout.

<<Alt: 101.39 - 112 moderate Ankerite>>

<<Vein: 103 - 103.14 Quartz>> Fractured, can't determine angle tca.

<<Vein: 103.38 - 103.47 Quartz>>

<<Vein: 103.52 - 103.62 Quartz>>

<<Vein: 105.15 - 105.34 Quartz>> Possibly a shear vein

**112.00 121.95 T1 Basalt**

<<Min: 116.66 - 121.01 2% pyrite>>

112.10	114.61	2.51	23071	0.01
114.61	116.66	2.05	23072	0.01
116.66	117.96	1.30	23073	0.73
117.96	119.50	1.54	37276	0.015
119.50	120.95	1.45	37277	0.03
120.95	121.95	1.00	37278	0.015
121.95	122.95	1.00	23074	0.01
122.95	124.70	1.75	23075	0.14
124.70	125.70	1.00	23076	0.56
125.70	127.10	1.40	23077	0.06

**121.95 127.10 T2 Basalt - Altered**

<<Alt: 121.95 - 127.1 moderate Ankerite>>

<<Alt: 123 - 126.05 strong Fe-Carbonate>> Zone is brecciated with carbonate rich fluids.

<<Struc: 123 - 126.05 moderate Brecciated >> Carbonate breccia. Likely related to a late fault structure.

# Drill Log

Project:

Cassiar

Hole Number:

COR-03-06

From (m) To (m) Rocktype & Description

**127.10 137.90 T1 Basalt**

**137.90 151.48 T2 Basalt - Altered**

<<Alt: 137.9 - 151.48 moderate Ankerite>>

**End of Hole @ 151.48**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
127.10	128.50	1.40	23078	0.01				
128.50	130.00	1.50	37279	0.015				
130.00	131.50	1.50	37281	0.015				
131.50	133.00	1.50	37282	0.015				
133.00	134.50	1.50	37283	0.015				
134.50	136.00	1.50	37284	0.015				
136.00	137.90	1.90	37285	0.015				
137.90	139.90	2.00	23079	0.01				
139.90	141.35	1.45	23080	0.03				
141.35	142.35	1.00	23081	0.43				
142.35	144.35	2.00	23082	0.08				
144.35	146.00	1.65	23083	0.05				
146.00	148.00	2.00	23084	0.36				
148.00	150.00	2.00	23085	0.04				
150.00	151.48	1.48	23086	0.03				

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**COR-03-11**

Prospect: Taurus  
 Grid:  
 UTM Easting  
 UTM Northing:  
 UTM Elev. (m):  
 Local Easting:  
 Local Northing:  
 Local Elev. (m):  
 Comments:  
 Re-log of historical hole of the same name

Hole Type: DD  
 Hole Diameter:  
 Core Size: NQ  
 Casing Pulled?:   
 Casing Depth (m):  
 Stored?:   
 Cemented?:

Survey Type: GPS  
 Survey By:  
 Azimuth:  
 Dip:  
 Length (m): 111.86  
 Claims Title  
 Work Place:

Logged By: Jim Lehtinen  
 Date Started: 25/06/2012  
 Date Completed: 25/06/2012  
 Drill Company:  
 Drill Rig:  
 Drill Started:  
 Drill Completed:

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>4.10</b>	<b>OVB Overburden</b>									
<b>4.10</b>	<b>15.50</b>	<b>T1 Basalt</b>	14.00	14.95	0.95	23251	0.015				
4.1 - 15.5: med green CA altered. Strongly broken at bottom of interval											
<<Struc: 8.2 - 8.6 weak fault 55 deg. >> Strongly broken, clay altered(near surface) weak calcite, broken											
<<Struc: 11 - 11.5 Fractured>> minor CY											
<<Struc: 13.8 - 16.2 Fractured>> MINOR FLT SLIPS											
<b>15.50</b>	<b>22.86</b>	<b>T2 Basalt - Altered</b>	16.15	17.37	1.22	23253	0.04				
15.5 - 22.86: minor <1cm quartz veins											
<<Alt: 15.5 - 22.86 moderate Ankerite>> In weak quartz stringered zone											
<<Vein: 15.7 - 16 Quartz>> Minor light green sericite											
<b>22.86</b>	<b>27.00</b>	<b>T1 Basalt</b>	17.37	19.55	2.18	23254	0.05				
22.86 - 27: Med. Green.Numerous calcite fractures. Strong CA alteration											
<b>27.00</b>	<b>47.10</b>	<b>T2 Basalt - Altered</b>	19.55	21.95	2.40	23255	0.03				
<<Min: 43.4 - 45 3% pyrite>> Tr AS											
<<Min: 46.5 - 47.1 5% pyrite>>											
			21.95	22.80	0.85	23256	0.34				
			22.80	25.00	2.20	23257	0.04				
			25.00	27.00	2.00	23258	0.03				
			27.00	28.70	1.70	23259	0.18				
			28.70	29.55	0.85	23260	0.73				
			29.55	32.00	2.45	23263	0.015				

# Drill Log

Project:

Cassiar

Hole Number:

COR-03-11

From (m) To (m) Rocktype & Description

<<Alt: 27 - 44.1 strong Ankerite>>  
 <<Alt: 44.1 - 47.1 intense Ankerite>>  
 <<Vein: 29 - 29.2 Quartz 40 deg. >> Strongly broken vein with fault surface at 40TCA = contact?  
 <<Vein: 39.5 - 39.7 Quartz 30 deg. >> Euhedral DO xtals  
 <<Vein: 44.7 - 44.73 Quartz>> PY and AS on vein contact

**47.10 48.10 T5 Quartz Vein**

<<Min: 47.1 - 48.1 5% pyrite>>  
 <<Vein: 47.1 - 48.1 Quartz>> Some clotty PY and fracture fill. Tr AS

**48.10 48.50 T2 Basalt - Altered**

<<Min: 48.1 - 48.5 3% pyrite>>  
**48.50 49.40 T5 Quartz Vein**  
 <<Min: 48.5 - 49.4 3% pyrite>> Tr As  
 <<Vein: 48.5 - 49.4 Quartz>> Same as vein above

**49.40 51.80 T2 Basalt - Altered**

<<Min: 49.4 - 50.5 7% pyrite>> pyritohedrons up to 1 cm  
 <<Alt: 49.4 - 50 intense Ankerite>>  
 <<Alt: 50 - 51.8 strong Ankerite>>

**51.80 63.00 T1 Basalt**

51.8 - 63: calcite altered

**63.00 67.80 T2 Basalt - Altered**

<<Min: 63.3 - 64.2 5% pyrite>>  
 <<Alt: 63 - 67.8 moderate Ankerite>>  
 <<Alt: 67.5 - 71.9 strong Calcite>>

**67.80 71.90 T1 Basalt**

67.8 - 71.9: calcite altered

<<Alt: 67.8 - 71.9 strong Calcite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
32.00	34.00	2.00	23264	0.03				
34.00	36.00	2.00	23265	0.04				
36.00	37.50	1.50	23266	0.04				
37.50	39.80	2.30	23267	0.44				
39.80	41.80	2.00	23268	0.015				
41.80	43.40	1.60	23269	0.03				
43.40	45.00	1.60	23270	2.97				
45.00	46.00	1.00	23271	1.31				
46.00	47.25	1.25	23272	2.29				
47.25	49.50	2.25	23273	1.19				

49.50	50.30	0.80	23276	2.14
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50.30	52.00	1.70	23277	0.03
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52.00	53.00	1.00	23278	0.015
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61.00	61.85	0.85	23279	0.015
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61.85	63.15	1.30	23280	0.015
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63.15	64.40	1.25	23281	0.88
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64.45	66.15	1.70	23283	0.06
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71.00	72.10	1.10	23284	0.05
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# Drill Log

Project:

Cassiar

Hole Number:

COR-03-11

From (m) To (m) Rocktype & Description

<<Alt: 67.8 - 71.9 weak Ankerite>>

**71.90 77.20 T2 Basalt - Altered**

<<Min: 75.8 - 77.2 5% pyrite>> pyritohedrons

<<Alt: 71.9 - 76 moderate Ankerite>>

<<Alt: 76 - 77.2 intense Ankerite>>

**77.20 77.70 T5 Quartz Vein**

<<Min: 77.2 - 77.7 1% pyrite>>

<<Vein: 77.2 - 77.7 Quartz>> Trace PY, AS

**77.70 79.10 T2 Basalt - Altered**

<<Min: 77.7 - 79.1 3% pyrite>>

<<Alt: 77.7 - 79.1 intense Ankerite>>

**79.10 79.40 T5 Quartz Vein**

<<Min: 79.1 - 79.4 5% pyrite>>

<<Vein: 79.1 - 79.4 Quartz>> Sx in fractures, PY, tr AS

**79.40 82.10 T2 Basalt - Altered**

<<Min: 79.4 - 80.4 3% pyrite>>

<<Alt: 79.4 - 84.1 strong Ankerite>>

**82.10 84.10 T2 Basalt - Altered**

82.1 - 84.1: Strong fractures, some healed, variable crackle texture

<<Min: 82.2 - 89.6 3% pyrite>> Highly variable concentrations over entire interval. Tr AS

<<Struc: 82.1 - 93 Fractured>> Fault zone. Very strongly fractured, veined and partially healed. Minor clay alteration, slick surfaces, variably sheared throughout interval

**84.10 85.20 T5 Quartz Vein**

84.1 - 85.2: Broken vein with clay and sulphide slip surfaces

<<Vein: 84.1 - 85.2 Quartz>> Extremely broken vein in fault zone

**85.20 89.60 T2 Basalt - Altered**

85.2 - 89.6: Altered and broken core with fault slick surfaces

<<Alt: 85.2 - 94 moderate Ankerite>>

<<Struc: 86 - 86 Slickens 75 deg. >>

**89.60 89.90 T5 Quartz Vein**

89.6 - 89.9: broken core

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
72.10	74.00	1.90	23285	0.68				
74.00	75.95	1.95	23286	0.14				
75.95	78.00	2.05	23287	2.14				
78.00	80.25	2.25	23288	2.55				
80.25	81.90	1.65	23291	0.04				
81.90	83.82	1.92	23292	2.61				
83.82	85.25	1.43	23293	2.18				
85.25	86.87	1.62	23294	1.97				
86.87	88.20	1.33	23295	0.12				
88.20	90.75	2.55	23296	1.41				

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**COR-03-11**

From (m)    To (m)                      Rocktype & Description

<<Min: 89.6 - 90.75 3% pyrite>>    Variable concentrations in strongly broken core

<<Vein: 89.6 - 89.9 Quartz>>    Strongly fractured vein in fault zone

**89.90    98.60 T2                      Basalt - Altered**

89.9 - 98.6: Variably AK altered. Strongest near structures and stringers

<<Min: 92.9 - 93.8 5% pyrite>>    pyritohedrons

<<Alt: 94 - 95.4 moderate Calcite>>    Bleached colour, minor chlorite

<<Alt: 95.4 - 98.6 moderate Ankerite>>    Some crackle texture and DO stringers sub parallel to foliation

<<Struc: 98.2 - 98.3 strong Sheared 55 deg. >>    Bottom shear in the large interval from 82.1-98.3

**98.60    111.86 T1                      Basalt**

98.6 - 111.86: Med green weak crackle texture, weak CA alt'n.

**End of Hole @ 111.86**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
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90.75	92.00	1.25	23297	0.03				
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92.00	93.75	1.75	23298	0.51				
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93.75	95.00	1.25	23299	0.03				
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# Drill Log

**Project:** Cassiar **Hole Number:** 05BY-01

Prospect:	Newcoast	Hole Type:	Survey Type:	GPS	Logged By:
Grid:		Hole Diameter:	Survey By:		Date Started:
UTM Easting		Core Size:	Azimuth:		Date Completed:
UTM Northing:		Casing Pulled?: <input type="checkbox"/>	Dip:		Drill Company:
UTM Elev. (m):		Casing Depth (m):	Length (m):	205.8	Drill Rig:
Local Easting:		Stored?: <input type="checkbox"/>	Claims Title		Drill Started:
Local Northing:		Cemented?: <input type="checkbox"/>	Work Place:		Drill Completed:
Local Elev. (m):					
Comments:					

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>5.50</b>	<b>OVB Overburden</b>									
<b>5.50</b>	<b>17.20</b>	<b>T1 Basalt</b>									
<b>17.20</b>	<b>17.60</b>	<b>FLG Fault gouge</b>									
<b>17.60</b>	<b>42.30</b>	<b>T1 Basalt</b>									
<b>42.30</b>	<b>43.60</b>	<b>T2 Basalt - Altered</b>	42.30	43.60	1.30	44301	2.18				
<<Min: 42.3 - 43.6 2% pyrite>>											
<<Vein: 43 - 43.01 Quartz 30 deg. >>											
<b>43.60</b>	<b>49.30</b>	<b>T1 Basalt</b>									
<b>49.30</b>	<b>51.40</b>	<b>T2 Basalt - Altered</b>	49.30	50.35	1.05	44302	0.03				
<<Min: 49.3 - 51.4 1% pyrite>>											
<<Vein: 50.45 - 50.46 Quartz 10 deg. >>											
<b>51.40</b>	<b>54.20</b>	<b>T1 Basalt</b>									
<b>54.20</b>	<b>56.95</b>	<b>T2 Basalt - Altered</b>	54.20	54.80	0.60	44304	0.13				
<<Min: 56.7 - 58.4 7% pyrite>>											
<<Vein: 54.55 - 54.56 Quartz 30 deg. >>											
<<Vein: 55.26 - 55.27 Quartz 25 deg. >>											
<<Vein: 55.8 - 55.81 Quartz 30 deg. >>											
<<Vein: 56.2 - 56.21 Quartz 10 deg. >>											
			56.90	56.90	0.90	44307	0.88				
			56.90	57.80	0.90	44308	36.06				



# Drill Log

Project:

Cassiar

Hole Number:

05BY-01

From (m) To (m) Rocktype & Description

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
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<<Vein: 56.6 - 56.61 Quartz 15 deg. >>

**56.95 57.80 T5 Quartz Vein**

56.95 - 57.8: Shear quartz vein with ~10% Py

**57.80 59.30 T2 Basalt - Altered**

<<Min: 57.9 - 57.91 0.01% gold>>

<<Vein: 57.85 - 57.86 Quartz 40 deg. >>

**59.30 59.75 T2 Basalt - Altered**

59.3 - 59.75: Py-rich T2 crackle breccia

<<Struc: 59.3 - 59.75 Brecciated >> Crackle Breccia

**59.75 73.05 T2 Basalt - Altered**

<<Min: 59.75 - 64.7 1% pyrite>>

<<Min: 66 - 68.8 1% tetrahedrite>>

<<Min: 66 - 68.8 5% pyrite>>

<<Min: 69.7 - 77.7 8% pyrite>> In veins, as pyritohedrons, and finely disseminated

<<Vein: 66.1 - 66.2 Quartz 30 deg. >>

<<Vein: 67.6 - 67.7 Quartz 35 deg. >>

<<Vein: 68.4 - 68.5 Quartz 15 deg. >>

<<Vein: 69.75 - 69.8 Quartz 35 deg. >>

<<Vein: 71.3 - 71.31 Quartz 10 deg. >>

<<Vein: 71.8 - 71.95 Quartz 20 deg. >>

<<Vein: 72.05 - 72.06 Quartz 20 deg. >>

**73.05 73.50 T5 Quartz Vein**

73.05 - 73.5: Shear quartz vein

**73.50 77.10 T2 Basalt - Altered**

<<Vein: 74 - 74.01 Quartz 25 deg. >>

**77.10 79.60 SHZ Shear Zone**

<<Vein: 77.1 - 77.3 Quartz>>

**79.60 88.20 T2 Basalt - Altered**

57.80	58.30	0.50	44309	1.94
58.30	59.15	0.85	44311	0.1
59.15	59.30	0.15	44312	0.06
59.30	59.60	0.30	44313	0.06

59.60	59.70	0.10	44314	0.1
59.70	60.40	0.70	44315	0.07
60.40	61.55	1.15	44316	0.07
61.55	62.65	1.10	44317	0.06
62.65	63.70	1.05	44318	0.04
63.70	64.70	1.00	44319	0.05
64.70	65.90	1.20	44321	0.06
65.90	66.80	0.90	44322	1.94
66.80	67.70	0.90	44323	2.3
67.70	68.60	0.90	44324	4.22
68.60	69.70	1.10	44325	0.38
69.70	70.50	0.80	44326	0.05
70.50	71.10	0.60	44327	0.28
71.10	72.00	0.90	44328	1.6
72.00	73.00	1.00	44329	1.47
73.00	74.00	1.00	44331	3.95

74.00	75.50	1.50	44332	0.32
75.50	77.00	1.50	44333	0.04
77.00	77.40	0.40	44334	0.34
77.40	78.90	1.50	44335	0.05

83.00	83.90	0.90	44336	2.75
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# Drill Log

Project:

Cassiar

Hole Number:

05BY-01

From (m) To (m) Rocktype & Description

<<Min: 83.2 - 83.9 5% pyrite>>

<<Min: 83.9 - 85.45 2% pyrite>>

<<Min: 85.45 - 88.2 3% pyrite>>

<<Vein: 83.4 - 83.41 Quartz 15 deg. >>

<<Vein: 84.2 - 84.25 Quartz 25 deg. >>

**88.20 92.40 T1 Basalt**

**92.40 94.30 T2 Basalt - Altered**

**94.30 103.95 T1 Basalt**

**103.95 105.00 T2 Basalt - Altered**

**105.00 105.70 T2 Basalt - Altered**

105 - 105.7: Crackle breccia T2 with pods and inclusions of quartz

<<Min: 105 - 105.7 0.5% pyrite>>

<<Struc: 105 - 105.7 Brecciated >> Crackle Breccia

**105.70 107.60 T2 Basalt - Altered**

**107.60 109.30 T1 Basalt**

**109.30 110.50 T2 Basalt - Altered**

**110.50 111.60 T2 Basalt - Altered**

110.5 - 111.6: Crackle breccia T2 with pods and inclusions of quartz

<<Min: 110.5 - 111.6 2% pyrite>>

<<Struc: 110.5 - 111.6 Brecciated >>

**111.60 112.75 T2 Basalt - Altered**

**112.75 113.85 T2 Basalt - Altered**

112.75 - 113.85: Crackle breccia T2 with pods and inclusions of quartz

<<Min: 112.75 - 113.85 2% pyrite>>

<<Struc: 112.75 - 113.85 Brecciated >>

**113.85 114.60 T5 Quartz Vein**

113.85 - 114.6: Deformed shear vein

**114.60 120.50 T2 Basalt - Altered**

<<Min: 114.6 - 115.9 3% pyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
83.90	84.70	0.80	44337	8.06				
84.70	85.45	0.75	44338	4.78				
85.45	86.95	1.50	44339	4.41				
86.95	88.00	1.05	44341	0.79				
92.40	93.85	1.45	44342	0.1				
103.95	105.40	1.45	44343	0.04				
105.40	106.50	1.10	44344	0.1				
106.50	107.60	1.10	44345	0.08				
107.60	108.50	0.90	44346	0.01				
108.50	109.30	0.80	44347	0.01				
109.30	110.50	1.20	44348	0.03				
110.50	111.70	1.20	44349	0.07				
111.70	112.90	1.20	44351	0.1				
112.90	113.85	0.95	44352	0.21				
113.85	114.60	0.75	44353	0.11				
114.60	115.90	1.30	44354	2.03				
115.90	117.20	1.30	44355	0.11				

# Drill Log

Project:

Cassiar

Hole Number:

05BY-01

From (m) To (m) Rocktype & Description

<<Min: 115.9 - 120.5 0.5% pyrite>>

<<Vein: 115.1 - 115.11 Quartz 45 deg. >>

<<Vein: 115.4 - 115.45 Quartz 30 deg. >>

**120.50 123.90 SHZ Shear Zone**

<<Min: 120.5 - 128 3% pyrite>>

**123.90 124.40 T5 Quartz Vein**

123.9 - 124.4: Deformed shear vein

**124.40 125.70 T2 Basalt - Altered**

<<Vein: 125.1 - 125.15 Quartz>>

<<Vein: 125.5 - 125.55 Quartz>>

**125.70 126.50 FLG Fault gouge**

**126.50 128.00 SHZ Shear Zone**

<<Vein: 126.9 - 126.92 Quartz 30 deg. >>

**128.00 135.70 T2 Basalt - Altered**

<<Min: 128 - 135.7 2% pyrite>>

<<Vein: 130.4 - 130.41 Quartz 15 deg. >>

<<Vein: 131.55 - 131.66 Quartz 20 deg. >>

<<Vein: 133.45 - 133.5 Quartz 20 deg. >>

<<Vein: 133.9 - 133.95 Quartz 20 deg. >>

**135.70 141.60 SHZ Shear Zone**

<<Min: 135.7 - 141.6 3% pyrite>>

<<Vein: 135.8 - 135.81 Quartz 10 deg. >>

<<Vein: 139.95 - 140 Quartz>>

**141.60 151.80 T2 Basalt - Altered**

<<Min: 141.6 - 151.8 0.1% pyrite>>

<<Vein: 148 - 148.01 Quartz 10 deg. >>

<<Vein: 148.7 - 148.72 Quartz 10 deg. >>

**151.80 155.40 T1 Basalt**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
117.20	118.50	1.30	44356	0.08				
118.50	119.70	1.20	44357	0.09				
119.70	121.00	1.30	44358	1.73				
121.00	122.20	1.20	44359	2.38				
122.20	123.40	1.20	44361	0.693				
123.40	124.60	1.20	44362	1.1				
124.60	125.70	1.10	44363	1.62				
125.70	127.05	1.35	44364	1.68				
127.05	128.00	0.95	44366	2.34				
128.00	129.00	1.00	44367	0.03				
129.00	130.00	1.00	44368	0.03				
130.00	130.80	0.80	44369	0.19				
130.80	132.25	1.45	44371	2.72				
132.25	133.30	1.05	44372	1.51				
133.30	134.40	1.10	44373	0.27				
134.40	135.80	1.40	44374	1.27				
135.80	137.00	1.20	44375	0.56				
137.00	137.65	0.65	44376	0.35				
137.65	139.00	1.35	44377	0.27				
139.00	140.30	1.30	44378	1.35				
140.30	141.10	0.80	44379	1.02				
141.10	142.10	1.00	44381	0.53				
142.10	143.30	1.20	44382	0.2				
143.30	144.50	1.20	44383	0.05				
144.50	145.80	1.30	44384	0.02				
149.55	150.70	1.15	44385	0.04				
150.70	151.80	1.10	44386	0.06				

# Drill Log

Project:

Cassiar

Hole Number:

05BY-01

From (m) To (m) Rocktype & Description

**155.40 168.95 T2 Basalt - Altered**

<<Min: 167.9 - 170.5 2% pyrite>>

<<Vein: 161.3 - 161.31 Quartz 10 deg. >>

<<Vein: 166.75 - 166.76 Quartz 10 deg. >>

**168.95 169.70 T5 Quartz Vein**

**169.70 179.80 T2 Basalt - Altered**

<<Min: 170.5 - 179.8 2% pyrite>>

**179.80 181.00 T2 Basalt - Altered**

179.8 - 181: Crackle breccia T2 with pods and inclusions of quartz

<<Struc: 179.8 - 181 Brecciated >>

**181.00 181.40 T5 Quartz Vein**

**181.40 184.60 T2 Basalt - Altered**

181.4 - 184.6: Crackle breccia T2 with pods and inclusions of quartz

<<Min: 181.4 - 184.6 2% pyrite>>

<<Struc: 181.4 - 184.6 Brecciated >>

**184.60 197.30 T2 Basalt - Altered**

<<Min: 184.6 - 192.9 3% pyrite>>

<<Vein: 184.7 - 184.71 Quartz 10 deg. >>

<<Vein: 187.85 - 187.86 Quartz 10 deg. >>

<<Vein: 188.15 - 188.17 Quartz 10 deg. >>

<<Vein: 188.7 - 188.75 Quartz>>

<<Vein: 190.5 - 190.52 Quartz 30 deg. >>

<<Vein: 191.2 - 191.21 Quartz 30 deg. >>

**197.30 205.80 T1 Basalt**

**End of Hole @ 205.8**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
157.80	158.60	0.80	44387	0.01				
167.65	168.95	1.30	44388	1.86				
168.95	169.70	0.75	44389	5.73				
169.70	170.50	0.80	44391	0.94				
179.80	181.00	1.20	44392	0.58				
181.00	181.40	0.40	44393	0.15				
181.40	182.60	1.20	44394	0.48				
182.60	183.90	1.30	44395	0.56				
183.90	184.80	0.90	44396	0.92				
184.80	185.95	1.15	44397	2.06				
185.95	187.15	1.20	44398	0.59				
187.15	188.10	0.95	44399	0.52				
188.10	189.40	1.30	44401	2.89				
189.40	190.10	0.70	44402	1.09				
190.10	191.20	1.10	44403	2.02				
191.20	192.60	1.40	44404	1.89				
192.60	193.15	0.55	44405	1.18				

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**05SV-03**

Prospect: Newcoast

Hole Type:

Survey Type: GPS

Logged By: Ron Voordouw

Grid:

Hole Diameter:

Survey By:

Date Started:

UTM Easting

Core Size:

Azimuth:

Date Completed:

UTM Northing:

Casing Pulled?:

Dip:

Drill Company:

UTM Elev. (m):

Casing Depth (m):

Length (m): 218

Drill Rig:

Local Easting:

Stored?:

Claims Title

Drill Started:

Local Northing:

Cemented?:

Work Place:

Drill Completed:

Local Elev. (m):

Comments:

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>3.00</b>	<b>OVB Overburden</b>									
<b>3.00</b>	<b>4.50</b>	<b>T2 Basalt - Altered</b>									
<<Min: 3 - 4.5 0.5% pyrite>>											
<b>4.50</b>	<b>8.41</b>	<b>T2 Basalt - Altered</b>	6.50	7.40	0.90	45283	0.15				
<<Vein: 7.75 - 7.76 Quartz 65 deg. >>											
			7.40	8.30	0.90	45284	0.23				
<<Struc: 4.5 - 8.41 Brecciated >>											
<b>8.41</b>	<b>13.40</b>	<b>T2 Basalt - Altered</b>									
<b>13.40</b>	<b>13.70</b>	<b>T10 Mafic Dyke</b>									
<b>13.70</b>	<b>25.69</b>	<b>T1 Basalt</b>									
<b>25.69</b>	<b>31.90</b>	<b>T2 Basalt - Altered</b>									
<b>31.90</b>	<b>34.60</b>	<b>T2 Basalt - Altered</b>	32.00	32.80	0.80	45285	0.01				
<<Min: 33.1 - 34.6 1% pyrite>>											
			32.80	33.80	1.00	45286	0.25				
<<Vein: 33.95 - 33.952 Quartz 60 deg. >>											
			33.80	34.70	0.90	45287	0.59				
<<Vein: 34.55 - 34.553 Quartz 60 deg. >>											
<<Struc: 31.9 - 34.6 Brecciated >>											
<b>34.60</b>	<b>34.90</b>	<b>T5 Quartz Vein</b>	34.70	35.90	1.20	45288	0.25				
<<Min: 34.6 - 35.7 1% pyrite>>											

# Drill Log

Project:

Cassiar

Hole Number:

05SV-03

From (m) To (m) Rocktype & Description

**34.90 37.15 T2 Basalt - Altered**

<<Vein: 35.8 - 35.81 Quartz 80 deg. >>

<<Struc: 34.9 - 37.15 Brecciated >>

**37.15 38.54 T2 Basalt - Altered**

**38.54 40.30 FLG Fault gouge**

**40.30 40.84 T2 Basalt - Altered**

**40.84 42.97 FLG Fault gouge**

<<Vein: 41.8 - 41.81 Quartz>>

**42.97 46.80 T1 Basalt**

**46.80 51.50 FLG Fault gouge**

**51.50 53.40 T2 Basalt - Altered**

<<Min: 51.5 - 53.4 0.1% pyrite>>

<<Struc: 51.5 - 53.4 Brecciated >>

**53.40 57.21 T2 Basalt - Altered**

**57.21 57.85 FLG Fault gouge**

**57.85 61.23 T2 Basalt - Altered**

<<Vein: 59.3 - 59.31 Quartz 10 deg. >>

<<Struc: 57.85 - 61.23 Brecciated >>

**61.23 62.10 T5 Quartz Vein**

<<Min: 61.63 - 63.85 0.1% pyrite>>

**62.10 66.20 T2 Basalt - Altered**

<<Min: 63.85 - 67.78 2% pyrite>>

<<Vein: 64.72 - 64.725 Quartz 10 deg. >>

<<Vein: 65.27 - 65.28 Quartz>>

<<Vein: 65.42 - 65.43 Quartz>>

**66.20 67.80 T2 Basalt - Altered**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
35.90	37.10	1.20	45289	0.06				
37.10	37.60	0.50	45291	0.02				
37.60	39.30	1.70	45292	0.03				
39.30	40.90	1.60	45293	0.01				
40.90	41.80	0.90	45294	0.24				
41.80	42.70	0.90	45295	0.22				
47.30	48.70	1.40	45296	0.07				
48.70	50.30	1.60	45297	0.13				
50.30	51.30	1.00	45298	0.01				
51.30	52.40	1.10	45299	0.01				
52.40	53.40	1.00	79151	0.06				
53.40	54.60	1.20	79152	0.02				
54.60	55.50	0.90	79153	0.02				
55.50	56.40	0.90	79154	0.02				
56.40	57.90	1.50	79155	0.09				
57.90	59.30	1.40	79156	0.03				
59.30	60.40	1.10	79157	0.19				
60.40	61.50	1.10	79158	0.04				
61.50	62.10	0.60	79159	0.13				
62.10	63.20	1.10	79161	0.03				
63.20	64.20	1.00	79162	0.4				
64.20	65.20	1.00	79163	0.87				
65.20	66.20	1.00	79164	1.21				
66.20	67.60	1.40	79165	1.57				

# Drill Log

Project:

Cassiar

Hole Number:

05SV-03

From (m) To (m) Rocktype & Description

<<Min: 67.78 - 68.95 1% pyrite>>

<<Struc: 66.2 - 67.8 Brecciated >>

**67.80 68.10 T5**

**Quartz Vein**

**68.10 73.60 T2**

**Basalt - Altered**

<<Min: 68.95 - 73.6 0.1% pyrite>>

<<Struc: 68.1 - 73.6 Brecciated >>

**73.60 75.20 T5**

**Quartz Vein**

<<Min: 73.6 - 75.2 1% tetrahedrite>>

<<Min: 73.6 - 75.2 0.1% pyrite>>

**75.20 82.87 T2**

**Basalt - Altered**

<<Min: 75.2 - 78.85 1% pyrite>>

<<Min: 78.85 - 82.9 0.1% pyrite>>

<<Vein: 76.4 - 76.44 Quartz 20 deg. >>

<<Vein: 77.35 - 77.37 Quartz>>

**82.87 91.02 T2**

**Basalt - Altered**

**91.02 91.45 SHZ**

**Shear Zone**

**91.45 91.76 T1**

**Basalt**

**91.76 92.06 FLG**

**Fault gouge**

**92.06 92.36 T2**

**Basalt - Altered**

**92.36 99.56 T1**

**Basalt**

**99.56 99.86 FLG**

**Fault gouge**

**99.86 101.15 T1**

**Basalt**

**101.15 104.73 T2**

**Basalt - Altered**

**104.73 105.04 SHZ**

**Shear Zone**

**105.04 105.58 T2**

**Basalt - Altered**

**105.58 106.38 FLG**

**Fault gouge**

**106.38 106.75 T2**

**Basalt - Altered**

**106.75 107.17 FLG**

**Fault gouge**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
67.60	68.60	1.00	79166	1.33				

68.60	69.50	0.90	79167	0.46				
69.50	70.50	1.00	79168	0.07				
70.50	71.60	1.10	79169	0.34				
71.60	72.60	1.00	79171	0.16				
72.60	73.60	1.00	79172	0.17				
73.60	75.20	1.60	79173	0.72				

75.20	76.20	1.00	79174	0.4				
76.20	77.20	1.00	79175	1.28				
77.20	78.20	1.00	79176	0.42				
78.20	79.20	1.00	79177	0.04				
79.20	80.00	0.80	79178	0.19				
80.00	80.80	0.80	79179	0.02				
80.80	81.60	0.80	79181	0.03				

105.50	106.50	1.00	79184	0.04				
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106.50	107.50	1.00	79185	0.02				
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# Drill Log

Project:

Cassiar

Hole Number:

05SV-03

From (m) To (m) Rocktype & Description

**107.17 110.85 T2 Basalt - Altered**

<<Min: 108.4 - 109.7 0.5% pyrite>>

<<Vein: 108.55 - 108.56 Quartz 85 deg. >>

**110.85 111.17 FLG Fault gouge**

**111.17 113.60 T1 Basalt**

**113.60 125.10 T2 Basalt - Altered**

<<Vein: 117.54 - 117.56 Quartz 65 deg. >>

<<Vein: 119.57 - 119.573 Quartz 70 deg. >>

<<Vein: 119.63 - 119.73 Quartz>>

<<Vein: 120.2 - 120.205 Quartz 70 deg. >>

**125.10 133.42 T1 Basalt**

**133.42 133.80 T2 Basalt - Altered**

**133.80 134.10 FLG Fault gouge**

**134.10 144.67 T2 Basalt - Altered**

<<Min: 137.86 - 138.8 1% pyrite>>

<<Vein: 138.04 - 138.042 Quartz 65 deg. >>

<<Vein: 138.1 - 138.15 Quartz>>

<<Vein: 140.57 - 140.573 Quartz 45 deg. >>

<<Vein: 142.05 - 142.07 Quartz 65 deg. >>

**144.67 153.60 T1 Basalt**

**153.60 163.94 T2 Basalt - Altered**

<<Min: 154.7 - 155.06 0.5% pyrite>>

<<Min: 158.62 - 159.02 0.5% pyrite>>

<<Min: 161.95 - 162.7 0.01% tetrahedrite>>

<<Min: 161.95 - 162.7 1% pyrite>>

<<Vein: 154.9 - 154.902 Quartz 70 deg. >>

<<Vein: 157.18 - 157.181 Quartz 75 deg. >>

<<Vein: 158.9 - 158.91 Quartz 80 deg. >>

<<Vein: 159.42 - 159.422 Calcite 15 deg. >>

<<Vein: 162.3 - 162.35 Quartz 10 deg. >>

**163.94 166.45 T1 Basalt**

**166.45 167.10 T10 Mafic Dyke**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
107.50	108.50	1.00	79186	0.07				
108.50	109.50	1.00	79187	0.17				
109.50	110.50	1.00	79188	0.06				

119.10	121.00	1.90	79182	0.04				
121.00	122.00	1.00	79183	0.02				

137.80	139.00	1.20	79189	0.27				
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161.50	162.50	1.00	79191	1.19				
162.50	163.20	0.70	79192	0.14				



# Drill Log

Project:

Cassiar

Hole Number:

05SV-03

From (m) To (m) Rocktype & Description

**167.10 167.84 T1 Basalt**

<<Vein: 167.4 - 167.402 Calcite 10 deg. >>

**167.84 170.68 T2 Basalt - Altered**

<<Vein: 168.54 - 168.541 Ankerite 75 deg. >>

**170.68 179.06 T1 Basalt**

<<Vein: 172.28 - 172.3 Quartz 80 deg. >>

<<Vein: 176.82 - 176.85 Quartz 70 deg. >>

**179.06 184.64 T2 Basalt - Altered**

<<Min: 180.22 - 180.88 1% pyrite>>

<<Min: 180.88 - 182.37 0.5% pyrite>>

<<Min: 182.37 - 183.2 2% pyrite>>

<<Min: 182.37 - 183.2 0.01% arsenopyrite>>

<<Min: 183.2 - 183.72 0.5% pyrite>>

<<Vein: 180.76 - 180.78 Quartz 70 deg. >>

<<Vein: 182.52 - 182.525 Quartz 55 deg. >>

<<Vein: 182.76 - 182.77 Quartz 50 deg. >>

<<Vein: 183.15 - 183.2 Quartz 60 deg. >>

**184.64 185.00 T2 Basalt - Altered**

<<Struc: 184.64 - 185 Brecciated >>

**185.00 185.43 CV Carbonate Vein**

**185.43 187.35 FLG Fault gouge**

**187.35 189.30 T2 Basalt - Altered**

<<Struc: 187.35 - 189.3 Brecciated >>

**189.30 189.80 CV Carbonate Vein**

**189.80 190.70 T2 Basalt - Altered**

<<Min: 190.55 - 192.3 0.5% pyrite>>

<<Vein: 190.25 - 190.3 Calcite>>

<<Vein: 190.6 - 190.65 Quartz>>

**190.70 197.70 T2 Basalt - Altered**

<<Min: 193.25 - 193.65 1% pyrite>>

<<Min: 193.65 - 197.05 0.1% pyrite>>

<<Min: 197.05 - 198.2 3% pyrite>>

<<Vein: 191.1 - 191.11 Quartz 80 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
----------	--------	-------	--------	------------	--------	--------	--------	--------

180.00	181.25	1.25	79193	0.08				
181.25	182.50	1.25	79194	0.28				
182.50	183.20	0.70	79195	1.39				
183.20	184.10	0.90	79196	0.03				
184.10	185.00	0.90	79197	0.01				

185.00	186.20	1.20	79198	0.09				
186.20	187.40	1.20	79199	0.05				
187.40	188.40	1.00	79201	0.02				
188.40	189.40	1.00	79202	0.07				
189.40	190.40	1.00	79203	0.01				
190.40	191.40	1.00	79204	1.07				

191.40	192.30	0.90	79205	0.46				
192.30	193.60	1.30	79206	0.08				
196.60	197.10	0.50	79207	0.36				
197.10	198.20	1.10	79208	7.32				

# Drill Log

Project:

Cassiar

Hole Number:

05SV-03

From (m) To (m) Rocktype & Description

<<Vein: 191.35 - 191.4 Quartz 80 deg. >>  
 <<Vein: 191.85 - 191.9 Quartz 75 deg. >>  
 <<Vein: 192.15 - 192.16 Quartz 75 deg. >>  
 <<Vein: 192.24 - 192.25 Quartz 55 deg. >>  
 <<Vein: 197.3 - 197.35 Quartz 80 deg. >>  
 <<Vein: 197.65 - 197.7 Quartz 85 deg. >>

**197.70 198.20 T2 Basalt - Altered**

<<Vein: 197.8 - 197.85 Quartz 80 deg. >>  
 <<Struc: 197.7 - 198.2 Brecciated >>

**198.20 198.85 T5 Quartz Vein**

<<Min: 198.2 - 198.85 0.01% tetrahedrite>>  
 <<Min: 198.2 - 198.85 0.5% pyrite>>

**198.85 201.30 T2 Basalt - Altered**

<<Min: 198.85 - 201.6 3% pyrite>>  
 <<Vein: 198.9 - 198.92 Quartz 50 deg. >>  
 <<Vein: 199.4 - 199.41 Quartz 80 deg. >>  
 <<Struc: 198.85 - 201.3 Brecciated >>

**201.30 203.40 T2 Basalt - Altered**

<<Min: 201.6 - 202.6 0.1% pyrite>>  
 <<Vein: 201.3 - 201.31 Quartz 70 deg. >>  
 <<Vein: 201.35 - 201.352 Quartz 60 deg. >>

**203.40 204.27 SHZ Shear Zone**

<<Vein: 203.6 - 203.61 Quartz 70 deg. >>

**204.27 204.65 T2 Basalt - Altered**

**204.65 215.95 T1 Basalt**

**215.95 218.00 T2 Basalt - Altered**

End of Hole @ 218

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
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198.20	198.85	0.65	79209	0.03				
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198.85	199.70	0.85	79211	12.46				
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199.70	200.60	0.90	79212	2.29				
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200.60	201.50	0.90	79213	2.36				
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201.50	202.40	0.90	79214	0.06				
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202.40	203.40	1.00	79215	0.01				
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203.40	204.40	1.00	79216	0.08				
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# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**06TII-07**

Prospect: Newcoast

Hole Type:

Survey Type: GPS

Logged By: Ron Voordouw

Grid:

Hole Diameter:

Survey By:

Date Started:

UTM Easting

Core Size:

Azimuth:

Date Completed:

UTM Northing:

Casing Pulled?:

Dip:

Drill Company:

UTM Elev. (m):

Casing Depth (m):

Length (m): 154.55

Drill Rig:

Local Easting:

Stored?:

Claims Title

Drill Started:

Local Northing:

Cemented?:

Work Place:

Drill Completed:

Local Elev. (m):

Comments:

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>6.30</b>	<b>OVB Overburden</b> 0 - 6.3: Cusac log									
<b>6.30</b>	<b>24.75</b>	<b>5DD Argillite</b> 6.3 - 24.75: Cusac log									
<b>24.75</b>	<b>44.70</b>	<b>7 Listwanite</b> 24.75 - 44.7: Cusac log	25.90	26.70	0.80	181345	0.01				
<b>44.70</b>	<b>45.40</b>	<b>T2 Basalt - Altered</b> 44.7 - 45.4: Cusac log									
<b>45.40</b>	<b>47.90</b>	<b>T5 Quartz Vein</b> 45.4 - 47.9: Cusac log	46.10	47.10	1.00	181346	0.01				
			47.10	47.90	0.80	181347	0.03				
<b>47.90</b>	<b>60.50</b>	<b>T2 Basalt - Altered</b> 47.9 - 60.5: Cusac log	52.90	53.90	1.00	181348	0.01				
			55.10	55.25	0.15	181349	0.01				
			58.20	59.05	0.85	181351	0.01				

# Drill Log

Project:

Cassiar

Hole Number:

06TII-07

From (m) To (m) Rocktype & Description

**60.50 64.00 T1 Basalt**  
60.5 - 64: Cusac log

**64.00 83.80 T2 Basalt - Altered**

**83.80 97.30 T1 Basalt**

**97.30 98.19 T2 Basalt - Altered**

<<Vein: 97.76 - 97.78 Ankerite 50 deg. >>

**98.19 98.60 FLG Fault gouge**

**98.60 100.87 T1 Basalt**

**100.87 101.29 T2 Basalt - Altered**

**101.29 101.64 FLG Fault gouge**

<<Vein: 101.5 - 101.51 Quartz 50 deg. >>

**101.64 102.56 T2 Basalt - Altered**

**102.56 103.14 T1 Basalt**

**103.14 103.51 FLG Fault gouge**

**103.51 111.50 T1 Basalt**

**111.50 113.40 SHZ Shear Zone**

<<Min: 111.5 - 113.4 0.5% pyrite>>

<<Min: 111.5 - 113.4 0.01% arsenopyrite>>

<<Vein: 112.85 - 112.9 Quartz 35 deg. >>

**113.40 113.84 T2 Basalt - Altered**

<<Vein: 113.45 - 113.46 Quartz 70 deg. >>

**113.84 118.82 T1 Basalt**

**118.82 119.17 FLG Fault gouge**

<<Vein: 118.92 - 118.925 Quartz 50 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
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64.40	65.30	0.90	181352	0.03				
72.70	72.90	0.20	181353	0.01				
74.70	75.70	1.00	181354	0.19				
75.70	76.70	1.00	181355	0.03				
76.70	77.70	1.00	181356	0.01				
77.70	78.70	1.00	181357	0.01				
78.70	79.70	1.00	181358	0.01				
79.70	80.80	1.10	181359	0.01				

111.45	111.95	0.50	181377	0.01				
111.95	113.10	1.15	181378	8.21				
113.10	113.40	0.30	181379	2.18				

113.40	114.00	0.60	181381	0.5				
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# Drill Log

Project:

Cassiar

Hole Number:

06TII-07

From (m) To (m) Rocktype & Description

**119.17 120.45 T1 Basalt**  
**120.45 122.07 SHZ Shear Zone**

120.45 - 122.07: T2

<<Min: 120.45 - 122.07 0.01% pyrite>>

<<Vein: 121.96 - 121.98 Quartz 30 deg. >>

**122.07 124.03 T1 Basalt**  
**124.03 125.00 T2 Basalt - Altered**

<<Min: 124.03 - 126.17 0.01% pyrite>>

**125.00 125.91 SHZ Shear Zone**

125 - 125.91: T2

**125.91 126.70 T2 Basalt - Altered**

<<Min: 126.17 - 126.7 6% pyrite>>

**126.70 127.04 T5 Quartz Vein**  
**127.04 127.42 T2 Basalt - Altered**

<<Min: 127.04 - 127.42 8% pyrite>>

<<Vein: 127.18 - 127.2 Quartz 60 deg. >>

**127.42 130.20 T5 Quartz Vein**

<<Min: 127.42 - 130.2 0.1% pyrite>>

**130.20 130.56 FLG Fault gouge**

130.2 - 130.56: T2

**130.56 131.10 T2 Basalt - Altered**

<<Min: 130.88 - 131.1 8% pyrite>>

**131.10 131.40 T5 Quartz Vein**

<<Min: 131.1 - 131.4 0.1% pyrite>>

**131.40 132.38 T2 Basalt - Altered**

<<Min: 131.4 - 133.82 4% pyrite>>

<<Vein: 132.05 - 132.07 Quartz 85 deg. >>

<<Vein: 132.12 - 132.15 Quartz>>

**132.38 133.82 T2 Basalt - Altered**

<<Vein: 132.75 - 132.85 Quartz 80 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
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125.40	126.40	1.00	181361	0.92				
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126.40	127.40	1.00	181362	0.43				
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127.40	128.00	0.60	181363	0.29				
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128.00	128.80	0.80	181364	0.01				
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128.80	129.60	0.80	181365	0.1				
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129.60	130.20	0.60	181366	0.04				
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130.20	130.90	0.70	181367	0.96				
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130.90	131.35	0.45	181368	1.34				
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131.35	132.35	1.00	181369	0.68				
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132.35	133.60	1.25	181371	1.78				
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133.60	134.20	0.60	181372	1.37				
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# Drill Log

Project:

Cassiar

Hole Number:

06TII-07

From (m) To (m) Rocktype & Description

**133.82 134.12 T5 Quartz Vein**

<<Min: 133.82 - 134.8 0.5% pyrite>>

**134.12 135.70 T2 Basalt - Altered**

<<Min: 134.8 - 135.7 4% pyrite>>

<<Struc: 134.12 - 135.7 Brecciated >>

**135.70 136.20 T5 Quartz Vein**

<<Min: 135.7 - 136.2 2% pyrite>>

**136.20 140.00 T2 Basalt - Altered**

136.2 - 140: Cusac log

**140.00 154.55 T1 Basalt**

140 - 154.55: Cusac log

**End of Hole @ 154.55**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
134.20	134.80	0.60	181373	2.02				
134.80	135.30	0.50	181374	1.44				
135.30	136.30	1.00	181375	1.79				
136.30	137.30	1.00	181376	1.12				
137.30	138.50	1.20	181382	0.06				
138.50	139.75	1.25	181383	0.01				

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**06TII-10**

Prospect: Newcoast

Hole Type:

Survey Type: GPS

Logged By: Ron Voordouw

Grid:

Hole Diameter:

Survey By:

Date Started:

UTM Easting

Core Size:

Azimuth:

Date Completed:

UTM Northing:

Casing Pulled?:

Dip:

Drill Company:

UTM Elev. (m):

Casing Depth (m):

Length (m): 166.73

Drill Rig:

Local Easting:

Stored?:

Claims Title

Drill Started:

Local Northing:

Cemented?:

Work Place:

Drill Completed:

Local Elev. (m):

Comments:

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>7.08</b>	<b>OVB Overburden</b> 0 - 7.08: Cusac log									
<b>7.08</b>	<b>22.95</b>	<b>5DD Argillite</b> 7.08 - 22.95: Cusac log									
<b>22.95</b>	<b>23.25</b>	<b>T5 Quartz Vein</b> 22.95 - 23.25: Cusac log	22.95	23.25	0.30	181441	0.03				
<b>23.25</b>	<b>61.95</b>	<b>7 Listwanite</b> 23.25 - 61.95: Cusac log	24.50	25.50	1.00	181442	0.03				
			29.00	30.00	1.00	181443	0.01				
			31.80	32.60	0.80	181444	0.01				
<b>61.95</b>	<b>64.12</b>	<b>T2 Basalt - Altered</b> 61.95 - 64.12: Cusac log	61.95	62.80	0.85	181445	0.03				
			62.80	63.65	0.85	181446	0.01				
<b>64.12</b>	<b>70.74</b>	<b>T1 Basalt</b> 64.12 - 70.74: Cusac log									

# Drill Log

Project:

Cassiar

Hole Number:

06TII-10

From (m) To (m) Rocktype & Description

**70.74 100.90 T2 Basalt - Altered**  
70.74 - 100.9: Cusac log

**100.90 109.80 T1 Basalt**  
100.9 - 109.8: Cusac log

**109.80 111.80 T2 Basalt - Altered**  
109.8 - 111.8: Cusac log

**111.80 117.20 T1 Basalt**  
111.8 - 117.2: Cusac log

**117.20 118.10 T2 Basalt - Altered**  
117.2 - 118.1: Cusac log

**118.10 126.10 T1 Basalt**  
118.1 - 126.1: Cusac log

**126.10 127.00 T2 Basalt - Altered**  
126.1 - 127: Cusac log

**127.00 130.70 T1 Basalt**  
127 - 130.7: Cusac log

**130.70 131.40 T2 Basalt - Altered**  
<<Vein: 131.1 - 131.15 Quartz 80 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
70.75	72.25	1.50	181471	0.46				

82.25	82.60	0.35	181472	0.03				
90.30	91.00	0.70	181473	0.01				
91.00	92.00	1.00	181474	0.01				
92.00	93.00	1.00	181475	0.01				
93.00	93.80	0.80	181476	0.24				
93.80	94.60	0.80	181477	0.46				
94.60	95.60	1.00	181478	0.86				
95.60	96.50	0.90	181479	1.12				
96.50	97.00	0.50	181481	0.01				

110.90	111.80	0.90	181483	0.06				
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117.20	118.10	0.90	181484	0.03				
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126.10	127.00	0.90	181485	0.06				
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130.70	132.25	1.55	181486	0.15				
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# Drill Log

Project:

Cassiar

Hole Number:

06TII-10

From (m) To (m) Rocktype & Description

**131.40 132.20 T2 Basalt - Altered**

131.4 - 132.2: T2

<<Min: 131.4 - 132.2 1% pyrite>>

<<Vein: 131.55 - 131.6 Quartz 70 deg. >>

<<Struc: 131.4 - 132.2 Brecciated >>

**132.20 133.75 T2 Basalt - Altered**

<<Vein: 133.22 - 133.23 Quartz 70 deg. >>

<<Vein: 133.33 - 133.34 Quartz 70 deg. >>

**133.75 135.81 T1 Basalt**

**135.81 136.75 FLG Fault gouge**

**136.75 138.23 T1 Basalt**

**138.23 138.65 T2 Basalt - Altered**

<<Vein: 138.43 - 138.435 Calcite 60 deg. >>

**138.65 141.65 T1 Basalt**

**141.65 144.20 T2 Basalt - Altered**

**144.20 144.58 SHZ Shear Zone**

**144.58 145.10 T2 Basalt - Altered**

<<Min: 145.06 - 146.29 1% pyrite>>

**145.10 145.59 T2 Basalt - Altered**

145.1 - 145.59: T2

<<Struc: 145.1 - 145.59 Brecciated >>

**145.59 146.29 T5 Quartz Vein**

145.59 - 146.29: Shear vein

**146.29 147.90 T2 Basalt - Altered**

<<Min: 146.29 - 147.9 5% pyrite>>

<<Vein: 147.44 - 147.5 Quartz 50 deg. >>

**147.90 151.70 T5 Quartz Vein**

<<Min: 147.9 - 151.7 0.01% tetrahedrite>>

<<Min: 147.9 - 151.7 0.1% pyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
144.65	145.15	0.50	181447	0.04				
145.15	146.25	1.10	181448	0.9				
146.25	147.35	1.10	181449	0.66				
147.35	148.00	0.65	181451	0.83				
148.00	148.50	0.50	181452	0.14				
148.50	149.00	0.50	181453	0.05				
149.00	149.50	0.50	181454	0.04				
149.50	150.00	0.50	181455	0.05				
150.00	150.50	0.50	181456	2.1				

# Drill Log

Project:

Cassiar

Hole Number:

06TII-10

From (m) To (m) Rocktype & Description

**151.70 152.30 T2 Basalt - Altered**

<<Min: 151.7 - 152.3 5% pyrite>>

<<Struc: 151.7 - 152.3 Brecciated >>

**152.30 155.40 T5 Quartz Vein**

<<Min: 152.3 - 155.4 0.1% pyrite>>

**155.40 157.74 SHZ Shear Zone**

155.4 - 157.74: T2

<<Min: 155.4 - 157.74 2% pyrite>>

<<Vein: 155.52 - 155.53 Quartz 25 deg. >>

**157.74 161.19 T2 Basalt - Altered**

<<Vein: 158.54 - 158.59 Quartz 60 deg. >>

<<Vein: 159.43 - 159.44 Ankerite 40 deg. >>

<<Vein: 159.6 - 159.63 Quartz 60 deg. >>

<<Vein: 160.52 - 160.53 Quartz 60 deg. >>

<<Vein: 160.63 - 160.65 Quartz 85 deg. >>

**161.19 166.73 T1 Basalt**

161.19 - 166.73: Cusac log

<<Vein: 162.95 - 163 Quartz 85 deg. >>

<<Vein: 164.65 - 164.7 Quartz 50 deg. >>

**End of Hole @ 166.73**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
150.50	151.00	0.50	181457	0.03				
151.00	151.50	0.50	181458	0.04				
151.50	152.00	0.50	181459	1.66				
152.00	152.50	0.50	181461	0.99				

152.50	153.00	0.50	181462	0.04				
153.00	153.50	0.50	181463	0.18				
153.50	154.00	0.50	181464	0.04				
154.00	154.50	0.50	181465	0.51				
154.50	155.30	0.80	181466	0.91				
155.30	156.30	1.00	181467	1.64				
156.30	156.60	0.30	181468	1.76				

156.60	157.60	1.00	181469	6.73				
157.60	158.70	1.10	181482	0.3				
158.70	159.80	1.10	181487	0.04				
159.80	161.10	1.30	181488	1.2				

162.90	163.10	0.20	181489	0.37				
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# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**06TII-16**

Prospect: **Newcoast**

Hole Type:

Survey Type: **GPS**

Logged By: **Ron Voordouw**

Grid:

Hole Diameter:

Survey By:

Date Started:

UTM Easting

Core Size:

Azimuth:

Date Completed:

UTM Northing:

Casing Pulled?:

Dip:

Drill Company:

UTM Elev. (m):

Casing Depth (m):

Length (m): **153.9**

Drill Rig:

Local Easting:

Stored?:

Claims Title

Drill Started:

Local Northing:

Cemented?:

Work Place:

Drill Completed:

Local Elev. (m):

Comments:

### Downhole Surveys:

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>3.96</b>	<b>OVB Overburden</b>									
<b>3.96</b>	<b>8.86</b>	<b>T1 Basalt</b>									
<<Vein: 6.5 - 6.55 Calcite 50 deg. >>											
<b>8.86</b>	<b>9.66</b>	<b>T2 Basalt - Altered</b>									
<b>9.66</b>	<b>11.56</b>	<b>T1 Basalt</b>									
<b>11.56</b>	<b>23.40</b>	<b>T2 Basalt - Altered</b>									
<<Min: 22.16 - 24.56 5% pyrite>> Coarse											
<<Vein: 18.7 - 18.75 Calcite 30 deg. >>											
<<Vein: 19.6 - 19.65 Quartz 45 deg. >>											
			13.10	13.75	0.65	181683	0.05				
			16.20	17.35	1.15	181684	0.05				
			17.35	18.50	1.15	181685	0.01				
			18.50	19.60	1.10	181686	0.03				
			19.60	20.50	0.90	181688	0.28				
			20.50	21.40	0.90	181689	0.01				
			23.50	23.90	0.40	181691	0.07				
			23.90	24.40	0.50	181692	0.58				
<b>23.40</b>	<b>23.70</b>	<b>T5 Quartz Vein</b>									
<b>23.70</b>	<b>24.46</b>	<b>T2 Basalt - Altered</b>									
<b>24.46</b>	<b>25.05</b>	<b>FLG Fault gouge</b>									
24.46 - 25.05: T1											
<b>25.05</b>	<b>25.60</b>	<b>T1 Basalt</b>									

# Drill Log

Project:

Cassiar

Hole Number:

06TII-16

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>25.60</b>	<b>28.25</b>	<b>FLG Fault gouge</b>									
25.6 - 28.25: T1											
<b>28.25</b>	<b>28.78</b>	<b>T1 Basalt</b>									
<b>28.78</b>	<b>29.30</b>	<b>FLG Fault gouge</b>									
28.78 - 29.3: T1											
<b>29.30</b>	<b>29.60</b>	<b>T2 Basalt - Altered</b>									
<b>29.60</b>	<b>29.98</b>	<b>FLG Fault gouge</b>									
29.6 - 29.98: T2											
<b>29.98</b>	<b>33.27</b>	<b>T2 Basalt - Altered</b>									
<<Vein: 31.9 - 31.905 Calcite 25 deg. >>											
<<Vein: 32.47 - 32.475 Quartz 5 deg. >>											
<b>33.27</b>	<b>38.10</b>	<b>T1 Basalt</b>									
<b>38.10</b>	<b>38.88</b>	<b>T2 Basalt - Altered</b>									
<b>38.88</b>	<b>40.85</b>	<b>T1 Basalt</b>									
<b>40.85</b>	<b>43.05</b>	<b>FLG Fault gouge</b>									
40.85 - 43.05: T1											
<b>43.05</b>	<b>43.43</b>	<b>T1 Basalt</b>									
<b>43.43</b>	<b>44.29</b>	<b>FLG Fault gouge</b>									
43.43 - 44.29: T1											
<b>44.29</b>	<b>45.25</b>	<b>T1 Basalt</b>									
<b>45.25</b>	<b>45.75</b>	<b>FLG Fault gouge</b>									
45.25 - 45.75: T1											
<b>45.75</b>	<b>46.70</b>	<b>T1 Basalt</b>									
<b>46.70</b>	<b>47.10</b>	<b>FLG Fault gouge</b>									
46.7 - 47.1: T1											
<b>47.10</b>	<b>50.59</b>	<b>T2 Basalt - Altered</b>									
<<Min: 49.45 - 49.95 0.5% pyrite>>											
<<Min: 49.95 - 50.9 3% pyrite>>											
			49.95	50.65	0.70	181693	0.17				

# Drill Log

Project:

Cassiar

Hole Number:

06TII-16

From (m) To (m) Rocktype & Description

<<Vein: 47.4 - 47.405 Calcite 60 deg. >>  
 <<Vein: 47.48 - 47.49 Calcite 60 deg. >>  
 <<Vein: 49.4 - 49.41 Quartz 45 deg. >>  
 <<Vein: 49.77 - 49.78 Quartz 40 deg. >>

**50.59 51.02 FLG Fault gouge**  
 50.59 - 51.02: T2

<<Min: 50.9 - 51.65 0.5% pyrite>>

**51.02 54.81 T2 Basalt - Altered**  
**54.81 55.18 FLG Fault gouge**  
 54.81 - 55.18: T2

**55.18 59.53 T2 Basalt - Altered**

<<Vein: 57.15 - 57.3 Calcite 50 deg. >>  
 <<Vein: 58 - 58.02 Quartz 50 deg. >>

**59.53 61.69 FLG Fault gouge**  
 59.53 - 61.69: T2

<<Vein: 60.1 - 60.12 Calcite>>

**61.69 63.31 T2 Basalt - Altered**  
**63.31 64.35 FLG Fault gouge**  
 63.31 - 64.35: T2

<<Min: 63.31 - 64.35 1% pyrite>>

**64.35 92.84 T2 Basalt - Altered**

<<Min: 64.35 - 66.87 3% pyrite>>

<<Min: 66.87 - 67.32 0.5% pyrite>>

<<Min: 67.83 - 73 1% pyrite>>

<<Min: 73 - 75.29 5% pyrite>>

<<Min: 75.29 - 90.02 1% pyrite>>

<<Min: 90.02 - 92.8 0.5% pyrite>>

<<Vein: 66.77 - 66.78 Quartz>>

<<Vein: 78.05 - 78.055 Quartz 10 deg. >>

<<Vein: 83.34 - 83.35 Quartz 10 deg. >>

<<Vein: 85.91 - 85.92 Quartz 25 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
50.65	50.90	0.25	181694	0.27				
50.90	51.71	0.81	181695	0.07				
57.83	58.15	0.32	181696	0.93				
63.10	63.70	0.60	181697	0.08				
63.70	65.20	1.50	181698	0.7				
65.20	66.50	1.30	181699	0.53				
66.50	66.70	0.20	181701	0.37				
66.70	67.80	1.10	181702	0.57				
67.80	69.00	1.20	181703	0.36				
69.00	70.25	1.25	181704	1.1				
70.25	71.50	1.25	181705	1.17				
71.50	72.25	0.75	181706	0.69				
72.25	73.55	1.30	181708	0.67				
73.55	74.90	1.35	181709	0.46				
74.90	76.00	1.10	181711	0.72				
76.00	77.30	1.30	181712	1.22				

# Drill Log

Project:

Cassiar

Hole Number:

06TII-16

From (m) To (m) Rocktype & Description

<<Vein: 86.15 - 86.16 Quartz 20 deg. >>

<<Vein: 89.55 - 89.56 Quartz 5 deg. >>

**92.84 114.10 T1**

**Basalt**

**114.10 116.60 T2**

**Basalt - Altered**

114.1 - 116.6: Cusac log

**116.60 124.80 5B**

**Chert**

116.6 - 124.8: Cusac log

**124.80 125.80 T1**

**Basalt**

124.8 - 125.8: Cusac log

**125.80 126.80 5B**

**Chert**

125.8 - 126.8: Cusac log

**126.80 127.30 T1**

**Basalt**

126.8 - 127.3: Cusac log

**127.30 127.80 5B**

**Chert**

127.3 - 127.8: Cusac log

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
77.30	78.85	1.55	181713	0.6				
78.85	80.35	1.50	181714	0.4				
80.35	81.05	0.70	181715	0.42				
81.05	81.14	0.09	181716	0.56				
81.14	81.80	0.66	181717	2.05				
81.80	83.00	1.20	181718	1.9				
83.00	84.25	1.25	181719	2.14				
84.25	84.80	0.55	181721	2.65				
84.80	85.90	1.10	181722	1.59				
85.90	87.50	1.60	181723	1.28				
87.50	88.60	1.10	181724	2.08				
88.60	90.00	1.40	181725	1				
90.00	91.05	1.05	181726	1.43				
91.05	92.05	1.00	181727	0.85				
114.10	114.70	0.60	181728	0.01				
114.70	115.50	0.80	181729	0.01				
115.50	116.60	1.10	181731	0.07				
116.60	117.50	0.90	181732	0.01				

# Drill Log

**Project:** Cassiar **Hole Number:** 07TC-01

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By: Margot McKeown
Grid:	Hole Diameter:	Survey By:	Date Started: 10/06/2012
UTM Easting:	Core Size:	Azimuth:	Date Completed:
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 154.53	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title:	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>4.30</b>	<b>OVB Overburden</b>	3.05	4.30	1.25	31151	0.48				
<b>4.30</b>	<b>5.45</b>	<b>T2 Basalt - Altered</b> <<Min: 4.3 - 5.45 2% pyrite>> <<Alt: 4.3 - 5.45 moderate Ankerite>>	4.30	5.45	1.15	31152	0.5				
<b>5.45</b>	<b>6.15</b>	<b>T5 Quartz Vein</b> <<Min: 5.45 - 6.15 2% pyrite>> <<Min: 5.45 - 6.15 0.5% arsenopyrite>> <<Vein: 5.45 - 6.15 Quartz>>	5.45	6.35	0.90	31153	1.9				
<b>6.15</b>	<b>19.34</b>	<b>T2 Basalt - Altered</b> <<Min: 6.15 - 7.01 4% pyrite>> <<Min: 6.15 - 7.01 0.5% arsenopyrite>> <<Min: 7.01 - 13.29 1% pyrite>> <<Min: 13.29 - 14.02 7% pyrite>> <<Min: 14.02 - 16.03 4% pyrite>> <<Min: 16.8 - 19.34 6% pyrite>> <<Min: 16.8 - 19.34 3% arsenopyrite>> <<Alt: 6.15 - 16.8 weak White mica (Sericitite)>> <<Alt: 6.15 - 16.8 weak Sericitite>>	6.35	7.85	1.50	31154	0.27				
			7.85	9.35	1.50	31155	0.015				
			9.35	10.75	1.40	31156	0.22				
			10.75	12.15	1.40	31157	0.015				
			12.15	13.60	1.45	31158	0.85				
			13.60	15.00	1.40	31159	9.223				
			15.00	16.50	1.50	31161	3.394				
			16.50	18.00	1.50	31162	2.4				
			18.00	19.00	1.00	31163	1.303				
			19.00	19.30	0.30	31164	32.811				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m) To (m) Rocktype & Description

<<Alt: 6.15 - 16.8 weak Ankerite>>  
 <<Alt: 16.8 - 19.34 weak White mica (Sericite)>>  
 <<Alt: 16.8 - 19.34 weak Sericite>>  
 <<Alt: 16.8 - 19.34 moderate Ankerite>>  
 <<Vein: 13.41 - 13.52 Quartz 40 deg. >> Blebs of pyrite  
 <<Vein: 16.41 - 16.43 Quartz 55 deg. >> Hornblende bearing  
 <<Vein: 17.95 - 17.98 Quartz 55 deg. >>  
 <<Vein: 19.13 - 19.2 Quartz 60 deg. >> With chunks of wallrock  
 <<Struc: 16.8 - 17.1 moderate Fractured>>  
 <<Struc: 18.54 - 19.01 moderate fault gouge>>

**19.34 21.90 FLT Fault, Fault Zone**

19.34 - 21.9: Altered basalt

<<Min: 19.34 - 21.9 3% pyrite>>  
 <<Alt: 19.34 - 21.9 weak White mica (Sericite)>>  
 <<Alt: 19.34 - 21.9 weak Sericite>>

**21.90 24.13 T1 Basalt**

21.9 - 24.13: Amyg filled with chlorite and flattened parallel to core axis

<<Min: 21.9 - 24.13 0.5% pyrite>>  
 <<Vein: 21.9 - 24.13 Calcite 55 deg. >>  
 <<Vein: 21.9 - 24.13 Calcite 55 deg. >>

**24.13 24.37 T5 Quartz Vein**

<<Min: 24.13 - 24.37 1% pyrite>>  
 <<Min: 24.13 - 24.37 0.1% chalcopryite>>  
 <<Vein: 24.13 - 24.37 Quartz>>

**24.37 34.20 T1 Basalt**

<<Min: 24.37 - 34.2 0.3% pyrite>>  
 <<Alt: 24.37 - 34.2 weak Fe-Carbonate>>  
 <<Struc: 24.37 - 34.2 moderate Fractured>>

**34.20 79.65 T2 Basalt - Altered**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
19.30	20.80	1.50	31165	4.32				
20.80	22.30	1.50	31166	1.029				
22.30	23.80	1.50	31167	0.03				
23.80	24.20	0.40	31168	0.69				
24.20	24.50	0.30	31169	5.726				
24.50	25.20	0.70	31171	1.93				
25.20	26.70	1.50	31172	0.015				
26.70	28.20	1.50	31173	0.015				
28.20	29.70	1.50	31174	0.015				
29.70	31.20	1.50	31175	0.015				
31.20	32.70	1.50	31176	0.015				
32.70	33.60	0.90	31177	0.015				
33.60	34.70	1.10	31178	0.78				
34.70	36.20	1.50	31179	1.79				



# Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m) To (m) Rocktype & Description

<<Min: 34.2 - 38.06 2% pyrite>>  
 <<Min: 42.4 - 42.99 1% pyrite>>  
 <<Min: 42.99 - 51 0.5% pyrite>>  
 <<Min: 51 - 51.64 3% pyrite>>  
 <<Min: 51 - 51.64 0.5% arsenopyrite>>  
 <<Min: 53.1 - 54.02 4% pyrite>>  
 <<Min: 53.1 - 54.02 1% arsenopyrite>>  
 <<Min: 54.02 - 68.6 2% pyrite>>  
 <<Min: 54.02 - 68.6 0.3% arsenopyrite>>  
 <<Min: 68.6 - 79.65 0.5% pyrite>>  
 <<Alt: 34.2 - 79.65 weak White mica (Sericite)>>  
 <<Alt: 34.2 - 79.65 weak Sericite>>  
 <<Alt: 34.2 - 79.65 moderate Ankerite>>  
 <<Vein: 36.8 - 37.01 Quartz 64 deg. >>  
 <<Vein: 42.51 - 42.68 Quartz>>  
 <<Vein: 46.29 - 46.35 Quartz>>  
 <<Vein: 47.4 - 47.46 Quartz 70 deg. >>  
 <<Vein: 48.87 - 48.97 Quartz 65 deg. >>  
 <<Vein: 53.45 - 53.56 Quartz 58 deg. >>  
 <<Vein: 60.48 - 60.51 Quartz 47 deg. >>  
 <<Vein: 63.09 - 63.23 Quartz 56 deg. >>  
 <<Vein: 75.64 - 75.85 Quartz>>  
 <<Struc: 34.2 - 79.65 weak Fractured>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
36.20	37.10	0.90	31181	4.766				
37.10	37.40	0.30	31182	17.486				
37.40	38.71	1.31	31183	3.874				
38.71	39.60	0.89	31184	0.015				
39.60	41.00	1.40	31185	0.015				
41.00	42.10	1.10	31186	0.015				
42.10	43.00	0.90	31187	1.07				
43.00	44.50	1.50	31188	0.015				
44.50	45.35	0.85	31189	0.015				
45.35	46.10	0.75	31191	0.015				
46.10	47.15	1.05	31192	1.76				
47.15	48.65	1.50	31193	4.149				
48.65	50.00	1.35	31194	0.6				
50.00	51.50	1.50	31195	0.65				
51.50	53.10	1.60	31196	0.22				
53.10	53.93	0.83	31197	2.709				
53.93	55.30	1.37	31198	1.41				
55.30	56.55	1.25	31199	0.95				
56.55	58.05	1.50	31201	0.35				
58.05	59.50	1.45	31202	0.89				
59.50	61.00	1.50	31203	0.53				
61.00	62.50	1.50	31204	0.94				
62.50	63.90	1.40	31205	1.05				
63.90	64.15	0.25	31206	0.015				
64.15	65.50	1.35	31207	0.1				
65.50	67.00	1.50	31208	0.015				
67.00	68.50	1.50	31209	1.12				
68.50	70.00	1.50	31211	0.26				
70.00	71.50	1.50	31212	0.015				
71.50	72.10	0.60	31213	0.015				
72.10	73.00	0.90	31214	0.015				
73.00	74.20	1.20	31215	0.015				
74.20	74.85	0.65	31216	0.015				
74.85	75.50	0.65	31217	0.09				
75.50	75.90	0.40	31218	0.98				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m) To (m) Rocktype & Description

**79.65 80.03 T5 Quartz Vein**  
 <<Vein: 79.65 - 80.03 Quartz>>

**80.03 85.59 T2 Basalt - Altered**  
 <<Min: 80.03 - 82.74 2% pyrite>>  
 <<Min: 80.03 - 82.74 0.5% arsenopyrite>> Focussed along selvages of QZ veins  
 <<Alt: 80.03 - 85.59 strong Ankerite>>  
 <<Vein: 82.17 - 82.24 Quartz 35 deg. >>

**85.59 92.00 T1 Basalt**  
 <<Min: 85.59 - 92 0.5% pyrite>>  
 <<Alt: 85.59 - 92 moderate Fe-Carbonate>> Pervasive and in hairline fractures

**92.00 95.71 T2 Basalt - Altered**  
 <<Min: 92 - 95.71 0.1% pyrite>>  
 <<Alt: 92 - 95.71 moderate White mica (Sericitite)>>  
 <<Alt: 92 - 95.71 moderate Sericitite>>  
 <<Alt: 92 - 95.71 weak Ankerite>>  
 <<Vein: 93.47 - 93.53 Quartz>>

**95.71 100.03 T1 Basalt**  
 <<Min: 95.71 - 100.03 0.5% pyrite>>  
 <<Min: 95.71 - 100.03 0.1% hematite>> Focussed along fractures  
 <<Alt: 95.71 - 100.03 weak Fe-Carbonate>>

**100.03 113.30 T2 Basalt - Altered**  
 <<Min: 100.03 - 106.55 2% pyrite>>  
 <<Min: 106.55 - 106.8 0.2% tetrahedrite>>  
 <<Min: 106.55 - 106.8 6% pyrite>>  
 <<Min: 106.55 - 106.8 0.2% arsenopyrite>>  
 <<Min: 106.8 - 113.3 0.2% pyrite>>  
 <<Alt: 100.03 - 113.3 moderate White mica (Sericitite)>>  
 <<Alt: 100.03 - 113.3 moderate Sericitite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
75.90	77.40	1.50	31219	1.73				
77.40	78.90	1.50	31221	0.76				
78.90	79.65	0.75	31222	1.03				
79.65	80.00	0.35	31223	0.11				
80.00	81.50	1.50	31224	1.64				
81.50	83.00	1.50	31225	1.85				
83.00	84.50	1.50	31226	0.015				
84.50	85.55	1.05	31227	0.015				
85.55	87.00	1.45	31228	0.015				
87.00	88.65	1.65	31229	0.015				
88.65	90.35	1.70	31231	0.015				
90.35	91.85	1.50	31232	0.015				
91.85	93.40	1.55	31233	0.015				
93.40	94.30	0.90	31234	0.19				
94.30	95.30	1.00	31235	0.015				
95.30	95.90	0.60	31236	0.015				
95.90	97.40	1.50	31237	0.015				
97.40	98.20	0.80	31238	0.015				
98.20	99.15	0.95	31239	0.015				
99.15	100.40	1.25	31241	0.015				
100.40	101.90	1.50	31242	0.63				
101.90	103.40	1.50	31243	1				
103.40	104.90	1.50	31244	3.634				
104.90	106.40	1.50	31245	1.13				
106.40	107.40	1.00	31246	144.994				
107.40	108.90	1.50	31247	0.17				
108.90	110.40	1.50	31248	0.09				
110.40	111.55	1.15	31249	0.93				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m) To (m) Rocktype & Description

<<Alt: 100.03 - 113.3 weak Ankerite>>  
 <<Vein: 104.03 - 104.1 Quartz>>  
 <<Vein: 106.62 - 106.625 Quartz 0 deg. >>  
 <<Vein: 107.7 - 107.73 Quartz-Fuchsite/Mariposite 35 deg. >>  
 <<Struc: 100.75 - 102 moderate Fractured>>

**113.30 117.64 T1 Basalt**

<<Alt: 113.3 - 117.64 weak Fe-Carbonate>>

**117.64 137.83 T2 Basalt - Altered**

<<Min: 117.64 - 137.83 0.1% pyrite>>  
 <<Alt: 117.64 - 137.83 moderate Ankerite>>  
 <<Vein: 136.95 - 137.1 Quartz 55 deg. >>  
 <<Struc: 117.64 - 137.83 weak Fractured>>

**137.83 150.32 T1 Basalt**

<<Alt: 137.83 - 147.4 weak Fe-Carbonate>> Pervasive and in hairline veinlets

**150.32 152.20 FLT Fault, Fault Zone**

150.32 - 152.2: Banded/laminated sediments

<<Alt: 150.32 - 152.2 strong Clay>>  
 <<Alt: 150.32 - 152.2 moderate Chlorite >>  
 <<Alt: 150.32 - 152.2 moderate Fe-Carbonate>>  
 <<Struc: 150.32 - 152.2 strong fault 35 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
111.55	113.00	1.45	31251	0.015				
113.00	114.50	1.50	31252	0.015				

114.50	115.30	0.80	31253	0.17				
115.30	116.70	1.40	31254	0.015				
116.70	117.70	1.00	31255	0.015				
117.70	118.60	0.90	31256	0.09				
118.60	119.35	0.75	31257	1.16				
119.35	121.00	1.65	31258	0.015				
121.00	122.50	1.50	31259	0.015				
122.50	123.15	0.65	31261	0.03				
123.15	124.50	1.35	31262	0.015				
124.50	126.00	1.50	31263	0.015				
126.00	127.50	1.50	31264	0.015				
127.50	129.00	1.50	31265	0.015				
129.00	130.50	1.50	31266	0.015				
130.50	130.85	0.35	31267	0.6				
130.85	131.95	1.10	31268	0.015				
131.95	133.20	1.25	31269	0.19				
133.20	134.35	1.15	31271	0.015				
134.35	135.35	1.00	31272	0.015				
135.35	136.85	1.50	31273	0.015				
136.85	138.35	1.50	31274	0.015				
138.35	139.30	0.95	31275	0.015				
139.30	140.15	0.85	31276	0.015				
140.15	141.65	1.50	31277	0.015				

## Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m)	To (m)	Rocktype & Description
----------	--------	------------------------

152.20	154.53	T1 Basalt
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<<Alt: 152.2 - 154.53 moderate Fe-Carbonate>>

<<Struc: 152.2 - 154.53 weak Fractured 48 deg. >>

**End of Hole @ 154.53**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
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## Drill Log

Project:

Cassiar

Hole Number:

06TII-16

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>127.80</b>	<b>128.20</b>	<b>T1 Basalt</b> 127.8 - 128.2: Cusac log									
<b>128.20</b>	<b>131.80</b>	<b>5B Chert</b> 128.2 - 131.8: Cusac log									
<b>131.80</b>	<b>134.00</b>	<b>T1 Basalt</b> 131.8 - 134: Cusac log									
<b>134.00</b>	<b>134.50</b>	<b>FLG Fault gouge</b> 134 - 134.5: Cusac log									
<b>134.50</b>	<b>134.75</b>	<b>T2 Basalt - Altered</b> 134.5 - 134.75: Cusac log									
<b>134.75</b>	<b>135.10</b>	<b>5B Chert</b> 134.75 - 135.1: Cusac log									
<b>135.10</b>	<b>136.80</b>	<b>T1 Basalt</b> 135.1 - 136.8: Cusac log									
<b>136.80</b>	<b>142.20</b>	<b>5B Chert</b> 136.8 - 142.2: Cusac log									
<b>142.20</b>	<b>144.65</b>	<b>T1 Basalt</b> 142.2 - 144.65: Cusac log									
<b>144.65</b>	<b>145.40</b>	<b>5B Chert</b> 144.65 - 145.4: Cusac log									
<b>145.40</b>	<b>145.75</b>	<b>T1 Basalt</b> 145.4 - 145.75: Cusac log									
<b>145.75</b>	<b>146.40</b>	<b>5B Chert</b> 145.75 - 146.4: Cusac log									
<b>146.40</b>	<b>147.00</b>	<b>T10 Mafic Dyke</b> 146.4 - 147: Cusac log									

## Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**06TII-16**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>147.00</b>	<b>150.05</b>	<b>T1 Basalt</b> 147 - 150.05: Cusac log									
<b>150.05</b>	<b>150.50</b>	<b>5B Chert</b> 150.05 - 150.5: Cusac log									
<b>150.50</b>	<b>153.90</b>	<b>T1 Basalt</b> 150.5 - 153.9: Cusac log									
<b>End of Hole @ 153.9</b>											

# Drill Log

**Project:** Cassiar **Hole Number:** 07TC-07

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By:
Grid:	Hole Diameter:	Survey By: Ryan Congdon	Date Started: 30/07/2012
UTM Easting:	Core Size:	Azimuth:	Date Completed: 31/07/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 189.28	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title:	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			

**Comments:**

Re-log of historic Taurus drill hole targeting 'TWSH' structures and related 'T3' mineralisation. Upper portion of hole (-110m), contains alternating T2, T5 and T1. Gold mineralisation preferentially occurs in the T2 pyrite mineralised zones rather than t

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>5.20</b>	<b>9.80</b>	<b>T5 Quartz Vein</b>	5.20	6.70	1.50	178673	0				
5.2 - 9.8: Low grade, bull quartz, likely extensional.											
<<Vein: 5.2 - 9.8 Quartz 20 deg. >>			6.70	8.20	1.50	178674	0				
			8.20	9.20	1.00	178675	0				
			9.20	9.95	0.75	178676	0.377				
<b>9.80</b>	<b>26.65</b>	<b>T2 Basalt - Altered</b>	9.95	11.40	1.45	178677	0.99				
9.8 - 26.65: Upper section abundant coarse disseminated pyrite											
<<Min: 9.8 - 19.1 4% pyrite>> very coarse			11.40	12.90	1.50	178678	0.63				
<<Min: 19.1 - 56.6 0.5% pyrite>>			12.90	14.40	1.50	178679	1.67				
<<Struc: 9.8 - 17 weak Foliated>> weak foliation exposed on split surface, difficult to see it cut surface, possibly regional. Also trace foliation locally in lower T1 unit.			14.40	15.90	1.50	178681	1.78				
			15.90	17.40	1.50	178682	0.59				
			17.40	18.50	1.10	178683	0.79				
			18.50	19.50	1.00	178684	0.41				
			19.50	21.00	1.50	178685	0.05				
			21.00	21.80	0.80	178686	0.015				
			21.80	23.30	1.50	178687	0.04				

# Drill Log

Project:

Cassiar

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From (m) To (m) Rocktype & Description

**26.65 41.20 T1 Basalt**

26.65 - 41.2: Banded lower contact to T2, likely protolith texture. Possible shearing however blebby ankerite overprints in parts. Listed in structures as banding.

<<Struc: 40.7 - 43.4 moderate Bedded 30 deg. 50 deg. >> banding across alteration boundaries. Likely original texture, possible shearing.

**41.20 57.50 T2 Basalt - Altered**

41.2 - 57.5: Weak/moderate AK, increased py min at lower contact to quartz vein.

<<Min: 56.6 - 57.5 4% pyrite>>

**57.50 61.00 T5 Quartz Vein**

57.5 - 61: Bull quartz, lower angle contacts (tca). Extensional.

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
23.30	24.80	1.50	178688	0.03				
24.80	26.00	1.20	178689	0.13				
26.00	27.00	1.00	178691	0.1				
27.00	28.50	1.50	178692	0.015				
28.50	30.00	1.50	178693	0.015				
30.00	31.50	1.50	178694	0.015				
31.50	33.00	1.50	178695	0.015				
33.00	34.50	1.50	178696	0.015				
34.50	36.00	1.50	178697	0.015				
36.00	37.50	1.50	178698	0.04				
37.50	39.00	1.50	178699	0.015				
39.00	40.10	1.10	178701	0.015				
40.10	41.10	1.00	178702	0.015				
41.10	42.20	1.10	178703	0.015				
42.20	43.10	0.90	178704	0.015				
43.10	44.10	1.00	178705	0.015				
44.10	45.60	1.50	178706	0.015				
45.60	47.10	1.50	178707	0.015				
47.10	48.10	1.00	178708	0.015				
48.10	49.70	1.60	178709	0.015				
49.70	51.20	1.50	178711	0.015				
51.20	52.40	1.20	178712	0.015				
52.40	53.40	1.00	178713	0.015				
53.40	54.40	1.00	178714	0.015				
54.40	55.45	1.05	178715	0.015				
55.45	56.60	1.15	178716	0.37				
56.60	57.60	1.00	178717	0.72				
57.60	59.10	1.50	178718	0.034				



# Drill Log

Project:

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From (m) To (m) Rocktype & Description

<<Vein: 57.5 - 61 Quartz 20 deg. >> minor siliceous near boundary, otherwise bucky white massive.

**61.00 68.40 T2 Basalt - Altered**

61 - 68.4: Coarse pyrite mineralised T2.

<<Min: 61 - 68.4 7% pyrite>>

<<Struc: 63.3 - 63.8 weak Bedded 55 deg. >> weak banding, jasperoidal occur before and after this section, which is common of more massive basalt.

**68.40 73.50 T5 Quartz Vein**

68.4 - 73.5: Bull quartz, moderate contact angles tca. Extensional

<<Vein: 68.4 - 73.5 Quartz 20 deg. >>

**73.50 88.30 T2 Basalt - Altered**

73.5 - 88.3: Abundant chlorite/sericite coated fracture surfaces, increase in broken. Last 20cm is qtz+t2 breccia.

<<Min: 73.5 - 88.3 0.5% pyrite>>

<<Struc: 84 - 84.2 weak fault 5 deg. >> slickensides on chlorite/sericite coated surfaces.

<<Struc: 88 - 88.15 strong Brecciated 50 deg. >>

**88.30 91.20 T5 Quartz Vein**

88.3 - 91.2: Extensional, broken on upper contact. White bucky quartz.

<<Vein: 88.3 - 91.2 Quartz>> broken quartz, near upper contact.

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
59.10	60.15	1.05	178719	0				
60.15	61.15	1.00	178721	1.509				
61.15	62.65	1.50	178722	1.03				
62.65	64.15	1.50	178723	0.74				
64.15	65.65	1.50	178724	1.989				
65.65	67.15	1.50	178726	0.44				
67.15	68.45	1.30	178727	0.84				
68.45	69.95	1.50	178728	0.137				
69.95	71.45	1.50	178729	0				
71.45	72.95	1.50	178731	0.034				
72.95	73.70	0.75	178732	0.034				
73.70	75.20	1.50	178733	0.32				
75.20	76.10	0.90	178734	0.06				
76.10	76.95	0.85	178735	0.91				
76.95	78.40	1.45	178736	0.03				
78.40	79.90	1.50	178737	0.015				
79.90	81.40	1.50	178738	0.015				
81.40	82.90	1.50	178739	0.015				
82.90	84.40	1.50	178741	0.03				
84.40	85.90	1.50	178742	0.05				
85.90	87.00	1.10	178743	0.11				
87.00	88.00	1.00	178744	0.19				
88.00	88.40	0.40	178745	0.59				
88.40	89.90	1.50	178746	0.137				
89.90	91.10	1.20	178747	0				
91.10	92.60	1.50	178748	0.49				

# Drill Log

Project:

Cassiar

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From (m) To (m) Rocktype & Description

**91.20 96.40 T2 Basalt - Altered**

91.2 - 96.4: Moderate py near upper quartz contact, decreasing downhole.

<<Min: 91.2 - 96.4 3% pyrite>>

<<Struc: 95 - 95.1 weak fault 5 deg. >> running para to core axis, 2cm carbon braccia.

**96.40 106.90 T1 Basalt**

96.4 - 106.9: Interbedded T1 and weak to moderately altered T2. 0.5-2m zones of ankerite alteration in un-altered basalt.

<<Min: 96.4 - 106.9 0.5% pyrite>>

**106.90 108.70 T2 Basalt - Altered**

106.9 - 108.7: Pyrite mineralised.

<<Min: 106.9 - 109.7 7% pyrite>>

<<Vein: 107.2 - 107.3 Quartz 30 deg. >>

**108.70 109.85 T1 Basalt**

<<Min: 109.7 - 109.85 0.5% pyrite>>

**109.85 111.85 T2 Basalt - Altered**

<<Min: 109.85 - 111.85 4% pyrite>>

**111.85 112.65 T12 Massive Sulphide**

111.85 - 112.65: semi-massive pyrite zone, medium to coarse grained pyrite aggregates. Minor qtz and t2 pieces.

<<Min: 111.85 - 112.65 60% pyrite>>

**112.65 113.45 T2 Basalt - Altered**

<<Min: 112.65 - 113.45 7% pyrite>>

**113.45 125.25 T5 Quartz Vein**

113.45 - 125.25: Bull qtz likely extensional. Wall rock inclusions occur through the middle of the vein (1-4cm)

<<Vein: 113.85 - 125.25 Quartz>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
92.60	94.10	1.50	178749	0.43				
94.10	95.00	0.90	178751	0.62				
95.00	95.90	0.90	178752	0.44				
95.90	96.90	1.00	178753	0.03				
96.90	97.50	0.60	178754	0.015				
97.50	98.85	1.35	178755	0.015				
98.85	100.40	1.55	178756	0.015				
100.40	101.25	0.85	178757	0.015				
101.25	102.35	1.10	178758	0.015				
102.35	104.00	1.65	178759	0.03				
104.00	105.35	1.35	178761	0.03				
105.35	106.90	1.55	178762	0.04				
106.90	107.70	0.80	178763	0.97				
107.70	108.50	0.80	178764	0.18				
108.50	109.45	0.95	178765	0.015				
109.45	110.45	1.00	178766	0.015				
110.45	111.05	0.60	178767	0.04				
111.05	111.85	0.80	178768	1.11				
111.85	112.05	0.20	178769	10.8				
112.05	112.65	0.60	178771	5.897				
112.65	113.45	0.80	178772	0.78				
113.45	114.95	1.50	178773	0				
114.95	116.45	1.50	178774	0				
116.45	117.95	1.50	178775	0.034				

# Drill Log

Project:

Cassiar

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From (m) To (m) Rocktype & Description

**125.25 129.65 T2 Basalt - Altered**

125.25 - 129.65: abundant coarse pyrite

<<Min: 125.25 - 129.65 7% pyrite>>

<<Vein: 125.6 - 125.61 Quartz 5 deg. >> thin ext veins down axis from qtz contact.

<<Vein: 125.65 - 125.85 Quartz 18 deg. >>

<<Vein: 128.45 - 128.55 Quartz 8 deg. >>

**129.65 142.80 T3 Pyritic Mineralised Zone**

129.65 - 142.8: Finely disseminated pyrite, upper contact marked by thin (2mm) qtz vein medium pyrite uphole-fine downhole. Minor low angle qtz veins do occur. Also gradational increase in pyrite grain size in aggregates approaching lower boundary.

<<Min: 129.65 - 142.8 12% pyrite>>

<<Min: 142 - 143.85 7% pyrite>>

<<Vein: 132.2 - 132.8 Quartz 5 deg. >>

<<Vein: 140.95 - 141.35 Quartz 10 deg. >>

**142.80 143.85 T2 Basalt - Altered**

<<Struc: 143 - 143.1 weak Bedded 50 deg. >>

**143.85 148.30 T5 Quartz Vein**

143.85 - 148.3: Likely extensional, strongly brecciated, focussed towards lower contact. Angular qtz clasts in lesser ankeritic and pyritic fracture fill.

<<Min: 143.85 - 148.44 0.5% pyrite>>

<<Vein: 143.85 - 148.3 Quartz>> likely extensional, followed by brecciation and further introduction of fluids responsible for ankerite and pyrite alteration.

<<Struc: 145.8 - 148.3 moderate fault breccia>> brecciating qtz vein (continued deformation of faulting below likely).

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
117.95	119.45	1.50	178776	0				
119.45	120.95	1.50	178777	0.137				
120.95	122.45	1.50	178778	0				
122.45	123.95	1.50	178779	0				
123.95	125.25	1.30	178781	0.034				
125.25	126.75	1.50	178782	0.66				

126.75	128.25	1.50	178783	0.9				
128.25	129.65	1.40	178784	0.92				

129.65	131.15	1.50	178786	0.7				
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131.15	132.25	1.10	178787	1.47				
132.25	133.50	1.25	178788	0.994				
133.50	135.00	1.50	178789	1.47				
135.00	136.00	1.00	178791	0.8				
136.00	136.70	0.70	178792	0.31				
136.70	138.20	1.50	178793	0.9				
138.20	139.70	1.50	178794	0.95				
139.70	140.95	1.25	178795	0.9				
140.95	141.35	0.40	178796	0.377				
141.35	142.85	1.50	178797	1.19				
142.85	143.85	1.00	178798	1.42				

143.85	145.35	1.50	178799	0.103				
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145.35	146.60	1.25	07TC-07_36951	0.48				
146.60	147.15	0.55	07TC-07_36952	2.194				

147.15	148.30	1.15	07TC-07_36953	0.754				
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# Drill Log

Project:

Cassiar

Hole Number:

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From (m) To (m) Rocktype & Description

**148.30 154.40 T2 Basalt - Altered**

148.3 - 154.4: Fault gouge, friable clay rich T2, fine (T3) and coarse pyrite.

<<Min: 148.44 - 154.4 8% pyrite>> coarse aggregates and fine-coarse diss

<<Struc: 148.3 - 154.4 strong fault>> fault gouge zone, mineralised T2, strong clay alteration, difficult to determine kinematics or timing of structure.

**154.40 159.20 T3 Pyritic Mineralised Zone**

154.4 - 159.2: Less fractured than up-hole however still broken, Finely disseminated Py. Lacking qtz veins.

<<Min: 154.4 - 159.2 16% pyrite>> forming pervasive through T2, In parts seems to form wispy bands of irregular orientation.

<<Struc: 154.4 - 159 weak fault>>

**159.20 162.30 T2 Basalt - Altered**

159.2 - 162.3: pyritic, clay altered and sheared locally.

<<Min: 159.2 - 162.3 4% pyrite>>

<<Vein: 162.1 - 162.3 Quartz>> likely extensional (upper cnt), some brittle deformation and pyrite bandin on lower contact.

<<Struc: 160.2 - 160.6 moderate Sheared 30 deg. >> friable clay alt zone

**162.30 162.90 T12 Massive Sulphide**

162.3 - 162.9: semi-msv py, lower contact of 15cm qtz vein

<<Min: 162.3 - 162.9 60% pyrite>>

**162.90 165.70 T2 Basalt - Altered**

162.9 - 165.7: Pyritic.

<<Min: 162.9 - 167.35 6% pyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
148.30	149.30	1.00	07TC-07_36954	1.65				

149.30	150.50	1.20	07TC-07_36955	2.537				
150.50	151.50	1.00	07TC-07_36956	2.297				

151.50	153.00	1.50	07TC-07_36957	2.229				
153.00	154.10	1.10	07TC-07_36958	2.023				
154.10	155.00	0.90	07TC-07_36959	5.726				
155.00	155.75	0.75	07TC-07_36961	3.394				

155.75	156.65	0.90	07TC-07_36962	2.4				
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156.65	157.30	0.65	07TC-07_36963	3.086				
157.30	158.30	1.00	07TC-07_36964	0.88				
158.30	158.70	0.40	07TC-07_36965	1.39				
158.70	159.20	0.50	07TC-07_36966	1.49				
159.20	160.10	0.90	07TC-07_36967	0.15				

160.10	161.00	0.90	07TC-07_36968	1.24				
161.00	161.30	0.30	07TC-07_36969	0.04				

161.30	161.90	0.60	07TC-07_36971	1.17				
161.90	162.20	0.30	07TC-07_36972	6.206				
162.20	163.10	0.90	07TC-07_36973	17.246				

163.10	164.60	1.50	07TC-07_36974	2.16				
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164.60	165.80	1.20	07TC-07_36975	0.58				
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# Drill Log

Project:

Cassiar

Hole Number:

07TC-07

From (m) To (m) Rocktype & Description

**165.70 166.60 FLT Fault, Fault Zone**

165.7 - 166.6: Gouge zone, pyrite rich (coarse up to 1cm), moderate clay alt. And limonite. Grey coloured fragments possibly graphitic.

<<Struc: 165.7 - 166.6 strong fault gouge>>

**166.60 167.35 T2 Basalt - Altered**

**167.35 167.70 T12 Massive Sulphide**

167.35 - 167.7: Lower zone to 2cm ext qtz vein.

<<Min: 167.35 - 167.7 40% pyrite>>

<<Vein: 167.35 - 167.37 Quartz 45 deg. >>

**167.70 170.30 T3 Pyritic Mineralised Zone**

167.7 - 170.3: fine py + minor medium grained py.

<<Min: 167.7 - 170.3 12% pyrite>>

**170.30 174.00 5DD Argillite**

170.3 - 174: Sharp contact, 5-10cm bands and fragments in sediments. Contacts seem relatively un-deformed. Amkerite blebs continue into sediments forming augen textures, stretching into strain shadows, indicates some later stage shearing (+possible earlier).

<<Min: 170.3 - 189.28 0.1% pyrite>>

<<Struc: 171.9 - 171.91 strong contact 35 deg. >> argillite-mafic, sharp weak shearing.

<<Struc: 173.5 - 173.6 strong Bedded 55 deg. >>

**174.00 180.60 T8 Mafic Tuff**

174 - 180.6: Moderately banded mafic, weak to moderate blebby ankerite occurs throughout, and banded locally.

<<Struc: 178.4 - 178.9 moderate Bedded 70 deg. >> irregular, banding, contains cherty bands. Interpreted to be related to protolith however cannot rule out shearing near thrust ramp. Could account for duplexing.

**180.60 185.90 5DD Argillite**

180.6 - 185.9: sharp contact concordant to banding, flattening and possible folding of bedding.

<<Struc: 182.2 - 182.3 strong Bedded 30 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
165.80	166.60	0.80	07TC-07_36976	2.743				
166.60	167.20	0.60	07TC-07_36977	0.13				
167.20	167.85	0.65	07TC-07_36978	2.846				
167.85	168.85	1.00	07TC-07_36979	3.566				
168.85	169.77	0.92	07TC-07_36981	2.777				
169.77	170.40	0.63	07TC-07_36982	3.977				
170.40	171.90	1.50	07TC-07_36983	0.82				
171.90	173.40	1.50	07TC-07_36984	0.18				
173.40	174.10	0.70	07TC-07_36985	0.04				
174.10	175.60	1.50	07TC-07_36986	0.19				
175.60	177.10	1.50	07TC-07_36987	0.04				
177.10	178.60	1.50	07TC-07_36989	0.03				
178.60	179.60	1.00	07TC-07_36991	0.015				
179.60	180.60	1.00	07TC-07_36992	0.015				
180.60	182.10	1.50	07TC-07_36993	0.05				

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**07TC-07**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
		<<Struc: 184.7 - 184.71 moderate fault 40 deg. >> bedding orintation varies around it.									
<b>185.90</b>	<b>189.20</b>	<b>5B Chert</b>									
		185.9 - 189.2: Lesser argillite bands (.5-1cm).									
		<<Struc: 185.9 - 185.901 moderate contact 30 deg. >>									
		<<Struc: 188.9 - 189 moderate Bedded 45 deg. >>									
<b>End of Hole @ 189.28</b>											

# Drill Log

**Project:** Cassiar **Hole Number:** 07TC-05

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By: Ryan Congdon
Grid:	Hole Diameter:	Survey By:	Date Started: 29/06/2012
UTM Easting	Core Size: HQ	Azimuth:	Date Completed: 29/06/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 190.8	Drill Rig:
Local Easting:	Stored?: <input checked="" type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			

**Comments:**

Quick re-log of historic diamond drill hole from 2007, drilled on Taurus Hill 88 area.

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>6.30</b>	<b>NCOR No Core</b>	3.30	4.80	1.50	32141	0.015				
			4.80	6.30	1.50	32142	0.015				
<b>6.30</b>	<b>7.85</b>	<b>T1 Basalt</b>	6.30	7.85	1.55	32143	0.015				
<b>7.85</b>	<b>8.85</b>	<b>T2 Basalt - Altered</b>	7.85	8.85	1.00	32144	0.69				
<<Min: 7.85 - 8.85 4% pyrite>>											
<<Min: 7.85 - 8.85 1% arsenopyrite>>											
<<Alt: 7.85 - 8.85 strong Ankerite>>											
<b>8.85</b>	<b>11.70</b>	<b>T1 Basalt</b>	8.85	10.30	1.45	32145	1				
			10.30	11.70	1.40	32146	0.015				
<b>11.70</b>	<b>20.50</b>	<b>T2 Basalt - Altered</b>	11.70	13.50	1.80	32147	3.189				
<<Min: 11.7 - 15 6% pyrite>>											
<<Min: 15 - 17.5 5% pyrite>>											
<<Min: 15 - 17.5 2% arsenopyrite>>											
<<Alt: 11.7 - 20.5 strong Ankerite>>											
<<Vein: 15.5 - 15.5 Quartz 45 deg. >>											
			13.50	15.00	1.50	32148	2.297				
			15.00	15.65	0.65	32149	0.21				
			15.65	17.00	1.35	32151	0.64				
			17.00	18.00	1.00	32152	2.057				
			18.00	18.90	0.90	32153	0.12				
			18.90	20.50	1.60	32154	0.03				
<b>20.50</b>	<b>25.00</b>	<b>T1 Basalt</b>	20.50	22.00	1.50	32155	0.015				
<<Alt: 20.5 - 25 weak Ankerite>>											
			22.00	23.50	1.50	32156	0.015				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-05

From (m) To (m) Rocktype & Description

**25.00 29.30 T2 Basalt - Altered**

<<Min: 28.45 - 32.3 6% pyrite>>

<<Min: 28.45 - 32.3 0.5% arsenopyrite>>

<<Alt: 25 - 32.3 strong Ankerite>>

**29.30 29.60 T5 Quartz Vein**

<<Min: 29.3 - 29.6 10% pyrite>> bands of sulphides (0.1-2cm) and stringers in 30cm QV and margins

<<Min: 29.3 - 29.6 6% arsenopyrite>> bands of sulphides (0.1-2cm) and stringers in 30cm QV and margins

<<Vein: 29.3 - 29.6 Quartz>>

**29.60 32.30 T2 Basalt - Altered**

**32.30 34.90 T1 Basalt**

**34.90 35.55 T5 Quartz Vein**

<<Min: 34.9 - 39.8 5% pyrite>>

<<Min: 34.9 - 39.8 1% arsenopyrite>>

<<Alt: 34.9 - 41 strong Ankerite>>

<<Vein: 34.9 - 35.55 Quartz>>

**35.55 41.00 T2 Basalt - Altered**

<<Min: 37.5 - 38.4 3% arsenopyrite>>

<<Vein: 35.55 - 36 Quartz 45 deg. >>

**41.00 42.50 FLT Fault, Fault Zone**

<<Alt: 41 - 42.5 moderate Ankerite>>

**42.50 44.65 T2 Basalt - Altered**

<<Alt: 42.5 - 45.7 strong Ankerite>>

**44.65 44.95 T5 Quartz Vein**

<<Vein: 44.65 - 44.95 Quartz>>

**44.95 45.70 T2 Basalt - Altered**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
23.50	24.45	0.95	32157	0.04				
24.45	25.05	0.60	32158	0.015				
25.05	25.80	0.75	32159	0.17				
25.80	27.30	1.50	32161	0.04				
27.30	28.45	1.15	32162	0.015				
28.45	29.30	0.85	32163	3.737				
29.30	29.60	0.30	32164	20.297				

29.60	30.30	0.70	32165	0.015				
30.30	30.80	0.50	32166	0.05				
30.80	31.90	1.10	32167	13.886				
31.90	32.90	1.00	32168	0.04				
32.90	33.90	1.00	32169	0.03				
33.90	34.90	1.00	32171	0.015				
34.90	35.55	0.65	32172	3.154				

35.55	36.00	0.45	32173	7.989				
36.00	37.50	1.50	32175	2.366				
37.50	38.70	1.20	32176	0.7				
38.70	39.90	1.20	32177	2.709				
39.90	41.35	1.45	32178	0.015				
41.35	42.50	1.15	32179	0.04				

42.50	43.65	1.15	32181	5.554				
43.65	44.65	1.00	32182	0.8				
44.65	44.95	0.30	32183	6.411				

44.95	46.40	1.45	32184	0.43				
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# Drill Log

Project:

Cassiar

Hole Number:

07TC-05

From (m) To (m) Rocktype & Description

**45.70 52.60 T1 Basalt**

**52.60 52.95 T2 Basalt - Altered**

<<Min: 52.6 - 52.95 8% pyrite>>

<<Min: 52.6 - 52.95 3% arsenopyrite>>

<<Alt: 52.6 - 53.9 strong Ankerite>>

**52.95 53.30 T5 Quartz Vein**

<<Min: 52.95 - 53.3 6% pyrite>> bands

<<Min: 52.95 - 53.3 3% arsenopyrite>> bands

<<Vein: 52.95 - 53.3 Quartz 48 deg. >>

**53.30 53.90 T2 Basalt - Altered**

<<Min: 53.3 - 53.9 5% pyrite>>

<<Min: 53.3 - 53.9 1% arsenopyrite>>

**53.90 58.30 T1 Basalt**

**58.30 60.35 T2 Basalt - Altered**

<<Min: 58.3 - 60.35 1% pyrite>>

<<Alt: 58.3 - 68.2 strong Ankerite>>

**60.35 60.60 T5 Quartz Vein**

<<Min: 60.4 - 62 6% pyrite>>

<<Min: 60.4 - 62 1% arsenopyrite>>

<<Vein: 60.35 - 60.6 Quartz>>

**60.60 68.20 T2 Basalt - Altered**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
46.40	47.90	1.50	32185	0.015				
47.90	49.40	1.50	32186	0.015				
49.40	50.90	1.50	32187	0.015				
50.90	51.90	1.00	32188	0.015				
51.90	52.65	0.75	32189	0.03				
52.65	52.95	0.30	32191	1.25				
52.95	53.30	0.35	32192	16.217				
53.30	53.90	0.60	32193	1.53				
53.90	55.40	1.50	32194	0.03				
55.40	56.90	1.50	32195	0.03				
56.90	57.40	0.50	32196	0.015				
57.40	58.30	0.90	32197	0.03				
58.30	59.05	0.75	32198	0.61				
59.05	60.00	0.95	32199	0.015				
60.00	60.35	0.35	07TC-05_43101	2.263				
60.35	60.60	0.25	07TC-05_43102	2.434				
60.60	61.95	1.35	07TC-05_43103	1.19				
61.95	62.55	0.60	07TC-05_43104	0.015				
62.55	63.10	0.55	07TC-05_43105	0.35				
63.10	63.75	0.65	07TC-05_43106	0.015				
63.75	64.35	0.60	07TC-05_43107	6.411				
64.35	65.85	1.50	07TC-05_43108	0.19				

# Drill Log

Project:

Cassiar

Hole Number:

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From (m) To (m) Rocktype & Description

**68.20 76.85 T1 Basalt**

**76.85 78.30 T2 Basalt - Altered**

<<Alt: 76.85 - 97.2 strong Ankerite>>

**78.30 78.60 FLT Fault, Fault Zone**

78.3 - 78.6: QV

**78.60 94.75 T2 Basalt - Altered**

**94.75 95.55 FLT Fault, Fault Zone**

94.75 - 95.55: Fault Breccia

<<Min: 94.75 - 95.55 2% pyrite>>

<<Min: 94.75 - 95.55 0.5% arsenopyrite>>

<<Struc: 94.75 - 95.55 strong fault breccia 45 deg. >> Qtz+Ca vein breccia

**95.55 97.20 T2 Basalt - Altered**

**97.20 102.80 T1 Basalt**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
65.85	67.35	1.50	07TC-05_43109	0.31				
67.35	68.85	1.50	07TC-05_43111	0.015				
68.85	69.85	1.00	07TC-05_43112	0.015				
69.85	71.30	1.45	07TC-05_43113	0.015				
71.30	72.80	1.50	07TC-05_43114	0.015				
72.80	73.80	1.00	07TC-05_43115	0.03				
73.80	75.25	1.45	07TC-05_43116	0.015				
75.25	76.85	1.60	07TC-05_43117	0.015				
76.85	78.30	1.45	07TC-05_43118	0.43				
78.30	78.60	0.30	07TC-05_43119	1.92				
78.60	80.10	1.50	07TC-05_43121	0.24				
80.10	81.60	1.50	07TC-05_43122	0.015				
81.60	83.10	1.50	07TC-05_43123	0.05				
83.10	84.30	1.20	07TC-05_43124	0.015				
84.30	85.80	1.50	07TC-05_43125	0.015				
85.80	86.85	1.05	07TC-05_43126	0.015				
86.85	88.35	1.50	07TC-05_43127	0.07				
88.35	89.80	1.45	07TC-05_43128	0.015				
89.80	91.30	1.50	07TC-05_43129	0.17				
91.30	92.55	1.25	07TC-05_43131	0.47				
92.55	94.00	1.45	07TC-05_43132	0.14				
94.00	94.95	0.95	07TC-05_43133	0.75				
94.95	95.55	0.60	07TC-05_43134	0.52				
95.55	96.30	0.75	07TC-05_43135	0.63				
96.30	97.80	1.50	07TC-05_43136	0.03				
97.80	99.30	1.50	07TC-05_43137	0.015				
99.30	100.80	1.50	07TC-05_43138	0.015				

# Drill Log

Project:

Cassiar

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From (m) To (m) Rocktype & Description

**102.80 110.05 T2 Basalt - Altered**

<<Min: 104 - 106 4% pyrite>>  
 <<Min: 105 - 105.8 2% arsenopyrite>>  
 <<Min: 109.5 - 110.7 4% pyrite>>  
 <<Alt: 102.8 - 128 strong Ankerite>>

**110.05 110.35 T5 Quartz Vein**

<<Vein: 110.05 - 110.35 Quartz>>

**110.35 121.90 T2 Basalt - Altered**

<<Min: 121 - 121.5 2% pyrite>>  
 <<Min: 121 - 121.5 0.5% arsenopyrite>> associated with 10cm ext QV  
 <<Vein: 121.2 - 121.24 Quartz 42 deg. >>  
 <<Struc: 110.5 - 115 weak fault 10 deg. >> low angle faulting

**121.90 124.90 FLT Fault, Fault Zone**

**124.90 128.00 T2 Basalt - Altered**

<<Struc: 124.9 - 128 moderate fault 10 deg. 30 deg. >> low angle fault breccia

**128.00 133.75 T1 Basalt**

**133.75 154.40 T2 Basalt - Altered**

<<Min: 134.7 - 137 5% pyrite>>  
 <<Min: 134.7 - 137 1% arsenopyrite>>  
 <<Min: 142.5 - 143.4 5% pyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
100.80	102.30	1.50	07TC-05_43139	0.015				
102.30	103.35	1.05	07TC-05_43141	0.015				
103.35	104.60	1.25	07TC-05_43142	0.9				
104.60	106.05	1.45	07TC-05_43143	0.75				
106.05	107.10	1.05	07TC-05_43144	0.42				
107.10	108.60	1.50	07TC-05_43145	0.17				
108.60	109.50	0.90	07TC-05_43146	0.015				
109.50	110.05	0.55	07TC-05_43147	1.28				
110.05	110.35	0.30	07TC-05_43148	0.3				
110.35	111.65	1.30	07TC-05_43149	0.17				
111.65	113.00	1.35	07TC-05_43151	0.07				
113.00	114.50	1.50	07TC-05_43152	0.015				
114.50	115.50	1.00	07TC-05_43153	0.11				
115.50	116.40	0.90	07TC-05_43154	0.015				
116.40	117.55	1.15	07TC-05_43155	0.03				
117.55	118.55	1.00	07TC-05_43156	0.015				
118.55	120.00	1.45	07TC-05_43157	0.015				
120.00	121.00	1.00	07TC-05_43158	0.11				
121.00	121.90	0.90	07TC-05_43159	0.45				
121.90	123.40	1.50	07TC-05_43161	0.03				
123.40	124.90	1.50	07TC-05_43162	0.015				
124.90	126.40	1.50	07TC-05_43163	0.03				
126.40	127.05	0.65	07TC-05_43164	0.015				
127.05	127.35	0.30	07TC-05_43165	0.015				
127.35	128.60	1.25	07TC-05_43166	0.015				
128.60	130.10	1.50	07TC-05_43167	0.015				
130.10	131.60	1.50	07TC-05_43168	0.015				
131.60	132.60	1.00	07TC-05_43169	0.015				
132.60	133.75	1.15	07TC-05_43171	0.015				
133.75	135.20	1.45	07TC-05_43173	0.86				
135.20	136.70	1.50	07TC-05_43174	11.109				
136.70	138.20	1.50	07TC-05_43175	0.39				
138.20	139.40	1.20	32274	0.04				

# Drill Log

Project:

Cassiar

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From (m) To (m) Rocktype & Description

<<Min: 142.5 - 143.4 1% arsenopyrite>>  
 <<Min: 146 - 146.5 3% pyrite>>  
 <<Min: 146 - 146.5 1% arsenopyrite>>  
 <<Alt: 133.75 - 154.4 strong Ankerite>>  
 <<Vein: 134.7 - 134.8 Quartz 25 deg. >>  
 <<Vein: 142.5 - 142.6 Quartz 25 deg. >>

**154.40 175.40 T1 Basalt**

154.4 - 175.4: possible mafic tuff/volcanoclastics.

**175.40 181.20 T2 Basalt - Altered**

175.4 - 181.2: weak alteration

<<Alt: 175.4 - 181.2 weak Ankerite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
139.40	140.90	1.50	32275	0.015				
140.90	141.90	1.00	32276	0.08				
141.90	143.40	1.50	32277	2.606				
143.40	144.90	1.50	32278	0.14				
144.90	146.40	1.50	32279	1.23				
146.40	147.90	1.50	32281	0.32				
147.90	148.60	0.70	32282	0.015				
148.60	149.20	0.60	32283	0.015				
149.20	150.25	1.05	32284	0.015				
150.25	151.75	1.50	32285	0.03				
151.75	153.25	1.50	32286	0.015				
153.25	154.20	0.95	32287	0.015				
154.20	155.70	1.50	32288	0.015				
155.70	157.20	1.50	32289	0.015				

157.20	158.70	1.50	32291	0.015				
158.70	159.60	0.90	32293	0.015				
159.60	160.30	0.70	32294	0.015				
160.30	161.80	1.50	32295	0.08				
161.80	163.30	1.50	178651	0.015				
163.30	164.80	1.50	178652	0.015				
164.80	166.30	1.50	178653	0.015				
166.30	167.80	1.50	178654	0.015				
167.80	169.30	1.50	178655	0.015				
169.30	170.80	1.50	178656	0.015				
170.80	172.30	1.50	178657	0.015				
172.30	173.80	1.50	178658	0.04				
173.80	175.30	1.50	178659	0.03				
175.30	176.80	1.50	178661	0.015				
176.80	178.30	1.50	178662	0.015				

178.30	179.80	1.50	178663	0.05				
179.80	181.20	1.40	178664	0.12				

# Drill Log

Project:

Cassiar

Hole Number:

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From (m) To (m) Rocktype & Description

**181.20 186.60 T1 Basalt**

181.2 - 186.6: low angle chloritic faulting

**186.60 189.30 T2 Basalt - Altered**

186.6 - 189.3: Brecciated

**189.30 190.80 FLT Fault, Fault Zone**

189.3 - 190.8: T2, Strong breccia with calcite infill.

<<Alt: 189.3 - 190.8 moderate Ankerite>>

<<Struc: 189.3 - 190.3 strong fault breccia 30 deg. >> calcite breccia

**End of Hole @ 190.8**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
181.20	182.70	1.50	178665	0.015				

182.70	184.20	1.50	178666	0.015				
184.20	185.70	1.50	178667	0.015				
185.70	186.15	0.45	178668	0.015				
186.15	187.65	1.50	178669	0.015				
187.65	189.15	1.50	178671	0.06				

189.15	190.80	1.65	178672	0.015				
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# Drill Log

**Project:** Cassiar **Hole Number:** 07TC-04

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By:
Grid:	Hole Diameter:	Survey By:	Date Started: 27/06/2012
UTM Easting	Core Size: HQ	Azimuth:	Date Completed: 27/06/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 141.4	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

Re-log of historic diamond drill hole drilled 2007 on the Taurus deposit.

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>11.15</b>	<b>T2 Basalt - Altered</b>	1.10	1.40	0.30	32296	4.834				
<<Min: 3.5 - 8 6% pyrite>>			1.40	2.06	0.66	32297	0.015				
<<Min: 3.5 - 8 2% arsenopyrite>>			2.06	3.56	1.50	32298	0.015				
<<Alt: 0 - 11.15 strong Ankerite>>			3.56	4.27	0.71	32299	1.53				
			4.27	5.00	0.73	31355	2.366				
			5.00	5.60	0.60	31356	3.12				
			5.60	6.45	0.85	31357	0.11				
			6.45	6.65	0.20	31358	3.943				
			6.65	6.98	0.33	31359	10.937				
			6.98	7.50	0.52	31361	1.62				
			7.50	9.00	1.50	31362	0.06				
			9.00	9.85	0.85	31363	0.03				
			9.85	10.60	0.75	31364	0.015				
			10.60	11.06	0.46	31365	1.29				
			11.06	12.56	1.50	31366	0.015				
<b>11.15</b>	<b>17.30</b>	<b>T1 Basalt</b>	12.56	14.06	1.50	31367	0.03				
			14.06	14.90	0.84	31368	0.06				
			14.90	15.05	0.15	31369	0.13				
			15.05	16.70	1.65	31371	0.015				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-04

From (m) To (m) Rocktype & Description

**17.30 20.90 T2 Basalt - Altered**

<<Min: 17.3 - 19.4 6% pyrite>>

<<Min: 17.3 - 19.4 1% arsenopyrite>>

<<Alt: 17.3 - 20.9 strong Ankerite>>

<<Vein: 18.5 - 18.85 Quartz 45 deg. >> set of 2-8cm veins

**20.90 26.25 T1 Basalt**

**26.25 36.70 T2 Basalt - Altered**

<<Min: 26.6 - 27.5 4% pyrite>>

<<Min: 32.2 - 34 6% pyrite>>

<<Min: 32.2 - 34 1% arsenopyrite>>

<<Alt: 26.25 - 36.7 strong Ankerite>>

<<Vein: 33.1 - 33.4 Quartz 45 deg. >> wall rock bands included, semi-msv Py+As associated with QV

**36.70 46.20 T1 Basalt**

**46.20 69.80 T2 Basalt - Altered**

<<Min: 54.6 - 54.7 6% arsenopyrite>> lower QV contact (2-3cm)

<<Min: 55.2 - 55.5 6% pyrite>> stringers and semi-msv clots near wallrockcontacts

<<Min: 55.2 - 55.5 4% arsenopyrite>> stringers and semi-msv clots near wallrockcontacts

<<Min: 59.94 - 59.95 10% arsenopyrite>> 1cm envelope to EXT QV,also forming fg mineralisation associated with thin (1mm) fracture into wall rock

<<Min: 64 - 67.9 4% pyrite>> very coarse grained (1cm),almost aggregates/semi-msv

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
16.70	17.40	0.70	31372	0.015				
17.40	17.71	0.31	31373	0.05				
17.71	18.41	0.70	31374	2.057				
18.41	19.06	0.65	31375	1.53				
19.06	20.18	1.12	31376	0.05				
20.18	20.98	0.80	31377	0.11				
20.98	22.48	1.50	31378	0.09				
22.48	23.95	1.47	31379	0.03				
23.95	25.10	1.15	31381	0.04				
25.10	26.25	1.15	31382	0.015				
26.25	26.45	0.20	31383	0.015				
26.45	27.65	1.20	31384	0.76				
27.65	28.65	1.00	31385	0.015				
28.65	29.93	1.28	31386	0.015				
29.93	31.17	1.24	31387	0.015				
31.17	32.05	0.88	31388	0.18				
32.05	33.00	0.95	31389	1.07				
33.00	33.75	0.75	31391	7.166				
33.75	35.00	1.25	31392	0.03				
35.00	36.50	1.50	31393	0.015				
36.50	38.10	1.60	31394	0.015				
38.10	39.45	1.35	31395	0.015				
39.45	41.03	1.58	31396	0.06				
41.03	42.60	1.57	31397	0.04				
42.60	43.50	0.90	31398	0.03				
43.50	45.13	1.63	31399	0.015				
45.13	46.42	1.29	32051	0.015				
46.42	48.00	1.58	32052	0.04				
48.00	49.60	1.60	32053	0.07				
49.60	51.10	1.50	32054	0.72				
51.10	52.70	1.60	32055	0.05				
52.70	54.00	1.30	32056	2.297				
54.00	55.20	1.20	32057	0.25				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-04

From (m) To (m) Rocktype & Description

<<Min: 64 - 67.9 0.5% arsenopyrite>>  
 <<Alt: 46.2 - 69.8 strong Ankerite>>  
 <<Vein: 49.8 - 50 Quartz>> Tet+Cpy clusters  
 <<Vein: 54.6 - 54.7 Quartz>> msv As lower contact  
 <<Vein: 55.2 - 55.5 Quartz>> cluster +stringers As+Py in vein  
 <<Vein: 59.7 - 59.95 Quartz 45 deg. >> 1cm fg As+Py envelope  
 <<Vein: 64.45 - 64.75 Quartz>>  
 <<Vein: 66.2 - 66.35 Quartz 30 deg. >>

**69.80 72.40 T1 Basalt**  
**72.40 83.50 T2 Basalt - Altered**

<<Min: 77.9 - 78.5 3% pyrite>>  
 <<Min: 77.9 - 78.5 0.5% arsenopyrite>>  
 <<Alt: 72.4 - 83.5 strong Ankerite>>

**83.50 90.40 T1 Basalt**

**90.40 100.80 T2 Basalt - Altered**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
55.20	55.50	0.30	32058	221.00 6				
55.50	56.50	1.00	32061	3.257				
56.50	58.00	1.50	32062	0.08				
58.00	59.45	1.45	32063	0.03				
59.45	60.25	0.80	32064	2.023				
60.25	61.75	1.50	32065	0.04				
61.75	64.10	2.35	32066	0.015				
64.10	64.55	0.45	32068	8.126				
64.55	64.85	0.30	32069	3.086				
64.85	65.85	1.00	32071	11.589				
65.85	66.85	1.00	32072	0.11				
66.85	67.86	1.01	32073	5.794				
67.86	68.66	0.80	32074	0.13				
68.66	69.60	0.94	32075	0.015				
69.60	71.00	1.40	32076	0.015				
71.00	72.40	1.40	32077	0.015				
72.40	73.50	1.10	32078	0.015				
73.50	74.70	1.20	32079	0.015				
74.70	75.40	0.70	32081	0.015				
75.40	76.10	0.70	32082	0.015				
76.10	77.10	1.00	32083	0.015				
77.10	78.50	1.40	32084	1.68				
78.50	80.00	1.50	32085	0.04				
80.00	81.10	1.10	32086	0.015				
81.10	81.85	0.75	32087	0.03				
81.85	82.50	0.65	32088	0.78				
82.50	83.22	0.72	32089	0.015				
83.22	84.72	1.50	32091	0.015				
84.72	86.22	1.50	32092	0.015				
86.22	88.00	1.78	32093	0.015				
88.00	89.30	1.30	32094	0.015				
89.30	90.55	1.25	32095	0.015				
90.55	91.90	1.35	32096	0.03				



# Drill Log

Project:

Cassiar

Hole Number:

07TC-04

From (m) To (m) Rocktype & Description

<<Alt: 90.4 - 100.8 strong Ankerite>>

**100.80 104.70 T1 Basalt**

**104.70 105.30 T8 Mafic Tuff**

104.7 - 105.3: Lapilli+ash tuff? Also sheared, possible shear zone

<<Alt: 104.7 - 105.3 moderate Ankerite>>

**105.30 109.10 T1 Basalt**

**109.10 126.90 T2 Basalt - Altered**

<<Struc: 117.9 - 127.7 strong fault breccia 45 deg. >>

**126.90 127.70 FLT Fault, Fault Zone**

126.9 - 127.7: T2,

<<Alt: 126.9 - 133.5 moderate Ankerite>>

**127.70 133.50 T2 Basalt - Altered**

<<Min: 132.4 - 133 3% pyrite>>

<<Min: 132.4 - 133 1% arsenopyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
91.90	93.40	1.50	32097	0.04				
93.40	94.90	1.50	32098	0.015				
94.90	96.40	1.50	32099	0.1				
96.40	97.90	1.50	31146	0.03				
97.90	99.50	1.60	31147	0.05				
99.50	100.90	1.40	31148	0.015				
100.90	102.00	1.10	31149	0.015				
102.00	103.45	1.45	27001	0.015				
103.45	104.85	1.40	27002	0.015				
104.85	106.10	1.25	27003	0.015				

106.10	107.40	1.30	27004	0.015				
107.40	108.90	1.50	27005	0.015				
108.90	110.40	1.50	27006	0.015				
110.40	111.90	1.50	27007	0.015				
111.90	113.40	1.50	27008	0.11				
113.40	114.25	0.85	27009	0.13				
114.25	115.75	1.50	27011	0.015				
115.75	117.20	1.45	27012	0.015				
117.20	117.96	0.76	27013	1.27				
117.96	119.46	1.50	27015	0.08				
119.46	120.95	1.49	27016	0.03				
120.95	122.56	1.61	27017	0.21				
122.56	124.06	1.50	27018	0.22				
124.06	125.56	1.50	27019	0.015				
125.56	126.96	1.40	27021	0.015				
126.96	128.50	1.54	27022	0.03				

128.50	130.00	1.50	27023	0.015				
130.00	130.90	0.90	27024	0.04				
130.90	131.80	0.90	27025	0.04				

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**07TC-04**

From (m)      To (m)                      Rocktype & Description

**133.50 141.40 T1                      Basalt**

133.5 - 141.4: Poss tuff+breccia,multiple slickenslides (chloritic) and breccia fabric, in parts may be hyloclastic. However also sever faulting has occurred. Units leading up to this zone also show strong faulting.

<<Struc: 138 - 138 weak fault 10 deg. >>

**End of Hole @ 141.4**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
131.80	132.35	0.55	27026	0.56				
132.35	132.55	0.20	27027	1.26				
132.55	134.00	1.45	27028	0.49				
134.00	135.30	1.30	27029	0.03				

135.30	136.80	1.50	27031	0.015				
136.80	138.30	1.50	27032	0.03				
138.30	139.80	1.50	27033	0.015				
139.80	141.40	1.60	27034	0.015				

# Drill Log

**Project:** Cassiar **Hole Number:** 07TC-02

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By: Margot McKeown
Grid:	Hole Diameter:	Survey By:	Date Started:
UTM Easting:	Core Size:	Azimuth:	Date Completed:
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 121.01	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title:	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>3.50</b>	<b>OVB Overburden</b>									
<b>3.50</b>	<b>18.23</b>	<b>T2 Basalt - Altered</b>	3.50	4.50	1.00	31401	0.015				
<<Min: 3.5 - 8.7 1% pyrite>>			4.50	5.50	1.00	31402	0.015				
<<Min: 10.9 - 18.23 0.5% pyrite>>			5.50	6.45	0.95	31403	0.9				
<<Alt: 3.5 - 8.7 weak White mica (Sericite)>>			6.45	7.45	1.00	31404	0.05				
<<Alt: 3.5 - 8.7 moderate Silicification >>			7.45	8.65	1.20	31405	4.423				
<<Alt: 3.5 - 8.7 weak Sericite>>			8.65	10.30	1.65	31406	0.015				
<<Alt: 8.7 - 10.9 weak Silicification >>			10.30	11.80	1.50	31407	0.015				
<<Alt: 8.7 - 10.9 weak Ankerite>>			11.80	13.00	1.20	31408	0.015				
<<Alt: 10.9 - 18.23 moderate Silicification >>			13.00	14.30	1.30	31409	0.015				
<<Alt: 10.9 - 18.23 weak Ankerite>>			14.30	15.05	0.75	31411	9.703				
<<Vein: 8 - 8.1 Quartz 65 deg. >>			15.05	16.20	1.15	31412	0.03				
			16.20	17.50	1.30	31413	0.05				
			17.50	18.30	0.80	31414	4.491				
<b>18.23</b>	<b>18.89</b>	<b>T5 Quartz Vein</b>	18.30	18.80	0.50	31415	12.514				
18.23 - 18.89: Randomly oriented blebs of Py and AsPy											
<<Min: 18.23 - 18.89 9% pyrite>>			18.80	19.20	0.40	31416	1.18				
<<Min: 18.23 - 18.89 2% arsenopyrite>>											

# Drill Log

Project:

Cassiar

Hole Number:

07TC-02

From (m) To (m) Rocktype & Description

<<Vein: 18.23 - 18.89 Quartz>>

**18.89 52.61 T2 Basalt - Altered**

<<Min: 18.89 - 19.29 4% pyrite>>

<<Min: 26.2 - 28.32 4% pyrite>>

<<Min: 26.2 - 28.32 0.5% arsenopyrite>>

<<Min: 34.3 - 38.8 0.5% pyrite>>

<<Min: 42.73 - 43.24 3% pyrite>>

<<Min: 42.73 - 43.24 0.5% arsenopyrite>>

<<Min: 44.49 - 44.97 4% pyrite>>

<<Min: 44.49 - 44.97 0.5% arsenopyrite>>

<<Min: 49.11 - 52.61 2% pyrite>>

<<Alt: 18.89 - 52.61 weak White mica (Sericite)>>

<<Alt: 18.89 - 52.61 weak Sericite>>

<<Alt: 18.89 - 52.61 weak Ankerite>>

<<Vein: 23.97 - 24.07 Quartz 60 deg. >>

<<Vein: 27.88 - 27.93 Quartz 45 deg. >>

<<Vein: 42.97 - 43.06 Quartz 60 deg. >>

<<Vein: 49.33 - 49.42 Quartz>> With ankerite and coarse euhedral yrite

**52.61 53.09 FLT Fault, Fault Zone**

<<Min: 52.61 - 53.09 0.1% pyrite>>

<<Alt: 52.61 - 53.09 moderate White mica (Sericite)>>

<<Alt: 52.61 - 53.09 moderate Sericite>>

**53.09 103.62 T2 Basalt - Altered**

<<Min: 53.09 - 61.55 0.1% pyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
19.20	20.70	1.50	31417	0.015				
20.70	22.20	1.50	31418	0.015				
22.20	23.70	1.50	31419	0.015				
23.70	24.50	0.80	31421	0.19				
24.50	25.50	1.00	31422	0.015				
25.50	26.95	1.45	31423	0.87				
26.95	28.45	1.50	31424	2.469				
28.45	29.15	0.70	31425	0.2				
29.15	30.55	1.40	31426	0.03				
30.55	32.05	1.50	31427	0.03				
32.05	32.85	0.80	31428	0.04				
32.85	33.00	0.15	31429	0.91				
33.00	34.35	1.35	31431	0.1				
34.35	35.85	1.50	31432	0.48				
35.85	37.35	1.50	31433	0.61				
37.35	38.30	0.95	31434	0.42				
38.30	39.80	1.50	31435	0.03				
39.80	41.30	1.50	31436	0.015				
41.30	42.70	1.40	31437	0.09				
42.70	43.40	0.70	31438	2.366				
43.40	44.35	0.95	31439	0.05				
44.35	45.60	1.25	31441	8.023				
45.60	47.10	1.50	31443	0.04				
47.10	48.75	1.65	31444	0.15				
48.75	50.25	1.50	31445	4.423				
50.25	51.55	1.30	31446	3.257				
51.55	52.85	1.30	31447	0.97				
52.85	54.25	1.40	31448	0.05				
54.25	55.65	1.40	31449	0.06				
55.65	57.00	1.35	32001	0.015				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-02

From (m) To (m) Rocktype & Description

<<Min: 66.1 - 68.23 2% pyrite>>  
 <<Min: 66.1 - 68.23 0.5% arsenopyrite>>  
 <<Min: 68.56 - 69.19 0.1% pyrite>>  
 <<Min: 70.2 - 70.57 0.1% pyrite>>  
 <<Min: 75.05 - 77.04 0.1% pyrite>>  
 <<Min: 92.79 - 93.57 0.5% pyrite>>  
 <<Min: 95.2 - 96 3% pyrite>>  
 <<Min: 95.2 - 96 0.5% arsenopyrite>>  
 <<Min: 100.42 - 103.11 0.5% pyrite>>  
 <<Alt: 53.09 - 88.05 weak White mica (Sericite)>>  
 <<Alt: 53.09 - 88.05 weak Sericite>>  
 <<Alt: 53.09 - 88.05 moderate Ankerite>>  
 <<Alt: 88.05 - 92.45 strong Ankerite>>  
 <<Alt: 92.45 - 107.91 weak White mica (Sericite)>>  
 <<Alt: 92.45 - 107.91 weak Sericite>>  
 <<Alt: 92.45 - 107.91 moderate Ankerite>>  
 <<Vein: 59.5 - 59.6 Quartz 25 deg. >>  
 <<Vein: 67.71 - 67.94 Quartz>> Trace amounts of fuchsite  
 <<Vein: 69.21 - 69.25 Quartz 30 deg. >>  
 <<Vein: 92.1 - 92.12 Quartz 60 deg. >>  
 <<Vein: 92.44 - 92.5 Quartz>>  
 <<Vein: 95.07 - 95.18 Quartz>>  
 <<Vein: 95.79 - 95.85 Quartz 45 deg. >>  
 <<Vein: 101.1 - 101.12 Quartz 35 deg. >>  
 <<Vein: 101.43 - 101.45 Quartz>>  
 <<Vein: 101.9 - 101.91 Quartz 35 deg. >>  
 <<Vein: 102.34 - 102.36 Quartz 30 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
57.00	57.40	0.40	32002	0.37				
57.40	58.30	0.90	32003	0.015				
58.30	59.25	0.95	32004	0.015				
59.25	60.45	1.20	32005	0.015				
60.45	61.95	1.50	32006	0.015				
61.95	63.45	1.50	32007	0.015				
63.45	64.95	1.50	32008	0.015				
64.95	66.40	1.45	32009	0.05				
66.40	67.80	1.40	32011	11.211				
67.80	69.20	1.40	32012	0.015				
69.20	69.70	0.50	32013	1.59				
69.70	71.20	1.50	32014	0.015				
71.20	72.80	1.60	32015	0.015				
72.80	74.40	1.60	32016	0.015				
74.40	76.00	1.60	32017	0.015				
76.00	77.00	1.00	32018	0.91				
77.00	78.50	1.50	32019	0.015				
78.50	80.00	1.50	32021	0.015				
80.00	81.50	1.50	32022	0.015				
81.50	83.00	1.50	32023	0.015				
83.00	84.50	1.50	32024	0.015				
84.50	86.00	1.50	32025	0.015				
86.00	87.50	1.50	32026	0.015				
87.50	88.00	0.50	32027	0.015				
88.00	89.50	1.50	32028	0.38				
89.50	91.00	1.50	32029	0.05				
91.00	92.50	1.50	32031	0.23				
92.50	94.00	1.50	32032	0.17				
94.00	95.50	1.50	32033	0.56				
95.50	96.60	1.10	32034	0.7				
96.60	99.60	3.00	32035	0.015				
99.60	101.10	1.50	32036	0.05				
101.10	102.60	1.50	32037	0.77				
102.60	103.80	1.20	32038	0.28				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-02

From (m) To (m) Rocktype & Description

**103.62 106.10 FLT Fault, Fault Zone**

103.62 - 106.1: Breccia

**106.10 116.79 T2 Basalt - Altered**

<<Alt: 107.91 - 116.79 strong Ankerite>>

<<Vein: 108.91 - 108.98 Quartz-Carbonate 25 deg. >>

<<Vein: 109.11 - 109.25 Calcite 50 deg. >>

<<Vein: 109.11 - 109.25 Calcite 50 deg. >>

**116.79 121.01 T1 Basalt**

<<Alt: 116.79 - 121.01 moderate Fe-Carbonate>>

**End of Hole @ 121.01**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
103.80	104.90	1.10	32039	0.015				
104.90	106.30	1.40	32041	0.015				
106.30	107.80	1.50	32042	0.015				
107.80	108.85	1.05	32043	0.015				
108.85	109.30	0.45	32044	0.015				
109.30	110.40	1.10	32045	0.015				
110.40	111.50	1.10	32046	0.015				
111.50	112.65	1.15	32047	0.015				
112.65	113.65	1.00	32048	0.12				
113.65	114.70	1.05	32049	0.015				
114.70	116.20	1.50	31351	0.015				
116.20	117.70	1.50	31352	0.015				
117.70	119.20	1.50	31353	0.015				
119.20	121.05	1.85	31354	0.015				

# Drill Log

**Project:** Cassiar **Hole Number:** 07TC-01

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By: Margot McKeown
Grid:	Hole Diameter:	Survey By:	Date Started: 10/06/2012
UTM Easting:	Core Size:	Azimuth:	Date Completed:
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 154.53	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title:	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>4.30</b>	<b>OVB Overburden</b>	3.05	4.30	1.25	31151	0.48				
<b>4.30</b>	<b>5.45</b>	<b>T2 Basalt - Altered</b> <<Min: 4.3 - 5.45 2% pyrite>> <<Alt: 4.3 - 5.45 moderate Ankerite>>	4.30	5.45	1.15	31152	0.5				
<b>5.45</b>	<b>6.15</b>	<b>T5 Quartz Vein</b> <<Min: 5.45 - 6.15 2% pyrite>> <<Min: 5.45 - 6.15 0.5% arsenopyrite>> <<Vein: 5.45 - 6.15 Quartz>>	5.45	6.35	0.90	31153	1.9				
<b>6.15</b>	<b>19.34</b>	<b>T2 Basalt - Altered</b> <<Min: 6.15 - 7.01 4% pyrite>> <<Min: 6.15 - 7.01 0.5% arsenopyrite>> <<Min: 7.01 - 13.29 1% pyrite>> <<Min: 13.29 - 14.02 7% pyrite>> <<Min: 14.02 - 16.03 4% pyrite>> <<Min: 16.8 - 19.34 6% pyrite>> <<Min: 16.8 - 19.34 3% arsenopyrite>> <<Alt: 6.15 - 16.8 weak White mica (Serците)>> <<Alt: 6.15 - 16.8 weak Serците>>	6.35	7.85	1.50	31154	0.27				
			7.85	9.35	1.50	31155	0.015				
			9.35	10.75	1.40	31156	0.22				
			10.75	12.15	1.40	31157	0.015				
			12.15	13.60	1.45	31158	0.85				
			13.60	15.00	1.40	31159	9.223				
			15.00	16.50	1.50	31161	3.394				
			16.50	18.00	1.50	31162	2.4				
			18.00	19.00	1.00	31163	1.303				
			19.00	19.30	0.30	31164	32.811				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m) To (m) Rocktype & Description

<<Alt: 6.15 - 16.8 weak Ankerite>>  
 <<Alt: 16.8 - 19.34 weak White mica (Sericite)>>  
 <<Alt: 16.8 - 19.34 weak Sericite>>  
 <<Alt: 16.8 - 19.34 moderate Ankerite>>  
 <<Vein: 13.41 - 13.52 Quartz 40 deg. >> Blebs of pyrite  
 <<Vein: 16.41 - 16.43 Quartz 55 deg. >> Hornblende bearing  
 <<Vein: 17.95 - 17.98 Quartz 55 deg. >>  
 <<Vein: 19.13 - 19.2 Quartz 60 deg. >> With chunks of wallrock  
 <<Struc: 16.8 - 17.1 moderate Fractured>>  
 <<Struc: 18.54 - 19.01 moderate fault gouge>>

**19.34 21.90 FLT Fault, Fault Zone**

19.34 - 21.9: Altered basalt

<<Min: 19.34 - 21.9 3% pyrite>>  
 <<Alt: 19.34 - 21.9 weak White mica (Sericite)>>  
 <<Alt: 19.34 - 21.9 weak Sericite>>

**21.90 24.13 T1 Basalt**

21.9 - 24.13: Amyg filled with chlorite and flattened parallel to core axis

<<Min: 21.9 - 24.13 0.5% pyrite>>  
 <<Vein: 21.9 - 24.13 Calcite 55 deg. >>  
 <<Vein: 21.9 - 24.13 Calcite 55 deg. >>

**24.13 24.37 T5 Quartz Vein**

<<Min: 24.13 - 24.37 1% pyrite>>  
 <<Min: 24.13 - 24.37 0.1% chalcopryrite>>  
 <<Vein: 24.13 - 24.37 Quartz>>

**24.37 34.20 T1 Basalt**

<<Min: 24.37 - 34.2 0.3% pyrite>>  
 <<Alt: 24.37 - 34.2 weak Fe-Carbonate>>  
 <<Struc: 24.37 - 34.2 moderate Fractured>>

**34.20 79.65 T2 Basalt - Altered**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
19.30	20.80	1.50	31165	4.32				
20.80	22.30	1.50	31166	1.029				
22.30	23.80	1.50	31167	0.03				
23.80	24.20	0.40	31168	0.69				
24.20	24.50	0.30	31169	5.726				
24.50	25.20	0.70	31171	1.93				
25.20	26.70	1.50	31172	0.015				
26.70	28.20	1.50	31173	0.015				
28.20	29.70	1.50	31174	0.015				
29.70	31.20	1.50	31175	0.015				
31.20	32.70	1.50	31176	0.015				
32.70	33.60	0.90	31177	0.015				
33.60	34.70	1.10	31178	0.78				
34.70	36.20	1.50	31179	1.79				



# Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m) To (m) Rocktype & Description

<<Min: 34.2 - 38.06 2% pyrite>>  
 <<Min: 42.4 - 42.99 1% pyrite>>  
 <<Min: 42.99 - 51 0.5% pyrite>>  
 <<Min: 51 - 51.64 3% pyrite>>  
 <<Min: 51 - 51.64 0.5% arsenopyrite>>  
 <<Min: 53.1 - 54.02 4% pyrite>>  
 <<Min: 53.1 - 54.02 1% arsenopyrite>>  
 <<Min: 54.02 - 68.6 2% pyrite>>  
 <<Min: 54.02 - 68.6 0.3% arsenopyrite>>  
 <<Min: 68.6 - 79.65 0.5% pyrite>>  
 <<Alt: 34.2 - 79.65 weak White mica (Sericite)>>  
 <<Alt: 34.2 - 79.65 weak Sericite>>  
 <<Alt: 34.2 - 79.65 moderate Ankerite>>  
 <<Vein: 36.8 - 37.01 Quartz 64 deg. >>  
 <<Vein: 42.51 - 42.68 Quartz>>  
 <<Vein: 46.29 - 46.35 Quartz>>  
 <<Vein: 47.4 - 47.46 Quartz 70 deg. >>  
 <<Vein: 48.87 - 48.97 Quartz 65 deg. >>  
 <<Vein: 53.45 - 53.56 Quartz 58 deg. >>  
 <<Vein: 60.48 - 60.51 Quartz 47 deg. >>  
 <<Vein: 63.09 - 63.23 Quartz 56 deg. >>  
 <<Vein: 75.64 - 75.85 Quartz>>  
 <<Struc: 34.2 - 79.65 weak Fractured>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
36.20	37.10	0.90	31181	4.766				
37.10	37.40	0.30	31182	17.486				
37.40	38.71	1.31	31183	3.874				
38.71	39.60	0.89	31184	0.015				
39.60	41.00	1.40	31185	0.015				
41.00	42.10	1.10	31186	0.015				
42.10	43.00	0.90	31187	1.07				
43.00	44.50	1.50	31188	0.015				
44.50	45.35	0.85	31189	0.015				
45.35	46.10	0.75	31191	0.015				
46.10	47.15	1.05	31192	1.76				
47.15	48.65	1.50	31193	4.149				
48.65	50.00	1.35	31194	0.6				
50.00	51.50	1.50	31195	0.65				
51.50	53.10	1.60	31196	0.22				
53.10	53.93	0.83	31197	2.709				
53.93	55.30	1.37	31198	1.41				
55.30	56.55	1.25	31199	0.95				
56.55	58.05	1.50	31201	0.35				
58.05	59.50	1.45	31202	0.89				
59.50	61.00	1.50	31203	0.53				
61.00	62.50	1.50	31204	0.94				
62.50	63.90	1.40	31205	1.05				
63.90	64.15	0.25	31206	0.015				
64.15	65.50	1.35	31207	0.1				
65.50	67.00	1.50	31208	0.015				
67.00	68.50	1.50	31209	1.12				
68.50	70.00	1.50	31211	0.26				
70.00	71.50	1.50	31212	0.015				
71.50	72.10	0.60	31213	0.015				
72.10	73.00	0.90	31214	0.015				
73.00	74.20	1.20	31215	0.015				
74.20	74.85	0.65	31216	0.015				
74.85	75.50	0.65	31217	0.09				
75.50	75.90	0.40	31218	0.98				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m) To (m) Rocktype & Description

**79.65 80.03 T5 Quartz Vein**

<<Vein: 79.65 - 80.03 Quartz>>

**80.03 85.59 T2 Basalt - Altered**

<<Min: 80.03 - 82.74 2% pyrite>>

<<Min: 80.03 - 82.74 0.5% arsenopyrite>> Focussed along selvages of QZ veins

<<Alt: 80.03 - 85.59 strong Ankerite>>

<<Vein: 82.17 - 82.24 Quartz 35 deg. >>

**85.59 92.00 T1 Basalt**

<<Min: 85.59 - 92 0.5% pyrite>>

<<Alt: 85.59 - 92 moderate Fe-Carbonate>> Pervasive and in hairline fractures

**92.00 95.71 T2 Basalt - Altered**

<<Min: 92 - 95.71 0.1% pyrite>>

<<Alt: 92 - 95.71 moderate White mica (Serците)>>

<<Alt: 92 - 95.71 moderate Serците>>

<<Alt: 92 - 95.71 weak Ankerite>>

<<Vein: 93.47 - 93.53 Quartz>>

**95.71 100.03 T1 Basalt**

<<Min: 95.71 - 100.03 0.5% pyrite>>

<<Min: 95.71 - 100.03 0.1% hematite>> Focussed along fractures

<<Alt: 95.71 - 100.03 weak Fe-Carbonate>>

**100.03 113.30 T2 Basalt - Altered**

<<Min: 100.03 - 106.55 2% pyrite>>

<<Min: 106.55 - 106.8 0.2% tetrahedrite>>

<<Min: 106.55 - 106.8 6% pyrite>>

<<Min: 106.55 - 106.8 0.2% arsenopyrite>>

<<Min: 106.8 - 113.3 0.2% pyrite>>

<<Alt: 100.03 - 113.3 moderate White mica (Serците)>>

<<Alt: 100.03 - 113.3 moderate Serците>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
75.90	77.40	1.50	31219	1.73				
77.40	78.90	1.50	31221	0.76				
78.90	79.65	0.75	31222	1.03				
79.65	80.00	0.35	31223	0.11				
80.00	81.50	1.50	31224	1.64				
81.50	83.00	1.50	31225	1.85				
83.00	84.50	1.50	31226	0.015				
84.50	85.55	1.05	31227	0.015				
85.55	87.00	1.45	31228	0.015				
87.00	88.65	1.65	31229	0.015				
88.65	90.35	1.70	31231	0.015				
90.35	91.85	1.50	31232	0.015				
91.85	93.40	1.55	31233	0.015				
93.40	94.30	0.90	31234	0.19				
94.30	95.30	1.00	31235	0.015				
95.30	95.90	0.60	31236	0.015				
95.90	97.40	1.50	31237	0.015				
97.40	98.20	0.80	31238	0.015				
98.20	99.15	0.95	31239	0.015				
99.15	100.40	1.25	31241	0.015				
100.40	101.90	1.50	31242	0.63				
101.90	103.40	1.50	31243	1				
103.40	104.90	1.50	31244	3.634				
104.90	106.40	1.50	31245	1.13				
106.40	107.40	1.00	31246	144.994				
107.40	108.90	1.50	31247	0.17				
108.90	110.40	1.50	31248	0.09				
110.40	111.55	1.15	31249	0.93				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m) To (m) Rocktype & Description

<<Alt: 100.03 - 113.3 weak Ankerite>>  
 <<Vein: 104.03 - 104.1 Quartz>>  
 <<Vein: 106.62 - 106.625 Quartz 0 deg. >>  
 <<Vein: 107.7 - 107.73 Quartz-Fuchsite/Mariposite 35 deg. >>  
 <<Struc: 100.75 - 102 moderate Fractured>>

**113.30 117.64 T1 Basalt**

<<Alt: 113.3 - 117.64 weak Fe-Carbonate>>

**117.64 137.83 T2 Basalt - Altered**

<<Min: 117.64 - 137.83 0.1% pyrite>>  
 <<Alt: 117.64 - 137.83 moderate Ankerite>>  
 <<Vein: 136.95 - 137.1 Quartz 55 deg. >>  
 <<Struc: 117.64 - 137.83 weak Fractured>>

**137.83 150.32 T1 Basalt**

<<Alt: 137.83 - 147.4 weak Fe-Carbonate>> Pervasive and in hairline veinlets

**150.32 152.20 FLT Fault, Fault Zone**

150.32 - 152.2: Banded/laminated sediments

<<Alt: 150.32 - 152.2 strong Clay>>  
 <<Alt: 150.32 - 152.2 moderate Chlorite >>  
 <<Alt: 150.32 - 152.2 moderate Fe-Carbonate>>  
 <<Struc: 150.32 - 152.2 strong fault 35 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
111.55	113.00	1.45	31251	0.015				
113.00	114.50	1.50	31252	0.015				

114.50	115.30	0.80	31253	0.17				
115.30	116.70	1.40	31254	0.015				
116.70	117.70	1.00	31255	0.015				
117.70	118.60	0.90	31256	0.09				
118.60	119.35	0.75	31257	1.16				
119.35	121.00	1.65	31258	0.015				
121.00	122.50	1.50	31259	0.015				
122.50	123.15	0.65	31261	0.03				
123.15	124.50	1.35	31262	0.015				
124.50	126.00	1.50	31263	0.015				
126.00	127.50	1.50	31264	0.015				
127.50	129.00	1.50	31265	0.015				
129.00	130.50	1.50	31266	0.015				
130.50	130.85	0.35	31267	0.6				
130.85	131.95	1.10	31268	0.015				
131.95	133.20	1.25	31269	0.19				
133.20	134.35	1.15	31271	0.015				
134.35	135.35	1.00	31272	0.015				
135.35	136.85	1.50	31273	0.015				
136.85	138.35	1.50	31274	0.015				
138.35	139.30	0.95	31275	0.015				
139.30	140.15	0.85	31276	0.015				
140.15	141.65	1.50	31277	0.015				

## Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m)	To (m)	Rocktype & Description
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152.20	154.53	T1 Basalt
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<<Alt: 152.2 - 154.53 moderate Fe-Carbonate>>

<<Struc: 152.2 - 154.53 weak Fractured 48 deg. >>

**End of Hole @ 154.53**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
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# Drill Log

**Project:** Cassiar **Hole Number:** 07TC-01

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By: Margot McKeown
Grid:	Hole Diameter:	Survey By:	Date Started: 10/06/2012
UTM Easting:	Core Size:	Azimuth:	Date Completed:
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 154.53	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title:	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>4.30</b>	<b>OVB Overburden</b>	3.05	4.30	1.25	31151	0.48				
<b>4.30</b>	<b>5.45</b>	<b>T2 Basalt - Altered</b> <<Min: 4.3 - 5.45 2% pyrite>> <<Alt: 4.3 - 5.45 moderate Ankerite>>	4.30	5.45	1.15	31152	0.5				
<b>5.45</b>	<b>6.15</b>	<b>T5 Quartz Vein</b> <<Min: 5.45 - 6.15 2% pyrite>> <<Min: 5.45 - 6.15 0.5% arsenopyrite>> <<Vein: 5.45 - 6.15 Quartz>>	5.45	6.35	0.90	31153	1.9				
<b>6.15</b>	<b>19.34</b>	<b>T2 Basalt - Altered</b> <<Min: 6.15 - 7.01 4% pyrite>> <<Min: 6.15 - 7.01 0.5% arsenopyrite>> <<Min: 7.01 - 13.29 1% pyrite>> <<Min: 13.29 - 14.02 7% pyrite>> <<Min: 14.02 - 16.03 4% pyrite>> <<Min: 16.8 - 19.34 3% arsenopyrite>> <<Min: 16.8 - 19.34 6% pyrite>> <<Alt: 6.15 - 16.8 weak White mica (Sericitite)>> <<Alt: 6.15 - 16.8 weak Sericitite>>	6.35	7.85	1.50	31154	0.27				
			7.85	9.35	1.50	31155	0.015				
			9.35	10.75	1.40	31156	0.22				
			10.75	12.15	1.40	31157	0.015				
			12.15	13.60	1.45	31158	0.85				
			13.60	15.00	1.40	31159	9.223				
			15.00	16.50	1.50	31161	3.394				
			16.50	18.00	1.50	31162	2.4				
			18.00	19.00	1.00	31163	1.303				
			19.00	19.30	0.30	31164	32.811				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m) To (m) Rocktype & Description

<<Alt: 6.15 - 16.8 weak Ankerite>>  
 <<Alt: 16.8 - 19.34 weak White mica (Sericite)>>  
 <<Alt: 16.8 - 19.34 weak Sericite>>  
 <<Alt: 16.8 - 19.34 moderate Ankerite>>  
 <<Vein: 13.41 - 13.52 Quartz 40 deg. >> Blebs of pyrite  
 <<Vein: 16.41 - 16.43 Quartz 55 deg. >> Hornblende bearing  
 <<Vein: 17.95 - 17.98 Quartz 55 deg. >>  
 <<Vein: 19.13 - 19.2 Quartz 60 deg. >> With chunks of wallrock  
 <<Struc: 16.8 - 17.1 moderate Fractured>>  
 <<Struc: 18.54 - 19.01 moderate fault gouge>>

**19.34 21.90 FLT Fault, Fault Zone**

19.34 - 21.9: Altered basalt

<<Min: 19.34 - 21.9 3% pyrite>>  
 <<Alt: 19.34 - 21.9 weak White mica (Sericite)>>  
 <<Alt: 19.34 - 21.9 weak Sericite>>

**21.90 24.13 T1 Basalt**

21.9 - 24.13: Amyg filled with chlorite and flattened parallel to core axis

<<Min: 21.9 - 24.13 0.5% pyrite>>  
 <<Vein: 21.9 - 24.13 Calcite 55 deg. >>  
 <<Vein: 21.9 - 24.13 Calcite 55 deg. >>

**24.13 24.37 T5 Quartz Vein**

<<Min: 24.13 - 24.37 1% pyrite>>  
 <<Min: 24.13 - 24.37 0.1% chalcopryite>>  
 <<Vein: 24.13 - 24.37 Quartz>>

**24.37 34.20 T1 Basalt**

<<Min: 24.37 - 34.2 0.3% pyrite>>  
 <<Alt: 24.37 - 34.2 weak Fe-Carbonate>>  
 <<Struc: 24.37 - 34.2 moderate Fractured>>

**34.20 79.65 T2 Basalt - Altered**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
19.30	20.80	1.50	31165	4.32				
20.80	22.30	1.50	31166	1.029				
22.30	23.80	1.50	31167	0.03				
23.80	24.20	0.40	31168	0.69				
24.20	24.50	0.30	31169	5.726				
24.50	25.20	0.70	31171	1.93				
25.20	26.70	1.50	31172	0.015				
26.70	28.20	1.50	31173	0.015				
28.20	29.70	1.50	31174	0.015				
29.70	31.20	1.50	31175	0.015				
31.20	32.70	1.50	31176	0.015				
32.70	33.60	0.90	31177	0.015				
33.60	34.70	1.10	31178	0.78				
34.70	36.20	1.50	31179	1.79				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m) To (m) Rocktype & Description

<<Min: 34.2 - 38.06 2% pyrite>>  
 <<Min: 42.4 - 42.99 1% pyrite>>  
 <<Min: 42.99 - 51 0.5% pyrite>>  
 <<Min: 51 - 51.64 3% pyrite>>  
 <<Min: 51 - 51.64 0.5% arsenopyrite>>  
 <<Min: 53.1 - 54.02 1% arsenopyrite>>  
 <<Min: 53.1 - 54.02 4% pyrite>>  
 <<Min: 54.02 - 68.6 2% pyrite>>  
 <<Min: 54.02 - 68.6 0.3% arsenopyrite>>  
 <<Min: 68.6 - 79.65 0.5% pyrite>>  
 <<Alt: 34.2 - 79.65 weak White mica (Sericite)>>  
 <<Alt: 34.2 - 79.65 weak Sericite>>  
 <<Alt: 34.2 - 79.65 moderate Ankerite>>  
 <<Vein: 36.8 - 37.01 Quartz 64 deg. >>  
 <<Vein: 42.51 - 42.68 Quartz>>  
 <<Vein: 46.29 - 46.35 Quartz>>  
 <<Vein: 47.4 - 47.46 Quartz 70 deg. >>  
 <<Vein: 48.87 - 48.97 Quartz 65 deg. >>  
 <<Vein: 53.45 - 53.56 Quartz 58 deg. >>  
 <<Vein: 60.48 - 60.51 Quartz 47 deg. >>  
 <<Vein: 63.09 - 63.23 Quartz 56 deg. >>  
 <<Vein: 75.64 - 75.85 Quartz>>  
 <<Struc: 34.2 - 79.65 weak Fractured>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
36.20	37.10	0.90	31181	4.766				
37.10	37.40	0.30	31182	17.486				
37.40	38.71	1.31	31183	3.874				
38.71	39.60	0.89	31184	0.015				
39.60	41.00	1.40	31185	0.015				
41.00	42.10	1.10	31186	0.015				
42.10	43.00	0.90	31187	1.07				
43.00	44.50	1.50	31188	0.015				
44.50	45.35	0.85	31189	0.015				
45.35	46.10	0.75	31191	0.015				
46.10	47.15	1.05	31192	1.76				
47.15	48.65	1.50	31193	4.149				
48.65	50.00	1.35	31194	0.6				
50.00	51.50	1.50	31195	0.65				
51.50	53.10	1.60	31196	0.22				
53.10	53.93	0.83	31197	2.709				
53.93	55.30	1.37	31198	1.41				
55.30	56.55	1.25	31199	0.95				
56.55	58.05	1.50	31201	0.35				
58.05	59.50	1.45	31202	0.89				
59.50	61.00	1.50	31203	0.53				
61.00	62.50	1.50	31204	0.94				
62.50	63.90	1.40	31205	1.05				
63.90	64.15	0.25	31206	0.015				
64.15	65.50	1.35	31207	0.1				
65.50	67.00	1.50	31208	0.015				
67.00	68.50	1.50	31209	1.12				
68.50	70.00	1.50	31211	0.26				
70.00	71.50	1.50	31212	0.015				
71.50	72.10	0.60	31213	0.015				
72.10	73.00	0.90	31214	0.015				
73.00	74.20	1.20	31215	0.015				
74.20	74.85	0.65	31216	0.015				
74.85	75.50	0.65	31217	0.09				
75.50	75.90	0.40	31218	0.98				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m) To (m) Rocktype & Description

**79.65 80.03 T5 Quartz Vein**

<<Vein: 79.65 - 80.03 Quartz>>

**80.03 85.59 T2 Basalt - Altered**

<<Min: 80.03 - 82.74 2% pyrite>>

<<Min: 80.03 - 82.74 0.5% arsenopyrite>> Focussed along selvages of QZ veins

<<Alt: 80.03 - 85.59 strong Ankerite>>

<<Vein: 82.17 - 82.24 Quartz 35 deg. >>

**85.59 92.00 T1 Basalt**

<<Min: 85.59 - 92 0.5% pyrite>>

<<Alt: 85.59 - 92 moderate Fe-Carbonate>> Pervasive and in hairline fractures

**92.00 95.71 T2 Basalt - Altered**

<<Min: 92 - 95.71 0.1% pyrite>>

<<Alt: 92 - 95.71 moderate Sericite>>

<<Alt: 92 - 95.71 weak Ankerite>>

<<Alt: 92 - 95.71 moderate White mica (Sericite)>>

<<Vein: 93.47 - 93.53 Quartz>>

**95.71 100.03 T1 Basalt**

<<Min: 95.71 - 100.03 0.1% hematite>> Focussed along fractures

<<Min: 95.71 - 100.03 0.5% pyrite>>

<<Alt: 95.71 - 100.03 weak Fe-Carbonate>>

**100.03 113.30 T2 Basalt - Altered**

<<Min: 100.03 - 106.55 2% pyrite>>

<<Min: 106.55 - 106.8 0.2% tetrahedrite>>

<<Min: 106.55 - 106.8 6% pyrite>>

<<Min: 106.55 - 106.8 0.2% arsenopyrite>>

<<Min: 106.8 - 113.3 0.2% pyrite>>

<<Alt: 100.03 - 113.3 moderate White mica (Sericite)>>

<<Alt: 100.03 - 113.3 moderate Sericite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
75.90	77.40	1.50	31219	1.73				
77.40	78.90	1.50	31221	0.76				
78.90	79.65	0.75	31222	1.03				
79.65	80.00	0.35	31223	0.11				
80.00	81.50	1.50	31224	1.64				
81.50	83.00	1.50	31225	1.85				
83.00	84.50	1.50	31226	0.015				
84.50	85.55	1.05	31227	0.015				
85.55	87.00	1.45	31228	0.015				
87.00	88.65	1.65	31229	0.015				
88.65	90.35	1.70	31231	0.015				
90.35	91.85	1.50	31232	0.015				
91.85	93.40	1.55	31233	0.015				
93.40	94.30	0.90	31234	0.19				
94.30	95.30	1.00	31235	0.015				
95.30	95.90	0.60	31236	0.015				
95.90	97.40	1.50	31237	0.015				
97.40	98.20	0.80	31238	0.015				
98.20	99.15	0.95	31239	0.015				
99.15	100.40	1.25	31241	0.015				
100.40	101.90	1.50	31242	0.63				
101.90	103.40	1.50	31243	1				
103.40	104.90	1.50	31244	3.634				
104.90	106.40	1.50	31245	1.13				
106.40	107.40	1.00	31246	144.99 4				
107.40	108.90	1.50	31247	0.17				
108.90	110.40	1.50	31248	0.09				
110.40	111.55	1.15	31249	0.93				



# Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m) To (m) Rocktype & Description

<<Alt: 100.03 - 113.3 weak Ankerite>>  
 <<Vein: 104.03 - 104.1 Quartz>>  
 <<Vein: 106.62 - 106.625 Quartz 0 deg. >>  
 <<Vein: 107.7 - 107.73 Quartz-Fuchsite/Mariposite 35 deg. >>  
 <<Struc: 100.75 - 102 moderate Fractured>>

**113.30 117.64 T1 Basalt**

<<Alt: 113.3 - 117.64 weak Fe-Carbonate>>

**117.64 137.83 T2 Basalt - Altered**

<<Min: 117.64 - 137.83 0.1% pyrite>>  
 <<Alt: 117.64 - 137.83 moderate Ankerite>>  
 <<Vein: 136.95 - 137.1 Quartz 55 deg. >>  
 <<Struc: 117.64 - 137.83 weak Fractured>>

**137.83 150.32 T1 Basalt**

<<Alt: 137.83 - 147.4 weak Fe-Carbonate>> Pervasive and in hairline veinlets

**150.32 152.20 FLT Fault, Fault Zone**

150.32 - 152.2: Banded/laminated sediments

<<Alt: 150.32 - 152.2 strong Clay>>  
 <<Alt: 150.32 - 152.2 moderate Chlorite >>  
 <<Alt: 150.32 - 152.2 moderate Fe-Carbonate>>  
 <<Struc: 150.32 - 152.2 strong fault 35 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
111.55	113.00	1.45	31251	0.015				
113.00	114.50	1.50	31252	0.015				

114.50	115.30	0.80	31253	0.17				
115.30	116.70	1.40	31254	0.015				
116.70	117.70	1.00	31255	0.015				
117.70	118.60	0.90	31256	0.09				
118.60	119.35	0.75	31257	1.16				
119.35	121.00	1.65	31258	0.015				
121.00	122.50	1.50	31259	0.015				
122.50	123.15	0.65	31261	0.03				
123.15	124.50	1.35	31262	0.015				
124.50	126.00	1.50	31263	0.015				
126.00	127.50	1.50	31264	0.015				
127.50	129.00	1.50	31265	0.015				
129.00	130.50	1.50	31266	0.015				
130.50	130.85	0.35	31267	0.6				
130.85	131.95	1.10	31268	0.015				
131.95	133.20	1.25	31269	0.19				
133.20	134.35	1.15	31271	0.015				
134.35	135.35	1.00	31272	0.015				
135.35	136.85	1.50	31273	0.015				
136.85	138.35	1.50	31274	0.015				
138.35	139.30	0.95	31275	0.015				
139.30	140.15	0.85	31276	0.015				
140.15	141.65	1.50	31277	0.015				

## Drill Log

Project:

Cassiar

Hole Number:

07TC-01

From (m)	To (m)	Rocktype & Description
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152.20	154.53	T1 Basalt
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<<Alt: 152.2 - 154.53 moderate Fe-Carbonate>>

<<Struc: 152.2 - 154.53 weak Fractured 48 deg. >>

**End of Hole @ 154.53**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
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# Drill Log

**Project:** Cassiar **Hole Number:** 07TC-02

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By: Margot McKeown
Grid:	Hole Diameter:	Survey By:	Date Started:
UTM Easting	Core Size:	Azimuth:	Date Completed:
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 121.01	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>3.50</b>	<b>OVB Overburden</b>									
<b>3.50</b>	<b>18.23</b>	<b>T2 Basalt - Altered</b>	3.50	4.50	1.00	31401	0.015				
<<Min: 3.5 - 8.7 1% pyrite>>			4.50	5.50	1.00	31402	0.015				
<<Min: 10.9 - 18.23 0.5% pyrite>>			5.50	6.45	0.95	31403	0.9				
<<Alt: 3.5 - 8.7 weak Sericite>>			6.45	7.45	1.00	31404	0.05				
<<Alt: 3.5 - 8.7 moderate Silicification >>			7.45	8.65	1.20	31405	4.423				
<<Alt: 3.5 - 8.7 weak White mica (Sericite)>>			8.65	10.30	1.65	31406	0.015				
<<Alt: 8.7 - 10.9 weak Ankerite>>			10.30	11.80	1.50	31407	0.015				
<<Alt: 8.7 - 10.9 weak Silicification >>			11.80	13.00	1.20	31408	0.015				
<<Alt: 10.9 - 18.23 moderate Silicification >>			13.00	14.30	1.30	31409	0.015				
<<Alt: 10.9 - 18.23 weak Ankerite>>			14.30	15.05	0.75	31411	9.703				
<<Vein: 8 - 8.1 Quartz 65 deg. >>			15.05	16.20	1.15	31412	0.03				
			16.20	17.50	1.30	31413	0.05				
			17.50	18.30	0.80	31414	4.491				
<b>18.23</b>	<b>18.89</b>	<b>T5 Quartz Vein</b>	18.30	18.80	0.50	31415	12.514				
18.23 - 18.89: Randomly oriented blebs of Py and AsPy											
<<Min: 18.23 - 18.89 9% pyrite>>			18.80	19.20	0.40	31416	1.18				
<<Min: 18.23 - 18.89 2% arsenopyrite>>											

# Drill Log

Project:

Cassiar

Hole Number:

07TC-02

From (m) To (m) Rocktype & Description

<<Vein: 18.23 - 18.89 Quartz>>

**18.89 52.61 T2 Basalt - Altered**

<<Min: 18.89 - 19.29 4% pyrite>>

<<Min: 26.2 - 28.32 4% pyrite>>

<<Min: 26.2 - 28.32 0.5% arsenopyrite>>

<<Min: 34.3 - 38.8 0.5% pyrite>>

<<Min: 42.73 - 43.24 3% pyrite>>

<<Min: 42.73 - 43.24 0.5% arsenopyrite>>

<<Min: 44.49 - 44.97 4% pyrite>>

<<Min: 44.49 - 44.97 0.5% arsenopyrite>>

<<Min: 49.11 - 52.61 2% pyrite>>

<<Alt: 18.89 - 52.61 weak White mica (Sericite)>>

<<Alt: 18.89 - 52.61 weak Sericite>>

<<Alt: 18.89 - 52.61 weak Ankerite>>

<<Vein: 23.97 - 24.07 Quartz 60 deg. >>

<<Vein: 27.88 - 27.93 Quartz 45 deg. >>

<<Vein: 42.97 - 43.06 Quartz 60 deg. >>

<<Vein: 49.33 - 49.42 Quartz>> With ankerite and coarse euhedral yrite

**52.61 53.09 FLT Fault, Fault Zone**

<<Min: 52.61 - 53.09 0.1% pyrite>>

<<Alt: 52.61 - 53.09 moderate White mica (Sericite)>>

<<Alt: 52.61 - 53.09 moderate Sericite>>

**53.09 103.62 T2 Basalt - Altered**

<<Min: 53.09 - 61.55 0.1% pyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
19.20	20.70	1.50	31417	0.015				
20.70	22.20	1.50	31418	0.015				
22.20	23.70	1.50	31419	0.015				
23.70	24.50	0.80	31421	0.19				
24.50	25.50	1.00	31422	0.015				
25.50	26.95	1.45	31423	0.87				
26.95	28.45	1.50	31424	2.469				
28.45	29.15	0.70	31425	0.2				
29.15	30.55	1.40	31426	0.03				
30.55	32.05	1.50	31427	0.03				
32.05	32.85	0.80	31428	0.04				
32.85	33.00	0.15	31429	0.91				
33.00	34.35	1.35	31431	0.1				
34.35	35.85	1.50	31432	0.48				
35.85	37.35	1.50	31433	0.61				
37.35	38.30	0.95	31434	0.42				
38.30	39.80	1.50	31435	0.03				
39.80	41.30	1.50	31436	0.015				
41.30	42.70	1.40	31437	0.09				
42.70	43.40	0.70	31438	2.366				
43.40	44.35	0.95	31439	0.05				
44.35	45.60	1.25	31441	8.023				
45.60	47.10	1.50	31443	0.04				
47.10	48.75	1.65	31444	0.15				
48.75	50.25	1.50	31445	4.423				
50.25	51.55	1.30	31446	3.257				
51.55	52.85	1.30	31447	0.97				
52.85	54.25	1.40	31448	0.05				
54.25	55.65	1.40	31449	0.06				
55.65	57.00	1.35	32001	0.015				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-02

From (m) To (m) Rocktype & Description

<<Min: 66.1 - 68.23 2% pyrite>>  
 <<Min: 66.1 - 68.23 0.5% arsenopyrite>>  
 <<Min: 68.56 - 69.19 0.1% pyrite>>  
 <<Min: 70.2 - 70.57 0.1% pyrite>>  
 <<Min: 75.05 - 77.04 0.1% pyrite>>  
 <<Min: 92.79 - 93.57 0.5% pyrite>>  
 <<Min: 95.2 - 96 3% pyrite>>  
 <<Min: 95.2 - 96 0.5% arsenopyrite>>  
 <<Min: 100.42 - 103.11 0.5% pyrite>>  
 <<Alt: 53.09 - 88.05 weak White mica (Sericite)>>  
 <<Alt: 53.09 - 88.05 weak Sericite>>  
 <<Alt: 53.09 - 88.05 moderate Ankerite>>  
 <<Alt: 88.05 - 92.45 strong Ankerite>>  
 <<Alt: 92.45 - 107.91 weak Sericite>>  
 <<Alt: 92.45 - 107.91 weak White mica (Sericite)>>  
 <<Alt: 92.45 - 107.91 moderate Ankerite>>  
 <<Vein: 59.5 - 59.6 Quartz 25 deg. >>  
 <<Vein: 67.71 - 67.94 Quartz>> Trace amounts of fuchsite  
 <<Vein: 69.21 - 69.25 Quartz 30 deg. >>  
 <<Vein: 92.1 - 92.12 Quartz 60 deg. >>  
 <<Vein: 92.44 - 92.5 Quartz>>  
 <<Vein: 95.07 - 95.18 Quartz>>  
 <<Vein: 95.79 - 95.85 Quartz 45 deg. >>  
 <<Vein: 101.1 - 101.12 Quartz 35 deg. >>  
 <<Vein: 101.43 - 101.45 Quartz>>  
 <<Vein: 101.9 - 101.91 Quartz 35 deg. >>  
 <<Vein: 102.34 - 102.36 Quartz 30 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
57.00	57.40	0.40	32002	0.37				
57.40	58.30	0.90	32003	0.015				
58.30	59.25	0.95	32004	0.015				
59.25	60.45	1.20	32005	0.015				
60.45	61.95	1.50	32006	0.015				
61.95	63.45	1.50	32007	0.015				
63.45	64.95	1.50	32008	0.015				
64.95	66.40	1.45	32009	0.05				
66.40	67.80	1.40	32011	11.211				
67.80	69.20	1.40	32012	0.015				
69.20	69.70	0.50	32013	1.59				
69.70	71.20	1.50	32014	0.015				
71.20	72.80	1.60	32015	0.015				
72.80	74.40	1.60	32016	0.015				
74.40	76.00	1.60	32017	0.015				
76.00	77.00	1.00	32018	0.91				
77.00	78.50	1.50	32019	0.015				
78.50	80.00	1.50	32021	0.015				
80.00	81.50	1.50	32022	0.015				
81.50	83.00	1.50	32023	0.015				
83.00	84.50	1.50	32024	0.015				
84.50	86.00	1.50	32025	0.015				
86.00	87.50	1.50	32026	0.015				
87.50	88.00	0.50	32027	0.015				
88.00	89.50	1.50	32028	0.38				
89.50	91.00	1.50	32029	0.05				
91.00	92.50	1.50	32031	0.23				
92.50	94.00	1.50	32032	0.17				
94.00	95.50	1.50	32033	0.56				
95.50	96.60	1.10	32034	0.7				
96.60	99.60	3.00	32035	0.015				
99.60	101.10	1.50	32036	0.05				
101.10	102.60	1.50	32037	0.77				
102.60	103.80	1.20	32038	0.28				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-02

From (m) To (m) Rocktype & Description

**103.62 106.10 FLT Fault, Fault Zone**

103.62 - 106.1: Breccia

**106.10 116.79 T2 Basalt - Altered**

<<Alt: 107.91 - 116.79 strong Ankerite>>

<<Vein: 108.91 - 108.98 Quartz-Carbonate 25 deg. >>

<<Vein: 109.11 - 109.25 Calcite 50 deg. >>

<<Vein: 109.11 - 109.25 Calcite 50 deg. >>

**116.79 121.01 T1 Basalt**

<<Alt: 116.79 - 121.01 moderate Fe-Carbonate>>

**End of Hole @ 121.01**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
103.80	104.90	1.10	32039	0.015				
104.90	106.30	1.40	32041	0.015				
106.30	107.80	1.50	32042	0.015				
107.80	108.85	1.05	32043	0.015				
108.85	109.30	0.45	32044	0.015				
109.30	110.40	1.10	32045	0.015				
110.40	111.50	1.10	32046	0.015				
111.50	112.65	1.15	32047	0.015				
112.65	113.65	1.00	32048	0.12				
113.65	114.70	1.05	32049	0.015				
114.70	116.20	1.50	31351	0.015				
116.20	117.70	1.50	31352	0.015				
117.70	119.20	1.50	31353	0.015				
119.20	121.05	1.85	31354	0.015				

# Drill Log

**Project:** Cassiar **Hole Number:** 07TC-04

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By:
Grid:	Hole Diameter:	Survey By:	Date Started: 27/06/2012
UTM Easting	Core Size: HQ	Azimuth:	Date Completed: 27/06/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 141.4	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			
Re-log of historic diamond drill hole drilled 2007 on the Taurus deposit.			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>11.15</b>	<b>T2 Basalt - Altered</b>	1.10	1.40	0.30	32296	4.834				
<<Min: 3.5 - 8 6% pyrite>>			1.40	2.06	0.66	32297	0.015				
<<Min: 3.5 - 8 2% arsenopyrite>>			2.06	3.56	1.50	32298	0.015				
<<Alt: 0 - 11.15 strong Ankerite>>			3.56	4.27	0.71	32299	1.53				
			4.27	5.00	0.73	31355	2.366				
			5.00	5.60	0.60	31356	3.12				
			5.60	6.45	0.85	31357	0.11				
			6.45	6.65	0.20	31358	3.943				
			6.65	6.98	0.33	31359	10.937				
			6.98	7.50	0.52	31361	1.62				
			7.50	9.00	1.50	31362	0.06				
			9.00	9.85	0.85	31363	0.03				
			9.85	10.60	0.75	31364	0.015				
			10.60	11.06	0.46	31365	1.29				
			11.06	12.56	1.50	31366	0.015				
<b>11.15</b>	<b>17.30</b>	<b>T1 Basalt</b>	12.56	14.06	1.50	31367	0.03				
			14.06	14.90	0.84	31368	0.06				
			14.90	15.05	0.15	31369	0.13				
			15.05	16.70	1.65	31371	0.015				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-04

From (m) To (m) Rocktype & Description

**17.30 20.90 T2 Basalt - Altered**

<<Min: 17.3 - 19.4 6% pyrite>>

<<Min: 17.3 - 19.4 1% arsenopyrite>>

<<Alt: 17.3 - 20.9 strong Ankerite>>

<<Vein: 18.5 - 18.85 Quartz 45 deg. >> set of 2-8cm veins

**20.90 26.25 T1 Basalt**

**26.25 36.70 T2 Basalt - Altered**

<<Min: 26.6 - 27.5 4% pyrite>>

<<Min: 32.2 - 34 6% pyrite>>

<<Min: 32.2 - 34 1% arsenopyrite>>

<<Alt: 26.25 - 36.7 strong Ankerite>>

<<Vein: 33.1 - 33.4 Quartz 45 deg. >> wall rock bands included, semi-msv Py+As associated with QV

**36.70 46.20 T1 Basalt**

**46.20 69.80 T2 Basalt - Altered**

<<Min: 54.6 - 54.7 6% arsenopyrite>> lower QV contact (2-3cm)

<<Min: 55.2 - 55.5 6% pyrite>> stringers and semi-msv clots near wallrockcontacts

<<Min: 55.2 - 55.5 4% arsenopyrite>> stringers and semi-msv clots near wallrockcontacts

<<Min: 59.94 - 59.95 10% arsenopyrite>> 1cm envelope to EXT QV, also forming fg mineralisation associated with thin (1mm) fracture into wall rock

<<Min: 64 - 67.9 4% pyrite>> very coarse grained (1cm), almost aggregates/semi-msv

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
16.70	17.40	0.70	31372	0.015				
17.40	17.71	0.31	31373	0.05				
17.71	18.41	0.70	31374	2.057				
18.41	19.06	0.65	31375	1.53				
19.06	20.18	1.12	31376	0.05				
20.18	20.98	0.80	31377	0.11				
20.98	22.48	1.50	31378	0.09				
22.48	23.95	1.47	31379	0.03				
23.95	25.10	1.15	31381	0.04				
25.10	26.25	1.15	31382	0.015				
26.25	26.45	0.20	31383	0.015				
26.45	27.65	1.20	31384	0.76				
27.65	28.65	1.00	31385	0.015				
28.65	29.93	1.28	31386	0.015				
29.93	31.17	1.24	31387	0.015				
31.17	32.05	0.88	31388	0.18				
32.05	33.00	0.95	31389	1.07				
33.00	33.75	0.75	31391	7.166				
33.75	35.00	1.25	31392	0.03				
35.00	36.50	1.50	31393	0.015				
36.50	38.10	1.60	31394	0.015				
38.10	39.45	1.35	31395	0.015				
39.45	41.03	1.58	31396	0.06				
41.03	42.60	1.57	31397	0.04				
42.60	43.50	0.90	31398	0.03				
43.50	45.13	1.63	31399	0.015				
45.13	46.42	1.29	32051	0.015				
46.42	48.00	1.58	32052	0.04				
48.00	49.60	1.60	32053	0.07				
49.60	51.10	1.50	32054	0.72				
51.10	52.70	1.60	32055	0.05				
52.70	54.00	1.30	32056	2.297				
54.00	55.20	1.20	32057	0.25				



# Drill Log

Project:

Cassiar

Hole Number:

07TC-04

From (m) To (m) Rocktype & Description

<<Min: 64 - 67.9 0.5% arsenopyrite>>  
 <<Alt: 46.2 - 69.8 strong Ankerite>>  
 <<Vein: 49.8 - 50 Quartz>> Tet+Cpy clusters  
 <<Vein: 54.6 - 54.7 Quartz>> msv As lower contact  
 <<Vein: 55.2 - 55.5 Quartz>> cluster +stringers As+Py in vein  
 <<Vein: 59.7 - 59.95 Quartz 45 deg. >> 1cm fg As+Py envelope  
 <<Vein: 64.45 - 64.75 Quartz>>  
 <<Vein: 66.2 - 66.35 Quartz 30 deg. >>

**69.80 72.40 T1 Basalt**  
**72.40 83.50 T2 Basalt - Altered**

<<Min: 77.9 - 78.5 3% pyrite>>  
 <<Min: 77.9 - 78.5 0.5% arsenopyrite>>  
 <<Alt: 72.4 - 83.5 strong Ankerite>>

**83.50 90.40 T1 Basalt**

**90.40 100.80 T2 Basalt - Altered**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
55.20	55.50	0.30	32058	221.00 6				
55.50	56.50	1.00	32061	3.257				
56.50	58.00	1.50	32062	0.08				
58.00	59.45	1.45	32063	0.03				
59.45	60.25	0.80	32064	2.023				
60.25	61.75	1.50	32065	0.04				
61.75	64.10	2.35	32066	0.015				
64.10	64.55	0.45	32068	8.126				
64.55	64.85	0.30	32069	3.086				
64.85	65.85	1.00	32071	11.589				
65.85	66.85	1.00	32072	0.11				
66.85	67.86	1.01	32073	5.794				
67.86	68.66	0.80	32074	0.13				
68.66	69.60	0.94	32075	0.015				
69.60	71.00	1.40	32076	0.015				
71.00	72.40	1.40	32077	0.015				
72.40	73.50	1.10	32078	0.015				
73.50	74.70	1.20	32079	0.015				
74.70	75.40	0.70	32081	0.015				
75.40	76.10	0.70	32082	0.015				
76.10	77.10	1.00	32083	0.015				
77.10	78.50	1.40	32084	1.68				
78.50	80.00	1.50	32085	0.04				
80.00	81.10	1.10	32086	0.015				
81.10	81.85	0.75	32087	0.03				
81.85	82.50	0.65	32088	0.78				
82.50	83.22	0.72	32089	0.015				
83.22	84.72	1.50	32091	0.015				
84.72	86.22	1.50	32092	0.015				
86.22	88.00	1.78	32093	0.015				
88.00	89.30	1.30	32094	0.015				
89.30	90.55	1.25	32095	0.015				
90.55	91.90	1.35	32096	0.03				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-04

From (m) To (m) Rocktype & Description

<<Alt: 90.4 - 100.8 strong Ankerite>>

**100.80 104.70 T1 Basalt**

**104.70 105.30 T8 Mafic Tuff**

104.7 - 105.3: Lapilli+ash tuff? Also sheared, possible shear zone

<<Alt: 104.7 - 105.3 moderate Ankerite>>

**105.30 109.10 T1 Basalt**

**109.10 126.90 T2 Basalt - Altered**

<<Struc: 117.9 - 127.7 strong fault breccia 45 deg. >>

**126.90 127.70 FLT Fault, Fault Zone**

126.9 - 127.7: T2,

<<Alt: 126.9 - 133.5 moderate Ankerite>>

**127.70 133.50 T2 Basalt - Altered**

<<Min: 132.4 - 133 3% pyrite>>

<<Min: 132.4 - 133 1% arsenopyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
91.90	93.40	1.50	32097	0.04				
93.40	94.90	1.50	32098	0.015				
94.90	96.40	1.50	32099	0.1				
96.40	97.90	1.50	31146	0.03				
97.90	99.50	1.60	31147	0.05				
99.50	100.90	1.40	31148	0.015				
100.90	102.00	1.10	31149	0.015				
102.00	103.45	1.45	27001	0.015				
103.45	104.85	1.40	27002	0.015				
104.85	106.10	1.25	27003	0.015				

106.10	107.40	1.30	27004	0.015				
107.40	108.90	1.50	27005	0.015				
108.90	110.40	1.50	27006	0.015				
110.40	111.90	1.50	27007	0.015				
111.90	113.40	1.50	27008	0.11				
113.40	114.25	0.85	27009	0.13				
114.25	115.75	1.50	27011	0.015				
115.75	117.20	1.45	27012	0.015				
117.20	117.96	0.76	27013	1.27				
117.96	119.46	1.50	27015	0.08				
119.46	120.95	1.49	27016	0.03				
120.95	122.56	1.61	27017	0.21				
122.56	124.06	1.50	27018	0.22				
124.06	125.56	1.50	27019	0.015				
125.56	126.96	1.40	27021	0.015				
126.96	128.50	1.54	27022	0.03				

128.50	130.00	1.50	27023	0.015				
130.00	130.90	0.90	27024	0.04				
130.90	131.80	0.90	27025	0.04				

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**07TC-04**

From (m)    To (m)                      Rocktype & Description

**133.50 141.40 T1                      Basalt**

133.5 - 141.4: Poss tuff+breccia,multiple slickenslides (chloritic) and breccia fabric, in parts may be hyloclastic. However also sever faulting has occurred. Units leading up to this zone also show strong faulting.

<<Struc: 138 - 138 weak fault 10 deg. >>

**End of Hole @ 141.4**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
131.80	132.35	0.55	27026	0.56				
132.35	132.55	0.20	27027	1.26				
132.55	134.00	1.45	27028	0.49				
134.00	135.30	1.30	27029	0.03				

135.30	136.80	1.50	27031	0.015				
136.80	138.30	1.50	27032	0.03				
138.30	139.80	1.50	27033	0.015				
139.80	141.40	1.60	27034	0.015				

# Drill Log

**Project:** Cassiar **Hole Number:** 07TC-05

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By: Ryan Congdon
Grid:	Hole Diameter:	Survey By:	Date Started: 29/06/2012
UTM Easting	Core Size: HQ	Azimuth:	Date Completed: 29/06/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 190.8	Drill Rig:
Local Easting:	Stored?: <input checked="" type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			

**Comments:**

Quick re-log of historic diamond drill hole from 2007, drilled on Taurus Hill 88 area.

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>6.30</b>	<b>NCOR No Core</b>	3.30	4.80	1.50	32141	0.015				
			4.80	6.30	1.50	32142	0.015				
<b>6.30</b>	<b>7.85</b>	<b>T1 Basalt</b>	6.30	7.85	1.55	32143	0.015				
<b>7.85</b>	<b>8.85</b>	<b>T2 Basalt - Altered</b>	7.85	8.85	1.00	32144	0.69				
<<Min: 7.85 - 8.85 4% pyrite>>											
<<Min: 7.85 - 8.85 1% arsenopyrite>>											
<<Alt: 7.85 - 8.85 strong Ankerite>>											
<b>8.85</b>	<b>11.70</b>	<b>T1 Basalt</b>	8.85	10.30	1.45	32145	1				
			10.30	11.70	1.40	32146	0.015				
<b>11.70</b>	<b>20.50</b>	<b>T2 Basalt - Altered</b>	11.70	13.50	1.80	32147	3.189				
<<Min: 11.7 - 15 6% pyrite>>											
<<Min: 15 - 17.5 5% pyrite>>											
<<Min: 15 - 17.5 2% arsenopyrite>>											
<<Alt: 11.7 - 20.5 strong Ankerite>>											
<<Vein: 15.5 - 15.5 Quartz 45 deg. >>											
			13.50	15.00	1.50	32148	2.297				
			15.00	15.65	0.65	32149	0.21				
			15.65	17.00	1.35	32151	0.64				
			17.00	18.00	1.00	32152	2.057				
			18.00	18.90	0.90	32153	0.12				
			18.90	20.50	1.60	32154	0.03				
<b>20.50</b>	<b>25.00</b>	<b>T1 Basalt</b>	20.50	22.00	1.50	32155	0.015				
<<Alt: 20.5 - 25 weak Ankerite>>											
			22.00	23.50	1.50	32156	0.015				

# Drill Log

Project:

Cassiar

Hole Number:

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From (m) To (m) Rocktype & Description

**25.00 29.30 T2 Basalt - Altered**

<<Min: 28.45 - 32.3 6% pyrite>>  
 <<Min: 28.45 - 32.3 0.5% arsenopyrite>>  
 <<Alt: 25 - 32.3 strong Ankerite>>

**29.30 29.60 T5 Quartz Vein**

<<Min: 29.3 - 29.6 10% pyrite>> bands of sulphides (0.1-2cm) and stringers in 30cm QV and margins  
 <<Min: 29.3 - 29.6 6% arsenopyrite>> bands of sulphides (0.1-2cm) and stringers in 30cm QV and margins  
 <<Vein: 29.3 - 29.6 Quartz>>

**29.60 32.30 T2 Basalt - Altered**

**32.30 34.90 T1 Basalt**

**34.90 35.55 T5 Quartz Vein**

<<Min: 34.9 - 39.8 5% pyrite>>  
 <<Min: 34.9 - 39.8 1% arsenopyrite>>  
 <<Alt: 34.9 - 41 strong Ankerite>>  
 <<Vein: 34.9 - 35.55 Quartz>>

**35.55 41.00 T2 Basalt - Altered**

<<Min: 37.5 - 38.4 3% arsenopyrite>>  
 <<Vein: 35.55 - 36 Quartz 45 deg. >>

**41.00 42.50 FLT Fault, Fault Zone**

<<Alt: 41 - 42.5 moderate Ankerite>>

**42.50 44.65 T2 Basalt - Altered**

<<Alt: 42.5 - 45.7 strong Ankerite>>

**44.65 44.95 T5 Quartz Vein**

<<Vein: 44.65 - 44.95 Quartz>>

**44.95 45.70 T2 Basalt - Altered**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
23.50	24.45	0.95	32157	0.04				
24.45	25.05	0.60	32158	0.015				
25.05	25.80	0.75	32159	0.17				
25.80	27.30	1.50	32161	0.04				
27.30	28.45	1.15	32162	0.015				
28.45	29.30	0.85	32163	3.737				
29.30	29.60	0.30	32164	20.297				
29.60	30.30	0.70	32165	0.015				
30.30	30.80	0.50	32166	0.05				
30.80	31.90	1.10	32167	13.886				
31.90	32.90	1.00	32168	0.04				
32.90	33.90	1.00	32169	0.03				
33.90	34.90	1.00	32171	0.015				
34.90	35.55	0.65	32172	3.154				
35.55	36.00	0.45	32173	7.989				
36.00	37.50	1.50	32175	2.366				
37.50	38.70	1.20	32176	0.7				
38.70	39.90	1.20	32177	2.709				
39.90	41.35	1.45	32178	0.015				
41.35	42.50	1.15	32179	0.04				
42.50	43.65	1.15	32181	5.554				
43.65	44.65	1.00	32182	0.8				
44.65	44.95	0.30	32183	6.411				
44.95	46.40	1.45	32184	0.43				

# Drill Log

Project:

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From (m) To (m) Rocktype & Description

**45.70 52.60 T1 Basalt**

**52.60 52.95 T2 Basalt - Altered**

<<Min: 52.6 - 52.95 8% pyrite>>

<<Min: 52.6 - 52.95 3% arsenopyrite>>

<<Alt: 52.6 - 53.9 strong Ankerite>>

**52.95 53.30 T5 Quartz Vein**

<<Min: 52.95 - 53.3 3% arsenopyrite>> bands

<<Min: 52.95 - 53.3 6% pyrite>> bands

<<Vein: 52.95 - 53.3 Quartz 48 deg. >>

**53.30 53.90 T2 Basalt - Altered**

<<Min: 53.3 - 53.9 5% pyrite>>

<<Min: 53.3 - 53.9 1% arsenopyrite>>

**53.90 58.30 T1 Basalt**

**58.30 60.35 T2 Basalt - Altered**

<<Min: 58.3 - 60.35 1% pyrite>>

<<Alt: 58.3 - 68.2 strong Ankerite>>

**60.35 60.60 T5 Quartz Vein**

<<Min: 60.4 - 62 6% pyrite>>

<<Min: 60.4 - 62 1% arsenopyrite>>

<<Vein: 60.35 - 60.6 Quartz>>

**60.60 68.20 T2 Basalt - Altered**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
46.40	47.90	1.50	32185	0.015				
47.90	49.40	1.50	32186	0.015				
49.40	50.90	1.50	32187	0.015				
50.90	51.90	1.00	32188	0.015				
51.90	52.65	0.75	32189	0.03				
52.65	52.95	0.30	32191	1.25				
52.95	53.30	0.35	32192	16.217				
53.30	53.90	0.60	32193	1.53				
53.90	55.40	1.50	32194	0.03				
55.40	56.90	1.50	32195	0.03				
56.90	57.40	0.50	32196	0.015				
57.40	58.30	0.90	32197	0.03				
58.30	59.05	0.75	32198	0.61				
59.05	60.00	0.95	32199	0.015				
60.00	60.35	0.35	07TC-05_43101	2.263				
60.35	60.60	0.25	07TC-05_43102	2.434				
60.60	61.95	1.35	07TC-05_43103	1.19				
61.95	62.55	0.60	07TC-05_43104	0.015				
62.55	63.10	0.55	07TC-05_43105	0.35				
63.10	63.75	0.65	07TC-05_43106	0.015				
63.75	64.35	0.60	07TC-05_43107	6.411				
64.35	65.85	1.50	07TC-05_43108	0.19				

# Drill Log

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From (m) To (m) Rocktype & Description

**68.20 76.85 T1 Basalt**

**76.85 78.30 T2 Basalt - Altered**

<<Alt: 76.85 - 97.2 strong Ankerite>>

**78.30 78.60 FLT Fault, Fault Zone**

78.3 - 78.6: QV

**78.60 94.75 T2 Basalt - Altered**

**94.75 95.55 FLT Fault, Fault Zone**

94.75 - 95.55: Fault Breccia

<<Min: 94.75 - 95.55 2% pyrite>>

<<Min: 94.75 - 95.55 0.5% arsenopyrite>>

<<Struc: 94.75 - 95.55 strong fault breccia 45 deg. >> Qtz+Ca vein breccia

**95.55 97.20 T2 Basalt - Altered**

**97.20 102.80 T1 Basalt**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
65.85	67.35	1.50	07TC-05_43109	0.31				
67.35	68.85	1.50	07TC-05_43111	0.015				
68.85	69.85	1.00	07TC-05_43112	0.015				
69.85	71.30	1.45	07TC-05_43113	0.015				
71.30	72.80	1.50	07TC-05_43114	0.015				
72.80	73.80	1.00	07TC-05_43115	0.03				
73.80	75.25	1.45	07TC-05_43116	0.015				
75.25	76.85	1.60	07TC-05_43117	0.015				
76.85	78.30	1.45	07TC-05_43118	0.43				
78.30	78.60	0.30	07TC-05_43119	1.92				
78.60	80.10	1.50	07TC-05_43121	0.24				
80.10	81.60	1.50	07TC-05_43122	0.015				
81.60	83.10	1.50	07TC-05_43123	0.05				
83.10	84.30	1.20	07TC-05_43124	0.015				
84.30	85.80	1.50	07TC-05_43125	0.015				
85.80	86.85	1.05	07TC-05_43126	0.015				
86.85	88.35	1.50	07TC-05_43127	0.07				
88.35	89.80	1.45	07TC-05_43128	0.015				
89.80	91.30	1.50	07TC-05_43129	0.17				
91.30	92.55	1.25	07TC-05_43131	0.47				
92.55	94.00	1.45	07TC-05_43132	0.14				
94.00	94.95	0.95	07TC-05_43133	0.75				
94.95	95.55	0.60	07TC-05_43134	0.52				
95.55	96.30	0.75	07TC-05_43135	0.63				
96.30	97.80	1.50	07TC-05_43136	0.03				
97.80	99.30	1.50	07TC-05_43137	0.015				
99.30	100.80	1.50	07TC-05_43138	0.015				

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From (m) To (m) Rocktype & Description

**102.80 110.05 T2 Basalt - Altered**

<<Min: 104 - 106 4% pyrite>>  
 <<Min: 105 - 105.8 2% arsenopyrite>>  
 <<Min: 109.5 - 110.7 4% pyrite>>  
 <<Alt: 102.8 - 128 strong Ankerite>>

**110.05 110.35 T5 Quartz Vein**

<<Vein: 110.05 - 110.35 Quartz>>

**110.35 121.90 T2 Basalt - Altered**

<<Min: 121 - 121.5 2% pyrite>>  
 <<Min: 121 - 121.5 0.5% arsenopyrite>> associated with 10cm ext QV  
 <<Vein: 121.2 - 121.24 Quartz 42 deg. >>  
 <<Struc: 110.5 - 115 weak fault 10 deg. >> low angle faulting

**121.90 124.90 FLT Fault, Fault Zone**

**124.90 128.00 T2 Basalt - Altered**

<<Struc: 124.9 - 128 moderate fault 10 deg. 30 deg. >> low angle fault breccia

**128.00 133.75 T1 Basalt**

**133.75 154.40 T2 Basalt - Altered**

<<Min: 134.7 - 137 5% pyrite>>  
 <<Min: 134.7 - 137 1% arsenopyrite>>  
 <<Min: 142.5 - 143.4 5% pyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
100.80	102.30	1.50	07TC-05_43139	0.015				
102.30	103.35	1.05	07TC-05_43141	0.015				
103.35	104.60	1.25	07TC-05_43142	0.9				
104.60	106.05	1.45	07TC-05_43143	0.75				
106.05	107.10	1.05	07TC-05_43144	0.42				
107.10	108.60	1.50	07TC-05_43145	0.17				
108.60	109.50	0.90	07TC-05_43146	0.015				
109.50	110.05	0.55	07TC-05_43147	1.28				
110.05	110.35	0.30	07TC-05_43148	0.3				
110.35	111.65	1.30	07TC-05_43149	0.17				
111.65	113.00	1.35	07TC-05_43151	0.07				
113.00	114.50	1.50	07TC-05_43152	0.015				
114.50	115.50	1.00	07TC-05_43153	0.11				
115.50	116.40	0.90	07TC-05_43154	0.015				
116.40	117.55	1.15	07TC-05_43155	0.03				
117.55	118.55	1.00	07TC-05_43156	0.015				
118.55	120.00	1.45	07TC-05_43157	0.015				
120.00	121.00	1.00	07TC-05_43158	0.11				
121.00	121.90	0.90	07TC-05_43159	0.45				
121.90	123.40	1.50	07TC-05_43161	0.03				
123.40	124.90	1.50	07TC-05_43162	0.015				
124.90	126.40	1.50	07TC-05_43163	0.03				
126.40	127.05	0.65	07TC-05_43164	0.015				
127.05	127.35	0.30	07TC-05_43165	0.015				
127.35	128.60	1.25	07TC-05_43166	0.015				
128.60	130.10	1.50	07TC-05_43167	0.015				
130.10	131.60	1.50	07TC-05_43168	0.015				
131.60	132.60	1.00	07TC-05_43169	0.015				
132.60	133.75	1.15	07TC-05_43171	0.015				
133.75	135.20	1.45	07TC-05_43173	0.86				
135.20	136.70	1.50	07TC-05_43174	11.109				
136.70	138.20	1.50	07TC-05_43175	0.39				
138.20	139.40	1.20	32274	0.04				



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From (m) To (m) Rocktype & Description

<<Min: 142.5 - 143.4 1% arsenopyrite>>  
 <<Min: 146 - 146.5 3% pyrite>>  
 <<Min: 146 - 146.5 1% arsenopyrite>>  
 <<Alt: 133.75 - 154.4 strong Ankerite>>  
 <<Vein: 134.7 - 134.8 Quartz 25 deg. >>  
 <<Vein: 142.5 - 142.6 Quartz 25 deg. >>

**154.40 175.40 T1 Basalt**

154.4 - 175.4: possible mafic tuff/volcanoclastics.

**175.40 181.20 T2 Basalt - Altered**

175.4 - 181.2: weak alteration

<<Alt: 175.4 - 181.2 weak Ankerite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
139.40	140.90	1.50	32275	0.015				
140.90	141.90	1.00	32276	0.08				
141.90	143.40	1.50	32277	2.606				
143.40	144.90	1.50	32278	0.14				
144.90	146.40	1.50	32279	1.23				
146.40	147.90	1.50	32281	0.32				
147.90	148.60	0.70	32282	0.015				
148.60	149.20	0.60	32283	0.015				
149.20	150.25	1.05	32284	0.015				
150.25	151.75	1.50	32285	0.03				
151.75	153.25	1.50	32286	0.015				
153.25	154.20	0.95	32287	0.015				
154.20	155.70	1.50	32288	0.015				
155.70	157.20	1.50	32289	0.015				

157.20	158.70	1.50	32291	0.015				
158.70	159.60	0.90	32293	0.015				
159.60	160.30	0.70	32294	0.015				
160.30	161.80	1.50	32295	0.08				
161.80	163.30	1.50	178651	0.015				
163.30	164.80	1.50	178652	0.015				
164.80	166.30	1.50	178653	0.015				
166.30	167.80	1.50	178654	0.015				
167.80	169.30	1.50	178655	0.015				
169.30	170.80	1.50	178656	0.015				
170.80	172.30	1.50	178657	0.015				
172.30	173.80	1.50	178658	0.04				
173.80	175.30	1.50	178659	0.03				
175.30	176.80	1.50	178661	0.015				
176.80	178.30	1.50	178662	0.015				

178.30	179.80	1.50	178663	0.05				
179.80	181.20	1.40	178664	0.12				

# Drill Log

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From (m) To (m) Rocktype & Description

**181.20 186.60 T1 Basalt**

181.2 - 186.6: low angle chloritic faulting

**186.60 189.30 T2 Basalt - Altered**

186.6 - 189.3: Brecciated

**189.30 190.80 FLT Fault, Fault Zone**

189.3 - 190.8: T2, Strong breccia with calcite infill.

<<Alt: 189.3 - 190.8 moderate Ankerite>>

<<Struc: 189.3 - 190.3 strong fault breccia 30 deg. >> calcite breccia

**End of Hole @ 190.8**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
181.20	182.70	1.50	178665	0.015				

182.70	184.20	1.50	178666	0.015				
184.20	185.70	1.50	178667	0.015				
185.70	186.15	0.45	178668	0.015				
186.15	187.65	1.50	178669	0.015				
187.65	189.15	1.50	178671	0.06				

189.15	190.80	1.65	178672	0.015				
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# Drill Log

**Project:** Cassiar **Hole Number:** 07TC-07

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By:
Grid:	Hole Diameter:	Survey By: Ryan Congdon	Date Started: 30/07/2012
UTM Easting:	Core Size:	Azimuth:	Date Completed: 31/07/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 189.28	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title:	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			

**Comments:**

Re-log of historic Taurus drill hole targeting 'TWSH' structures and related 'T3' mineralisation. Upper portion of hole (-110m), contains alternating T2, T5 and T1. Gold mineralisation preferentially occurs in the T2 pyrite mineralised zones rather than t

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>5.20</b>	<b>9.80</b>	<b>T5 Quartz Vein</b>	5.20	6.70	1.50	178673	0				
5.2 - 9.8: Low grade, bull quartz, likely extensional.											
<<Vein: 5.2 - 9.8 Quartz 20 deg. >>											
			6.70	8.20	1.50	178674	0				
			8.20	9.20	1.00	178675	0				
			9.20	9.95	0.75	178676	0.377				
			9.95	11.40	1.45	178677	0.99				
<b>9.80</b>	<b>26.65</b>	<b>T2 Basalt - Altered</b>									
9.8 - 26.65: Upper section abundant coarse disseminated pyrite											
<<Min: 9.8 - 19.1 4% pyrite>> very coarse											
<<Min: 19.1 - 56.6 0.5% pyrite>>											
<<Struc: 9.8 - 17 weak Foliated>> weak foliation exposed on split surface, difficult to see it cut surface, possibly regional. Also trace foliation locally in lower T1 unit.											
			11.40	12.90	1.50	178678	0.63				
			12.90	14.40	1.50	178679	1.67				
			14.40	15.90	1.50	178681	1.78				
			15.90	17.40	1.50	178682	0.59				
			17.40	18.50	1.10	178683	0.79				
			18.50	19.50	1.00	178684	0.41				
			19.50	21.00	1.50	178685	0.05				
			21.00	21.80	0.80	178686	0.015				
			21.80	23.30	1.50	178687	0.04				

# Drill Log

Project:

Cassiar

Hole Number:

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From (m) To (m) Rocktype & Description

**26.65 41.20 T1 Basalt**

26.65 - 41.2: Banded lower contact to T2, likely protolith texture. Possible shearing however blebby ankerite overprints in parts. Listed in structures as banding.

<<Struc: 40.7 - 43.4 moderate Bedded 30 deg. 50 deg. >> banding across alteration boundaries. Likely original texture, possible shearing.

**41.20 57.50 T2 Basalt - Altered**

41.2 - 57.5: Weak/moderate AK, increased py min at lower contact to quartz vein.

<<Min: 56.6 - 57.5 4% pyrite>>

**57.50 61.00 T5 Quartz Vein**

57.5 - 61: Bull quartz, lower angle contacts (tca). Extensional.

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
23.30	24.80	1.50	178688	0.03				
24.80	26.00	1.20	178689	0.13				
26.00	27.00	1.00	178691	0.1				
27.00	28.50	1.50	178692	0.015				
28.50	30.00	1.50	178693	0.015				
30.00	31.50	1.50	178694	0.015				
31.50	33.00	1.50	178695	0.015				
33.00	34.50	1.50	178696	0.015				
34.50	36.00	1.50	178697	0.015				
36.00	37.50	1.50	178698	0.04				
37.50	39.00	1.50	178699	0.015				
39.00	40.10	1.10	178701	0.015				
40.10	41.10	1.00	178702	0.015				
41.10	42.20	1.10	178703	0.015				
42.20	43.10	0.90	178704	0.015				
43.10	44.10	1.00	178705	0.015				
44.10	45.60	1.50	178706	0.015				
45.60	47.10	1.50	178707	0.015				
47.10	48.10	1.00	178708	0.015				
48.10	49.70	1.60	178709	0.015				
49.70	51.20	1.50	178711	0.015				
51.20	52.40	1.20	178712	0.015				
52.40	53.40	1.00	178713	0.015				
53.40	54.40	1.00	178714	0.015				
54.40	55.45	1.05	178715	0.015				
55.45	56.60	1.15	178716	0.37				
56.60	57.60	1.00	178717	0.72				
57.60	59.10	1.50	178718	0.034				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-07

From (m) To (m) Rocktype & Description

<<Vein: 57.5 - 61 Quartz 20 deg. >> minor siliceous near boundary, otherwise bucky white massive.

**61.00 68.40 T2 Basalt - Altered**

61 - 68.4: Coarse pyrite mineralised T2.

<<Min: 61 - 68.4 7% pyrite>>

<<Struc: 63.3 - 63.8 weak Bedded 55 deg. >> weak banding, jasperoidal occur before and after this section, which is common of more massive basalt.

**68.40 73.50 T5 Quartz Vein**

68.4 - 73.5: Bull quartz, moderate contact angles tca. Extensional

<<Vein: 68.4 - 73.5 Quartz 20 deg. >>

**73.50 88.30 T2 Basalt - Altered**

73.5 - 88.3: Abundant chlorite/sericite coated fracture surfaces, increase in broken. Last 20cm is qtz+t2 breccia.

<<Min: 73.5 - 88.3 0.5% pyrite>>

<<Struc: 84 - 84.2 weak fault 5 deg. >> slickensides on chlorite/sericite coated surfaces.

<<Struc: 88 - 88.15 strong Brecciated 50 deg. >>

**88.30 91.20 T5 Quartz Vein**

88.3 - 91.2: Extensional, broken on upper contact. White bucky quartz.

<<Vein: 88.3 - 91.2 Quartz>> broken quartz, near upper contact.

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
59.10	60.15	1.05	178719	0				
60.15	61.15	1.00	178721	1.509				
61.15	62.65	1.50	178722	1.03				
62.65	64.15	1.50	178723	0.74				
64.15	65.65	1.50	178724	1.989				
65.65	67.15	1.50	178726	0.44				
67.15	68.45	1.30	178727	0.84				
68.45	69.95	1.50	178728	0.137				
69.95	71.45	1.50	178729	0				
71.45	72.95	1.50	178731	0.034				
72.95	73.70	0.75	178732	0.034				
73.70	75.20	1.50	178733	0.32				
75.20	76.10	0.90	178734	0.06				
76.10	76.95	0.85	178735	0.91				
76.95	78.40	1.45	178736	0.03				
78.40	79.90	1.50	178737	0.015				
79.90	81.40	1.50	178738	0.015				
81.40	82.90	1.50	178739	0.015				
82.90	84.40	1.50	178741	0.03				
84.40	85.90	1.50	178742	0.05				
85.90	87.00	1.10	178743	0.11				
87.00	88.00	1.00	178744	0.19				
88.00	88.40	0.40	178745	0.59				
88.40	89.90	1.50	178746	0.137				
89.90	91.10	1.20	178747	0				
91.10	92.60	1.50	178748	0.49				

# Drill Log

Project:

Cassiar

Hole Number:

07TC-07

From (m) To (m) Rocktype & Description

**91.20 96.40 T2 Basalt - Altered**

91.2 - 96.4: Moderate py near upper quartz contact, decreasing downhole.

<<Min: 91.2 - 96.4 3% pyrite>>

<<Struc: 95 - 95.1 weak fault 5 deg. >> running para to core axis, 2cm carbon braccia.

**96.40 106.90 T1 Basalt**

96.4 - 106.9: Interbedded T1 and weak to moderately altered T2. 0.5-2m zones of ankerite alteration in un-altered basalt.

<<Min: 96.4 - 106.9 0.5% pyrite>>

**106.90 108.70 T2 Basalt - Altered**

106.9 - 108.7: Pyrite mineralised.

<<Min: 106.9 - 109.7 7% pyrite>>

<<Vein: 107.2 - 107.3 Quartz 30 deg. >>

**108.70 109.85 T1 Basalt**

<<Min: 109.7 - 109.85 0.5% pyrite>>

**109.85 111.85 T2 Basalt - Altered**

<<Min: 109.85 - 111.85 4% pyrite>>

**111.85 112.65 T12 Massive Sulphide**

111.85 - 112.65: semi-massive pyrite zone, medium to coarse grained pyrite aggregates. Minor qtz and t2 pieces.

<<Min: 111.85 - 112.65 60% pyrite>>

**112.65 113.45 T2 Basalt - Altered**

<<Min: 112.65 - 113.45 7% pyrite>>

**113.45 125.25 T5 Quartz Vein**

113.45 - 125.25: Bull qtz likely extensional. Wall rock inclusions occur through the middle of the vein (1-4cm)

<<Vein: 113.85 - 125.25 Quartz>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
92.60	94.10	1.50	178749	0.43				
94.10	95.00	0.90	178751	0.62				
95.00	95.90	0.90	178752	0.44				
95.90	96.90	1.00	178753	0.03				
96.90	97.50	0.60	178754	0.015				
97.50	98.85	1.35	178755	0.015				
98.85	100.40	1.55	178756	0.015				
100.40	101.25	0.85	178757	0.015				
101.25	102.35	1.10	178758	0.015				
102.35	104.00	1.65	178759	0.03				
104.00	105.35	1.35	178761	0.03				
105.35	106.90	1.55	178762	0.04				
106.90	107.70	0.80	178763	0.97				
107.70	108.50	0.80	178764	0.18				
108.50	109.45	0.95	178765	0.015				
109.45	110.45	1.00	178766	0.015				
110.45	111.05	0.60	178767	0.04				
111.05	111.85	0.80	178768	1.11				
111.85	112.05	0.20	178769	10.8				
112.05	112.65	0.60	178771	5.897				
112.65	113.45	0.80	178772	0.78				
113.45	114.95	1.50	178773	0				
114.95	116.45	1.50	178774	0				
116.45	117.95	1.50	178775	0.034				

# Drill Log

Project:

Cassiar

Hole Number:

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From (m) To (m) Rocktype & Description

**125.25 129.65 T2 Basalt - Altered**

125.25 - 129.65: abundant coarse pyrite

<<Min: 125.25 - 129.65 7% pyrite>>

<<Vein: 125.6 - 125.61 Quartz 5 deg. >> thin ext veins down axis from qtz contact.

<<Vein: 125.65 - 125.85 Quartz 18 deg. >>

<<Vein: 128.45 - 128.55 Quartz 8 deg. >>

**129.65 142.80 T3 Pyritic Mineralised Zone**

129.65 - 142.8: Finely disseminated pyrite, upper contact marked by thin (2mm) qtz vein medium pyrite uphole-fine downhole. Minor low angle qtz veins do occur. Also gradational increase in pyrite grain size in aggregates approaching lower boundary.

<<Min: 129.65 - 142.8 12% pyrite>>

<<Min: 142 - 143.85 7% pyrite>>

<<Vein: 132.2 - 132.8 Quartz 5 deg. >>

<<Vein: 140.95 - 141.35 Quartz 10 deg. >>

**142.80 143.85 T2 Basalt - Altered**

<<Struc: 143 - 143.1 weak Bedded 50 deg. >>

**143.85 148.30 T5 Quartz Vein**

143.85 - 148.3: Likely extensional, strongly brecciated, focussed towards lower contact. Angular qtz clasts in lesser ankeritic and pyritic fracture fill.

<<Min: 143.85 - 148.44 0.5% pyrite>>

<<Vein: 143.85 - 148.3 Quartz>> likely extensional, followed by brecciation and further introduction of fluids responsible for ankerite and pyrite alteration.

<<Struc: 145.8 - 148.3 moderate fault breccia>> brecciating qtz vein (continued deformation of faulting below likely).

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
117.95	119.45	1.50	178776	0				
119.45	120.95	1.50	178777	0.137				
120.95	122.45	1.50	178778	0				
122.45	123.95	1.50	178779	0				
123.95	125.25	1.30	178781	0.034				
125.25	126.75	1.50	178782	0.66				

126.75	128.25	1.50	178783	0.9				
128.25	129.65	1.40	178784	0.92				

129.65	131.15	1.50	178786	0.7				
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131.15	132.25	1.10	178787	1.47				
132.25	133.50	1.25	178788	0.994				
133.50	135.00	1.50	178789	1.47				
135.00	136.00	1.00	178791	0.8				
136.00	136.70	0.70	178792	0.31				
136.70	138.20	1.50	178793	0.9				
138.20	139.70	1.50	178794	0.95				
139.70	140.95	1.25	178795	0.9				
140.95	141.35	0.40	178796	0.377				
141.35	142.85	1.50	178797	1.19				
142.85	143.85	1.00	178798	1.42				

143.85	145.35	1.50	178799	0.103				
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145.35	146.60	1.25	07TC-07_36951	0.48				
146.60	147.15	0.55	07TC-07_36952	2.194				

147.15	148.30	1.15	07TC-07_36953	0.754				
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# Drill Log

Project:

Cassiar

Hole Number:

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From (m) To (m) Rocktype & Description

**148.30 154.40 T2 Basalt - Altered**

148.3 - 154.4: Fault gouge, friable clay rich T2, fine (T3) and coarse pyrite.

<<Min: 148.44 - 154.4 8% pyrite>> coarse aggregates and fine-coarse diss

<<Struc: 148.3 - 154.4 strong fault>> fault gouge zone, mineralised T2, strong clay alteration, difficult to determine kinematics or timing of structure.

**154.40 159.20 T3 Pyritic Mineralised Zone**

154.4 - 159.2: Less fractured than up-hole however still broken, Finely disseminated Py. Lacking qtz veins.

<<Min: 154.4 - 159.2 16% pyrite>> forming pervasive through T2, In parts seems to form wispy bands of irregular orientation.

<<Struc: 154.4 - 159 weak fault>>

**159.20 162.30 T2 Basalt - Altered**

159.2 - 162.3: pyritic, clay altered and sheared locally.

<<Min: 159.2 - 162.3 4% pyrite>>

<<Vein: 162.1 - 162.3 Quartz>> likely extensional (upper cnt), some brittle deformation and pyrite bandin on lower contact.

<<Struc: 160.2 - 160.6 moderate Sheared 30 deg. >> friable clay alt zone

**162.30 162.90 T12 Massive Sulphide**

162.3 - 162.9: semi-msv py, lower contact of 15cm qtz vein

<<Min: 162.3 - 162.9 60% pyrite>>

**162.90 165.70 T2 Basalt - Altered**

162.9 - 165.7: Pyritic.

<<Min: 162.9 - 167.35 6% pyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
148.30	149.30	1.00	07TC-07_36954	1.65				

149.30	150.50	1.20	07TC-07_36955	2.537				
150.50	151.50	1.00	07TC-07_36956	2.297				

151.50	153.00	1.50	07TC-07_36957	2.229				
153.00	154.10	1.10	07TC-07_36958	2.023				
154.10	155.00	0.90	07TC-07_36959	5.726				
155.00	155.75	0.75	07TC-07_36961	3.394				

155.75	156.65	0.90	07TC-07_36962	2.4				
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156.65	157.30	0.65	07TC-07_36963	3.086				
157.30	158.30	1.00	07TC-07_36964	0.88				
158.30	158.70	0.40	07TC-07_36965	1.39				
158.70	159.20	0.50	07TC-07_36966	1.49				
159.20	160.10	0.90	07TC-07_36967	0.15				

160.10	161.00	0.90	07TC-07_36968	1.24				
161.00	161.30	0.30	07TC-07_36969	0.04				

161.30	161.90	0.60	07TC-07_36971	1.17				
161.90	162.20	0.30	07TC-07_36972	6.206				
162.20	163.10	0.90	07TC-07_36973	17.246				

163.10	164.60	1.50	07TC-07_36974	2.16				
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164.60	165.80	1.20	07TC-07_36975	0.58				
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# Drill Log

Project:

Cassiar

Hole Number:

07TC-07

From (m) To (m) Rocktype & Description

**165.70 166.60 FLT Fault, Fault Zone**

165.7 - 166.6: Gouge zone, pyrite rich (coarse up to 1cm), moderate clay alt. And limonite. Grey coloured fragments possibly graphitic.

<<Struc: 165.7 - 166.6 strong fault gouge>>

**166.60 167.35 T2 Basalt - Altered**

**167.35 167.70 T12 Massive Sulphide**

167.35 - 167.7: Lower zone to 2cm ext qtz vein.

<<Min: 167.35 - 167.7 40% pyrite>>

<<Vein: 167.35 - 167.37 Quartz 45 deg. >>

**167.70 170.30 T3 Pyritic Mineralised Zone**

167.7 - 170.3: fine py + minor medium grained py.

<<Min: 167.7 - 170.3 12% pyrite>>

**170.30 174.00 5DD Argillite**

170.3 - 174: Sharp contact, 5-10cm bands and fragments in sediments. Contacts seem relatively un-deformed. Ankerite blebs continue into sediments forming augen textures, stretching into strain shadows, indicates some later stage shearing (+possible earlier).

<<Min: 170.3 - 189.28 0.1% pyrite>>

<<Struc: 171.9 - 171.91 strong contact 35 deg. >> argillite-mafic, sharp weak shearing.

<<Struc: 173.5 - 173.6 strong Bedded 55 deg. >>

**174.00 180.60 T8 Mafic Tuff**

174 - 180.6: Moderately banded mafic, weak to moderate blebby ankerite occurs throughout, and banded locally.

<<Struc: 178.4 - 178.9 moderate Bedded 70 deg. >> irregular, banding, contains cherty bands. Interpreted to be related to protolith however cannot rule out shearing near thrust ramp. Could account for duplexing.

**180.60 185.90 5DD Argillite**

180.6 - 185.9: sharp contact concordant to banding, flattening and possible folding of bedding.

<<Struc: 182.2 - 182.3 strong Bedded 30 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
165.80	166.60	0.80	07TC-07_36976	2.743				
166.60	167.20	0.60	07TC-07_36977	0.13				
167.20	167.85	0.65	07TC-07_36978	2.846				
167.85	168.85	1.00	07TC-07_36979	3.566				
168.85	169.77	0.92	07TC-07_36981	2.777				
169.77	170.40	0.63	07TC-07_36982	3.977				
170.40	171.90	1.50	07TC-07_36983	0.82				
171.90	173.40	1.50	07TC-07_36984	0.18				
173.40	174.10	0.70	07TC-07_36985	0.04				
174.10	175.60	1.50	07TC-07_36986	0.19				
175.60	177.10	1.50	07TC-07_36987	0.04				
177.10	178.60	1.50	07TC-07_36989	0.03				
178.60	179.60	1.00	07TC-07_36991	0.015				
179.60	180.60	1.00	07TC-07_36992	0.015				
180.60	182.10	1.50	07TC-07_36993	0.05				

## Drill Log

Project:

Cassiar

Hole Number:

07TC-07

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
		<<Struc: 184.7 - 184.71 moderate fault 40 deg. >> bedding orintation varies around it.									
<b>185.90</b>	<b>189.20</b>	<b>5B Chert</b>									
		185.9 - 189.2: Lesser argillite bands (.5-1cm).									
		<<Struc: 185.9 - 185.901 moderate contact 30 deg. >>									
		<<Struc: 188.9 - 189 moderate Bedded 45 deg. >>									
<b>End of Hole @ 189.28</b>											

# Drill Log

**Project:** Cassiar **Hole Number:** TA09-014

Prospect:	Taurus	Hole Type:	DD	Survey Type:	GPS	Logged By:	Jim Lehtinen
Grid:		Hole Diameter:		Survey By:		Date Started:	17/06/2012
UTM Easting:	460036.75	Core Size:	NQ	Azimuth:		Date Completed:	18/06/2012
UTM Northing:	6570342.36	Casing Pulled?:	<input type="checkbox"/>	Dip:		Drill Company:	
UTM Elev. (m):		Casing Depth (m):	4.88	Length (m):	77.72	Drill Rig:	
Local Easting:		Stored?:	<input type="checkbox"/>	Claims Title:		Drill Started:	
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	
Local Elev. (m):							
Comments:							

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>4.70</b>	<b>OVB Overburden</b>									
0 - 4.7: Upper meterage box measurement incorrect. Rubbly, variably ankerite altered basalt and clay.											
<b>4.70</b>	<b>10.67</b>	<b>T2 Basalt - Altered</b>	4.70	6.60	1.90	H136311	0.279	763	71	78	2
<<Min: 4.7 - 9.1 0.5% pyrite>>											
<<Min: 9.1 - 10.67 5% pyrite>>											
<<Alt: 4.7 - 6.6 intense Ankerite>>											
<<Alt: 6.6 - 8.6 moderate Ankerite>>											
<<Alt: 8.6 - 10.67 intense Ankerite>>											
<<Struc: 6.6 - 6.65 vein 42 deg. >> quartz, chlorite											
<<Struc: 7.4 - 7.42 vein 55 deg. >> extension											
<<Struc: 7.82 - 7.83 vein 50 deg. >>											
<<Struc: 7.98 - 8 vein 30 deg. >>											
<b>10.67</b>	<b>11.16</b>	<b>T5 Quartz Vein</b>	10.72	11.16	0.44	H135963	16.766	5360	85	44	5
<<Min: 10.67 - 11.16 5% pyrite>>											
<<Min: 10.67 - 11.16 1% arsenopyrite>>											
<b>11.16</b>	<b>12.40</b>	<b>T2 Basalt - Altered</b>	11.16	12.40	1.24	H135964	1.165	1220	42	74	4
<<Min: 11.16 - 12.4 3% pyrite>>											
<<Alt: 11.16 - 12.4 intense Ankerite>>											

# Drill Log

Project:

Cassiar

Hole Number:

TA09-014

From (m) To (m) Rocktype & Description

**12.40 13.08 T5 Quartz Vein**

<<Min: 12.4 - 13.08 1% tetrahedrite>>  
 <<Min: 12.4 - 13.08 0.3% sphalerite>>  
 <<Min: 12.4 - 13.08 3% pyrite>>  
 <<Min: 12.4 - 13.08 0.1% chalcopyrite>>  
 <<Vein: 12.4 - 13.08 Quartz>> Sharp contacts erratic sulphides

**13.08 22.10 T2 Basalt - Altered**

<<Min: 13.08 - 19.48 5% pyrite>>  
 <<Min: 19.48 - 20 0.1% pyrite>>  
 <<Min: 20 - 21.23 5% pyrite>>  
 <<Alt: 13.08 - 19.48 intense Ankerite>>  
 <<Alt: 20 - 21.23 intense Ankerite>>  
 <<Vein: 19.48 - 20 Quartz>> composite veining and wall rock. Extensional?  
 <<Struc: 14.1 - 14.2 vein 55 deg. >>  
 <<Struc: 17.58 - 17.59 vein 30 deg. >> extension  
 <<Struc: 19 - 19.01 vein 15 deg. >> Extension with wallrock inclusions

**22.10 32.50 T1 Basalt**

**32.50 43.90 T2 Basalt - Altered**

<<Min: 35.5 - 36 3% pyrite>>  
 <<Min: 43.1 - 43.69 3% pyrite>>  
 <<Min: 43.69 - 44.89 gold>> 1 occurrence with TT  
 <<Min: 43.69 - 44.89 2% tetrahedrite>>  
 <<Min: 43.69 - 44.89 0.1% sphalerite>>  
 <<Min: 43.69 - 44.89 5% pyrite>>  
 <<Alt: 33.2 - 39.3 weak Ankerite>>  
 <<Alt: 40.74 - 43.69 moderate Ankerite>>  
 <<Vein: 43.69 - 44.89 Quartz>> Extension? Footwall contact undulating.  
 <<Struc: 35.9 - 35.95 vein 40 deg. >> Extension  
 <<Struc: 37.55 - 37.56 vein 45 deg. >> narrow multiple veins  
 <<Struc: 41.9 - 42.5 vein 3 deg. >> 1 cm quartz extension vn

**43.90 44.81 T5 Quartz Vein**

**44.81 47.00 T2 Basalt - Altered**

<<Min: 44.89 - 45.65 5% pyrite>>  
 <<Alt: 44.89 - 45.3 strong Ankerite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
12.40	13.08	0.68	H135965	0.445	2280	620	661	-2

13.08	14.20	1.12	H135966	3.14	4370	41	53	3
14.20	15.48	1.28	H135967	2.14	1220	45	79	2
15.48	16.76	1.28	H135968	1.205	1020	33	51	3
16.76	17.53	0.77	H135969	0.324	562	55	104	2
17.53	18.75	1.22	H135971	3.8	2320	11	38	3
18.75	20.00	1.25	H135972	2.67	791	11	27	2
20.00	21.23	1.23	H135973	2.68	6320	55	58	4

37.24	38.10	0.86	H135974	0.16	237	55	101	2
38.10	39.42	1.32	H135975	0.04	67	60	113	-2
42.67	43.69	1.02	H135976	0.752	2280	45	92	3
43.69	44.84	1.15	H135977	3.02	1970	20	12	-2

44.84	45.72	0.88	H135978	2.75	773	43	74	3
45.72	47.02	1.30	H135979	0.076	84	63	108	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA09-014

From (m) To (m) Rocktype & Description

<<Alt: 45.3 - 47 moderate Ankerite>>

**47.00 56.15 T1 Basalt**

<<Alt: 47 - 50.7 weak Ankerite>>

<<Alt: 50.7 - 51.1 moderate Ankerite>>

**56.15 57.75 T2 Basalt - Altered**

<<Alt: 56.15 - 57.76 weak Ankerite>>

**57.75 59.15 FLT Fault, Fault Zone**

57.75 - 59.15: Breccia. Healed with dolomite and ankerite altered.

<<Alt: 57.76 - 59.13 strong Ankerite>>

<<Alt: 59.13 - 64.25 intense Ankerite>>

**59.15 64.25 T2 Basalt - Altered**

<<Min: 59.6 - 62 3% pyrite>>

<<Min: 62 - 64.25 7% pyrite>>

**64.25 66.90 T5 Quartz Vein**

<<Min: 64.25 - 66.9 3% pyrite>> Py in wallrock parallel to narrow QV

<<Min: 64.25 - 66.9 1% arsenopyrite>> in wallrock parallel to QV

<<Struc: 64.25 - 66.9 vein 7 deg. >> 3-5 cm quartz vein along CA. Truncated at base by 55 tca bx

**66.90 77.72 T2 Basalt - Altered**

<<Min: 68.1 - 74.6 3% pyrite>>

<<Alt: 66.9 - 75.6 intense Ankerite>>

<<Alt: 75.6 - 77.72 strong Ankerite>>

**End of Hole @ 77.72**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
57.76	59.13	1.37	H135981	0.063	103	41	54	2
59.13	60.34	1.21	H135982	0.372	211	24	72	2
60.34	61.40	1.06	H135983	1.47	714	22	67	3
61.40	62.64	1.24	H135984	3.48	2140	27	64	2
62.64	63.40	0.76	H135985	4.32	6620	30	35	4
63.40	64.28	0.88	H135986	6.67	6320	24	26	5
64.28	65.70	1.42	H135987	1.065	1040	7	8	5
65.70	66.90	1.20	H135988	6.36	2290	8	12	2
66.90	68.06	1.16	H136313	0.026	47	46	114	-2
68.06	69.35	1.29	H135989	3.33	1080	48	64	-2
69.35	70.10	0.75	H135991	2.53	637	56	76	-2
70.10	71.55	1.45	H135992	0.696	264	59	69	-2
71.55	72.61	1.06	H135993	0.363	222	52	81	-2
72.61	73.57	0.96	H135994	0.205	379	48	115	-2
73.57	74.59	1.02	H135995	0.548	400	51	81	-2
74.59	75.97	1.38	H135996	0.014	58	77	260	-2
75.97	76.67	0.70	H135997	0.023	102	96	283	2
76.67	77.72	1.05	H135998	0.057	93	73	92	-2

# Drill Log

**Project:** Cassiar **Hole Number:** TA09-024

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By:
Grid:	Hole Diameter:	Survey By:	Date Started: 15/06/2012
UTM Easting:	Core Size:	Azimuth:	Date Completed: 15/06/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 80.77	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title:	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			

**Comments:**

Re-logging of 2009 hole on section 59850E. Original sampling is sporadic so all AK altered intervals will be sampled.

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>3.25</b>	<b>OVB Overburden</b>									
<b>3.25</b>	<b>17.10</b>	<b>T2 Basalt - Altered</b>	3.25	6.75	3.50	H136216	0.007	11	76	128	-2
3.25 - 17.1: Pillow basalt, locally very nice autoclastic breccia. Cut by 2 larger (15 cm) white quartz veins and several cm-scale planar veins. All look extensional.											
<<Min: 8.25 - 9.71 2% pyrite>>			6.75	8.95	2.20	H136217	0.17	26	45	127	-2
<<Min: 8.25 - 9.71 0.1% arsenopyrite>>			8.95	9.71	0.76	G240484	1.16	3050	72	81	10
<<Min: 14.8 - 15.45 2% pyrite>>			9.71	11.60	1.89	H136218	-0.005	10	55	123	-2
<<Alt: 8.25 - 9.71 moderate Ankerite>>			11.60	13.60	2.00	H136219	-0.005	10	63	114	-2
<<Alt: 9.71 - 13.6 weak Ankerite>>			13.60	14.80	1.20	H136220	0.038	112	60	101	-2
<<Alt: 13.6 - 14.8 moderate Ankerite>>			14.80	15.45	0.65	H136221	0.044	394	33	69	-2
<<Alt: 14.8 - 15.45 strong Ankerite>>			15.45	17.10	1.65	H136222	0.107	815	52	79	-2
<<Alt: 15.45 - 17.1 moderate Ankerite>>											
<<Vein: 9 - 9.12 Quartz 38 deg. >> planar white extensional QZ vn											
<<Vein: 15.05 - 15.2 Quartz 35 deg. >>											
<b>17.10</b>	<b>24.34</b>	<b>T1 Basalt</b>	17.10	18.29	1.19	H136223	-0.005	96	67	114	-2
17.1 - 24.34: Green, massive basalt with minor luecoxene. Cut by a gouge zone (late faulting) from 20.2 to 20.5. Gradational upper contact and sharp lower contact at a planar CA vein (probably late fault).											
<<Struc: 20.2 - 20.5 fault gouge>> late fault, grey gouge			23.34	24.34	1.00	H136224	-0.005	33	74	81	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA09-024

From (m) To (m) Rocktype & Description

**24.34 35.00 T2 Basalt - Altered**

24.34 - 35: AK altered pillowed basalt. Lower contact is gradational alteration intensity.

<<Min: 28.57 - 30.48 3% pyrite>>

<<Alt: 24.34 - 31.59 moderate Ankerite>>

<<Alt: 24.34 - 33.3 moderate Ankerite>>

<<Alt: 31.59 - 35 weak Ankerite>>

<<Alt: 33.3 - 35 weak Ankerite>> gradational lower contact

<<Vein: 24.5 - 24.55 Quartz 42 deg. >> 5% sericite as pale green patches.

<<Vein: 26.54 - 26.8 Calcite 53 deg. >> banded with wallrock but calcite as coarse grained fibrous vein. Could be late. No apparent relationship to gold or AK alt.

<<Vein: 31.3 - 31.35 Quartz 42 deg. >>

**35.00 48.13 T1 Basalt**

35 - 48.13: Green pillowed basalt. Lower contact is gradational.

**48.13 80.77 T2 Basalt - Altered**

48.13 - 80.77: AK alt pillowed basalt. Like most of this hole, pillows are nicely developed and show little deformation (possibly only minor flattening). Alteration over prints across these primary structures. Locally pillow selvages and interstices have more abundant

<<Min: 55.1 - 55.7 3% pyrite>>

<<Min: 55.1 - 55.7 0.1% arsenopyrite>>

<<Min: 61.62 - 63.02 5% pyrite>> pyrite formed preferentially in pillow selvages

<<Min: 69.2 - 69.48 4% pyrite>>

<<Min: 69.2 - 69.48 0.5% arsenopyrite>> single samp from 2009, sulfide as halos around QZ-AK-grm sericite vein

<<Min: 70.35 - 71.6 3% pyrite>> c.g. disseminated PY

<<Alt: 48.13 - 80.77 moderate Ankerite>>

<<Vein: 49 - 49.03 Quartz 42 deg. >> ext vn (fibrous) with tr Cp and SP)

<<Vein: 50 - 50.1 Quartz>> poorly recovered likely shear vein

<<Vein: 52.6 - 52.63 Quartz 37 deg. >> fibrous ext vein, planar

<<Vein: 71.4 - 71.48 Quartz 48 deg. >> planar QZ vein, sharp margins

<<Vein: 73.8 - 73.9 Quartz 37 deg. >> composite QZ and later CA vein, some wallrock with PY-AS

<<Vein: 79.9 - 79.92 Quartz 53 deg. >> Planr QZ vn

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
24.34	26.54	2.20	H136225	0.062	648	72	76	-2
26.54	26.84	0.30	G240485	0.4	1070	10	16	5
26.84	27.33	0.49	G240486	0.13	241	57	97	13
27.33	28.57	1.24	G240487	33.4	4740	34	61	5
28.57	29.46	0.89	G240488	0.54	797	28	69	3
29.46	29.71	0.25	G240489	0.23	782	26	43	7
29.71	30.48	0.77	G240490	0.51	341	44	74	3
30.48	31.59	1.11	G240491	0.025	270	44	77	2
31.59	33.30	1.71	H136226	0.071	994	37	91	-2
33.30	35.00	1.70	H136227	0.006	96	62	103	-2
35.00	36.00	1.00	H136228	-0.005	82	80	124	-2
47.24	48.13	0.89	G240492	0.025	27	68	89	3
48.13	49.09	0.96	G240493	0.07	69	58	80	3
49.09	50.01	0.92	G240494	0.07	323	66	77	1
50.10	52.60	2.50	H136229	0.009	241	63	92	-2
52.60	55.10	2.50	H136230	-0.005	97	72	89	-2
55.10	55.70	0.60	H136231	0.022	527	84	82	-2
55.70	57.20	1.50	H136232	0.011	204	74	88	-2
57.20	58.70	1.50	H136233	0.021	136	94	80	-2
58.70	60.20	1.50	H136234	-0.005	104	78	84	-2
60.20	61.62	1.42	H136235	-0.005	153	85	91	-2
61.62	62.16	0.54	G240495	3.07	1210	39	46	3
62.16	63.02	0.86	G240496	5.04	2800	38	54	6
63.02	69.20	6.18	H136236	-0.005	12	53	130	-2
69.20	69.48	0.28	G240497	0.99	10000	13	70	5
69.48	70.35	0.87	H136237	0.013	108	62	107	-2
70.35	71.60	1.25	H136238	0.164	186	31	74	-2

## Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA09-024**

From (m)    To (m)                      Rocktype & Description

**End of Hole @ 80.77**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
71.60	72.60	1.00	H136239	0.066	135	37	88	-2
72.60	73.64	1.04	H136240	0.493	574	31	117	3
73.64	73.92	0.28	G240498	0.77	6540	43	37	2
73.92	74.60	0.68	H136241	0.068	786	77	120	-2
74.60	76.60	2.00	H136242	0.012	111	56	101	-2
76.60	78.60	2.00	H136243	0.01	116	72	98	-2
78.60	80.77	2.17	H136244	0.012	340	68	86	-2



# Drill Log

**Project:** Cassiar **Hole Number:** TA09-026

Prospect: Taurus	Hole Type: DD	Survey Type: GPS	Logged By: Margot McKeown
Grid:	Hole Diameter:	Survey By: Margot McKeown	Date Started:
UTM Easting	Core Size: NQ	Azimuth:	Date Completed:
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 76.2	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			
Re-log			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>3.47</b>	<b>OVB Overburden</b>									
<b>3.47</b>	<b>18.56</b>	<b>T2 Basalt - Altered</b>	3.47	4.57	1.10	G240516	0.98	4490	33	52	4
<<Min: 3.47 - 13.72 4% pyrite>> Concentrated along vein salvages then coarse disseminated.			4.57	6.06	1.49	G240517	0.99	4310	31	51	4
<<Min: 3.47 - 13.72 0.5% arsenopyrite>>			6.06	7.62	1.56	G240518	1.45	4390	62	74	2
<<Min: 16.15 - 16.4 0.5% pyrite>>			7.62	8.92	1.30	G240519	2.48	6040	41	54	4
<<Min: 16.15 - 16.4 0.5% arsenopyrite>>			8.92	10.14	1.22	G240520	1.43	5700	47	72	4
<<Min: 17.31 - 18.13 5% pyrite>>			10.53	11.50	0.97	H136051	1.265	2850	39	59	-2
<<Alt: 3.47 - 13.51 moderate Ankerite>>			11.50	12.92	1.42	G240522	0.82	419	47	67	4
<<Alt: 13.51 - 18.56 weak Ankerite>>			12.92	13.96	1.04	G240523	0.71	230	48	67	2
<<Vein: 4.25 - 4.36 Quartz 40 deg. >>			13.96	15.96	2.00	H136052	0.007	120	50	77	-2
<<Vein: 5.97 - 6.06 Quartz>>			15.96	17.20	1.24	H136053	0.41	745	55	72	-2
<<Vein: 14.34 - 14.36 Quartz 65 deg. >> Fibrous texture along salvages indicate an extensional vein.			18.29	20.29	2.00	H136054	-0.005	9	57	115	-2
<<Vein: 15.51 - 15.55 Quartz 55 deg. >> Likely extensional											
<<Vein: 17.53 - 17.63 Quartz 50 deg. >>											
<b>18.56</b>	<b>20.21</b>	<b>T1 Basalt</b>									
<b>20.21</b>	<b>23.98</b>	<b>T2 Basalt - Altered</b>	20.29	22.31	2.02	H136055	0.038	66	52	109	-2
<<Min: 23.07 - 23.98 2% pyrite>> Concentrated near vein margins at lower contact, disseminated near smaller vein margins.			22.31	23.38	1.07	H136056	0.112	1280	76	100	-2
<<Min: 23.07 - 23.98 1% arsenopyrite>> Fine disseminated along vein margins.			23.38	23.97	0.59	G240527	0.81	1955	43	69	3

From (m) To (m) Rocktype & Description

<<Alt: 20.21 - 23.98 moderate Ankerite>>  
 <<Alt: 20.21 - 27.09 moderate Calcite>> Related to late(?) stage faulting, brecciated.  
 <<Vein: 22.79 - 22.81 Quartz 60 deg. >> extensional  
 <<Vein: 23.21 - 23.22 Quartz 75 deg. >> extensional, fibrous chlorite oriented to the centre of the vein. Forms a bit of a stockwork texture with a larger, low angle shear vein.  
 <<Vein: 23.3 - 23.33 Quartz 28 deg. >> shear(?) vein with slight banding texture.  
 <<Vein: 23.56 - 23.57 Quartz 28 deg. >> shear(?) vein with smaller extensional vein shooting from it. Fine disseminated as and py occur along margins both in the vein and the wallrock.  
 <<Vein: 23.97 - 24.38 Quartz 45 deg. >> Shear vein, slightly banded texture with smaller extensional veins

**23.98 24.38 T5 Quartz Vein**

23.98 - 24.38: extensional QV

**24.38 68.88 T2 Basalt - Altered**

<<Min: 24.38 - 24.63 5% pyrite>> Course disseminated with some euhedral crystals further downhole from the vein.  
 <<Min: 30.63 - 31.35 4% pyrite>> Clots as well as euhedral crystals. Associated with quartz veining.  
 <<Min: 30.63 - 31.35 0.5% arsenopyrite>> Fine disseminated associated with quartz veining.  
 <<Min: 32.29 - 32.6 4% pyrite>> Associated with quartz vein.  
 <<Min: 36.65 - 37.22 3% pyrite>> Course euhedral crystals associated with quartz vein.  
 <<Min: 39.07 - 39.84 2% arsenopyrite>> Course disseminated associated with quartz vein.  
 <<Min: 39.07 - 39.84 5% pyrite>> Disseminated and clots along vein salvages then coarse and euhedral away from the vein.  
 <<Min: 42.55 - 43.84 3% pyrite>> Course crystaks  
 <<Min: 45.23 - 46.36 4% pyrite>> Associated with quartz vein.  
 <<Min: 51.24 - 52.48 3% pyrite>> Associated with quartz vein  
 <<Min: 52.97 - 53.92 3% pyrite>> Associated with several cm scale qtz veins  
 <<Min: 55.97 - 59.44 3% pyrite>> Associated with cm scale qtz veins  
 <<Min: 59.96 - 61.42 3% pyrite>>  
 <<Min: 68.11 - 68.88 6% pyrite>> Occurs within a strongly bleached and moderately ank altered basalt. No veining but likely adjacent to a vein.  
 <<Alt: 24.38 - 61.42 weak White mica (Sericite)>>  
 <<Alt: 24.38 - 61.42 weak Ankerite>>  
 <<Alt: 61.42 - 68.11 weak White mica (Sericite)>>  
 <<Alt: 61.42 - 68.11 weak Chlorite >> As stringers and bands  
 <<Alt: 68.11 - 68.88 strong Ankerite>>  
 <<Vein: 26.84 - 26.88 Quartz 60 deg. >>  
 <<Vein: 28.34 - 28.35 Quartz 60 deg. >> extensional, splays off vein In record above

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
23.97	24.38	0.41	G240528	0.77	304	7	3	1
24.38	24.95	0.57	G240529	4.01	2600	65	65	5
24.95	26.49	1.54	H136057	0.069	130	53	99	-2
26.49	27.43	0.94	G240530	0.54	152	19	69	2
27.43	29.00	1.57	H136058	-0.005	100	54	102	-2
29.00	30.48	1.48	H136059	0.083	903	37	95	-2
30.48	31.54	1.06	G240531	1.19	5810	52	68	1
31.54	32.60	1.06	G240532	1.08	1200	44	71	3
32.60	34.20	1.60	H136061	0.072	209	60	104	-2
34.20	35.30	1.10	H136062	0.027	83	54	103	-2
35.30	36.74	1.44	G240533	0.74	2400	51	81	2
36.74	37.28	0.54	G240534	1.09	1085	27	62	3
37.28	39.00	1.72	H136063	0.207	424	49	87	-2
39.00	39.80	0.80	G240535	1.75	10000	32	43	4
39.80	42.55	2.75	H136064	0.051	289	61	87	-2
42.55	43.99	1.44	G240536	1.67	578	55	57	3
43.99	45.08	1.09	G240537	0.025	217	53	75	1
45.08	46.36	1.28	G240538	1.22	1200	58	50	3
46.36	47.38	1.02	H136065	0.009	123	64	84	-2
47.38	48.31	0.93	G240539	0.44	460	28	43	3
48.31	50.95	2.64	H136066	-0.005	18	70	84	-2
50.95	52.15	1.20	G240540	0.67	283	102	67	3
52.15	53.34	1.19	G240541	0.62	498	67	114	3

# Drill Log

Project:

Cassiar

Hole Number:

TA09-026

From (m)	To (m)	Rocktype & Description
<<Vein: 28.36 - 28.37	Quartz 30 deg. >>	extensional, clean vein, two connected with different orientations tca
<<Vein: 29.22 - 29.35	Quartz 55 deg. >>	
<<Vein: 30.23 - 30.24	Quartz 60 deg. >>	clean, extensional vein
<<Vein: 30.29 - 30.3	Quartz 60 deg. >>	clean, extensional vein
<<Vein: 31.02 - 31.09	Quartz 40 deg. >>	
<<Vein: 36.97 - 37.05	Quartz 65 deg. >>	Possible shear vein. Quartz with chlorite along salvages and blebs of fuchsite and sericite(?).
<<Vein: 39.4 - 39.54	Quartz 60 deg. >>	Banded quartz vein, likely a shear vein.
<<Vein: 42.78 - 42.81	Quartz 65 deg. >>	
<<Vein: 45.03 - 45.06	Quartz 65 deg. >>	
<<Vein: 45.46 - 45.49	Quartz 70 deg. >>	
<<Vein: 46.95 - 47.05	Quartz 65 deg. >>	
<<Vein: 51.34 - 51.42	Quartz 65 deg. >>	
<<Vein: 53.23 - 53.34	Quartz 80 deg. >>	
<<Vein: 53.8 - 53.83	Quartz 65 deg. >>	
<<Vein: 57.16 - 57.23	Quartz 50 deg. >>	
<<Vein: 58.84 - 58.87	Quartz 70 deg. >>	Banded quartz vein, bands of pyrite.
<<Vein: 59.05 - 59.15	Quartz 60 deg. >>	
<b>68.88</b>	<b>73.24 T1</b>	<b>Basalt</b>
<<Min: 68.88 - 72.6	0.01% arsenopyrite>>	Trace
<<Alt: 68.88 - 73.24	weak Calcite>>	Likely related to lake stage faulting
<<Alt: 68.88 - 73.24	weak Chlorite >>	As stringers
<b>73.24</b>	<b>76.20 T2</b>	<b>Basalt - Altered</b>
<<Alt: 73.24 - 76.2	moderate Ankerite>>	

End of Hole @ 76.2

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
53.34	54.63	1.29	G240542	0.58	471	63	93	2
54.63	56.08	1.45	H136067	0.078	186	66	69	-2
56.85	57.77	0.92	G240544	1.08	524	69	64	2
57.77	58.84	1.07	H136068	4.11	371	61	70	-2
58.84	59.36	0.52	G240545	5.89	671	18	31	2
59.36	59.96	0.60	H136069	0.045	183	45	90	-2
60.96	61.42	0.46	G240547	1.14	884	25	751	2
61.42	63.42	2.00	H136071	-0.005	102	69	93	-2
63.42	66.11	2.69	H136072	-0.005	63	60	85	-2
66.11	68.11	2.00	H136073	0.008	57	54	90	-2
68.11	68.88	0.77	G240548	2.01	1100	23	39	2
68.88	70.88	2.00	H136074	0.104	573	67	91	-2
70.88	72.60	1.72	H136076	-0.005	14	61	92	-2
72.60	74.35	1.75	H136077	-0.005	73	71	82	2
74.35	75.20	0.85	G240549	0.025	127	56	87	1
75.20	76.20	1.00	G240552	0.025	137	52	89	1

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA09-028**

Prospect: Taurus

Hole Type:

Survey Type: GPS

Logged By:

Grid:

Hole Diameter:

Survey By:

Date Started:

UTM Easting

Core Size:

Azimuth:

Date Completed:

UTM Northing:

Casing Pulled?:

Dip:

Drill Company:

UTM Elev. (m):

Casing Depth (m):

Length (m): 56.39

Drill Rig:

Local Easting:

Stored?:

Claims Title

Drill Started:

Local Northing:

Cemented?:

Work Place:

Drill Completed:

Local Elev. (m):

Comments:

### Downhole Surveys:

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>3.45</b>	<b>OVB Overburden</b>									
<b>3.45</b>	<b>4.92</b>	<b>T2 Basalt - Altered</b>	3.50	5.00	1.50	H136078	0.022	45	60	86	-2
<<Struc: 3.64 - 4.12 strong fault gouge>>											
<<Struc: 4.3 - 4.5 moderate fault gouge>>											
<b>4.92</b>	<b>10.25</b>	<b>T2 Basalt - Altered</b>	5.00	7.20	2.20	H136079	0.07	233	55	95	2
<<Min: 7.2 - 7.52 3% arsenopyrite>>											
<<Min: 7.2 - 7.52 7% pyrite>> Associated with 4cm quartz vein											
<<Min: 7.62 - 7.94 6% pyrite>> Associated with 4cm quartz vein											
<<Min: 7.62 - 7.94 3% arsenopyrite>> Associated with 4cm quartz vein											
<<Min: 9.4 - 11.15 4% pyrite>>											
<<Min: 9.4 - 11.15 3% arsenopyrite>>											
<<Alt: 4.95 - 7.52 strong Ankerite>>											
<<Alt: 7.52 - 15.45 weak Chlorite >> Fine wisps and stringers throughout.											
<<Alt: 7.52 - 15.45 moderate Ankerite>>											
<<Vein: 7.52 - 7.62 Quartz>>											
<b>10.25</b>	<b>11.10</b>	<b>FLT Fault, Fault Zone</b>	10.25	11.10	0.85	G240856	1.9	8070	29	42	3
10.25 - 11.1: Rubble from fault, most clay gouge has been washed away. There was a quartz vein near the middle of the section.											

# Drill Log

Project:

Cassiar

Hole Number:

TA09-028

From (m) To (m) Rocktype & Description

<<Struc: 10.25 - 11.1 moderate fault gouge>> Extremely fractured. No clear orientation.

**11.10 15.45 T2 Basalt - Altered**

<<Min: 15.24 - 15.45 3% pyrite>> Fine, disseminated.

<<Min: 15.24 - 15.45 2% arsenopyrite>> Fine, disseminated.

**15.45 16.00 T5 Quartz Vein**

<<Min: 15.65 - 16 0.5% tetrahedrite>> Along vein salvages and as sporadic blebs within the vein.

<<Vein: 15.45 - 16 Quartz>>

<<Vein: 15.65 - 16 Quartz 55 deg. >> Quartz vein, likely extensional with clean margins. Tetrahedrite along vein margins. Cm scale blebs of tetrahedrite within the vein,

**16.00 16.61 T2 Basalt - Altered**

<<Min: 16 - 16.2 2% pyrite>>

<<Min: 16 - 16.2 0.5% arsenopyrite>>

<<Alt: 16 - 16.51 moderate Chlorite >> Micro breccia texture. Hydraulic fracturing.

<<Alt: 16 - 16.61 moderate Ankerite>>

<<Struc: 16 - 16.2 strong Fractured>> Fractured, highly bleached section. Downhole the shear is oriented at 40 tca.

<<Struc: 16.2 - 16.48 weak shear 40 deg. >> Shear fabric.

**16.61 19.95 T1 Basalt**

<<Alt: 16.61 - 19.95 moderate Chlorite >> Micro breccia texture with stringers of chlorite throughout. Some particularly focused along fracture surfaces.

<<Alt: 16.61 - 19.95 moderate Calcite>> Pervasive and as stringers and veins, associated with the chlorite.

<<Vein: 19.15 - 19.17 Carbonate-Chlorite 60 deg. >>

**19.95 22.17 T2 Basalt - Altered**

<<Min: 19.95 - 21.34 4% pyrite>> Higher concentration near quartz vein.

<<Min: 21.65 - 22 0.5% arsenopyrite>>

<<Alt: 19.95 - 21.34 weak Ankerite>> Bleached, ankerite(?) alteration. Associated with quartz vein.

<<Vein: 20.33 - 20.47 Quartz 60 deg. >> Quartz with lesser ankerite.

**22.17 24.62 T1 Basalt**

<<Alt: 22.17 - 24.38 weak Chlorite >> As mm stringers throughout

<<Alt: 22.17 - 24.38 weak Calcite>> Specks of carbonate alteration as well as hairline stringers associated with chlorite.

<<Alt: 24.38 - 40.1 moderate Ankerite>>

<<Vein: 22.83 - 22.87 Chlorite 30 deg. >> Chlorite with calcite and ankerite. Shear vein with smaller extensional veins coming from it. The shear vein has a gradational margin.m

**24.62 46.69 T2 Basalt - Altered**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
11.10	13.00	1.90	H136082	0.035	93	76	100	-2
13.00	15.15	2.15	H136083	-0.005	13	60	95	2
15.15	15.45	0.30	G240857	0.44	3040	59	84	3
15.45	16.00	0.55	G240858	0.62	3960	15	48	1
16.00	16.20	0.20	G240859	2.66	9020	52	96	1
16.20	18.29	2.09	H136084	-0.005	27	69	105	-2
18.29	19.95	1.66	H136085	-0.005	28	66	109	2
19.95	21.34	1.39	G240860	1.77	2990	35	48	5
21.34	22.34	1.00	H136086	-0.005	11	60	104	3
22.34	23.64	1.30	H136087	-0.005	50	61	110	-2
24.64	25.10	0.46	G240861	2.51	900	63	62	1

# Drill Log

Project:

Cassiar

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TA09-028

From (m)	To (m)	Rocktype & Description
<<Min: 40 - 42	4%	pyrite>> Both disseminated proximal to veins and euhedral more distal to the veins.
<<Min: 43.27 - 43.88	0.5%	arsenopyrite>> Very fine disseminated throughout.
<<Min: 43.27 - 43.88	0.5%	pyrite>> Blebs throughout
<<Min: 43.69 - 49.5	4%	pyrite>> Mostly well formed pyritohedrons with lesser blebby and strings of pyrite with quartz veins.
<<Min: 43.69 - 49.5	1%	arsenopyrite>> Fine disseminated throughout.
<<Alt: 40.1 - 43.39	weak Fe-Carbonate>>	Creates a crackle breccia texture. Late stage.
<<Alt: 40.1 - 43.39	moderate Silicification >>	Silicified basalt? Alteration has obscured primary textures. The interval is a dark, smoky grey color that could almost be interpreted as a chert however it isn't hard enough.
<<Alt: 40.1 - 43.39	weak Ankerite>>	Gives a flesh coloured appearance on weathered surfaces.
<<Alt: 43.39 - 49.77	moderate Ankerite>>	Bleached and ankerite altered basalt.
<<Vein: 35.85 - 35.87	Quartz 50 deg. >>	quartz with lesser ankerite
<<Vein: 36.79 - 36.81	Quartz 50 deg. >>	Smoky quartz
<<Vein: 39.17 - 39.2	Quartz 60 deg. >>	quartz vein with tetrahedrite(?)
<<Vein: 40.85 - 40.99	Quartz>>	Slightly banded quartz vein. Too fracture to measure angles.
<<Struc: 25.43 - 27.05	strong Fractured>>	Highly fractured, fault zone.
<<Struc: 42.57 - 42.97	strong fault gouge>>	Highly fractured with some fault gouge. Too broken to determine angles.
<<Struc: 42.89 - 49.5	weak Fractured>>	Moderately fractured.

## 46.69 46.99 T5 Quartz Vein

<<Vein: 46.69 - 46.99 Quartz>>

<<Vein: 46.69 - 46.99 Quartz-Pyrite 60 deg. >> Quartz vein with strings of tetrahedrite(?) and pyrite. Minor disseminate arsenopyrite is visible however this sample (G240871) ran overlimit 10000ppm As, What is the As in? Slight banding indicate a shear vein.

## 46.99 50.85 T2 Basalt - Altered

46.99 - 50.85: Bleached basalt with carbonate/ankerite veins that are a peach and white colour. There are also late stage carbonate filled microfractures. Late movement?

<<Alt: 49.77 - 50.85 moderate Calcite>> Filling microfractures and as mm-cm scale veins with ankerite.

<<Alt: 49.77 - 50.85 moderate Ankerite>> Pervasive as well as with carbonate veins.

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
25.91	26.43	0.52	H136088	0.009	90	37	91	-2
27.05	27.95	0.90	H136089	0.027	192	66	64	-2
27.95	28.20	0.25	G240863	0.25	612	61	51	3
28.20	29.25	1.05	H136091	-0.005	151	68	64	-2
29.25	29.60	0.35	G240864	0.76	694	33	41	3
29.60	31.56	1.96	H136092	-0.005	108	60	71	3
31.56	32.32	0.76	H136093	0.057	131	40	81	-2
32.32	32.97	0.65	G240865	1.29	1825	25	56	1
32.97	35.00	2.03	H136094	-0.005	121	69	101	2
35.00	37.30	2.30	H136095	0.033	587	56	148	2
37.30	37.90	0.60	G240866	0.51	2320	45	62	1
37.90	38.60	0.70	H136096	0.174	475	52	77	2
38.60	38.85	0.25	G240867	16	1085	32	50	3
38.85	40.07	1.22	H136097	1.28	865	253	115	3
40.07	40.50	0.43	H136098	0.081	178	44	85	3
40.50	42.00	1.50	G240868	5.4	9060	48	52	3
42.00	43.07	1.07	H136099	0.066	212	61	98	-2
43.07	43.32	0.25	H136351	0.393	3730	112	40	3
43.32	44.50	1.18	H136352	0.007	154	62	90	4
44.50	44.90	0.40	G240869	1.33	5800	27	69	2
44.90	45.50	0.60	H136353	-0.005	114	64	88	-2
45.50	46.30	0.80	G240870	1.75	4100	42	52	3
46.30	47.50	1.20	G240871	2.56	10000	49	32	3
47.50	48.50	1.00	G240872	3.12	6680	65	54	4
48.50	49.50	1.00	G240873	1.33	2190	27	36	1
49.50	49.93	0.43	H136354	-0.005	71	75	103	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA09-028

From (m) To (m) Rocktype & Description

<<Vein: 48.84 - 49.14 Quartz>> Quartz vein with some wall rock caught up in it. Shear vein?  
 <<Vein: 50.15 - 50.19 Calcite-Ankerite 15 deg. >> Low angle, anastomosing, carbonate-ankerite shear veins.

**50.85 56.39 T1 Basalt**

<<Alt: 50.85 - 53.08 moderate Calcite>> Within hairline fractures.  
 <<Alt: 53.08 - 54 moderate Ankerite>> Patches of bleached and rusty ankerite altered basalt.  
 <<Alt: 53.08 - 54 moderate Calcite>> Randomly oriented veinlets.  
 <<Alt: 54 - 56.39 moderate Chlorite >> Forming a crackle breccia texture.  
 <<Alt: 54 - 56.39 moderate Calcite>> As veins and randomly oriente hairline veinlets.  
 <<Vein: 54.86 - 54.89 Calcite 10 deg. >> Late stage calcite vein at very low angle tca. Shear?  
 <<Vein: 55.07 - 55.09 Calcite 10 deg. >> Late stage calcite vein at very low angle tca. Shear?

**End of Hole @ 56.39**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
49.93	52.00	2.07	H136355	-0.005	9	66	90	-2
52.00	54.00	2.00	H136356	-0.005	10	66	93	-2
54.00	56.39	2.39	H136357	-0.005	3	78	103	-2

# Drill Log

**Project:** Cassiar **Hole Number:** TA09-034

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By: Darcy Baker
Grid:	Hole Diameter:	Survey By:	Date Started: 12/06/2012
UTM Easting	Core Size:	Azimuth:	Date Completed: 13/06/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 192.02	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

Re-logging and re-sampling 2009 hole. Original sampling is inadequate with numerous hanging, mineralised samples.

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>11.30</b>	<b>OVB Overburden</b>									
0 - 11.3: Clay rich till. Overburden.											
<b>11.30</b>	<b>69.10</b>	<b>T2 Basalt - Altered</b>	11.30	12.60	1.30	H136151	0.007	57	52	99	-2
11.3 - 69.1: Ankerite-altered basalt (T2). Few intervals alteration is only wAK but in general this entire interval is moderately AK altered with about five QZ vn zones (>10 cm) that are probably shear veins and several thinner planar, likely extensional veins. Pyri											
<<Min: 11.3 - 69.1 1% pyrite>>											
<<Min: 12.6 - 13.7 3% pyrite>>											
<<Min: 19.64 - 20.18 6% pyrite>>											
<<Min: 22.86 - 23.7 6% pyrite>>											
<<Min: 22.86 - 23.7 0.5% arsenopyrite>>											
<<Min: 38 - 39.4 5% pyrite>>											
<<Min: 45.6 - 48.52 0.5% arsenopyrite>>											
<<Min: 45.6 - 48.52 7% pyrite>>											
<<Min: 56 - 59.9 6% pyrite>>											
<<Alt: 11.3 - 69.1 moderate Ankerite>>											
<<Vein: 17.85 - 18 Quartz>>											
<<Vein: 20.8 - 21.2 Quartz 35 deg. >> shear vein with abundant wallrock, actually 3 parallel veins											
			12.60	13.45	0.85	G240930	3.54	2880	108	56	1
			13.45	15.45	2.00	H136152	0.023	73	61	107	2
			15.45	17.60	2.15	H136153	0.008	49	57	105	2
			17.60	18.50	0.90	H136154	0.152	60	49	76	2
			18.50	19.64	1.14	H136155	-0.005	8	51	105	3
			19.64	20.18	0.54	G240931	1.41	1920	47	66	1
			20.18	20.80	0.62	H136156	0.04	113	70	101	2
			20.80	21.20	0.40	H136157	0.321	162	39	39	3
			21.20	22.00	0.80	H136158	0.287	149	43	86	3
			22.00	22.51	0.51	G240932	6.57	761	22	27	1
			22.51	22.85	0.34	H136159	0.174	191	54	112	2
			22.86	23.70	0.84	G240933	1.33	1345	30	45	1



# Drill Log

Project:

Cassiar

Hole Number:

TA09-034

From (m) To (m) Rocktype & Description

<<Vein: 33.6 - 34 Quartz 46 deg. >> lower contact is sheared, likely a shear vein.

<<Vein: 58.25 - 58.5 Quartz>> shear vein with abundant wallrock inclusions

<<Vein: 67.6 - 67.9 Quartz 40 deg. >> trace tourmaline needles, fibrous AK at vein margins. Has some extensional characteristics but vein is deformed and sheared. Could be some reactivation or early tension gash that has been progressively rotated and sheared.

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
23.70	25.30	1.60	H136161	-0.005	52	55	98	2
25.30	26.90	1.60	H136162	-0.005	40	64	108	3
26.90	28.20	1.30	H136163	0.274	160	52	90	3
28.20	29.40	1.20	G240934	1.74	1530	38	52	1
29.40	31.10	1.70	H136164	-0.005	19	49	118	2
31.10	33.00	1.90	H136165	-0.005	52	61	128	-2
33.00	33.60	0.60	G240935	2.26	2010	55	58	1
33.60	34.00	0.40	G240936	0.58	129	11	26	1
34.00	34.60	0.60	G240937	0.47	452	54	80	1
34.60	36.30	1.70	H136166	0.022	113	59	93	2
36.30	38.00	1.70	H136167	0.01	131	82	120	-2
38.00	39.40	1.40	G240938	2.48	910	35	78	1
39.40	41.15	1.75	H136168	0.017	135	56	94	2
41.15	42.00	0.85	G240939	1.8	6310	30	48	1
42.00	42.65	0.65	H136169	0.021	133	63	90	2
44.00	45.60	1.60	H136171	0.052	969	47	80	-2
45.60	46.70	1.10	G240941	1.99	3910	58	60	1
46.70	47.25	0.55	H136172	0.011	129	63	83	-2
47.25	48.52	1.27	G240942	10.35	1205	72	65	1
48.52	50.00	1.48	H136173	0.746	562	44	82	2
50.00	52.00	2.00	H136174	-0.005	59	58	83	3
52.00	54.00	2.00	H136176	-0.005	83	56	92	-2
54.00	56.00	2.00	H136177	-0.005	96	57	102	2
56.00	57.00	1.00	G240943	3.17	934	42	45	1
57.00	57.70	0.70	G240944	1.91	2420	71	67	1
57.70	58.25	0.55	H136178	0.096	189	54	70	-2
58.25	59.00	0.75	G240945	1.28	867	7	36	1
59.00	59.90	0.90	G240946	1.96	1285	12	26	1
59.90	62.00	2.10	H136179	0.229	142	54	75	-2
62.00	64.30	2.30	H136181	0.014	79	47	78	-2
64.30	66.60	2.30	H136182	0.005	110	56	84	-2
66.60	68.58	1.98	H136183	0.028	176	53	62	-2
68.58	69.10	0.52	H136184	0.018	89	62	96	-2

# Drill Log

Project:

Cassiar

Hole Number:

TA09-034

From (m) To (m) Rocktype & Description

**69.10 72.99 T1 Basalt**

69.1 - 72.99: Unaltered, green basalt (T1).

**72.99 112.75 T2 Basalt - Altered**

72.99 - 112.75: Ankerite-altered basalt (T2).

<<Min: 72.99 - 74.6 2% arsenopyrite>>

<<Min: 72.99 - 74.6 5% pyrite>>

<<Min: 76.6 - 79.15 3% pyrite>>

<<Min: 82.9 - 84.8 5% pyrite>>

<<Min: 89.9 - 90.1 3% pyrite>>

<<Min: 89.9 - 90.1 1% arsenopyrite>>

<<Min: 93.7 - 107.25 3% pyrite>>

<<Min: 93.7 - 107.25 0.1% arsenopyrite>>

<<Min: 106.28 - 107.25 5% pyrite>>

<<Min: 106.28 - 107.25 1% arsenopyrite>>

<<Alt: 72.99 - 74.6 strong Ankerite>>

<<Alt: 72.99 - 114.3 moderate Ankerite>>

<<Alt: 75.2 - 76.6 weak Ankerite>>

<<Vein: 76.9 - 77.1 Quartz 57 deg. >> shear vein

<<Vein: 89.9 - 90.1 Quartz 68 deg. >>

<<Vein: 98.5 - 98.7 Quartz>> shear vein with probably en echelon, deformed veins (ext veins) above

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
69.10	71.00	1.90	H136185	-0.005	5	66	114	2
71.00	72.99	1.99	H136186	-0.005	2	61	117	-2
72.99	73.60	0.61	H136187	0.022	123	74	107	-2
73.60	74.60	1.00	G240947	1.81	5900	19	35	1
74.60	75.20	0.60	H136188	-0.005	64	52	122	2
75.20	76.60	1.40	H136189	0.006	58	59	112	2
76.60	77.10	0.50	H136191	1.525	997	82	92	-2
77.10	78.00	0.90	G240948	2.24	1970	55	96	1
78.00	79.15	1.15	G240949	1.98	1865	74	135	1
79.15	80.90	1.75	H136192	0.048	190	41	68	2
80.90	82.90	2.00	H136193	-0.005	101	56	98	-2
82.90	83.82	0.92	G240952	3.24	1080	138	128	2
83.82	84.80	0.98	G240953	0.27	394	88	68	1
84.80	86.30	1.50	H136194	0.019	120	64	69	-2
86.30	87.80	1.50	H136195	0.012	120	55	98	-2
87.80	89.59	1.79	H136196	0.435	99	76	94	-2
89.59	90.30	0.71	G240954	0.73	2180	32	46	1
90.30	91.60	1.30	H136197	0.042	114	25	83	-2
91.60	91.80	0.20	G240955	0.19	211	52	100	1
91.80	93.96	2.16	H136198	0.379	268	59	94	-2
93.96	95.60	1.64	G240956	2.6	859	60	104	1
95.60	97.55	1.95	H136199	-0.005	107	88	112	25
97.55	99.00	1.45	G240957	1.17	4060	30	41	4
99.00	100.10	1.10	G240958	0.025	181	47	94	2
100.10	101.25	1.15	G240959	0.27	210	71	89	2
101.25	102.10	0.85	G240960	1.32	5360	35	59	3
102.10	103.00	0.90	H136201	0.033	449	76	102	-2
103.00	104.08	1.08	G240961	1.29	2250	66	78	3
104.08	105.27	1.19	H136202	0.008	58	59	95	-2
105.27	106.25	0.98	G240962	0.025	210	34	78	3
106.25	107.25	1.00	G240963	1.7	5100	41	47	2

# Drill Log

Project:

Cassiar

Hole Number:

TA09-034

From (m) To (m) Rocktype & Description

**112.75 122.50 T1 Basalt**

112.75 - 122.5: Basalt (T1). Fresh, unaltered.

**122.50 131.60 T2 Basalt - Altered**

122.5 - 131.6: Ankerite altered basalt (T2).

<<Min: 124.3 - 125.4 5% pyrite>>

<<Alt: 122.5 - 131.6 moderate Ankerite>> base of AK alt in this hole.

<<Vein: 123.4 - 123.5 Quartz 47 deg. >> ext vein

<<Vein: 126.3 - 126.42 Quartz 44 deg. >> ext vein, planar

<<Vein: 128.35 - 128.75 Quartz>> likely shear vein, lower margin is deformed

**131.60 137.80 T1 Basalt**

131.6 - 137.8: ), fresh, green.

<<Alt: 131.6 - 132.1 strong Calcite>> Strongly CA altered late fault.

<<Struc: 131.6 - 132.1 moderate fault breccia 20 deg. >> Juxtaposes mAK alt basalt (above) with unaltered (green) basalt below. This combined with sCA alteration confined to fault supports a late (post-mineral) timing.

**137.80 152.25 5B Chert**

137.8 - 152.25: Chert. Light grey, hard, siliceous.

**152.25 153.70 T1 Basalt**

152.25 - 153.7: Basalt (T1). Fresh, unaltered and un mineralized.

**153.70 156.55 SHZ Shear Zone**

153.7 - 156.55: Shear Zone in basalt. Distinctly stronger ductile foln than surround basalt -- Taurus Thrust?

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
107.25	109.00	1.75	H136203	0.006	96	64	89	-2
109.00	111.00	2.00	H136204	0.038	234	60	80	-2
111.00	112.75	1.75	H136205	0.079	425	49	91	-2
112.75	115.10	2.35	H136206	-0.005	30	53	97	-2

115.10	117.50	2.40	H136207	-0.005	16	70	94	-2
117.50	120.00	2.50	H136208	-0.005	15	74	102	-2
120.00	122.50	2.50	H136209	-0.005	34	73	89	-2
122.50	124.30	1.80	H136210	0.036	177	52	60	-2

124.30	125.40	1.10	G240964	1.97	6430	38	62	2
125.40	126.65	1.25	H136211	0.33	1010	52	85	-2
126.65	128.10	1.45	H136212	0.648	220	73	80	-2
128.10	128.30	0.20	G240965	0.6	533	40	46	2
128.30	128.63	0.33	G240966	0.13	139	1	4	1
128.63	128.96	0.33	G240967	0.97	858	25	42	2
128.96	129.23	0.27	H136213	0.017	101	175	95	-2
129.23	130.00	0.77	G240968	1.75	1215	29	31	4
130.00	131.60	1.60	H136214	0.009	102	45	77	-2
131.60	132.52	0.92	H136215	0.109	68	75	102	-2

# Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TA09-034**

From (m)    To (m)                      Rocktype & Description

**156.55   192.02   T1                      Basalt**

156.55 - 192.02: Basalt. Pristine pillows with common HE-SI-MT interstices. Minor PY.

**End of Hole @ 192.02**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
178.31	179.10	0.79	G240971	0.025	7	74	116	4
183.70	185.00	1.30	G240969	0.025	13	141	138	2
185.00	185.95	0.95	G240970	0.025	6	93	115	2

# Drill Log

**Project:** Cassiar **Hole Number:** TA09-041

Prospect: Taurus	Hole Type:	Survey Type: GPS	Logged By:
Grid:	Hole Diameter:	Survey By:	Date Started: 14/06/2012
UTM Easting	Core Size: NQ	Azimuth:	Date Completed: 17/06/2012
UTM Northing:	Casing Pulled?: <input type="checkbox"/>	Dip:	Drill Company:
UTM Elev. (m):	Casing Depth (m):	Length (m): 326.1	Drill Rig:
Local Easting:	Stored?: <input type="checkbox"/>	Claims Title	Drill Started:
Local Northing:	Cemented?: <input type="checkbox"/>	Work Place:	Drill Completed:
Local Elev. (m):			
Comments:			

**Downhole Surveys:**

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
<b>0.00</b>	<b>4.57</b>	<b>OVB Overburden</b>									
<b>4.57</b>	<b>7.05</b>	<b>T2 Basalt - Altered</b>	4.57	6.60	2.03	H136251	-0.005	32	76	106	-2
<<Min: 4.57 - 7.05 0.5% pyrite>>			6.60	7.05	0.45	H136252	-0.005	27	74	124	5
<<Alt: 4.57 - 7.05 moderate Ankerite>>											
<b>7.05</b>	<b>9.16</b>	<b>T1 Basalt</b>	7.05	8.60	1.55	H136253	-0.005	5	108	142	-2
<b>9.16</b>	<b>10.05</b>	<b>T2 Basalt - Altered</b>	8.60	9.16	0.56	G241263	0.025	25	53	116	1
<<Min: 9.16 - 11.88 5% pyrite>>			9.16	9.65	0.49	G241252	0.61	240	64	113	2
<<Alt: 9.16 - 10.05 strong Ankerite>>			9.65	10.21	0.56	G241253	10.9				
<<Struc: 9.35 - 9.35 moderate contact 35 deg. >> alteration boundary contact											
<b>10.05</b>	<b>10.44</b>	<b>T5 Quartz Vein</b>	10.21	10.44	0.23	G241254	0.43	293	14	14	1
<<Min: 10.26 - 21.46 1% arsenopyrite>>											
<<Vein: 10.05 - 10.44 Quartz 16 deg. >>											
<<Struc: 10.25 - 10.26 strong fault breccia 15 deg. >> thn breccia in QV cutting lower contactof T5-T2											
<b>10.44</b>	<b>11.88</b>	<b>T2 Basalt - Altered</b>	10.44	10.74	0.30	G241255	2.34	789	161	64	1
<<Alt: 10.44 - 11.88 strong Ankerite>>			10.74	11.80	1.06	G241256	1.21	1670	85	94	1
<b>11.88</b>	<b>12.40</b>	<b>T1 Basalt</b>	11.80	12.65	0.85	G241257	0.025	43	62	87	1

# Drill Log

Project:

Cassiar

Hole Number:

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From (m) To (m) Rocktype & Description

**12.40 13.99 T2 Basalt - Altered**

<<Min: 12.4 - 13.99 1% pyrite>>

<<Alt: 12.4 - 13.99 strong Ankerite>>

**13.99 25.50 FLT Fault, Fault Zone**

13.99 - 25.5: T2 zone, upper and lower intervals unit defined by breccia text with sub-ang clasts of T2 , T5 and Calcite vn. Fragments in the centre suggests shear fabric. Late structure mod angle TCA.

<<Min: 13.99 - 25.5 2% pyrite>>

<<Alt: 13.99 - 26.23 weak Calcite>> and vein fragments

<<Alt: 13.99 - 26.23 strong Ankerite>>

<<Vein: 16.96 - 17.2 Quartz 30 deg. >>

<<Vein: 18.6 - 18.8 Quartz>>

<<Vein: 20.92 - 20.93 Quartz 35 deg. >>

<<Vein: 21.24 - 21.27 Quartz 40 deg. >>

<<Struc: 16.1 - 16.45 Sheared 55 deg. / strong Sheared 50 deg. >>

<<Struc: 25.4 - 25.4 moderate fault breccia 50 deg. >>

**25.50 26.23 T2 Basalt - Altered**

<<Struc: 26.2 - 26.2 moderate fault 20 deg. >>

**26.23 32.10 T1 Basalt**

<<Struc: 26.45 - 26.45 weak fault 25 deg. >> 1cm offset of QV

**32.10 32.43 FLT Fault, Fault Zone**

32.1 - 32.43: fractured friable T1, strong clay, however minor deformation evident in rock fragments.

**32.43 35.00 T1 Basalt**

<<Struc: 34.15 - 34.35 strong Sheared 25 deg. >> Qtz-carb veining + clasts. Strong fabric

**35.00 38.46 T2 Basalt - Altered**

<<Min: 35 - 38.46 0.5% pyrite>>

<<Min: 37.08 - 37.25 0.5% arsenopyrite>> occurs as fg stingers/frac fill in QV of similar orientation as vein running low angle TCA

<<Alt: 35 - 38.46 strong Ankerite>>

<<Vein: 35.5 - 35.57 Quartz 30 deg. >>

<<Vein: 36.6 - 37.45 Quartz 5 deg. >> approx 5cm true width, vein runs DH

**38.46 45.55 T1 Basalt**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
12.65	13.99	1.34	G241258	0.65	349	66	70	1
13.99	15.34	1.35	G241259	0.86	1040	59	66	1
15.34	16.33	0.99	G241260	0.57	1260	72	84	1
16.33	16.96	0.63	G241261	0.75	1070	62	84	1
16.96	17.20	0.24	G241262	0.17	330	3	2	1
17.20	18.78	1.58	G241264	1.55	4400	70	64	6
18.78	19.31	0.53	G241265	1.18	434	71	137	1
19.31	20.26	0.95	G241266	0.48	2500	62	92	1
20.26	20.93	0.67	G241267	1.14	9520	39	56	1
20.93	21.46	0.53	G241268	2.86	5700	29	52	1
21.46	22.86	1.40	G241269	0.2	242	51	89	1
22.86	24.38	1.52	G241270	0.58	1010	34	72	1
24.38	25.13	0.75	G241271	0.07	807	64	72	1
25.50	26.23	0.73	H136254	0.043	225	43	107	-2
26.23	27.00	0.77	H136255	-0.005	29	83	84	-2
34.00	35.00	1.00	H136256	-0.005	-2	51	140	-2
35.00	36.31	1.31	H136257	-0.005	99	70	94	-2
37.08	37.36	0.28	G241273	2.32	6100	152	83	1
37.36	38.46	1.10	G241274	0.025	79	128	116	8
38.46	38.96	0.50	G241277	0.025	15	67	119	1

# Drill Log

Project:

Cassiar

Hole Number:

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From (m) To (m) Rocktype & Description

<<Struc: 40.85 - 40.9 moderate fault breccia 40 deg. >>

**45.55 56.44 T2 Basalt - Altered**

45.55 - 56.44: minor 2-10cm zone of relict jasperoid pods(Basalt precursor)

<<Min: 45.55 - 55.4 0.1% pyrite>>

<<Min: 55.4 - 56.44 0.5% pyrite>>

<<Min: 55.4 - 56.44 0.1% arsenopyrite>> concentrated near lower contact

<<Alt: 45.55 - 55.4 moderate Ankerite>>

<<Alt: 55.4 - 56.44 strong Ankerite>>

<<Vein: 47.8 - 48.05 Quartz-Ankerite 18 deg. >>

<<Vein: 49.72 - 49.78 Quartz-Ankerite 45 deg. >>

<<Vein: 50.29 - 50.33 Quartz-Tourmaline 35 deg. >>

<<Struc: 45.55 - 45.56 strong contact 5 deg. >> Photo taken. Very sharp contact between T2 and T1. Contact defined by 1cm QCV. NO movement along alteration contact boundary. Original Basalt qtz structure continues thru. Calcite occurs in T1 but not T2 in the prementioned structure.

**56.44 57.30 T5 Quartz Vein**

<<Min: 56.44 - 57.3 1% pyrite>>

<<Vein: 56.44 - 57.3 Quartz 45 deg. >> lower contact of T5 unit

**57.30 58.04 T2 Basalt - Altered**

<<Min: 57.3 - 58.04 0.5% pyrite>>

<<Alt: 57.3 - 58.04 strong Ankerite>>

**58.04 59.77 T5 Quartz Vein**

58.04 - 59.77: broken qt vein + minor clay altered T2 in parts exhibiting slickenslide textures

<<Min: 58.04 - 59.77 0.1% arsenopyrite>>

<<Min: 58.04 - 59.77 2% pyrite>>

<<Alt: 58.04 - 59.77 weak Ankerite>>

**59.77 66.99 T2 Basalt - Altered**

<<Min: 59.77 - 61.3 6% pyrite>> coarse and fine grained

<<Min: 59.77 - 61.3 2% arsenopyrite>> coarse and fine grained

<<Min: 61.3 - 62.65 1% pyrite>>

<<Min: 61.3 - 62.65 0.5% arsenopyrite>>

<<Min: 62.65 - 66.99 0.5% pyrite>>

<<Alt: 59.77 - 66.99 strong Ankerite>>

<<Vein: 61.2 - 61.2 Quartz 35 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
45.00	45.55	0.55	H136258	-0.005	10	112	106	-2
45.55	46.50	0.95	H136259	-0.005	23	76	86	-2

46.50	47.50	1.00	H136261	-0.005	39	48	76	-2
47.50	48.40	0.90	H136262	-0.005	61	58	80	-2
48.40	50.00	1.60	H136263	-0.005	47	29	81	-2
50.00	52.00	2.00	H136264	-0.005	71	48	79	-2
52.00	54.00	2.00	H136265	-0.005	89	86	95	-2
54.00	55.40	1.40	H136266	0.007	79	69	91	2
55.40	55.77	0.37	G241278	0.35	192	47	77	1
55.77	56.44	0.67	G241279	1.04	5020	15	67	3

56.44	57.30	0.86	G241280	1.91				
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57.30	58.04	0.74	G241281	0.5	1660	52	74	2
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58.04	59.13	1.09	G241282	3.08	4360	36	30	1
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59.13	59.77	0.64	G241283	5.94				
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59.77	60.65	0.88	G241284	3.24	9220	55	52	4
60.65	61.71	1.06	G241285	3.54	10000	32	49	2
61.71	62.67	0.96	G241286	1.23	1260	33	73	1
62.67	63.10	0.43	G241287	0.23	246	46	76	1
63.10	65.00	1.90	H136267	0.029	99	67	85	-2
65.00	66.99	1.99	H136268	0.044	27	58	87	-2

# Drill Log

Project:

Cassiar

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From (m) To (m) Rocktype & Description

<<Vein: 64.2 - 64.22 Quartz 10 deg. >>

<<Vein: 65.2 - 65.22 Quartz 35 deg. >>

**66.99 68.45 T1 Basalt**

**68.45 70.68 T2 Basalt - Altered**

68.45 - 70.68: Contains approx 4cm thick low angle TCA ext vein

<<Alt: 68.45 - 77.5 strong Ankerite>>

<<Vein: 69 - 71.1 Quartz 5 deg. >> fantastic extensional textures also exhibiting kinematics (no ori)

**70.68 72.03 FLT Fault, Fault Zone**

70.68 - 72.03: T2, clay altered and moderate fault breccia text

<<Min: 70.68 - 72.03 2% pyrite>>

**72.03 82.60 T2 Basalt - Altered**

<<Min: 72.03 - 77.5 1% pyrite>>

<<Alt: 77.5 - 79.49 moderate Ankerite>> associated with thin (2-8mm veining)

<<Alt: 79.49 - 81.16 strong Ankerite>>

<<Alt: 81.16 - 82.6 moderate Ankerite>>

<<Vein: 79.55 - 79.56 Quartz 18 deg. >>

<<Struc: 72.65 - 72.7 strong fault breccia 35 deg. >>

<<Struc: 76.08 - 76.08 moderate Sheared 40 deg. >>

<<Struc: 80.1 - 80.1 moderate fault breccia 55 deg. >>

<<Struc: 81.45 - 81.45 fault 50 deg. >>

**82.60 85.05 T1 Basalt**

<<Alt: 82.6 - 85.05 weak Ankerite>>

**85.05 85.45 T2 Basalt - Altered**

<<Alt: 85.05 - 85.45 moderate Ankerite>>

**85.45 87.10 T1 Basalt**

<<Vein: 86.8 - 86.8 Quartz 18 deg. >>

**87.10 88.75 T2 Basalt - Altered**

<<Alt: 87.1 - 88.75 moderate Ankerite>>

<<Struc: 88 - 88 fault 60 deg. >>

**88.75 90.85 T1 Basalt**

**90.85 91.50 T2 Basalt - Altered**

<<Alt: 90.85 - 91.8 moderate Ankerite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
66.99	68.45	1.46	H136269	-0.005	4	75	100	-2
68.45	69.00	0.55	G241288	0.1	44	109	67	1
69.00	70.10	1.10	G241289	0.9	66	559	61	1
70.10	70.68	0.58	G241290	0.025	39	40	76	1
70.68	72.03	1.35	G241291	1.05	420	46	84	2
72.03	72.71	0.68	G241292	0.06	93	53	85	1
72.71	73.25	0.54	G241293	0.59	162	37	77	1
73.25	73.57	0.32	G241294	0.025	40	52	74	1
73.57	75.50	1.93	H136271	0.017	32	56	82	-2
75.50	77.50	2.00	H136272	0.009	12	64	87	-2
77.50	79.49	1.99	H136273	0.035	19	64	86	-2
79.49	80.99	1.50	G241295	0.025	50	129	75	1
80.99	82.60	1.61	H136274	0.043	7	110	85	-2
82.60	84.00	1.40	H136276	-0.005	4	44	107	-2
84.00	85.05	1.05	H136277	-0.005	4	21	106	-2
85.05	85.45	0.40	H136278	0.016	6	123	75	-2
85.45	87.10	1.65	H136279	-0.005	6	28	104	-2
87.10	88.75	1.65	H136281	0.014	5	221	84	-2
88.75	90.85	2.10	H136282	-0.005	4	61	106	-2
90.85	91.50	0.65	H136283	-0.005	4	28	86	-2



# Drill Log

Project:

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From (m) To (m) Rocktype & Description

<<Struc: 91 - 91.5 Brecciated >>

**91.50 122.80 T1 Basalt**

91.5 - 122.8: minor 2-10cm zones of jasperoid material. Weak pillow texture.

<<Alt: 120.9 - 121.3 weak Ankerite>>

<<Alt: 122.2 - 122.4 moderate Ankerite>>

<<Vein: 120.9 - 120.9 Quartz 45 deg. >>

<<Struc: 108.4 - 108.4 fault 55 deg. >>

<<Struc: 109.15 - 109.15 fault 60 deg. >>

<<Struc: 119.1 - 119.1 fault 25 deg. >>

**122.80 124.00 T2 Basalt - Altered**

<<Alt: 122.8 - 124 moderate Ankerite>>

**124.00 143.94 T1 Basalt**

124 - 143.94: multiple 20cm to 2m zone of hylacastite/flow top breccia in Basalt units. Possible minor FMG mafic tuff material associated with breccia zones.

**143.94 147.95 T2 Basalt - Altered**

<<Alt: 143.94 - 147.95 moderate Ankerite>>

<<Vein: 145.7 - 145.71 Quartz 10 deg. >>

<<Vein: 146.7 - 147.2 Quartz 8 deg. >>

<<Struc: 143.94 - 143.94 fault 50 deg. >>

<<Struc: 146.7 - 146.7 fault 60 deg. >>

**147.95 173.25 T1 Basalt**

<<Min: 152.54 - 152.66 1% pyrite>>

<<Alt: 153.32 - 158.3 weak Ankerite>>

<<Alt: 169.75 - 173.25 weak Ankerite>>

<<Vein: 155.4 - 155.8 Quartz-Carbonate 5 deg. >>

<<Vein: 156.75 - 156.76 Quartz 25 deg. >>

<<Struc: 153.5 - 153.5 fault 25 deg. >>

<<Struc: 155.4 - 155.4 fault 50 deg. >>

**173.25 180.00 T2 Basalt - Altered**

<<Alt: 173.25 - 180 moderate Ankerite>>

<<Vein: 177.7 - 177.72 Quartz 40 deg. >>

<<Vein: 177.8 - 177.81 Quartz 10 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
91.50	93.00	1.50	H136284	-0.005	4	77	102	-2
96.40	96.66	0.26	G241296	0.025	29	111	81	1
120.80	122.80	2.00	H136285	-0.005	3	45	98	-2
122.80	124.00	1.20	H136286	-0.005	5	72	102	-2
124.00	126.50	2.50	H136287	-0.005	5	75	103	-2
142.00	143.94	1.94	H136288	-0.005	5	57	99	-2
143.94	144.83	0.89	G241297	0.025	39	57	91	1
144.83	145.63	0.80	G241298	0.025	18	54	89	1
145.63	147.13	1.50	G241299	0.025	21	59	88	1
147.13	147.95	0.82	H136289	0.084	106	84	91	-2
147.95	149.00	1.05	H136291	-0.005	14	79	101	-2
152.54	152.66	0.12	G241452	0.13	114	175	31	1
153.32	155.10	1.78	H136292	-0.005	35	71	108	-2
155.10	157.00	1.90	H136293	-0.005	35	79	91	-2
157.00	158.30	1.30	H136294	-0.005	11	54	101	-2
171.00	173.25	2.25	H136295	-0.005	51	75	102	-2
173.25	175.00	1.75	H136296	0.025	147	56	91	-2
175.00	177.00	2.00	H136297	-0.005	119	57	88	-2
177.00	179.00	2.00	H136298	-0.005	120	58	90	-2
179.00	180.00	1.00	H136299	0.233	218	56	65	3

# Drill Log

Project:

Cassiar

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From (m) To (m) Rocktype & Description

<<Struc: 173.32 - 173.32 fault 32 deg. >>

<<Struc: 177.8 - 177.8 fault 25 deg. >>

**180.00 237.05 T1 Basalt**

180 - 237.05: minor pillow textures

<<Alt: 227.5 - 237.05 weak Ankerite>>

**237.05 259.08 T2 Basalt - Altered**

<<Min: 238.55 - 247.4 1% arsenopyrite>>

<<Min: 238.55 - 250.2 7% pyrite>> FG FROM 245.3 TO 247.4

<<Min: 247.4 - 247.75 4% arsenopyrite>>

<<Min: 247.75 - 250.2 0.5% arsenopyrite>>

<<Min: 250.2 - 259.08 0.5% pyrite>>

<<Alt: 237.05 - 238.55 moderate Ankerite>>

<<Alt: 238.55 - 250.2 strong Ankerite>>

<<Alt: 250.2 - 259.08 moderate Ankerite>>

<<Vein: 238.8 - 238.82 Quartz 20 deg. >>

<<Vein: 239.5 - 239.51 Quartz 35 deg. >>

<<Vein: 244.15 - 244.17 Quartz 22 deg. >>

<<Vein: 245.04 - 245.05 Quartz 30 deg. >>

<<Vein: 246.8 - 246.85 Quartz 5 deg. >> POSSIBLE SHR VEIN?

<<Vein: 249 - 249.01 Quartz 35 deg. >>

<<Vein: 249.45 - 249.46 Quartz 50 deg. >>

**259.08 260.40 FLT Fault, Fault Zone**

259.08 - 260.4: T2 and T5, rubble core with clay alt.

<<Min: 259.08 - 260.4 8% pyrite>>

<<Alt: 259.08 - 263.35 strong Ankerite>>

**260.40 272.74 T2 Basalt - Altered**

<<Min: 260.4 - 265.65 8% pyrite>> FINE AND COARSE GRAINED ZONES

<<Min: 260.4 - 265.65 0.5% arsenopyrite>>

<<Min: 265.65 - 269.45 8% pyrite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
180.00	182.00	2.00	H136300	0.007	25	58	94	-2
235.00	237.05	2.05	H136301	-0.005	3	65	101	-2
237.05	238.10	1.05	H136302	-0.005	2	53	109	2
238.10	238.55	0.45	G241453	0.025	13	49	105	1
238.55	239.84	1.29	G241454	1.56	1290	50	50	3
239.84	241.32	1.48	G241455	2.27	3330	69	65	2
241.32	242.73	1.41	G241456	1.72	2340	65	47	1
242.73	244.15	1.42	G241457	1.29	3380	46	47	3
244.15	245.45	1.30	G241458	0.82	2430	36	34	1
245.45	246.76	1.31	G241459	3.91	5910	22	41	2
246.76	247.28	0.52	G241460	1.51	8860	33	20	2
247.28	248.46	1.18	G241461	1.53	8620	15	36	2
248.46	249.53	1.07	G241462	0.61	5120	12	33	2
249.53	250.20	0.67	G241463	2.44	1620	214	62	1
250.20	250.95	0.75	G241464	0.27	398	58	102	1
250.95	252.25	1.30	G241465	0.07	344	89	112	1
252.25	252.85	0.60	G241466	0.85	9750	80	57	3
252.85	253.28	0.43	G241467	0.025	171	55	87	1
253.28	255.00	1.72	H136303	-0.005	70	50	80	-2
255.00	257.00	2.00	H136304	0.018	37	49	92	-2
257.00	258.28	1.28	H136305	0.019	53	66	88	-2
258.28	259.08	0.80	G241468	0.13	225	76	83	1
259.08	260.82	1.74	G241469	1.2	1200	32	37	5
260.82	262.16	1.34	G241470	0.76	2450	25	32	3
262.16	263.48	1.32	G241471	3.5	1160	43	65	1
263.48	264.34	0.86	G241472	0.74	1830	35	48	1
264.34	265.62	1.28	G241473	1.44	1430	16	26	2

# Drill Log

Project:

Cassiar

Hole Number:

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From (m) To (m) Rocktype & Description

<<Min: 265.65 - 269.45 0.1% arsenopyrite>>  
 <<Min: 269.45 - 272.74 10% pyrite>> FINE AND COARSE GRAINED  
 <<Min: 269.45 - 272.74 0.5% arsenopyrite>>  
 <<Alt: 263.35 - 263.9 moderate Ankerite>>  
 <<Alt: 263.9 - 272.74 strong Ankerite>>  
 <<Vein: 261.2 - 261.21 Quartz 55 deg. >>  
 <<Vein: 262.25 - 262.27 Quartz 40 deg. >> BULL QTZ  
**272.74 273.15 T5 Quartz Vein**  
 <<Min: 272.74 - 276.6 0.5% arsenopyrite>>  
 <<Min: 272.74 - 276.6 10% pyrite>> ALSO MEDIUM GRAINED  
 <<Vein: 272.74 - 273.15 Quartz 25 deg. >> POSS SHR VEIN?  
**273.15 276.60 T2 Basalt - Altered**  
 <<Alt: 273.15 - 276.6 strong Ankerite>>  
 <<Vein: 274.61 - 274.8 Quartz 60 deg. >> BANDED PY  
**276.60 277.30 T5 Quartz Vein**  
 <<Vein: 276.6 - 277.3 Quartz 40 deg. >> BULL QTZ CG  
**277.30 298.19 T2 Basalt - Altered**  
 <<Min: 278.03 - 296.2 10% pyrite>> ALSO CONTAINING 5-30CM SECTION WITH FINETO MEDIUM GRAINED MINERALISATION  
 <<Min: 278.03 - 296.2 0.1% arsenopyrite>>  
 <<Alt: 277.3 - 296.2 strong Ankerite>>  
 <<Alt: 296.2 - 298.19 moderate Ankerite>>  
 <<Vein: 277.78 - 278.03 Quartz 40 deg. >>  
 <<Vein: 282.7 - 282.71 Quartz 15 deg. >>  
 <<Vein: 285.5 - 285.51 Quartz 35 deg. >>  
 <<Vein: 290.55 - 290.56 Quartz 5 deg. >>  
 <<Struc: 278.8 - 278.8 Bedded 60 deg. >>  
 <<Struc: 280.1 - 280.1 Bedded 50 deg. >>  
 <<Struc: 285.4 - 285.4 fault 25 deg. >>  
 <<Struc: 290.5 - 290.5 fault 70 deg. >> SOUTH SIDE DOWN?  
 <<Struc: 297.8 - 297.8 moderate Sheared 70 deg. >>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
265.62	267.02	1.40	G241474	1.96	1930	21	24	17
267.02	268.33	1.31	G241477	1.75	1660	17	27	8
268.33	269.44	1.11	G241478	1.8	1420	23	38	1
269.44	269.77	0.33	G241479	0.25	665	38	34	1
269.77	271.27	1.50	G241480	1.15	1250	19	36	3
271.27	272.74	1.47	G241481	1.26	1470	12	27	1
272.74	273.15	0.41	G241482	0.33	339	5	7	1
273.15	274.61	1.46	G241483	1.48	1340	22	39	1
274.61	275.84	1.23	G241484	2.07	900	41	53	2
275.84	276.60	0.76	G241485	0.8	1280	41	59	1
276.60	278.03	1.43	G241486	1.75	970	6	10	1
278.03	279.34	1.31	G241487	1.2	1460	18	29	4
279.34	280.84	1.50	G241488	1.08	1540	36	32	4
280.84	281.94	1.10	G241489	1.84	1780	17	37	5
281.94	283.27	1.33	G241490	1.85	1420	20	27	4
283.27	284.63	1.36	G241491	6.52	2300	22	28	18
284.63	285.98	1.35	G241492	1.5	1280	18	28	7
285.98	286.84	0.86	G241493	2.26	1430	14	23	9
286.84	288.04	1.20	G241305	3.75				
288.04	289.40	1.36	G241494	1.59	1220	20	27	8
289.40	290.83	1.43	G241495	3.11	1750	40	34	10
290.83	292.20	1.37	G241496	2.83	1640	26	27	10
292.20	293.53	1.33	G241497	1.4	1460	11	29	8
293.53	294.43	0.90	G241498	1.47	1310	15	32	9
294.43	294.59	0.16	G241499	1.51	1460	22	29	11
294.59	296.23	1.64	G241502	3.02	1940	137	44	14
296.23	297.18	0.95	G241503	0.31	206	153	53	6
297.18	298.19	1.01	G241504	0.76	624	88	72	8

# Drill Log

Project:

Cassiar

Hole Number:

TA09-041

From (m) To (m) Rocktype & Description

**298.19 307.90 T1 Basalt**

298.19 - 307.9: BROKEN AND WEAKLY SHEARED UPPER AND LOWER CONTACTS

<<Min: 306.45 - 306.65 10% pyrite>>

<<Min: 306.45 - 306.65 1% arsenopyrite>>

<<Alt: 306.45 - 306.65 strong Ankerite>>

<<Vein: 302.1 - 302.1 Quartz 8 deg. >>

<<Vein: 305 - 305.01 Quartz 12 deg. >>

<<Struc: 298.5 - 298.5 weak Sheared 70 deg. >>

<<Struc: 298.7 - 298.7 Fractured 36 deg. >>

<<Struc: 299.7 - 300 moderate Sheared 45 deg. >> sheared chloritic zone in mafic unit. 1cm more intense shear zones separated by 5cm lesser deformed.

<<Struc: 306.65 - 306.65 contact 50 deg. >> ALTERATION BOUNDARY

**307.90 310.67 T2 Basalt - Altered**

307.9 - 310.67: UPPER 2.5M OF THIS UNIT LACKS ABUNDANCE OF EUHEDRAL PY, SLIGHTLY BANDED AND GRANULAR ROCK WITH FINELY DISS SULPHIDES ASSOCIATED WITH 14G/T

<<Min: 307.9 - 310.67 10% pyrite>> ALSO EUHEDRAL

<<Min: 307.9 - 310.67 1% arsenopyrite>>

<<Alt: 307.9 - 310.67 strong Ankerite>>

<<Struc: 308.45 - 308.46 weak Bedded 45 deg. >> BANDING

**310.67 313.10 SHZ Shear Zone**

310.67 - 313.1: GRAPHITIC ARGILLITE + T2 MATERIAL. HIGHLY BROKEN MATERIAL EXHIBITING SLICKENSLIDES ON GRAPHITIC SURFACS AND QCV/BRECCIA FABRIC. POSSIBLE SPLAY OFFFLOWER THRUST WITH ARG LENSE + CARBON ALT

<<Min: 310.67 - 318.1 6% pyrite>>

<<Alt: 310.67 - 313.1 strong Graphite>>

<<Alt: 310.67 - 313.1 strong Ankerite>>

**313.10 318.10 T2 Basalt - Altered**

313.1 - 318.1: SOMEWHAT BROKEN CORE IN UPPER 3M OF UNIT. GRAPHITE LOCALLY GRAPHITE COATS FRAC SURFACES

<<Alt: 313.1 - 315.4 weak Graphite>>

<<Alt: 313.1 - 318.93 strong Ankerite>>

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
298.19	298.65	0.46	G241505	0.025	17	114	131	8

298.65	300.00	1.35	H136306	-0.005	-2	68	123	3
300.00	301.90	1.90	H136307	-0.005	3	57	125	-2
301.90	304.00	2.10	H136308	0.007	22	84	132	-2
304.00	306.00	2.00	H136309	-0.005	22	65	118	2
306.00	307.37	1.37	H136310	0.14	235	82	103	2
307.37	307.90	0.53	G241520	0.16	280	54	101	8

307.90	309.17	1.27	G241506	14.15	2550	48	38	26
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309.17	310.67	1.50	G241507	2.49	1610	17	37	10
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310.67	312.00	1.33	G241508	1.18	1300	60	75	10
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312.00	313.10	1.10	G241509	1.58	1210	23	63	13
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313.10	314.60	1.50	G241510	0.1	816	2	39	7
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314.60	316.06	1.46	G241511	0.28	659	3	36	5
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316.06	317.19	1.13	G241512	0.39	714	3	34	7
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317.19	318.65	1.46	G241307	0.9				
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# Drill Log

Project:

Cassiar

Hole Number:

TA09-041

From (m) To (m) Rocktype & Description

**318.10 318.93 SHZ Shear Zone**

318.1 - 318.93: STRONG DEFORMATION FABRIC (POSS MYLONITIC LOWER 10CM), MINOR BRECCIATION OF T2 UNIT. INTERPRETED TO BE LOWER THRUST. CONTAINS LOW ANGLE EXT VEIN RELATIVELY UNDEFORMED. POSSIBLE LITHIC TUFF AND ARG PROTOLITH WAS CONSIDERED.

<<Min: 318.1 - 318.6 2% pyrite>>

<<Struc: 318.9 - 318.9 strong Sheared 75 deg. >>

**318.93 320.28 7 Listwanite grey-green**

318.93 - 320.28: BRECCIATED AND FOLDED SILICEOUS ZONE. CONTAINS ROUNDED 1-4MM SPHERES.

<<Alt: 318.93 - 320.25 moderate Fuchsite/Mariposite >>

**320.28 326.10 5DD Argillite black**

320.28 - 326.1: 1-3CM BLOCKS OF LISTWANITE INCLUDED IN UPPER 1M. DEFORMATION LIKELY EXPRESSED IN THE ARGILLITE EXPRESSED AS STRONG SHEAR FABRIC AND MINOR BRECCIA

<<Min: 321.5 - 326.1 5% pyrite>>

<<Struc: 322.4 - 322.4 strong Sheared 60 deg. >> OR BEDDING

**End of Hole @ 326.1**

From (m)	To (m)	Width	Sample	Au USE ppm	As ppm	Cu ppm	Zn ppm	Pb ppm
318.65	318.93	0.28	G241513	0.025	263	1	58	4
318.93	320.19	1.26	G241514	0.09	1160	0.5	50	5
320.19	321.03	0.84	G241515	0.025	771	22	69	5
321.03	321.60	0.57	G241516	0.025	808	6	65	7
321.60	322.65	1.05	G241306	0.61				
322.65	323.90	1.25	G241517	0.46	603	33	26	10
323.90	325.04	1.14	G241518	0.4	528	25	25	10
325.04	326.14	1.10	G241519	0.26	575	25	26	7

**China Minerals Mining Corporation**

**2012 TAURUS PROPERTY DRILLING REPORT  
CASSIAR GOLD PROJECT**

Volume V – Assay Certificates (Appendix G)

Liard Mining Division  
NTS 104P/5  
59° 17' N Latitude; 129° 42' W Longitude  
UTM 6570800 mN; 460700 mE; Zone 9

-prepared for-

**CHINA MINERALS MINING CORPORATION**  
Suite 717, 1030 West Georgia Street  
Vancouver, BC, Canada, V6E 2Y3

-prepared by-

Margot McKeown  
Darcy Baker  
Ron Voordouw

**EQUITY EXPLORATION CONSULTANTS LTD.**  
Suite 200, 900 West Hastings Street  
Vancouver, BC, Canada, V6C 1E5

February 27, 2013

**Appendix G: Assay Certificates**



ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 SUITE 200, 900 WEST HASTINGS STREET  
 VANCOUVER BC V6C 1E5

Page: 1  
 Finalized Date: 6-JUL-2012  
 Account: EIACMV

**CERTIFICATE TR12145067**

Project: Cassiar  
 P.O. No.: CMV12-01\_4  
 This report is for 84 Drill Core samples submitted to our lab in Terrace, BC, Canada on 26-JUN-2012.  
 The following have access to data associated with this certificate:

DACRY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
 VANCOUVER BC V6C 1E5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager





ALS Canada Ltd.  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7  
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 SUITE 200, 900 WEST HASTINGS STREET  
 VANCOUVER BC V6C 1E5

Page: 2 - A  
 Total # Pages: 4 (A - C)  
 Finalized Date: 6-JUL-2012  
 Account: EIACMV

Project: Cassiar

**CERTIFICATE OF ANALYSIS TR12145067**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
G276501		1.31	<0.005		<0.2	2.76	29	<10	120	<0.5	<2	8.7	<0.5	31	20	93
G276502		1.18	<0.005		0.2	5.45	26	<10	20	<0.5	2	4.79	<0.5	37	61	67
G276503		2.36	<0.005		<0.2	2.66	107	<10	30	<0.5	<2	4.38	<0.5	43	27	92
G276504		0.87	0.011		0.4	0.84	119	<10	50	<0.5	2	5.52	<0.5	34	27	63
G276505		2.40	<0.005		<0.2	0.56	107	<10	10	<0.5	3	5.39	<0.5	36	19	102
G276506		0.60	<0.005		<0.2	0.10	19	<10	10	<0.5	<2	2.30	<0.5	7	11	2
G276507		3.97	<0.005		0.2	0.51	103	<10	30	<0.5	<2	6.01	<0.5	34	27	74
G276508		4.59	<0.005		0.2	1.91	110	<10	10	<0.5	2	6.16	<0.5	36	34	68
G276509		4.16	0.087		<0.2	0.66	650	<10	20	<0.5	<2	6.65	<0.5	33	11	58
G276510		0.39	<0.005		0.2	0.05	3	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	1
G276511		4.78	<0.005		<0.2	1.46	119	<10	20	<0.5	2	6.50	<0.5	36	32	61
G276512		4.38	0.010		<0.2	1.48	117	<10	20	<0.5	3	5.56	<0.5	36	29	70
G276513		4.22	<0.005		<0.2	2.10	100	<10	10	<0.5	<2	5.95	<0.5	32	41	60
G276514		2.22	0.266		<0.2	0.34	388	<10	50	<0.5	2	5.34	<0.5	37	14	54
G276515		3.07	2.48		0.6	0.39	958	<10	50	<0.5	<2	7.8	<0.5	34	9	30
G276516		3.89	0.057		0.2	2.15	532	<10	20	<0.5	<2	6.8	<0.5	36	40	66
G276517		3.19	0.009		0.3	0.74	156	<10	30	<0.5	<2	6.44	<0.5	35	15	62
G276518		2.36	0.471		0.4	0.71	>10000	<10	40	<0.5	2	7.7	<0.5	32	9	69
G276519		4.71	0.024		0.2	0.63	366	<10	20	<0.5	<2	6.08	<0.5	32	13	64
G276520		0.08	3.38		3.8	1.46	274	<10	390	<0.5	<2	1.25	1.3	8	52	75
G276521		4.58	0.017		0.2	1.48	149	<10	10	<0.5	2	6.7	<0.5	32	43	75
G276522		4.66	<0.005		<0.2	3.57	100	<10	10	<0.5	<2	5.80	<0.5	35	66	75
G276523		3.90	0.017		<0.2	4.00	239	<10	10	<0.5	3	6.9	<0.5	31	63	49
G276524		1.33	<0.005		0.2	4.95	49	<10	10	<0.5	2	6.20	<0.5	39	131	91
G276525		1.78	<0.005		<0.2	4.97	46	<10	10	<0.5	2	6.01	<0.5	36	128	86
G276526		2.89	<0.005		0.2	4.94	41	<10	10	<0.5	<2	6.37	<0.5	35	126	70
G276527		0.66	<0.005		0.2	5.27	43	<10	10	0.5	2	5.70	<0.5	34	81	54
G276528		3.14	<0.005		<0.2	4.11	33	<10	20	<0.5	2	5.25	<0.5	37	44	72
G276529		3.72	<0.005		0.2	4.15	12	<10	20	<0.5	<2	3.55	<0.5	37	54	73
G276530		0.36	<0.005		0.2	0.12	2	<10	10	<0.5	<2	>25.0	<0.5	1	1	2
G276531		2.99	<0.005		<0.2	4.83	16	<10	60	<0.5	2	4.67	<0.5	37	45	64
G276532		0.94	0.006		0.2	2.75	66	<10	10	<0.5	2	7.5	<0.5	32	32	58
G276533		4.22	<0.005		0.2	3.28	10	<10	30	<0.5	<2	2.89	<0.5	33	57	74
G276534		3.97	<0.005		<0.2	3.00	4	<10	40	<0.5	<2	2.35	<0.5	30	71	86
G276535		4.24	<0.005		0.2	3.79	5	<10	30	<0.5	<2	3.54	<0.5	33	68	68
G276536		3.70	<0.005		0.3	2.57	63	<10	10	<0.5	2	6.19	<0.5	31	31	45
G276537		4.39	<0.005		0.2	4.70	61	<10	10	<0.5	2	4.69	<0.5	38	45	70
G276538		4.87	<0.005		<0.2	3.29	54	<10	10	<0.5	<2	5.55	<0.5	32	35	73
G276539		4.66	<0.005		<0.2	2.66	83	<10	10	<0.5	<2	5.71	<0.5	36	46	56
G276540		0.07	9.81	9.75	0.5	1.47	3930	<10	60	<0.5	<2	0.76	<0.5	15	66	64



ALS Canada Ltd.  
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 VANCOUVER BC V6C 1E5

Page: 2 - B  
 Total # Pages: 4 (A - C)  
 Finalized Date: 6-JUL-2012  
 Account: EIACMV

Project: Cassiar

**CERTIFICATE OF ANALYSIS TR12145067**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G276501		8.00	10	<1	<0.01	<10	2.42	1540	<1	0.01	19	860	<2	0.65	<2	31
G276502		11.35	10	<1	0.01	<10	3.60	1300	<1	0.01	41	820	2	0.36	<2	37
G276503		8.77	10	<1	0.01	<10	1.96	1460	<1	0.01	31	1050	<2	0.45	2	37
G276504		7.47	<10	<1	0.06	<10	2.65	1145	<1	0.03	40	690	<2	0.06	<2	31
G276505		7.84	<10	<1	0.05	<10	3.16	1390	<1	0.07	41	650	<2	0.08	<2	31
G276506		2.23	<10	<1	0.01	<10	0.78	521	<1	0.02	7	510	<2	0.01	<2	8
G276507		7.24	<10	<1	0.04	<10	3.43	1345	<1	0.08	47	460	<2	0.17	<2	31
G276508		7.68	<10	<1	0.04	<10	3.19	1285	<1	0.04	41	630	<2	0.10	<2	30
G276509		7.51	<10	<1	0.12	<10	3.18	1365	<1	0.04	38	570	<2	0.24	<2	23
G276510		0.07	<10	<1	<0.01	<10	1.60	33	<1	0.02	1	30	<2	0.08	<2	<1
G276511		7.96	<10	<1	0.04	<10	3.02	1610	<1	0.03	40	660	<2	0.21	<2	29
G276512		7.72	<10	<1	0.04	<10	2.94	1325	<1	0.05	45	650	<2	0.37	<2	32
G276513		7.63	10	<1	0.06	<10	3.41	1345	<1	0.05	43	650	3	0.17	<2	32
G276514		8.06	<10	<1	0.15	<10	3.34	1320	<1	0.02	42	770	<2	1.76	<2	28
G276515		7.18	<10	<1	0.16	<10	3.48	1715	<1	0.02	38	820	2	4.05	<2	30
G276516		7.97	<10	<1	0.06	<10	3.54	1275	<1	0.05	50	410	<2	0.42	<2	31
G276517		6.96	<10	<1	0.11	<10	3.26	1320	<1	0.04	45	440	<2	0.17	<2	23
G276518		7.36	<10	<1	0.13	<10	3.46	1370	<1	0.02	38	380	<2	1.49	6	23
G276519		6.83	<10	<1	0.11	<10	3.32	1270	<1	0.05	43	420	<2	0.25	<2	22
G276520		3.23	<10	4	0.13	<10	0.78	447	12	0.07	37	760	278	0.66	27	4
G276521		6.78	<10	<1	0.05	<10	3.38	1355	<1	0.06	43	570	<2	0.21	<2	28
G276522		8.16	10	<1	0.03	<10	3.80	1395	<1	0.03	43	670	<2	0.16	<2	30
G276523		7.91	10	<1	0.01	<10	3.54	1415	<1	0.02	40	670	<2	0.06	<2	32
G276524		7.74	10	<1	<0.01	<10	3.88	1370	<1	0.02	51	540	<2	0.15	<2	32
G276525		7.69	20	<1	<0.01	<10	3.87	1360	<1	0.02	48	550	<2	0.15	<2	32
G276526		7.84	10	<1	0.01	<10	3.86	1410	<1	0.02	49	560	2	0.11	<2	32
G276527		8.81	20	1	0.01	<10	3.54	1225	<1	0.02	43	720	2	0.02	<2	32
G276528		8.55	10	<1	<0.01	<10	2.40	1165	<1	0.01	34	870	<2	0.39	<2	31
G276529		8.08	10	<1	<0.01	<10	2.85	1390	<1	0.02	33	720	<2	0.23	<2	21
G276530		0.17	<10	<1	<0.01	<10	1.89	41	<1	0.01	2	40	<2	0.06	<2	1
G276531		9.71	20	<1	<0.01	<10	3.20	1680	<1	0.02	33	960	<2	0.29	<2	25
G276532		7.84	10	<1	<0.01	<10	2.86	1805	<1	0.02	28	800	<2	0.25	<2	28
G276533		6.92	10	<1	0.01	<10	2.17	1190	<1	0.05	32	890	2	0.27	2	15
G276534		5.58	10	<1	0.01	<10	2.02	1010	<1	0.04	37	640	<2	0.23	3	10
G276535		7.72	10	<1	<0.01	<10	2.62	1170	<1	0.04	33	810	<2	0.12	<2	22
G276536		8.09	10	<1	0.03	<10	2.83	1330	<1	0.03	28	700	<2	0.19	<2	29
G276537		9.45	20	<1	0.01	<10	3.32	1295	<1	0.03	34	920	<2	0.25	<2	36
G276538		7.99	10	<1	0.03	<10	3.09	1380	<1	0.04	28	720	<2	0.10	<2	30
G276539		8.08	10	<1	0.04	<10	3.31	1250	<1	0.05	31	650	<2	0.16	<2	30
G276540		3.48	10	<1	0.16	10	0.86	383	6	0.07	63	470	7	0.87	33	4



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G276501		103	<20	0.01	<10	<10	254	<10	104
G276502		58	<20	0.02	<10	<10	307	<10	113
G276503		35	<20	0.02	<10	<10	348	<10	113
G276504		50	<20	<0.01	<10	<10	108	<10	107
G276505		55	<20	<0.01	<10	<10	52	<10	95
G276506		22	<20	<0.01	<10	<10	11	<10	8
G276507		57	<20	<0.01	<10	<10	45	<10	89
G276508		56	<20	<0.01	<10	<10	106	<10	86
G276509		85	<20	<0.01	<10	<10	36	<10	79
G276510		6310	30	<0.01	<10	10	1	<10	<2
G276511		63	<20	<0.01	<10	<10	114	<10	101
G276512		53	<20	<0.01	<10	<10	97	<10	109
G276513		49	<20	<0.01	<10	<10	125	<10	111
G276514		157	<20	<0.01	<10	<10	41	<10	133
G276515		376	<20	<0.01	<10	<10	33	<10	57
G276516		87	<20	<0.01	<10	<10	61	<10	95
G276517		96	<20	<0.01	<10	<10	34	<10	79
G276518		178	<20	<0.01	<10	<10	24	<10	71
G276519		91	<20	<0.01	<10	<10	25	<10	73
G276520		35	<20	0.09	<10	<10	57	<10	270
G276521		88	<20	<0.01	<10	<10	77	<10	73
G276522		75	<20	0.02	<10	<10	217	<10	98
G276523		86	<20	0.04	<10	<10	254	<10	97
G276524		71	<20	0.16	<10	<10	282	<10	89
G276525		70	<20	0.16	<10	<10	276	<10	89
G276526		74	<20	0.04	<10	<10	277	<10	93
G276527		72	<20	0.03	<10	<10	307	<10	99
G276528		77	<20	0.01	<10	<10	290	<10	114
G276529		37	<20	0.47	<10	<10	267	<10	99
G276530		5050	30	<0.01	<10	10	6	<10	3
G276531		87	<20	0.31	<10	<10	325	<10	127
G276532		161	<20	<0.01	<10	<10	227	<10	115
G276533		40	<20	0.68	<10	<10	234	<10	96
G276534		36	<20	0.54	<10	<10	166	<10	66
G276535		45	<20	0.63	<10	<10	262	<10	95
G276536		78	<20	0.01	<10	<10	190	<10	95
G276537		61	<20	0.04	<10	<10	325	<10	134
G276538		58	<20	0.02	<10	<10	226	<10	108
G276539		51	<20	0.01	<10	<10	157	<10	105
G276540		38	<20	0.09	<10	<10	48	50	49



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Sample Description	Method	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR															
G276541		4.30	0.011		<0.2	0.86	124	<10	30	<0.5	<2	6.61	<0.5	34	17	46
G276542		4.56	<0.005		<0.2	0.43	94	<10	10	<0.5	<2	5.38	<0.5	33	14	57
G276543		2.36	<0.005		<0.2	0.33	99	<10	20	<0.5	<2	5.76	<0.5	33	10	63
G276544		4.12	<0.005		<0.2	1.01	110	<10	20	<0.5	<2	5.60	<0.5	34	8	59
G276545		4.34	0.602		0.2	0.57	936	<10	40	<0.5	<2	6.03	<0.5	33	7	35
G276546		3.29	0.463		<0.2	0.31	539	<10	50	<0.5	<2	7.5	<0.5	31	6	28
G276547		3.58	0.952		<0.2	0.50	770	<10	60	<0.5	<2	7.5	<0.5	29	8	25
G276548		4.36	<0.005		<0.2	2.91	41	<10	10	<0.5	<2	5.11	<0.5	34	50	59
G276549		4.07	<0.005		<0.2	3.55	12	<10	10	<0.5	2	5.27	<0.5	37	34	62
G276550		0.31	<0.005		<0.2	0.03	2	<10	<10	<0.5	<2	>25.0	<0.5	1	<1	<1
G276551		4.59	<0.005		<0.2	3.50	5	<10	10	<0.5	<2	4.99	<0.5	36	18	65
G276552		1.60	<0.005		<0.2	3.69	9	<10	10	<0.5	<2	4.62	<0.5	40	13	65
G276553		0.96	0.005		<0.2	2.81	38	<10	60	<0.5	<2	4.88	<0.5	36	24	79
G276554		4.11	<0.005		<0.2	1.76	30	<10	40	<0.5	<2	5.32	<0.5	32	27	55
G276555		4.83	<0.005		<0.2	2.65	12	<10	20	<0.5	<2	5.62	<0.5	38	41	74
G276556		4.44	0.010		<0.2	2.58	17	<10	20	<0.5	<2	5.28	<0.5	40	39	64
G276557		1.72	0.011		<0.2	1.22	24	<10	20	<0.5	<2	9.2	<0.5	24	19	86
G276558		3.16	<0.005		<0.2	2.94	15	<10	20	<0.5	<2	5.28	<0.5	37	47	28
G276559		4.54	<0.005		<0.2	3.43	<2	<10	10	<0.5	<2	5.85	<0.5	37	49	69
G276560		0.08	0.268		0.4	0.37	459	<10	1080	<0.5	<2	1.05	<0.5	4	40	44
G276561		4.40	<0.005		<0.2	2.71	3	<10	110	<0.5	<2	1.81	<0.5	32	42	88
G276562		4.51	0.006		<0.2	0.92	3	<10	270	<0.5	<2	0.60	<0.5	7	16	70
G276563		2.22	<0.005		<0.2	3.24	2	<10	590	<0.5	<2	1.57	<0.5	33	46	68
G276564		4.07	0.005		<0.2	1.09	5	<10	830	<0.5	<2	1.50	<0.5	18	18	66
G276565		4.36	<0.005		<0.2	2.86	3	<10	210	<0.5	<2	1.44	<0.5	34	43	88
G276566		5.07	<0.005		<0.2	2.78	3	<10	290	<0.5	<2	1.86	<0.5	34	46	65
G276567		3.71	0.005		<0.2	2.73	3	<10	1800	<0.5	<2	2.23	<0.5	44	26	119
G276568		3.89	<0.005		<0.2	2.97	3	<10	1380	<0.5	<2	1.85	<0.5	39	24	72
G276569		3.10	<0.005		<0.2	3.23	3	<10	290	<0.5	<2	3.21	<0.5	58	36	101
G276570		0.38	0.005		<0.2	0.03	<2	<10	10	<0.5	<2	>25.0	<0.5	2	<1	<1
G276571		5.49	0.008		<0.2	2.80	4	<10	50	<0.5	<2	3.99	<0.5	35	32	62
G276572		1.67	<0.005		<0.2	3.47	5	<10	530	0.6	<2	3.64	<0.5	44	9	142
G276573		4.80	<0.005		<0.2	3.32	6	<10	270	0.7	<2	3.82	<0.5	39	7	100
G276574		2.11	0.005		0.3	2.69	18	<10	30	0.9	<2	5.55	<0.5	45	5	57
G276575		2.24	0.014		<0.2	3.12	18	<10	30	1.0	<2	5.10	<0.5	44	5	52
G276576		1.79	0.020		0.2	2.27	16	<10	40	0.7	<2	5.02	<0.5	69	22	90
G276577		3.67	<0.005		0.2	1.89	8	<10	50	<0.5	<2	4.93	<0.5	29	24	50
G276578		2.46	<0.005		<0.2	1.93	7	<10	60	<0.5	<2	2.45	<0.5	28	27	29
G276579		2.95	0.099		0.3	1.50	111	<10	80	0.5	<2	6.41	<0.5	37	13	41
G276580		0.08	0.683		2.4	0.66	30	<10	70	<0.5	<2	1.89	0.5	7	32	6730



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G276541		7.21	<10	<1	0.09	<10	3.31	1580	<1	0.05	37	540	<2	0.10	<2	25
G276542		7.12	<10	<1	0.10	<10	3.19	1290	<1	0.05	36	550	<2	0.09	<2	23
G276543		7.40	<10	<1	0.11	<10	3.17	1260	<1	0.05	34	590	<2	0.07	<2	23
G276544		7.41	<10	<1	0.11	<10	2.98	1220	<1	0.03	34	600	<2	0.17	<2	23
G276545		7.49	<10	<1	0.17	<10	3.20	1390	<1	0.02	34	420	<2	2.26	<2	21
G276546		6.81	<10	<1	0.19	<10	3.51	1640	<1	0.03	30	480	<2	2.76	<2	23
G276547		6.53	<10	<1	0.20	<10	3.17	1510	<1	0.02	26	480	<2	3.60	<2	23
G276548		7.83	10	<1	0.06	<10	3.53	1300	<1	0.03	35	630	<2	0.09	<2	31
G276549		8.58	10	<1	0.03	<10	3.13	1420	<1	0.03	30	680	<2	0.01	<2	34
G276550		0.06	<10	<1	<0.01	<10	1.76	28	<1	0.02	<1	40	<2	0.14	<2	<1
G276551		8.73	20	<1	0.02	<10	2.93	1440	<1	0.03	25	640	<2	0.04	<2	32
G276552		9.57	20	<1	0.04	<10	3.36	1570	<1	0.03	24	790	<2	0.09	<2	32
G276553		8.35	10	<1	0.15	<10	2.80	1400	<1	0.03	27	640	<2	0.07	<2	24
G276554		7.89	10	<1	0.14	<10	2.66	1390	<1	0.03	23	740	<2	0.01	<2	25
G276555		8.41	10	<1	0.06	<10	3.12	1330	<1	0.04	29	630	<2	0.01	<2	32
G276556		9.24	10	<1	0.08	<10	2.88	1180	<1	0.05	32	720	<2	0.01	<2	31
G276557		6.98	10	<1	0.05	<10	2.80	2270	<1	0.04	16	1440	<2	0.01	<2	36
G276558		8.67	10	<1	0.05	<10	2.90	1280	<1	0.05	30	760	<2	<0.01	<2	33
G276559		8.43	20	<1	<0.01	<10	2.99	1380	<1	0.04	29	700	<2	0.01	<2	35
G276560		3.92	<10	3	0.09	10	0.03	83	14	0.03	16	130	17	0.22	26	1
G276561		7.14	10	<1	0.09	<10	2.52	1140	<1	0.04	26	650	<2	0.01	<2	5
G276562		1.85	<10	<1	0.10	10	0.78	387	<1	0.02	22	140	2	0.12	<2	2
G276563		7.14	10	<1	0.08	<10	3.01	1480	<1	0.04	31	670	<2	0.02	<2	8
G276564		2.26	<10	<1	0.07	<10	1.00	1880	<1	0.03	19	140	<2	0.05	<2	4
G276565		7.31	10	<1	0.11	<10	3.02	2330	<1	0.04	30	640	<2	<0.01	<2	9
G276566		8.48	10	<1	0.09	<10	3.10	2210	<1	0.05	30	680	<2	0.01	<2	10
G276567		5.27	10	<1	0.17	10	2.57	2610	<1	0.03	72	600	3	0.05	<2	8
G276568		5.46	10	<1	0.18	10	3.07	2820	<1	0.03	51	610	2	0.04	<2	8
G276569		7.32	10	<1	0.14	<10	3.42	2890	<1	0.04	52	750	<2	0.01	<2	12
G276570		0.05	<10	<1	<0.01	<10	1.72	42	<1	0.02	<1	30	<2	0.11	<2	<1
G276571		6.97	10	<1	0.14	<10	3.29	2030	<1	0.04	29	700	<2	0.02	<2	16
G276572		11.35	20	<1	0.15	<10	3.29	2180	<1	0.07	28	950	<2	0.01	<2	21
G276573		10.95	10	<1	0.14	<10	3.06	1910	<1	0.06	25	1200	<2	0.01	<2	22
G276574		9.92	10	<1	0.17	<10	2.04	2030	<1	0.01	23	1080	3	0.44	<2	24
G276575		11.45	10	1	0.17	<10	2.19	1985	<1	0.01	22	1200	4	0.27	<2	24
G276576		7.84	10	1	0.16	<10	1.72	1820	<1	0.01	53	860	<2	1.06	3	35
G276577		7.26	10	1	0.10	<10	1.76	1385	<1	0.04	21	860	<2	0.02	<2	9
G276578		7.56	10	<1	0.06	<10	1.87	1220	<1	0.05	18	930	<2	0.01	<2	11
G276579		8.34	<10	1	0.21	<10	2.55	1915	<1	0.03	26	980	3	1.41	3	29
G276580		6.61	<10	2	0.28	<10	0.85	907	6	0.05	12	620	21	2.73	24	3



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Sr	Th	Ti	Ti	U	V	W	
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G276541		92	<20	<0.01	<10	<10	48	<10	73
G276542		68	<20	<0.01	<10	<10	30	<10	85
G276543		91	<20	<0.01	<10	<10	29	<10	87
G276544		111	<20	<0.01	<10	<10	25	<10	85
G276545		223	<20	<0.01	<10	<10	21	<10	63
G276546		281	<20	<0.01	<10	<10	21	<10	46
G276547		246	<20	<0.01	<10	<10	23	<10	43
G276548		70	<20	0.01	<10	<10	169	<10	95
G276549		70	<20	0.03	<10	<10	251	<10	109
G276550		5590	20	<0.01	<10	<10	1	<10	<2
G276551		74	<20	0.02	<10	<10	252	<10	109
G276552		112	<20	0.01	<10	<10	268	<10	119
G276553		96	<20	<0.01	<10	<10	135	<10	97
G276554		101	<20	<0.01	<10	<10	95	<10	104
G276555		85	<20	0.01	<10	<10	179	<10	109
G276556		79	<20	0.01	<10	<10	187	<10	126
G276557		194	<20	0.01	<10	<10	88	<10	64
G276558		103	<20	0.02	<10	<10	253	<10	116
G276559		160	<20	0.05	<10	<10	317	<10	110
G276560		74	<20	0.01	10	<10	28	10	38
G276561		35	<20	0.70	<10	<10	213	<10	82
G276562		11	<20	0.07	<10	<10	29	<10	48
G276563		42	<20	0.64	<10	<10	202	<10	96
G276564		43	<20	0.02	<10	<10	56	<10	38
G276565		39	<20	0.62	<10	<10	181	<10	96
G276566		28	<20	0.58	<10	<10	205	<10	96
G276567		80	<20	0.34	<10	<10	109	<10	114
G276568		43	<20	0.38	<10	<10	129	<10	102
G276569		42	<20	0.66	<10	<10	209	<10	110
G276570		5580	20	<0.01	<10	<10	2	<10	<2
G276571		75	<20	0.48	<10	<10	193	<10	94
G276572		56	<20	0.74	<10	<10	295	<10	162
G276573		53	<20	0.74	<10	<10	281	<10	145
G276574		109	<20	0.02	<10	<10	232	<10	167
G276575		102	<20	0.01	<10	<10	262	<10	178
G276576		71	<20	0.08	<10	<10	257	<10	145
G276577		33	<20	0.73	<10	<10	214	<10	84
G276578		22	<20	0.67	<10	<10	230	<10	88
G276579		133	<20	0.03	<10	<10	140	<10	98
G276580		63	<20	0.04	<10	<10	41	<10	101



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Project: Cassiar

**CERTIFICATE OF ANALYSIS TR12145067**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G276581		2.32	0.238		0.5	0.69	296	<10	90	<0.5	<2	5.85	<0.5	35	5	61
G276582		2.66	0.112		0.2	0.85	134	<10	110	<0.5	<2	7.2	<0.5	32	7	66
G276583		5.02	0.008		0.3	2.39	12	<10	70	0.5	<2	4.10	<0.5	33	25	48
G276584		5.03	<0.005		0.2	2.71	9	<10	80	0.5	<2	3.54	<0.5	37	27	90



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Project: Cassiar

**CERTIFICATE OF ANALYSIS TR12145067**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G276581		8.96	<10	<1	0.24	<10	2.12	1620	<1	0.01	22	770	6	4.20	2	24
G276582		8.49	<10	<1	0.25	<10	2.41	1945	<1	0.02	20	700	3	2.13	<2	25
G276583		8.82	10	1	0.10	<10	2.69	1540	<1	0.04	22	890	3	0.12	<2	25
G276584		9.00	10	<1	0.09	<10	2.80	1515	<1	0.04	27	860	2	0.02	<2	19





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Project: Cassiar

**CERTIFICATE OF ANALYSIS TR12145067**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G276581		134	<20	<0.01	<10	<10	61	<10	97
G276582		143	<20	<0.01	<10	<10	76	<10	98
G276583		60	<20	0.42	<10	<10	255	<10	117
G276584		48	<20	0.63	<10	<10	266	<10	124



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**CERTIFICATE TR12152471**

Project: CMV12-01  
 P.O. No.: CMV12-01\_5  
 This report is for 154 Drill Core samples submitted to our lab in Terrace, BC, Canada on 4-JUL-2012.  
 The following have access to data associated with this certificate:

DACRY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12152471**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
G276612		3.70	<0.005		<0.2	1.92	13	<10	1820	3.3	<2	4.17	<0.5	22	314	39
G276613		4.41	<0.005		<0.2	2.00	12	<10	1190	3.4	<2	4.56	<0.5	25	264	41
G276614		4.31	<0.005		<0.2	2.91	42	<10	30	0.7	3	5.51	<0.5	34	39	55
G276615		5.38	<0.005		<0.2	2.64	11	<10	10	<0.5	3	5.40	<0.5	32	39	55
G276616		4.59	0.249		<0.2	1.61	928	<10	30	<0.5	2	6.19	<0.5	36	26	40
G276617		0.96	1.220		0.3	0.33	3680	<10	40	<0.5	<2	1.31	<0.5	18	14	19
G276618		3.82	0.008		<0.2	2.11	21	<10	40	0.5	<2	5.37	<0.5	36	22	73
G276619		4.92	0.020		<0.2	0.72	66	<10	10	<0.5	2	5.39	<0.5	34	10	55
G276620		0.09	0.664		2.2	0.67	27	<10	100	<0.5	3	1.81	0.7	7	30	7180
G276621		2.67	0.583		0.4	0.63	369	<10	30	0.5	<2	6.16	<0.5	34	11	61
G276622		4.22	0.548		0.2	0.56	480	<10	50	<0.5	<2	5.42	<0.5	38	8	74
G276623		0.58	1.265		0.2	0.08	2120	<10	20	<0.5	<2	1.23	<0.5	22	6	2
G276624		2.30	0.780		0.5	1.29	420	<10	40	<0.5	<2	5.40	<0.5	32	13	54
G276625		2.03	0.785		0.6	1.27	563	<10	30	<0.5	<2	5.57	<0.5	31	12	46
G276626		2.21	0.096		<0.2	0.91	178	<10	20	0.5	<2	8.1	<0.5	28	14	52
G276627		3.93	<0.005		<0.2	0.80	88	<10	10	<0.5	<2	6.12	<0.5	36	23	72
G276628		4.69	0.019		<0.2	0.51	115	<10	10	<0.5	<2	5.58	<0.5	32	20	61
G276629		4.58	<0.005		<0.2	0.71	125	<10	10	<0.5	<2	5.98	<0.5	33	19	74
G276630		0.37	<0.005		<0.2	0.08	4	<10	<10	<0.5	<2	>25.0	<0.5	1	1	3
G276631		2.42	0.009		<0.2	0.77	152	<10	10	<0.5	<2	5.45	<0.5	36	13	69
G276632		2.50	0.193		<0.2	0.69	1535	<10	30	<0.5	<2	7.1	<0.5	27	9	38
G276633		4.77	0.230		<0.2	0.47	1230	<10	30	<0.5	<2	6.8	<0.5	29	9	54
G276634		3.63	2.80		0.3	0.71	168	<10	40	<0.5	<2	5.77	0.8	34	13	71
G276635		2.97	0.166		0.3	1.04	548	<10	40	<0.5	<2	6.25	<0.5	33	11	78
G276636		1.64	3.84		0.2	1.27	>10000	<10	40	<0.5	<2	6.28	<0.5	38	11	27
G276637		3.46	0.071		<0.2	1.23	167	<10	30	0.5	<2	6.91	<0.5	33	10	63
G276638		4.90	0.771		0.3	0.53	358	<10	50	<0.5	<2	6.12	<0.5	33	12	54
G276639		4.66	1.045		<0.2	0.37	693	<10	60	<0.5	<2	8.0	<0.5	34	11	15
G276640		0.09	0.280		0.4	0.38	470	<10	1040	<0.5	<2	1.05	<0.5	3	42	41
G276641		5.21	<0.005		<0.2	1.70	29	<10	20	<0.5	<2	5.97	<0.5	35	27	73
G276642		3.31	<0.005		<0.2	0.57	93	<10	20	<0.5	<2	5.75	<0.5	38	17	71
G276643		2.05	0.900		0.4	0.36	827	<10	50	<0.5	<2	7.7	<0.5	33	7	16
G276644		3.43	0.041		0.2	0.67	297	<10	40	<0.5	<2	6.26	<0.5	33	11	53
G276645		3.01	0.858		0.2	0.68	2710	<10	60	<0.5	<2	7.1	<0.5	32	8	56
G276646		3.40	0.924		0.3	0.35	954	<10	60	<0.5	<2	6.16	<0.5	31	8	30
G276647		1.54	0.054		<0.2	0.92	281	<10	40	<0.5	<2	6.50	<0.5	33	7	71
G276648		1.51	2.10		0.2	0.92	>10000	<10	50	<0.5	<2	7.8	<0.5	34	8	40
G276649		1.04	0.019		0.2	1.12	229	<10	20	<0.5	<2	5.98	<0.5	36	13	43
G276650		0.36	0.007		<0.2	0.06	155	<10	10	<0.5	<2	>25.0	<0.5	1	3	<1
G276651		4.01	1.370		0.4	0.84	>10000	<10	50	<0.5	<2	7.9	<0.5	30	11	37



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Sample Description	Method Analyte Units LOR	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G276612		3.64	10	1	1.10	110	3.72	730	1	0.04	96	4400	12	0.06	<2	12
G276613		3.97	10	1	0.74	110	3.05	802	1	0.03	119	4260	26	0.13	<2	13
G276614		8.82	10	1	0.03	<10	3.05	1330	<1	0.05	38	740	5	0.14	2	30
G276615		8.48	10	<1	0.02	<10	3.11	1500	<1	0.06	36	830	<2	0.09	2	32
G276616		8.03	10	1	0.12	<10	3.09	1505	<1	0.03	34	630	4	0.97	2	29
G276617		9.70	<10	<1	0.17	<10	0.51	348	<1	0.02	23	100	7	>10.0	2	6
G276618		8.04	<10	<1	0.06	<10	2.94	1350	<1	0.05	41	660	3	0.23	<2	31
G276619		7.89	<10	<1	0.08	<10	2.78	1435	<1	0.09	34	700	<2	0.20	<2	28
G276620		6.31	<10	2	0.28	<10	0.84	900	7	0.06	15	600	22	2.86	29	3
G276621		6.89	<10	<1	0.14	<10	3.17	1370	<1	0.04	<10	37	350	2.11	3	27
G276622		8.79	<10	<1	0.18	<10	2.99	1450	<1	0.05	37	630	<2	1.71	3	25
G276623		6.05	<10	<1	0.05	<10	0.46	323	<1	0.02	37	120	<2	6.70	<2	4
G276624		7.59	<10	<1	0.14	<10	2.72	1345	<1	0.03	31	640	<2	1.51	2	22
G276625		7.79	<10	<1	0.14	<10	2.79	1390	<1	0.03	33	630	<2	2.48	4	22
G276626		6.88	<10	<1	0.08	<10	2.50	1320	<1	0.07	27	480	<2	0.11	<2	25
G276627		7.15	<10	<1	0.05	<10	3.19	1335	<1	0.10	43	500	<2	0.15	2	30
G276628		7.15	<10	<1	0.04	<10	3.22	1215	<1	0.12	43	440	<2	0.13	<2	28
G276629		7.18	<10	1	0.03	<10	3.19	1255	<1	0.10	42	560	<2	0.20	<2	30
G276630		0.16	<10	<1	<0.01	<10	1.71	45	<1	0.03	3	40	<2	0.29	<2	1
G276631		7.77	<10	<1	0.04	<10	3.01	1100	<1	0.10	42	620	<2	0.25	<2	28
G276632		6.43	<10	<1	0.12	<10	2.93	1270	<1	0.06	34	570	<2	0.49	2	20
G276633		7.04	<10	<1	0.13	<10	3.12	1300	<1	0.06	35	540	<2	0.45	5	23
G276634		7.48	<10	<1	0.15	<10	3.22	1325	<1	0.05	41	590	<2	0.48	2	27
G276635		7.12	<10	<1	0.10	<10	2.97	1245	<1	0.05	39	600	<2	0.31	20	26
G276636		9.50	<10	<1	0.13	<10	2.88	1220	<1	0.04	51	480	<2	4.44	11	26
G276637		7.42	<10	<1	0.09	<10	3.16	1285	<1	0.05	39	610	<2	0.26	11	26
G276638		7.44	<10	<1	0.17	<10	3.35	1405	<1	0.06	41	560	<2	1.12	11	29
G276639		7.14	<10	<1	0.19	<10	3.54	1625	<1	0.04	36	660	<2	3.06	2	33
G276640		3.83	<10	4	0.09	<10	0.03	77	14	0.04	17	140	13	0.24	30	1
G276641		7.90	<10	<1	0.08	<10	3.35	1345	<1	0.08	39	640	<2	0.18	<2	31
G276642		7.66	<10	1	0.15	<10	3.29	1265	<1	0.06	39	630	<2	0.17	<2	30
G276643		6.90	<10	<1	0.17	<10	3.37	1755	<1	0.04	38	480	<2	4.07	<2	31
G276644		7.16	<10	1	0.14	<10	3.23	1285	<1	0.05	38	610	<2	0.23	7	24
G276645		7.13	<10	<1	0.16	<10	3.27	1400	<1	0.04	38	470	<2	2.02	5	24
G276646		6.48	<10	<1	0.17	<10	2.97	1240	<1	0.04	36	370	<2	2.44	5	23
G276647		7.34	<10	<1	0.14	<10	3.20	1210	<1	0.04	40	600	<2	0.35	22	23
G276648		7.92	<10	<1	0.15	<10	3.34	1360	<1	0.03	42	360	<2	2.63	23	23
G276649		7.07	<10	<1	0.07	<10	3.14	1075	<1	0.03	43	520	<2	0.32	16	25
G276650		0.11	<10	<1	0.01	<10	1.67	33	<1	0.03	3	30	<2	0.18	<2	<1
G276651		7.08	<10	<1	0.17	<10	3.27	1335	<1	0.03	36	440	<2	1.91	14	23



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**CERTIFICATE OF ANALYSIS TR12152471**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G276612		829	80	0.37	<10	<10	118	<10	44
G276613		697	60	0.23	<10	<10	111	<10	55
G276614		95	<20	0.01	<10	<10	214	<10	111
G276615		74	<20	0.01	<10	<10	221	<10	97
G276616		171	<20	<0.01	<10	<10	130	<10	82
G276617		60	<20	<0.01	<10	<10	20	<10	10
G276618		73	<20	<0.01	<10	<10	97	<10	107
G276619		70	<20	<0.01	<10	<10	44	<10	93
G276620		64	<20	0.04	<10	<10	40	<10	102
G276621		202	<20	<0.01	<10	<10	22	<10	66
G276622		153	<20	<0.01	<10	<10	38	<10	91
G276623		59	<20	<0.01	<10	<10	5	<10	5
G276624		140	<20	<0.01	<10	<10	61	<10	80
G276625		166	<20	<0.01	<10	<10	58	<10	76
G276626		79	<20	<0.01	<10	<10	40	<10	77
G276627		64	<20	<0.01	<10	<10	45	<10	83
G276628		65	<20	<0.01	<10	<10	37	<10	92
G276629		58	<20	<0.01	<10	<10	38	<10	85
G276630		5720	20	<0.01	<10	10	2	<10	3
G276631		67	<20	<0.01	<10	<10	40	<10	106
G276632		116	<20	<0.01	<10	<10	31	<10	63
G276633		107	<20	<0.01	<10	<10	28	<10	65
G276634		113	<20	<0.01	<10	<10	36	<10	219
G276635		127	<20	<0.01	<10	<10	28	<10	80
G276636		175	<20	<0.01	<10	<10	27	<10	53
G276637		110	<20	<0.01	<10	<10	32	<10	80
G276638		139	<20	<0.01	<10	<10	41	<10	67
G276639		288	<20	<0.01	<10	<10	29	<10	42
G276640		76	<20	0.01	10	<10	29	10	23
G276641		58	<20	<0.01	<10	<10	81	<10	92
G276642		73	<20	<0.01	<10	<10	41	<10	97
G276643		280	<20	<0.01	<10	<10	28	<10	42
G276644		125	<20	<0.01	<10	<10	30	<10	71
G276645		233	<20	<0.01	<10	<10	25	<10	53
G276646		229	<20	<0.01	<10	<10	24	<10	46
G276647		163	<20	<0.01	<10	<10	21	<10	76
G276648		265	<20	<0.01	<10	<10	20	<10	73
G276649		142	<20	<0.01	<10	<10	20	<10	81
G276650		5940	30	<0.01	<10	10	1	<10	<2
G276651		254	<20	<0.01	<10	<10	23	<10	51



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**CERTIFICATE OF ANALYSIS TR12152471**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
G276652		1.50	0.082		0.3	0.41	194	<10	40	<0.5	<2	5.50	<0.5	34	11	61
G276653		2.39	1.565		0.6	0.49	>10000	<10	50	<0.5	<2	8.1	<0.5	31	9	21
G276654		3.77	1.805		<0.2	0.87	126	<10	40	<0.5	<2	5.34	<0.5	36	11	66
G276655		2.13	0.509		0.5	0.36	935	<10	60	<0.5	<2	7.8	<0.5	31	8	27
G276656		4.13	0.523		0.3	0.87	603	<10	30	<0.5	<2	5.41	<0.5	33	13	57
G276657		4.38	0.119		<0.2	0.75	154	<10	60	<0.5	<2	5.57	<0.5	32	13	48
G276658		2.48	3.61		1.4	0.34	1950	<10	50	<0.5	<2	8.1	<0.5	28	6	58
G276659		2.13	2.58		0.3	0.33	1105	<10	50	<0.5	<2	7.06	<0.5	33	6	41
G276660		0.07	10.0	9.87	0.6	1.53	3950	<10	60	0.5	<2	0.85	<0.5	14	68	65
G276661		2.51	0.014		<0.2	1.42	98	<10	40	<0.5	<2	5.51	<0.5	33	14	49
G276662		2.30	0.012		<0.2	2.15	92	<10	20	<0.5	<2	7.0	<0.5	34	34	60
G276663		4.31	<0.005		<0.2	4.75	66	<10	30	<0.5	<2	6.47	<0.5	37	70	65
G276664		4.38	<0.005		<0.2	4.88	48	<10	<10	<0.5	<2	6.38	<0.5	36	86	74
G276665		4.56	<0.005		0.2	4.61	13	<10	40	<0.5	<2	6.13	<0.5	36	44	56
G276666		2.32	<0.005		<0.2	4.13	8	<10	20	<0.5	<2	7.5	<0.5	34	39	28
G276667		2.40	<0.005		<0.2	4.72	13	<10	<10	<0.5	<2	5.44	<0.5	38	46	59
G276668		4.45	0.039		<0.2	3.25	74	<10	20	<0.5	<2	6.24	<0.5	33	32	48
G276669		3.70	0.103		<0.2	0.42	128	10	30	<0.5	<2	7.8	<0.5	29	10	35
G276670		0.41	<0.005		<0.2	0.07	3	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	<1
G276671		4.40	0.013		0.2	0.39	74	<10	20	<0.5	<2	5.68	<0.5	31	14	53
G276672		4.89	0.006		<0.2	1.24	67	<10	30	<0.5	<2	5.64	<0.5	33	17	65
G276673		4.06	0.021		0.2	0.72	179	<10	30	<0.5	<2	6.04	<0.5	33	11	54
G276674		1.01	0.470		<0.2	0.43	2200	<10	30	<0.5	<2	6.86	<0.5	34	6	54
G276675		0.97	0.299		<0.2	0.52	855	<10	40	<0.5	<2	6.47	<0.5	31	6	51
G276676		1.92	0.474		0.3	0.37	6360	<10	30	<0.5	<2	5.58	<0.5	30	12	52
G276677		2.31	0.373		0.3	0.48	1085	<10	30	<0.5	<2	5.32	<0.5	33	7	53
G276678		2.55	0.816		<0.2	0.53	6040	<10	50	<0.5	<2	8.3	<0.5	32	7	50
G276679		3.63	<0.005		<0.2	0.42	92	<10	10	<0.5	<2	5.42	<0.5	33	8	55
G276680		0.08	0.762		2.4	0.70	29	<10	80	<0.5	<2	1.94	<0.5	8	32	7040
G276681		4.40	0.039		<0.2	0.40	411	<10	10	<0.5	<2	5.99	<0.5	31	8	57
G276682		3.62	<0.005		<0.2	0.57	93	<10	10	<0.5	<2	5.34	<0.5	33	9	51
G276683		4.36	0.121		0.3	0.55	93	<10	20	<0.5	<2	4.59	<0.5	33	10	53
G276684		2.51	<0.005		<0.2	0.37	100	<10	10	<0.5	<2	5.10	<0.5	32	9	64
G276685		2.49	0.223		0.4	0.36	2270	<10	20	<0.5	<2	6.26	<0.5	33	7	50
G276686		2.68	0.006		<0.2	0.45	161	<10	10	<0.5	<2	5.62	<0.5	34	8	42
G276687		3.03	<0.005		<0.2	3.25	74	<10	10	<0.5	<2	5.56	<0.5	37	32	58
G276688		2.22	0.058		<0.2	3.58	89	<10	10	<0.5	<2	6.41	<0.5	35	32	84
G276689		4.34	<0.005		0.3	4.48	13	<10	10	<0.5	<2	5.36	<0.5	35	48	55
G276690		0.38	<0.005		0.2	0.06	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	5
G276691		4.74	<0.005		<0.2	4.45	11	<10	<10	<0.5	<2	5.57	<0.5	39	72	67



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G276652		7.86	<10	<1	0.17	<10	3.45	1380	<1	0.04	37	650	<2	0.40	13	22
G276653		8.19	<10	<1	0.19	<10	3.36	1425	<1	0.03	37	350	<2	3.93	12	23
G276654		7.67	<10	<1	0.15	<10	3.35	1380	<1	0.03	41	700	<2	0.25	6	25
G276655		7.08	<10	<1	0.20	<10	3.46	1545	<1	0.02	36	380	2	3.42	5	28
G276656		7.60	<10	<1	0.13	<10	3.12	1350	<1	0.06	38	630	<2	1.13	<2	26
G276657		7.70	<10	<1	0.15	<10	3.23	1375	<1	0.04	37	600	<2	0.41	2	26
G276658		6.83	<10	<1	0.16	<10	2.93	1395	<1	0.02	34	140	2	4.61	4	21
G276659		7.52	<10	<1	0.18	<10	3.44	1530	<1	0.02	38	280	<2	4.25	2	26
G276660		3.60	10	<1	0.17	10	0.90	384	6	0.06	65	480	6	0.91	35	5
G276661		7.33	<10	<1	0.12	<10	3.06	1240	<1	0.02	35	640	<2	0.15	<2	26
G276662		6.71	10	<1	0.08	<10	3.28	1495	<1	0.02	39	630	<2	0.16	<2	27
G276663		8.01	20	<1	<0.01	<10	3.59	1285	<1	0.02	43	670	<2	0.13	<2	33
G276664		8.18	20	<1	0.01	<10	3.88	1365	<1	0.02	48	540	<2	0.07	<2	33
G276665		8.86	20	1	0.01	<10	3.14	1355	1	0.02	37	820	2	0.22	<2	35
G276666		8.50	20	<1	<0.01	<10	3.36	1430	1	0.02	33	1400	<2	0.26	<2	33
G276667		9.26	20	1	<0.01	<10	3.47	1360	<1	0.02	38	870	2	0.28	<2	36
G276668		8.42	10	1	0.03	<10	3.11	1505	1	0.02	31	730	<2	0.35	3	31
G276669		7.31	<10	<1	0.11	<10	2.97	1390	<1	0.05	33	550	<2	0.36	2	24
G276670		0.11	<10	<1	<0.01	<10	1.94	43	<1	0.01	3	40	<2	0.13	<2	1
G276671		7.65	<10	<1	0.07	<10	3.03	1335	<1	0.07	35	590	<2	0.22	<2	26
G276672		8.09	<10	<1	0.09	<10	2.97	1395	<1	0.06	32	740	<2	0.26	2	30
G276673		7.84	<10	<1	0.11	<10	2.83	1470	<1	0.04	32	730	<2	0.20	2	26
G276674		7.77	<10	<1	0.10	<10	2.78	1430	<1	0.02	34	760	<2	0.75	<2	24
G276675		7.57	<10	<1	0.12	<10	2.74	1375	<1	0.03	31	750	<2	0.60	<2	23
G276676		7.19	<10	<1	0.09	<10	2.68	1250	<1	0.03	31	630	<2	1.00	8	21
G276677		8.09	<10	<1	0.12	<10	3.03	1395	<1	0.03	34	790	<2	0.36	16	21
G276678		7.79	<10	<1	0.17	<10	2.87	1400	<1	0.03	32	950	2	1.12	3	22
G276679		8.00	<10	<1	0.04	<10	3.00	1380	<1	0.09	32	760	<2	0.21	<2	28
G276680		6.67	<10	2	0.29	<10	0.90	913	8	0.05	18	630	21	2.79	26	4
G276681		7.93	<10	<1	0.05	<10	2.97	1405	<1	0.09	33	780	<2	0.23	4	26
G276682		8.35	<10	<1	0.04	<10	3.12	1420	<1	0.09	32	760	<2	0.21	<2	29
G276683		7.64	<10	<1	0.07	<10	2.82	1365	<1	0.06	28	690	<2	0.28	8	24
G276684		8.53	<10	<1	0.05	<10	3.23	1500	<1	0.09	31	750	<2	0.22	<2	28
G276685		8.17	<10	<1	0.08	<10	3.06	1620	<1	0.06	32	770	<2	0.42	7	26
G276686		8.77	<10	<1	0.05	<10	3.25	1660	<1	0.09	34	750	<2	0.17	2	30
G276687		8.90	10	<1	0.02	<10	3.42	1655	1	0.04	34	800	<2	0.19	<2	32
G276688		8.75	10	<1	0.03	<10	3.23	1460	<1	0.02	33	740	<2	0.49	<2	30
G276689		8.89	20	<1	0.01	<10	3.58	1390	1	0.02	38	830	<2	0.18	<2	33
G276690		0.08	<10	<1	<0.01	<10	1.65	36	<1	0.02	1	40	2	0.08	<2	<1
G276691		9.21	20	<1	0.01	<10	3.72	1595	<1	0.03	40	820	<2	0.12	2	34



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G276652		122	<20	<0.01	<10	<10	28	<10	80
G276653		261	<20	<0.01	<10	<10	24	<10	51
G276654		112	<20	0.01	<10	10	31	<10	89
G276655		323	<20	0.01	<10	10	28	<10	81
G276656		110	<20	0.01	<10	10	38	<10	87
G276657		98	<20	0.01	<10	10	41	<10	72
G276658		328	<20	0.01	<10	10	24	<10	37
G276659		331	<20	0.01	<10	10	26	<10	45
G276660		42	<20	0.11	<10	<10	50	40	51
G276661		76	<20	0.01	<10	10	34	<10	83
G276662		87	<20	0.02	<10	10	110	<10	77
G276663		68	<20	0.07	<10	10	300	<10	96
G276664		75	<20	0.05	<10	10	281	<10	94
G276665		101	<20	0.06	<10	10	324	<10	110
G276666		117	<20	0.04	<10	<10	301	<10	102
G276667		86	<20	0.06	<10	10	346	<10	115
G276668		97	<20	0.03	<10	10	248	<10	98
G276669		116	<20	0.01	<10	10	45	<10	54
G276670		5230	20	0.01	<10	10	3	<10	2
G276671		96	<20	0.01	<10	<10	41	<10	97
G276672		68	<20	0.01	<10	<10	101	<10	97
G276673		81	<20	0.01	<10	10	67	<10	83
G276674		127	<20	0.01	<10	10	31	<10	62
G276675		119	<20	0.01	<10	10	33	<10	67
G276676		129	<20	0.01	<10	10	26	<10	75
G276677		106	<20	0.01	<10	10	30	<10	90
G276678		192	<20	0.01	<10	<10	31	<10	92
G276679		59	<20	0.01	<10	10	42	<10	96
G276680		69	<20	0.05	<10	<10	41	<10	103
G276681		88	<20	0.01	<10	10	39	<10	89
G276682		69	<20	0.01	<10	10	46	<10	100
G276683		81	<20	0.01	<10	10	42	<10	79
G276684		66	<20	0.01	<10	10	46	<10	101
G276685		93	<20	0.01	<10	10	38	<10	71
G276686		71	<20	0.01	<10	10	46	<10	85
G276687		73	<20	0.02	<10	10	228	<10	101
G276688		84	<20	0.03	<10	10	239	<10	96
G276689		115	<20	0.07	<10	10	324	<10	107
G276690		5540	30	<0.01	<10	<10	2	<10	2
G276691		157	<20	0.04	<10	<10	328	<10	112





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Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G276692		4.29	<0.005		0.3	4.70	8	<10	10	<0.5	<2	5.74	<0.5	37	46	59
G276693		4.80	1.925		0.4	0.65	3940	<10	60	<0.5	<2	5.96	<0.5	40	7	44
G276694		4.62	0.096		<0.2	0.71	99	<10	20	<0.5	<2	5.62	<0.5	35	9	57
G276695		1.38	0.007		0.2	0.54	101	<10	20	<0.5	<2	6.32	<0.5	35	8	72
G276696		1.94	0.582		0.3	0.33	1565	<10	50	<0.5	<2	6.41	<0.5	30	13	40
G276697		1.95	<0.005		0.2	0.81	113	<10	30	<0.5	<2	6.01	<0.5	32	42	66
G276698		3.82	<0.005		<0.2	4.40	65	<10	10	<0.5	<2	6.42	<0.5	36	45	69
G276699		3.88	<0.005		0.3	4.53	39	<10	30	<0.5	<2	4.98	<0.5	35	39	65
G276700		0.09	0.743		2.4	0.74	32	<10	60	<0.5	5	1.96	0.6	8	32	7240
G276701		3.43	0.028		<0.2	1.64	644	<10	70	0.6	<2	1.42	<0.5	44	34	59
G276702		1.29	<0.005		<0.2	4.02	70	<10	180	0.5	<2	3.03	<0.5	40	44	85
G276703		3.92	<0.005		0.2	3.28	95	<10	160	0.5	<2	3.55	<0.5	36	40	66
G276704		4.68	<0.005		<0.2	2.93	51	<10	20	<0.5	<2	3.12	<0.5	37	59	73
G276705		4.80	<0.005		<0.2	3.57	55	<10	10	<0.5	<2	4.73	<0.5	35	88	73
G276706		5.02	<0.005		<0.2	3.58	30	<10	130	<0.5	<2	3.69	<0.5	35	41	67
G276707		1.34	0.005		0.3	1.15	65	<10	60	<0.5	<2	5.61	<0.5	35	28	60
G276708		1.00	1.140		0.4	0.91	526	<10	50	0.9	<2	10.1	<0.5	30	13	57
G276709		4.05	<0.005		<0.2	3.12	24	<10	20	<0.5	<2	3.63	<0.5	32	91	91
G276710		0.33	0.006		<0.2	0.08	6	<10	10	<0.5	<2	>25.0	<0.5	1	1	4
G276711		3.69	<0.005		<0.2	3.29	3	<10	20	0.5	<2	2.70	<0.5	35	61	82
G276712		2.02	3.03		0.8	0.74	1610	<10	80	2.3	<2	8.5	<0.5	38	14	271
G276713		4.80	2.11		0.6	0.93	660	<10	60	1.6	<2	7.8	<0.5	36	13	111
G276714		0.71	0.009		<0.2	4.45	9	<10	30	1.3	<2	4.54	<0.5	38	81	65
G276715		2.84	2.32		0.4	0.77	1360	<10	60	1.4	<2	10.1	<0.5	36	12	119
G276716		4.40	1.655		0.5	1.11	693	<10	70	1.6	<2	11.4	<0.5	35	17	182
G276717		2.36	0.326		0.2	1.94	161	<10	40	1.0	<2	5.78	<0.5	34	28	103
G276718		5.09	<0.005		<0.2	3.31	8	<10	10	<0.5	<2	3.73	<0.5	31	66	79
G276719		1.90	<0.005		0.2	3.60	7	<10	10	<0.5	<2	4.06	<0.5	34	83	82
G276720		0.09	0.264		0.4	0.43	488	<10	620	<0.5	<2	1.09	<0.5	3	44	41
G276721		1.19	0.320		<0.2	1.99	79	<10	30	0.6	<2	8.3	<0.5	32	39	122
G276722		3.45	<0.005		0.2	3.17	3	<10	200	0.5	<2	4.20	<0.5	36	48	64
G276723		4.28	<0.005		<0.2	3.51	2	<10	30	<0.5	<2	2.61	<0.5	41	37	93
G276724		4.39	<0.005		<0.2	3.72	3	<10	30	<0.5	<2	2.52	<0.5	36	38	69
G276725		<0.02	<0.005		<0.2	3.54	2	<10	30	<0.5	<2	2.28	<0.5	35	36	71
G276726		4.12	<0.005		<0.2	2.52	<2	<10	80	<0.5	3	2.59	<0.5	33	33	73
G276727		4.07	<0.005		<0.2	2.88	3	<10	90	<0.5	<2	3.57	<0.5	38	38	57
G276728		4.41	<0.005		<0.2	2.66	4	<10	50	<0.5	3	4.41	<0.5	39	37	77
G276729		2.18	0.008		<0.2	2.11	10	<10	40	<0.5	4	5.49	<0.5	35	28	48
G276730		0.50	<0.005		<0.2	0.09	4	<10	10	<0.5	<2	>25.0	<0.5	<1	1	<1
G276731		1.78	<0.005		<0.2	2.92	4	10	20	0.5	4	4.10	<0.5	36	25	56



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41		
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	
G276692		9.52	20	<1	0.01	<10	3.54	1470	<1	0.04	34	920	<2	0.13	<2	36	
G276693		8.94	<10	<1	0.21	<10	3.09	1400	<1	0.03	32	750	<2	2.70	<2	28	
G276694		8.94	<10	<1	0.16	<10	3.43	1520	<1	0.08	28	820	<2	0.23	<2	28	
G276695		8.28	<10	<1	0.12	<10	3.48	1435	<1	0.06	32	520	<2	0.13	<2	27	
G276696		6.49	<10	<1	0.16	<10	2.91	1215	<1	0.03	38	350	<2	1.64	<2	20	
G276697		6.99	<10	<1	0.14	<10	3.50	1400	<1	0.03	46	430	<2	0.07	<2	27	
G276698		8.69	20	1	0.01	<10	3.45	1450	<1	0.03	33	690	<2	0.15	<2	34	
G276699		9.10	10	<1	0.01	<10	3.13	1515	<1	0.03	29	950	<2	0.22	<2	26	
G276700		7.01	<10	2	0.30	<10	0.90	949	7	0.06	15	650	19	2.88	25	3	
G276701		9.74	10	1	0.01	<10	1.77	1465	<1	0.02	<10	37	970	<2	0.37	<2	30
G276702		9.94	10	1	0.04	<10	2.70	1215	<1	0.05	33	1000	<2	0.20	<2	21	
G276703		7.97	10	1	0.03	<10	2.36	1330	<1	0.06	30	990	<2	0.20	3	19	
G276704		6.42	10	<1	<0.01	<10	2.11	1135	<1	0.05	35	810	<2	0.19	3	12	
G276705		6.94	10	<1	0.01	<10	2.99	1295	<1	0.06	42	550	<2	0.08	<2	21	
G276706		7.93	10	<1	0.02	<10	2.61	1335	<1	0.05	31	970	<2	0.19	<2	19	
G276707		8.64	<10	<1	0.07	<10	2.43	1730	<1	0.02	26	880	<2	0.17	2	27	
G276708		7.94	<10	<1	0.18	<10	2.64	1750	<1	0.02	26	740	<2	2.40	<2	24	
G276709		6.13	10	<1	0.01	<10	2.21	1105	<1	0.05	40	540	<2	0.10	3	13	
G276710		0.11	<10	1	0.02	<10	1.83	32	<1	0.02	<1	50	<2	0.09	2	<1	
G276711		6.90	10	1	0.02	<10	2.30	1140	<1	0.05	37	830	<2	0.18	<2	12	
G276712		8.32	<10	<1	0.35	<10	3.53	1850	<1	0.02	39	750	<2	6.00	<2	32	
G276713		8.39	<10	<1	0.24	<10	3.38	1770	<1	0.02	29	700	<2	2.26	2	28	
G276714		9.19	10	1	0.05	<10	3.27	1445	<1	0.04	44	630	<2	0.09	<2	31	
G276715		8.29	<10	1	0.22	<10	3.59	1910	<1	0.02	31	500	<2	5.29	<2	28	
G276716		6.88	<10	<1	0.27	<10	3.24	1790	<1	0.03	34	480	<2	2.57	<2	29	
G276717		7.62	10	<1	0.15	<10	2.89	1380	<1	0.03	30	800	<2	0.50	<2	24	
G276718		6.33	10	<1	0.01	<10	2.13	1115	<1	0.05	35	700	<2	0.07	2	12	
G276719		6.84	10	<1	0.01	<10	2.37	1125	<1	0.06	42	670	<2	0.10	<2	18	
G276720		4.17	<10	4	0.10	10	0.03	77	13	0.03	16	150	12	0.21	29	1	
G276721		7.53	10	<1	0.09	<10	2.43	1825	<1	0.04	32	550	<2	0.26	<2	20	
G276722		8.71	10	1	0.16	<10	2.53	1710	<1	0.06	35	730	<2	0.07	<2	24	
G276723		7.48	10	<1	0.15	<10	3.04	1570	<1	0.04	40	750	<2	<0.01	<2	14	
G276724		7.28	10	<1	0.18	<10	3.19	1620	<1	0.04	33	780	<2	<0.01	<2	11	
G276725		6.94	10	1	0.16	<10	3.06	1535	<1	0.03	32	760	<2	<0.01	2	10	
G276726		6.40	10	<1	0.15	<10	2.20	1185	<1	0.03	34	770	2	0.09	2	13	
G276727		7.58	10	<1	0.10	<10	2.74	1455	<1	0.05	36	750	2	0.10	<2	20	
G276728		8.03	10	<1	0.12	<10	3.23	1770	<1	0.03	39	730	3	0.04	<2	26	
G276729		8.03	10	1	0.18	<10	2.66	1490	<1	0.03	32	720	<2	0.13	<2	28	
G276730		0.12	<10	<1	0.01	<10	1.45	37	<1	0.01	2	50	3	0.07	<2	1	
G276731		9.27	10	<1	0.16	<10	2.35	1340	<1	0.03	28	830	<2	0.07	<2	28	



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G276692		160	<20	0.03	<10	<10	345	<10	114
G276693		190	<20	<0.01	<10	<10	44	<10	78
G276694		86	<20	<0.01	<10	<10	52	<10	98
G276695		96	<20	<0.01	<10	<10	37	<10	88
G276696		188	<20	<0.01	<10	<10	23	<10	47
G276697		109	<20	<0.01	<10	<10	55	<10	80
G276698		104	<20	0.04	<10	<10	299	<10	101
G276699		71	<20	0.32	<10	<10	278	<10	106
G276700		67	<20	0.04	<10	<10	43	<10	106
G276701		26	<20	0.01	<10	<10	288	<10	123
G276702		58	<20	0.49	<10	<10	254	<10	107
G276703		57	<20	0.58	<10	<10	228	<10	93
G276704		46	<20	0.67	<10	<10	187	<10	76
G276705		64	<20	0.34	<10	<10	225	<10	81
G276706		58	<20	0.56	<10	<10	237	<10	93
G276707		61	<20	0.01	<10	<10	211	<10	104
G276708		168	<20	<0.01	<10	<10	81	<10	68
G276709		47	<20	0.44	<10	<10	195	<10	74
G276710		5530	30	<0.01	<10	<10	3	<10	<2
G276711		40	<20	0.62	<10	<10	200	<10	83
G276712		305	<20	<0.01	<10	<10	53	<10	51
G276713		206	<20	<0.01	<10	<10	61	<10	83
G276714		78	<20	0.11	<10	<10	267	<10	101
G276715		299	<20	<0.01	<10	<10	59	<10	35
G276716		257	<20	<0.01	<10	<10	77	<10	45
G276717		99	<20	0.13	<10	<10	136	<10	84
G276718		33	<20	0.70	<10	<10	208	<10	77
G276719		52	<20	0.67	<10	<10	245	<10	82
G276720		84	<20	0.01	10	<10	30	10	23
G276721		92	<20	0.18	<10	<10	130	<10	86
G276722		77	<20	0.12	<10	<10	239	<10	104
G276723		54	<20	0.45	<10	<10	208	<10	104
G276724		51	<20	0.74	<10	<10	236	<10	102
G276725		44	<20	0.71	<10	<10	220	<10	97
G276726		53	<20	0.37	<10	<10	185	<10	91
G276727		62	<20	0.19	<10	<10	219	<10	104
G276728		80	<20	0.03	<10	<10	210	<10	111
G276729		83	<20	0.01	<10	<10	213	<10	102
G276730		4830	20	<0.01	<10	<10	4	<10	2
G276731		86	<20	0.01	<10	<10	267	<10	118



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Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
G276732		1.65	<0.005		<0.2	3.59	2	<10	20	<0.5	5	4.79	<0.5	39	27	68
G276733		1.82	0.006		<0.2	0.45	3	<10	10	<0.5	<2	11.4	<0.5	6	5	37
G276734		1.48	<0.005		<0.2	3.93	<2	<10	10	<0.5	4	3.72	<0.5	43	27	59
G276735		4.69	0.008		<0.2	1.73	6	<10	30	<0.5	<2	3.34	<0.5	22	15	113
G276736		3.14	0.006		<0.2	2.72	2	<10	110	0.5	4	4.27	<0.5	33	24	62
G276737		4.42	<0.005		<0.2	2.64	2	<10	80	0.6	<2	2.43	<0.5	34	25	74
G276738		3.43	<0.005		<0.2	2.42	3	<10	70	<0.5	2	2.81	<0.5	29	43	55
G276585		4.60	<0.005		<0.2	2.01	42	<10	30	<0.5	2	5.28	<0.5	40	31	36
G276586		3.27	0.263		0.2	2.15	185	<10	50	1.5	3	3.68	<0.5	33	78	43
G276587		2.19	0.007		<0.2	2.19	42	<10	60	1.7	<2	5.79	<0.5	25	231	36
G276588		3.10	0.005		<0.2	2.59	22	<10	1230	3.0	<2	4.34	<0.5	29	330	43
G276589		3.86	<0.005		<0.2	2.97	17	<10	2130	5.3	2	4.12	<0.5	23	269	36
G276590		3.46	0.517		0.2	2.31	159	<10	110	6.8	<2	4.38	<0.5	24	285	40
G276591		1.80	7.87	7.82	1.7	1.48	262	<10	100	1.6	3	7.7	<0.5	20	44	26
G276592		4.61	0.030		<0.2	4.11	70	<10	20	0.8	4	5.04	<0.5	35	48	67
G276593		3.24	0.415		0.8	3.09	176	<10	60	2.7	3	5.28	<0.5	32	158	68
G276594		0.73	0.044		0.2	2.71	96	<10	1130	3.3	2	3.81	<0.5	22	318	43
G276595		3.56	0.053		<0.2	2.68	106	<10	1400	4.0	<2	4.76	<0.5	25	263	51
G276596		3.68	<0.005		<0.2	2.30	30	<10	1880	4.8	2	4.16	<0.5	22	226	25
G276597		4.64	0.016		0.2	3.14	73	<10	60	1.8	4	4.97	<0.5	34	70	113
G276598		2.70	<0.005		<0.2	2.41	41	<10	2030	3.9	3	3.79	<0.5	23	264	34
G276599		1.93	0.031		<0.2	3.33	76	<10	80	1.5	3	5.27	<0.5	35	68	82
G276600		0.11	3.46		3.7	1.44	271	<10	350	<0.5	2	1.27	1.4	8	53	71
G276601		0.76	0.008		<0.2	2.46	58	<10	1670	3.2	<2	3.90	<0.5	26	218	28
G276602		1.09	0.330		<0.2	2.90	596	<10	130	1.3	4	6.06	<0.5	35	48	53
G276603		2.80	1.560		0.6	1.13	2080	<10	70	0.8	4	6.61	<0.5	31	12	29
G276604		4.61	0.011		<0.2	2.74	437	<10	20	<0.5	2	5.51	<0.5	33	33	57
G276605		3.60	0.007		<0.2	3.68	20	<10	10	0.9	4	5.41	<0.5	35	58	58
G276606		3.60	<0.005		<0.2	4.17	18	<10	10	0.9	3	5.36	<0.5	37	51	37
G276607		3.02	<0.005		<0.2	2.56	57	<10	590	2.7	2	5.14	<0.5	26	340	43
G276608		3.78	0.025		<0.2	2.68	83	<10	10	0.6	<2	5.69	<0.5	34	30	55
G276609		5.07	0.637		<0.2	2.10	929	<10	50	0.9	<2	5.59	<0.5	31	25	43
G276610		0.41	<0.005		<0.2	0.06	5	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	<1
G276611		1.55	0.062		0.8	3.56	212	<10	420	2.8	<2	4.44	<0.5	31	73	239



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12152471**

Sample Description	Method Analyte Units LOR	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm
G276732		9.97	20	1	0.13	<10	3.04	1485	<1	0.02	31	790	2	0.06	<2	29
G276733		1.42	<10	<1	0.06	<10	0.43	863	<1	<0.01	4	310	2	0.07	<2	3
G276734		10.75	20	1	0.12	<10	3.56	1815	<1	0.02	32	820	3	0.11	<2	29
G276735		4.51	10	1	0.07	<10	1.57	864	<1	0.01	17	120	2	0.05	<2	3
G276736		7.46	10	<1	0.14	<10	2.44	1245	<1	0.04	28	740	2	0.04	<2	21
G276737		7.60	10	<1	0.10	<10	2.47	1065	<1	0.05	28	860	3	0.04	<2	13
G276738		6.42	10	<1	0.09	<10	2.00	1115	<1	0.07	29	800	2	0.03	<2	7
G276585		8.38	10	1	0.10	<10	2.30	1505	<1	0.03	42	660	4	0.21	3	31
G276586		10.20	10	1	0.05	<10	1.56	1650	<1	0.01	72	1670	44	1.42	4	26
G276587		6.41	<10	1	<0.01	300	2.06	1040	1	0.01	171	4380	38	0.24	2	15
G276588		4.61	10	1	0.69	110	2.57	588	2	0.04	171	4150	36	0.25	3	18
G276589		4.09	10	<1	1.44	70	3.70	862	1	0.08	127	3060	26	0.11	<2	12
G276590		4.31	10	<1	1.22	100	3.85	764	1	0.03	134	4000	50	1.07	<2	13
G276591		5.41	<10	<1	0.17	20	1.73	1170	<1	0.01	39	740	31	2.39	5	14
G276592		8.50	10	1	0.08	<10	3.47	1295	<1	0.03	33	680	17	0.20	2	32
G276593		7.05	10	1	0.11	10	3.46	1270	<1	0.03	52	640	77	0.66	4	22
G276594		4.62	10	<1	0.78	100	3.67	949	1	0.02	135	3940	41	0.28	3	12
G276595		4.28	10	<1	1.01	100	3.82	850	2	0.03	140	3660	29	0.23	4	15
G276596		3.42	10	<1	1.20	100	3.55	694	1	0.04	146	4060	19	0.05	<2	11
G276597		7.72	10	<1	0.06	10	3.78	1125	<1	0.06	44	670	21	0.23	2	22
G276598		3.65	10	<1	1.25	100	3.79	726	1	0.03	146	4270	21	0.10	4	13
G276599		7.39	10	<1	0.08	10	3.71	1125	<1	0.05	44	680	19	0.19	2	22
G276600		3.14	<10	4	0.13	10	0.77	421	12	0.06	37	720	277	0.63	25	4
G276601		4.46	10	<1	1.06	90	3.52	807	1	0.03	111	3590	14	0.12	2	14
G276602		7.82	10	1	0.25	10	3.10	1170	<1	0.02	43	780	16	1.03	2	21
G276603		7.10	<10	<1	0.21	<10	2.62	1425	<1	0.01	34	1030	6	4.78	3	21
G276604		8.26	10	1	0.06	<10	2.94	1425	<1	0.03	34	730	6	0.16	<2	28
G276605		8.45	10	<1	0.01	10	3.15	1375	<1	0.02	38	810	6	0.16	<2	31
G276606		8.74	20	1	0.02	<10	3.29	1265	<1	0.03	39	740	5	0.11	<2	30
G276607		4.28	10	<1	0.39	100	3.75	965	1	0.02	164	3880	18	0.11	4	14
G276608		8.76	10	<1	0.06	<10	3.09	1270	1	0.04	41	650	3	0.15	<2	29
G276609		7.82	10	<1	0.10	<10	2.93	1330	1	0.02	36	650	5	0.60	<2	26
G276610		0.10	<10	<1	<0.01	<10	1.62	40	<1	0.01	2	40	<2	0.11	<2	1
G276611		5.43	10	<1	1.29	10	3.68	1080	<1	0.02	41	390	30	0.86	3	27



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**CERTIFICATE OF ANALYSIS TR12152471**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G276732		79	<20	0.02	<10	<10	306	<10	128
G276733		94	<20	<0.01	<10	<10	27	<10	18
G276734		42	<20	0.01	<10	<10	280	<10	143
G276735		52	<20	0.01	<10	<10	95	<10	67
G276736		59	<20	0.36	<10	<10	256	<10	98
G276737		40	<20	1.08	<10	<10	273	<10	99
G276738		34	<20	0.76	<10	<10	193	<10	77
G276585		244	<20	0.02	<10	<10	146	<10	114
G276586		76	20	0.01	<10	<10	167	<10	114
G276587		232	70	<0.01	<10	<10	83	<10	41
G276588		309	60	0.20	<10	<10	120	<10	62
G276589		368	50	0.44	<10	<10	131	<10	58
G276590		460	80	0.41	<10	<10	123	<10	62
G276591		208	<20	0.05	<10	<10	108	<10	62
G276592		304	<20	0.08	<10	<10	281	<10	115
G276593		327	<20	0.35	<10	<10	247	<10	134
G276594		543	70	0.43	<10	<10	140	<10	80
G276595		554	80	0.45	<10	<10	145	<10	62
G276596		640	90	0.47	<10	<10	118	<10	47
G276597		237	<20	0.35	<10	<10	302	<10	104
G276598		563	90	0.50	<10	<10	126	<10	50
G276599		240	<20	0.20	<10	<10	297	<10	106
G276600		36	<20	0.09	<10	<10	59	<10	263
G276601		476	70	0.45	<10	<10	163	<10	65
G276602		298	<20	0.12	<10	<10	214	<10	81
G276603		407	<20	0.01	<10	<10	65	<10	38
G276604		179	<20	0.01	<10	<10	194	<10	105
G276605		192	<20	0.01	<10	<10	315	<10	107
G276606		255	<20	0.01	<10	<10	317	<10	121
G276607		811	60	0.12	<10	<10	139	<10	57
G276608		134	<20	0.02	<10	10	173	<10	111
G276609		262	<20	0.02	<10	<10	147	<10	77
G276610		4590	20	0.01	<10	<10	2	<10	<2
G276611		232	<20	0.28	<10	<10	248	<10	86



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**CERTIFICATE OF ANALYSIS TR12152471**

Method	CERTIFICATE COMMENTS
ME-ICP41	Uranium ICP-AES results reported below 250 ppm are considered to be semi-quantitative due to interference when Ce > 250 ppm



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**CERTIFICATE TR12151800**

Project: CMV12-01  
 P.O. No.: CMV12-01\_6  
 This report is for 166 Drill Core samples submitted to our lab in Terrace, BC, Canada on 4-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager





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**CERTIFICATE OF ANALYSIS TR12151800**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G276751		3.82	0.156		<0.2	0.90	193	<10	30	<0.5	<2	5.08	<0.5	27	20	49
G276752		2.38	1.065		0.2	0.31	973	<10	50	<0.5	<2	6.25	<0.5	35	12	38
G276753		1.56	0.029		0.2	0.92	121	<10	40	<0.5	<2	6.29	<0.5	33	13	68
G276754		1.50	1.175		0.4	0.45	729	<10	50	<0.5	<2	6.64	<0.5	36	9	34
G276755		3.24	>10.0	10.15	1.5	0.19	3510	<10	40	<0.5	<2	1.45	<0.5	24	7	10
G276756		2.74	0.525		<0.2	1.12	667	<10	30	<0.5	<2	5.69	<0.5	35	18	54
G276757		2.47	0.137		<0.2	0.52	527	<10	40	<0.5	<2	6.25	<0.5	33	12	55
G276758		4.04	0.010		<0.2	3.35	196	<10	10	<0.5	<2	6.02	<0.5	38	53	75
G276759		4.55	<0.005		<0.2	4.77	65	<10	10	<0.5	<2	6.34	<0.5	38	44	68
G276760		0.08	3.72		3.8	1.59	277	<10	360	<0.5	<2	1.35	1.6	9	55	77
G276761		4.57	0.490		<0.2	1.92	613	<10	30	<0.5	<2	6.26	<0.5	34	46	59
G276762		4.66	0.092		<0.2	1.93	429	<10	80	<0.5	<2	6.36	<0.5	32	28	55
G276763		3.81	<0.005		<0.2	4.02	33	<10	10	<0.5	<2	5.57	<0.5	36	49	69
G276764		4.23	<0.005		<0.2	4.85	8	<10	10	<0.5	<2	5.21	<0.5	37	42	66
G276765		4.77	<0.005		<0.2	4.65	7	<10	20	<0.5	<2	5.67	<0.5	34	42	65
G276766		4.45	0.005		<0.2	4.23	11	<10	20	<0.5	2	6.18	<0.5	36	40	67
G276767		4.53	<0.005		<0.2	4.55	38	<10	10	<0.5	<2	6.25	<0.5	35	70	74
G276768		5.01	<0.005		<0.2	4.45	89	<10	10	<0.5	<2	6.33	<0.5	39	46	114
G276769		4.08	0.175		<0.2	1.70	217	<10	40	<0.5	<2	6.29	<0.5	31	21	49
G276770		0.37	<0.005		<0.2	0.07	2	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	<1
G276771		1.51	1.695		0.3	0.72	1455	<10	60	<0.5	<2	6.29	<0.5	33	6	15
G276772		0.91	0.041		<0.2	0.16	64	<10	30	<0.5	2	9.2	<0.5	8	3	<1
G276773		1.05	0.707		<0.2	0.55	839	<10	40	<0.5	<2	6.65	<0.5	37	8	36
G276774		2.45	<0.005		<0.2	1.11	109	<10	20	<0.5	<2	5.65	<0.5	37	13	102
G276775		2.01	<0.005		0.4	1.09	106	<10	10	<0.5	2	5.88	<0.5	37	13	77
G276776		1.52	0.006		0.2	0.90	93	<10	<10	<0.5	3	6.12	<0.5	19	9	19
G276777		5.79	0.077		0.4	0.83	216	<10	30	<0.5	<2	6.10	<0.5	36	11	66
G276778		4.08	0.772		0.7	0.36	1500	<10	50	<0.5	<2	7.9	<0.5	37	6	19
G276779		4.78	<0.005		0.4	5.16	58	<10	10	<0.5	2	6.09	<0.5	40	64	72
G276780		0.09	9.66	10.25	0.7	1.63	4180	<10	50	0.5	<2	0.90	<0.5	15	72	69
G276781		3.46	<0.005		0.3	4.70	39	<10	<10	<0.5	<2	6.42	<0.5	38	64	65
G276782		4.67	<0.005		0.3	3.15	5	<10	<10	<0.5	<2	3.63	<0.5	31	59	68
G276783		3.53	<0.005		<0.2	3.00	4	<10	<10	<0.5	<2	2.79	<0.5	33	60	87
G276784		4.27	<0.005		<0.2	3.46	4	<10	<10	<0.5	<2	3.16	<0.5	36	68	81
G276785		4.60	<0.005		0.3	4.63	5	<10	<10	<0.5	<2	5.44	<0.5	38	67	70
G276786		3.94	<0.005		<0.2	5.00	21	<10	<10	<0.5	<2	6.35	<0.5	37	67	77
G276787		4.14	<0.005		0.3	4.73	10	<10	10	<0.5	<2	5.42	<0.5	39	64	72
G276788		3.20	<0.005		<0.2	4.02	59	<10	<10	<0.5	<2	6.50	<0.5	37	47	70
G276789		3.17	0.007		<0.2	3.05	86	<10	30	<0.5	<2	5.68	<0.5	39	43	70
G276790		0.37	<0.005		0.9	0.16	4	<10	<10	<0.5	<2	>25.0	<0.5	2	1	2



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**CERTIFICATE OF ANALYSIS TR12151800**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G276751		5.82	<10	<1	0.12	<10	2.55	1190	<1	0.03	31	380	<2	0.87	3	19
G276752		7.02	<10	<1	0.16	<10	3.03	1405	<1	0.02	39	270	2	3.78	3	25
G276753		7.31	<10	<1	0.13	<10	3.11	1375	<1	0.03	37	480	<2	0.29	2	26
G276754		7.16	<10	<1	0.16	<10	3.11	1505	<1	0.02	39	270	<2	3.98	4	25
G276755		8.48	<10	<1	0.10	<10	0.58	392	<1	0.01	31	370	6	>10.0	3	5
G276756		8.14	<10	1	0.13	<10	3.05	1565	<1	0.02	32	600	<2	2.85	<2	26
G276757		6.81	<10	<1	0.15	<10	3.29	1450	<1	0.02	37	380	3	0.65	<2	26
G276758		8.07	10	<1	0.04	<10	3.28	1575	<1	0.02	37	680	<2	0.25	<2	33
G276759		8.56	20	1	0.01	<10	3.38	1425	<1	0.02	32	660	2	0.25	<2	35
G276760		3.31	10	5	0.15	10	0.82	465	12	0.08	38	770	287	0.69	24	5
G276761		6.92	10	1	0.11	<10	3.28	1395	<1	0.03	37	400	<2	0.94	<2	28
G276762		7.54	10	<1	0.13	<10	3.14	1510	<1	0.03	33	690	2	0.69	<2	28
G276763		8.62	20	1	0.01	<10	3.48	1470	<1	0.03	33	770	<2	0.38	<2	34
G276764		8.85	20	1	0.01	<10	3.50	1570	<1	0.02	31	910	<2	0.25	<2	32
G276765		8.61	20	1	0.02	<10	3.30	1550	<1	0.03	30	860	<2	0.24	<2	31
G276766		8.73	20	1	0.04	<10	3.33	1555	<1	0.02	30	860	<2	0.31	<2	32
G276767		8.17	20	1	0.01	<10	3.46	1415	<1	0.03	35	730	<2	0.18	<2	34
G276768		8.82	20	<1	0.02	<10	3.32	1485	<1	0.02	35	790	<2	0.44	<2	33
G276769		7.90	<10	1	0.13	<10	3.10	1500	<1	0.02	29	720	<2	0.84	<2	24
G276770		0.10	<10	1	<0.01	<10	2.11	51	<1	0.02	<1	50	<2	0.11	<2	<1
G276771		8.89	<10	<1	0.16	<10	3.05	1650	<1	0.02	28	680	5	8.27	<2	27
G276772		4.80	<10	<1	0.06	<10	3.41	2390	<1	0.01	4	580	2	0.37	<2	28
G276773		7.31	<10	1	0.16	<10	2.97	1725	<1	0.03	35	450	<2	4.38	<2	28
G276774		7.45	<10	<1	0.12	<10	2.77	1260	<1	0.04	36	610	2	0.24	<2	26
G276775		8.01	<10	<1	0.10	<10	2.87	1260	<1	0.04	36	630	<2	0.23	2	26
G276776		5.90	<10	<1	0.04	<10	2.49	1705	<1	0.03	19	340	<2	0.11	2	22
G276777		7.89	<10	<1	0.13	<10	3.20	1475	<1	0.04	36	570	<2	0.40	3	27
G276778		7.40	<10	1	0.17	<10	2.93	1730	<1	0.02	33	410	<2	4.23	<2	25
G276779		9.28	20	<1	<0.01	<10	3.90	1495	<1	0.02	39	610	<2	0.14	2	36
G276780		3.76	10	<1	0.16	10	0.91	410	7	0.07	65	510	7	0.91	35	5
G276781		8.13	20	<1	<0.01	<10	3.60	1475	<1	0.03	37	570	<2	0.12	<2	33
G276782		6.14	10	<1	<0.01	<10	2.38	1100	<1	0.04	34	610	<2	0.16	2	13
G276783		6.21	10	<1	<0.01	<10	2.35	1130	<1	0.05	33	600	<2	0.22	4	7
G276784		6.92	10	<1	<0.01	<10	2.85	1265	<1	0.05	37	640	<2	0.17	3	10
G276785		8.43	10	<1	<0.01	<10	3.80	1520	<1	0.03	38	610	<2	0.20	<2	31
G276786		8.54	20	<1	<0.01	<10	3.84	1475	<1	0.03	37	590	<2	0.19	3	36
G276787		8.65	20	<1	<0.01	<10	3.78	1520	<1	0.03	40	640	<2	0.20	4	31
G276788		8.28	20	1	0.01	<10	3.29	1415	<1	0.05	35	590	4	0.17	4	34
G276789		8.71	10	<1	0.03	<10	3.47	1580	<1	0.05	36	640	3	0.23	2	34
G276790		0.30	<10	<1	<0.01	<10	1.79	69	<1	0.03	<1	50	2	0.07	<2	1



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**CERTIFICATE OF ANALYSIS TR12151800**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G276751		111	<20	0.12	<10	<10	44	<10	72
G276752		222	<20	<0.01	<10	<10	24	<10	53
G276753		95	<20	0.01	<10	<10	33	<10	107
G276754		237	<20	<0.01	<10	<10	23	<10	46
G276755		62	<20	<0.01	<10	<10	11	<10	12
G276756		152	<20	<0.01	<10	<10	46	<10	74
G276757		158	<20	<0.01	<10	<10	27	<10	70
G276758		79	<20	0.01	<10	<10	234	<10	109
G276759		105	<20	0.04	<10	<10	297	<10	119
G276760		38	<20	0.11	<10	<10	62	<10	273
G276761		141	<20	<0.01	<10	<10	95	<10	70
G276762		155	<20	0.01	<10	<10	105	<10	127
G276763		121	<20	0.04	<10	<10	295	<10	110
G276764		136	<20	0.26	<10	<10	314	<10	112
G276765		108	<20	0.28	<10	<10	295	<10	114
G276766		120	<20	0.02	<10	<10	264	<10	104
G276767		84	<20	0.04	<10	<10	284	<10	102
G276768		75	<20	0.03	<10	<10	264	<10	105
G276769		100	<20	<0.01	<10	<10	77	<10	93
G276770		4660	20	<0.01	<10	<10	3	<10	8
G276771		244	<20	<0.01	<10	<10	41	<10	39
G276772		350	<20	<0.01	<10	<10	25	<10	32
G276773		218	<20	<0.01	<10	<10	27	<10	48
G276774		62	<20	<0.01	<10	<10	52	<10	96
G276775		62	<20	<0.01	<10	<10	50	<10	103
G276776		78	<20	<0.01	<10	<10	32	<10	40
G276777		77	<20	<0.01	<10	<10	32	<10	87
G276778		240	<20	<0.01	<10	<10	24	<10	32
G276779		63	<20	0.05	<10	<10	310	<10	108
G276780		42	<20	0.11	<10	<10	54	40	54
G276781		55	<20	0.13	<10	<10	315	<10	96
G276782		28	<20	0.60	<10	<10	226	<10	72
G276783		33	<20	0.80	<10	<10	203	<10	72
G276784		40	<20	0.77	<10	<10	257	<10	80
G276785		66	<20	0.65	<10	<10	320	<10	100
G276786		52	<20	0.62	<10	<10	336	<10	99
G276787		75	<20	0.52	<10	<10	319	<10	103
G276788		76	<20	0.06	<10	<10	296	<10	107
G276789		87	<20	0.03	<10	<10	251	<10	100
G276790		5220	20	0.01	<10	<10	10	<10	4



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**CERTIFICATE OF ANALYSIS TR12151800**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
G276791		4.05	1.990		0.4	0.33	1415	<10	60	<0.5	<2	8.0	<0.5	40	4	31
G276792		4.26	3.18		0.8	0.37	1145	<10	70	0.5	<2	9.0	<0.5	37	4	29
G276793		3.10	0.837		0.4	0.29	1055	<10	50	<0.5	<2	8.8	<0.5	37	5	14
G276794		3.51	1.020		0.7	0.41	558	<10	40	<0.5	<2	5.77	<0.5	32	10	47
G276795		3.95	0.868		0.5	0.33	852	<10	70	<0.5	<2	9.7	<0.5	34	8	16
G276796		4.58	0.006		<0.2	2.94	60	<10	50	0.5	<2	6.04	<0.5	35	36	75
G276797		1.72	0.011		0.2	2.27	36	<10	20	0.5	<2	9.9	<0.5	29	30	60
G276798		4.38	<0.005		<0.2	4.09	3	<10	20	<0.5	<2	4.61	<0.5	37	55	73
G276799		3.75	<0.005		<0.2	3.09	3	<10	100	<0.5	<2	2.50	<0.5	33	66	81
G276800		0.09	>10.0	10.45	0.8	1.47	3940	<10	50	<0.5	<2	0.78	<0.5	14	65	65
G276801		5.58	<0.005		<0.2	2.70	4	<10	1240	<0.5	<2	2.75	<0.5	28	52	72
G276802		5.64	0.264		<0.2	0.75	271	<10	160	<0.5	<2	6.52	<0.5	27	9	39
G276803		2.74	<0.005		<0.2	3.65	2	<10	230	<0.5	<2	4.94	<0.5	36	45	62
G276804		5.79	0.027		0.3	3.23	3	<10	1670	<0.5	<2	5.32	<0.5	37	45	61
G276805		5.09	0.009		<0.2	3.64	<2	<10	1540	<0.5	<2	4.80	<0.5	37	50	47
G276806		3.43	0.007		<0.2	1.27	6	<10	840	<0.5	<2	0.64	<0.5	11	27	54
G276807		5.93	<0.005		<0.2	4.31	34	<10	1380	<0.5	<2	4.04	<0.5	38	63	80
G276808		1.63	<0.005		0.4	0.03	2	<10	280	<0.5	<2	14.1	<0.5	1	2	1
G276809		0.95	<0.005		<0.2	6.13	42	<10	30	<0.5	<2	2.05	<0.5	48	81	43
G276810		0.37	<0.005		0.8	0.13	3	<10	<10	<0.5	<2	>25.0	<0.5	2	1	<1
G276811		3.64	<0.005		<0.2	1.55	17	<10	300	<0.5	<2	0.62	<0.5	7	26	64
G276812		2.94	0.010		<0.2	1.47	89	<10	380	<0.5	<2	0.72	<0.5	15	16	80
G276813		2.53	<0.005		0.2	0.48	33	<10	320	<0.5	<2	0.42	<0.5	5	8	73
G276814		3.07	<0.005		<0.2	3.57	<2	<10	<10	<0.5	<2	5.34	<0.5	38	54	47
G276815		4.08	<0.005		<0.2	3.58	4	<10	<10	<0.5	<2	5.45	<0.5	38	51	51
G276816		4.17	0.007		<0.2	1.34	72	<10	10	<0.5	<2	5.96	<0.5	36	26	52
G276817		3.26	0.427		<0.2	1.06	839	<10	20	<0.5	<2	5.85	<0.5	36	15	45
G276818		1.87	1.490		0.6	0.33	3220	<10	30	<0.5	<2	5.88	<0.5	32	6	49
G276819		4.15	0.008		<0.2	0.69	53	<10	10	<0.5	<2	4.93	<0.5	36	12	65
G276820		0.09	0.271		0.4	0.36	466	<10	1340	<0.5	<2	1.03	<0.5	3	41	39
G276821		4.78	0.006		<0.2	2.95	14	<10	<10	<0.5	<2	5.41	<0.5	37	44	58
G276822		1.73	2.31		0.6	0.93	2140	<10	30	<0.5	<2	5.26	<0.5	30	12	41
G276823		5.26	<0.005		<0.2	3.35	6	<10	<10	<0.5	<2	5.11	<0.5	34	51	60
G276824		2.12	<0.005		<0.2	3.51	2	<10	<10	<0.5	<2	5.36	<0.5	36	25	65
G276825		2.49	<0.005		<0.2	3.80	3	<10	<10	<0.5	<2	5.04	<0.5	39	28	69
G276826		1.62	0.013		<0.2	1.48	25	<10	10	0.5	<2	5.64	<0.5	34	12	61
G276827		4.56	0.006		<0.2	2.74	20	<10	<10	<0.5	<2	5.11	<0.5	36	21	57
G276828		1.86	0.983		0.3	0.68	1285	<10	30	<0.5	<2	4.67	<0.5	30	7	40
G276829		3.07	7.17	6.79	1.1	0.63	>10000	<10	30	<0.5	<2	4.86	<0.5	32	5	29
G276830		0.35	<0.005		0.8	0.07	8	<10	<10	<0.5	<2	>25.0	<0.5	1	<1	<1



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**CERTIFICATE OF ANALYSIS TR12151800**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	
G276791		8.29	<10	<1	0.19	<10	3.22	1925	<1	0.03	33	500	3	7.39	3	28
G276792		8.21	<10	<1	0.22	<10	3.78	2010	<1	0.03	32	430	3	6.33	6	28
G276793		7.75	<10	<1	0.16	<10	3.73	2070	<1	0.03	33	390	3	6.00	2	32
G276794		7.07	<10	<1	0.15	<10	2.98	1590	<1	0.03	36	340	3	3.09	3	25
G276795		7.06	<10	<1	0.17	<10	3.50	2090	<1	0.03	36	290	3	3.69	3	30
G276796		8.17	10	<1	0.06	<10	3.20	1575	<1	0.03	35	550	3	0.31	<2	30
G276797		6.06	10	<1	0.04	<10	2.52	1695	<1	0.03	25	480	3	0.16	2	27
G276798		7.70	10	<1	<0.01	<10	3.38	1375	<1	0.04	36	610	3	0.12	2	26
G276799		5.96	10	<1	<0.01	<10	2.79	1040	<1	0.04	34	600	<2	0.19	2	12
G276800		3.55	10	<1	0.16	10	0.84	380	7	0.07	62	470	6	0.85	34	4
G276801		5.40	10	<1	0.01	<10	2.44	1075	<1	0.06	27	610	<2	0.11	3	11
G276802		5.81	<10	<1	0.08	<10	2.73	1735	<1	0.04	24	350	2	0.53	<2	26
G276803		7.63	10	<1	0.01	<10	3.18	1555	<1	0.05	28	660	3	0.02	2	24
G276804		9.17	20	1	0.02	<10	3.11	1535	<1	0.07	29	710	2	0.08	<2	18
G276805		8.91	20	<1	0.02	<10	3.14	1470	<1	0.08	29	760	3	0.04	<2	14
G276806		2.67	10	<1	0.04	10	1.18	509	<1	0.03	27	190	<2	0.12	2	5
G276807		9.74	20	<1	0.04	<10	3.78	1885	<1	0.08	34	650	5	0.03	2	37
G276808		0.80	<10	<1	<0.01	<10	0.23	4090	<1	0.02	<1	<10	3	0.01	<2	37
G276809		11.65	30	1	<0.01	<10	5.19	1775	<1	0.03	49	690	4	0.02	<2	35
G276810		0.20	<10	<1	<0.01	<10	1.89	77	<1	0.03	<1	30	<2	0.05	<2	1
G276811		2.76	10	<1	0.09	10	1.26	404	<1	0.03	35	1080	5	0.09	2	4
G276812		3.09	<10	<1	0.15	10	1.21	572	<1	0.02	33	210	9	0.16	<2	4
G276813		1.25	<10	<1	0.11	10	0.38	234	1	0.01	26	70	6	0.17	5	1
G276814		8.98	20	1	<0.01	<10	2.95	1435	<1	0.04	36	690	4	<0.01	3	34
G276815		9.32	20	<1	0.01	<10	2.86	1535	<1	0.05	33	690	3	<0.01	2	32
G276816		8.41	10	<1	0.05	<10	2.65	1585	<1	0.04	37	680	2	0.10	<2	30
G276817		8.52	<10	<1	0.12	<10	2.83	1360	<1	0.04	31	660	2	0.58	7	26
G276818		7.88	<10	<1	0.16	<10	2.66	1335	<1	0.03	28	630	3	1.45	11	18
G276819		8.28	<10	<1	0.09	<10	2.81	1465	<1	0.06	29	690	<2	0.14	5	26
G276820		3.91	<10	4	0.09	10	0.03	73	14	0.04	15	120	14	0.21	29	1
G276821		9.23	10	<1	0.04	<10	3.21	1480	<1	0.04	32	720	<2	0.17	<2	31
G276822		7.77	<10	<1	0.11	<10	2.42	1220	<1	0.03	23	440	2	2.71	5	21
G276823		9.44	20	<1	0.01	<10	2.98	1520	<1	0.05	32	750	4	0.05	2	34
G276824		9.46	20	<1	<0.01	<10	2.94	1500	<1	0.04	27	860	2	0.06	2	35
G276825		9.72	20	<1	<0.01	<10	3.11	1435	<1	0.05	29	800	3	0.07	<2	37
G276826		9.64	10	<1	0.04	<10	2.34	1680	<1	0.04	23	840	4	0.17	2	35
G276827		9.42	10	<1	0.03	<10	2.72	1600	<1	0.06	30	830	2	0.04	2	34
G276828		7.61	<10	<1	0.10	<10	2.20	1200	<1	0.03	23	470	2	2.16	2	23
G276829		8.36	<10	<1	0.09	<10	1.96	996	<1	0.03	30	440	4	3.79	6	19
G276830		0.11	<10	<1	<0.01	<10	1.79	33	<1	0.03	<1	30	2	0.06	2	<1



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G276791		257	<20	0.01	<10	<10	20	<10	42
G276792		404	<20	0.01	<10	<10	27	<10	36
G276793		392	<20	0.01	<10	<10	23	<10	34
G276794		209	<20	0.01	<10	<10	25	<10	50
G276795		371	<20	0.01	<10	<10	23	<10	35
G276796		146	<20	0.02	<10	<10	164	<10	83
G276797		148	<20	0.01	<10	<10	155	<10	79
G276798		99	<20	0.42	<10	<10	263	<10	96
G276799		49	<20	0.60	<10	<10	183	<10	78
G276800		40	<20	0.11	<10	<10	48	40	49
G276801		65	<20	0.54	<10	<10	175	<10	69
G276802		339	<20	0.02	<10	<10	33	<10	56
G276803		163	<20	0.28	<10	<10	257	<10	101
G276804		323	<20	0.05	<10	<10	309	<10	98
G276805		321	<20	0.08	<10	<10	303	<10	101
G276806		43	<20	0.04	<10	<10	76	<10	51
G276807		226	<20	0.07	<10	<10	373	<10	120
G276808		1170	<20	0.01	<10	<10	5	<10	3
G276809		111	<20	0.02	<10	<10	472	<10	163
G276810		4680	20	0.01	<10	<10	7	<10	3
G276811		35	<20	0.02	<10	<10	65	<10	65
G276812		40	<20	0.02	<10	<10	44	<10	94
G276813		25	<20	0.01	<10	<10	10	<10	53
G276814		119	<20	0.04	<10	<10	310	<10	117
G276815		120	<20	0.04	<10	<10	301	<10	110
G276816		107	<20	0.02	<10	<10	120	<10	99
G276817		121	<20	0.02	<10	<10	60	<10	92
G276818		152	<20	0.01	<10	<10	20	<10	64
G276819		83	<20	0.01	<10	<10	44	<10	98
G276820		72	<20	0.02	10	<10	28	10	23
G276821		90	<20	0.02	<10	<10	180	<10	104
G276822		195	<20	0.01	<10	<10	51	<10	55
G276823		118	<20	0.04	<10	<10	292	<10	109
G276824		122	<20	0.05	<10	<10	304	<10	113
G276825		119	<20	0.06	<10	<10	315	<10	117
G276826		105	<20	0.01	<10	<10	175	<10	97
G276827		115	<20	0.02	<10	<10	257	<10	113
G276828		165	<20	0.02	<10	<10	51	<10	58
G276829		172	<20	0.01	<10	<10	31	<10	42
G276830		4700	20	0.01	<10	<10	3	<10	<2



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Sample Description	Method	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR															
G276831		5.05	<0.005		0.2	3.35	16	<10	<10	<0.5	2	5.21	<0.5	40	20	63
G276832		4.49	<0.005		0.2	4.06	<2	<10	<10	<0.5	2	5.29	<0.5	38	19	56
G276833		2.10	<0.005		0.2	4.85	3	<10	<10	<0.5	<2	5.39	<0.5	40	21	61
G276834		1.25	0.195		0.7	1.30	161	<10	10	<0.5	2	5.79	<0.5	34	10	48
G276835		2.09	2.35		1.0	0.40	>10000	<10	30	<0.5	2	5.01	<0.5	35	6	40
G276836		1.49	0.055		0.6	0.60	829	<10	30	<0.5	<2	4.45	<0.5	46	8	78
G276837		1.25	0.614		0.8	0.67	2410	<10	20	<0.5	<2	5.52	<0.5	38	8	72
G276838		4.10	0.444		0.3	0.52	3390	<10	30	<0.5	3	5.98	<0.5	33	8	54
G276839		5.41	>10.0	16.50	0.5	0.60	182	<10	20	<0.5	<2	5.67	<0.5	35	10	43
G276840		0.09	0.707		2.8	0.79	32	<10	70	<0.5	<2	2.03	0.8	8	34	7620
G276841		2.53	0.052		0.2	1.06	60	<10	50	<0.5	2	5.41	<0.5	34	34	56
G276842		4.11	0.009		0.5	4.43	11	<10	10	<0.5	2	5.78	<0.5	42	54	68
G276843		4.95	<0.005		0.3	1.61	25	<10	30	<0.5	4	5.33	<0.5	36	41	69
G276844		2.71	<0.005		<0.2	2.13	39	<10	<10	<0.5	<2	5.37	<0.5	32	35	84
G276845		4.43	<0.005		<0.2	2.90	31	<10	<10	<0.5	<2	5.33	<0.5	33	89	64
G276846		3.31	<0.005		0.3	3.12	60	<10	<10	<0.5	2	5.48	<0.5	36	107	77
G276847		1.34	<0.005		<0.2	3.59	71	<10	<10	<0.5	2	5.95	<0.5	33	107	52
G276848		2.85	0.051		0.2	0.76	429	<10	20	<0.5	<2	7.5	<0.5	34	36	51
G276849		3.83	<0.005		0.2	0.55	145	<10	<10	<0.5	<2	5.87	<0.5	37	22	68
G276850		0.35	<0.005		0.2	0.05	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	5
G276851		4.34	0.021		0.3	0.84	283	<10	10	<0.5	2	6.42	<0.5	34	21	69
G276852		4.03	<0.005		0.2	1.36	130	<10	<10	<0.5	<2	6.21	<0.5	40	49	69
G276853		1.84	0.005		<0.2	5.29	15	<10	<10	<0.5	2	5.46	<0.5	40	66	56
G276854		4.02	<0.005		0.3	3.00	31	<10	<10	0.5	<2	5.89	<0.5	40	31	64
G276855		3.57	<0.005		0.3	1.13	54	<10	10	<0.5	<2	5.11	<0.5	35	22	51
G276856		2.95	0.120		0.5	0.69	534	<10	10	<0.5	<2	5.52	<0.5	32	10	44
G276857		3.57	<0.005		0.2	0.99	5	<10	20	0.5	<2	4.30	<0.5	33	60	45
G276858		4.41	<0.005		0.4	1.17	17	<10	50	<0.5	2	4.53	<0.5	36	67	56
G276859		2.49	0.698		0.3	0.44	455	<10	30	<0.5	<2	5.77	<0.5	35	17	42
G276860		0.09	0.276		0.5	0.38	471	<10	970	<0.5	<2	1.05	<0.5	3	42	41
G276861		3.51	2.89		1.1	0.43	3710	10	50	<0.5	2	5.72	<0.5	38	13	32
G276862		1.32	4.15		1.7	0.32	>10000	<10	40	<0.5	3	6.16	<0.5	33	9	51
G276863		2.95	0.058		0.7	0.38	324	<10	30	<0.5	<2	5.30	<0.5	32	14	59
G276864		2.71	1.885		1.6	0.31	990	<10	40	<0.5	<2	6.66	<0.5	31	10	50
G276865		3.59	0.039		0.3	0.88	76	<10	20	<0.5	<2	7.4	<0.5	34	41	70
G276866		2.84	0.268		0.3	1.43	201	<10	10	<0.5	2	6.57	<0.5	34	39	68
G276867		2.52	<0.005		0.2	3.93	29	<10	<10	<0.5	<2	5.20	<0.5	39	74	74
G276868		5.47	0.197		0.2	1.34	456	<10	10	<0.5	3	6.22	<0.5	37	20	85
G276869		4.65	0.390		0.6	0.59	553	<10	30	<0.5	2	6.30	<0.5	31	9	61
G276870		0.39	<0.005		0.3	0.06	4	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	5

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**CERTIFICATE OF ANALYSIS TR12151800**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G276831		10.05	20	<1	<0.01	<10	3.02	1500	<1	0.03	34	900	<2	0.08	5	34
G276832		10.30	20	<1	<0.01	<10	3.00	1575	<1	0.03	29	1000	<2	0.02	<2	36
G276833		10.90	20	<1	<0.01	<10	3.27	1670	<1	0.02	34	1020	<2	0.03	<2	38
G276834		8.39	<10	<1	0.09	<10	2.75	1525	<1	0.02	33	800	<2	0.07	10	23
G276835		9.11	<10	<1	0.13	<10	2.66	1400	<1	0.02	31	650	<2	3.21	11	23
G276836		10.40	<10	<1	0.13	<10	3.25	1575	<1	0.03	42	870	<2	0.19	10	27
G276837		9.40	<10	<1	0.09	<10	2.94	1450	<1	0.03	37	620	<2	1.28	28	27
G276838		8.95	<10	<1	0.14	<10	2.86	1515	<1	0.04	31	770	<2	0.46	13	24
G276839		9.35	<10	<1	0.09	<10	2.94	1490	<1	0.05	33	800	<2	0.18	<2	27
G276840		7.24	<10	2	0.30	<10	0.93	988	9	0.06	16	680	24	2.91	26	4
G276841		8.67	<10	<1	0.01	<10	2.15	1550	<1	0.02	33	860	<2	0.29	5	33
G276842		9.40	20	<1	<0.01	<10	3.16	1530	<1	0.02	41	890	<2	0.32	<2	32
G276843		8.75	10	1	0.01	<10	2.35	1450	<1	0.02	38	750	<2	0.25	<2	33
G276844		7.85	10	<1	<0.01	<10	2.69	1300	<1	0.02	33	900	<2	0.26	2	28
G276845		7.44	10	<1	<0.01	<10	3.44	1270	<1	0.03	40	550	<2	0.09	<2	32
G276846		7.52	10	<1	<0.01	<10	3.69	1215	<1	0.04	46	530	<2	0.09	<2	34
G276847		8.90	10	<1	<0.01	<10	3.97	1360	<1	0.02	48	570	<2	0.10	<2	36
G276848		6.34	<10	1	0.10	<10	3.17	1270	<1	0.04	53	530	2	0.31	4	25
G276849		8.27	<10	<1	0.02	<10	3.93	1325	<1	0.09	50	540	<2	0.12	4	32
G276850		0.06	<10	<1	<0.01	<10	1.85	40	<1	0.02	1	30	<2	0.07	2	<1
G276851		7.85	<10	<1	0.06	<10	3.60	1270	<1	0.05	43	550	<2	0.20	12	28
G276852		7.93	<10	<1	0.03	<10	3.70	1390	<1	0.07	48	540	<2	0.08	5	31
G276853		10.40	20	1	<0.01	<10	3.30	1535	<1	0.02	34	1070	<2	0.36	<2	37
G276854		9.50	10	<1	<0.01	<10	2.26	1685	<1	0.01	32	1010	2	0.29	2	34
G276855		8.75	<10	<1	<0.01	<10	2.09	1780	<1	0.04	23	990	<2	0.31	3	29
G276856		9.33	<10	<1	0.05	<10	2.50	1635	<1	0.03	21	960	<2	0.44	<2	24
G276857		8.72	<10	<1	<0.01	<10	1.95	1350	1	0.01	35	850	<2	0.13	2	31
G276858		8.85	<10	<1	<0.01	<10	2.40	1350	<1	0.02	37	730	<2	0.18	<2	33
G276859		8.50	<10	<1	0.13	<10	3.01	1470	<1	0.02	35	650	<2	1.21	5	25
G276860		4.00	<10	4	0.07	<10	0.03	75	14	0.02	16	140	13	0.22	27	1
G276861		9.72	<10	<1	0.18	<10	3.20	1560	<1	0.02	39	640	<2	3.35	4	24
G276862		8.33	<10	<1	0.16	<10	2.84	1290	<1	0.02	38	560	2	4.77	12	19
G276863		7.55	<10	<1	0.14	<10	3.36	1405	<1	0.02	42	540	<2	0.42	9	23
G276864		6.72	<10	<1	0.15	<10	3.21	1565	<1	0.01	36	240	<2	3.35	10	26
G276865		6.73	<10	<1	0.08	<10	2.83	1520	<1	0.02	38	460	<2	0.12	3	30
G276866		6.69	<10	<1	0.08	<10	3.08	1430	<1	0.02	38	420	<2	0.63	2	29
G276867		8.27	10	<1	<0.01	<10	3.56	1525	<1	0.01	49	540	<2	0.04	2	36
G276868		7.97	<10	<1	0.06	<10	2.58	1650	<1	0.02	27	970	<2	0.53	2	28
G276869		7.19	<10	<1	0.12	<10	2.83	1335	<1	0.02	32	600	<2	0.93	3	21
G276870		0.08	<10	<1	<0.01	<10	1.61	34	<1	0.02	1	40	<2	0.06	2	<1

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**CERTIFICATE OF ANALYSIS TR12151800**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G276831		106	<20	0.01	<10	<10	295	<10	128
G276832		108	<20	0.04	<10	<10	337	<10	130
G276833		105	<20	0.05	<10	<10	345	<10	140
G276834		116	<20	<0.01	<10	<10	31	<10	94
G276835		185	<20	<0.01	<10	<10	28	<10	74
G276836		81	<20	<0.01	<10	<10	44	<10	123
G276837		148	<20	<0.01	<10	<10	35	<10	104
G276838		115	<20	<0.01	<10	<10	34	<10	85
G276839		82	<20	<0.01	<10	<10	41	<10	131
G276840		72	<20	0.05	<10	<10	46	<10	112
G276841		69	<20	<0.01	<10	<10	243	<10	96
G276842		122	<20	0.03	<10	<10	290	<10	111
G276843		76	<20	<0.01	<10	<10	237	<10	141
G276844		74	<20	<0.01	<10	<10	191	<10	89
G276845		64	<20	0.01	<10	<10	204	<10	91
G276846		49	<20	0.01	<10	<10	215	<10	83
G276847		83	<20	<0.01	<10	<10	222	<10	91
G276848		69	<20	<0.01	<10	<10	65	<10	73
G276849		58	<20	<0.01	<10	<10	39	<10	100
G276850		5190	20	<0.01	<10	<10	1	<10	<2
G276851		77	<20	<0.01	<10	<10	54	<10	85
G276852		74	<20	<0.01	<10	<10	98	<10	95
G276853		75	<20	0.06	<10	<10	387	<10	129
G276854		84	<20	0.01	<10	<10	305	<10	146
G276855		67	<20	<0.01	<10	<10	201	<10	124
G276856		83	<20	<0.01	<10	<10	78	<10	93
G276857		52	<20	<0.01	<10	<10	261	<10	119
G276858		55	<20	<0.01	<10	<10	284	<10	110
G276859		140	<20	<0.01	<10	<10	62	<10	78
G276860		75	<20	0.01	10	<10	29	10	23
G276861		194	<20	<0.01	<10	<10	40	<10	65
G276862		245	<20	<0.01	<10	<10	25	<10	49
G276863		130	<20	<0.01	<10	<10	27	<10	75
G276864		303	<20	<0.01	<10	<10	22	<10	40
G276865		83	<20	<0.01	<10	<10	104	<10	77
G276866		133	<20	<0.01	<10	<10	89	<10	75
G276867		108	<20	<0.01	<10	<10	227	<10	87
G276868		92	<20	<0.01	<10	<10	123	<10	113
G276869		126	<20	<0.01	<10	<10	32	<10	74
G276870		5080	20	<0.01	<10	<10	2	<10	10



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
G276871		4.93	1.055		0.5	0.44	424	<10	30	<0.5	<2	5.87	<0.5	33	9	65
G276872		2.86	0.093		0.3	0.55	192	<10	20	<0.5	<2	6.24	<0.5	32	13	44
G276873		1.91	0.069		0.5	0.49	174	<10	190	<0.5	3	6.29	<0.5	33	12	58
G276874		2.19	0.044		<0.2	1.60	115	<10	60	6.2	<2	6.18	<0.5	28	111	51
G276875		2.35	0.053		0.3	1.51	134	<10	60	6.5	2	6.50	<0.5	27	122	50
G276876		1.97	<0.005		<0.2	1.70	71	<10	30	3.4	<2	4.81	<0.5	28	197	49
G276877		1.00	1.260		0.6	1.14	>10000	<10	20	1.6	2	7.8	<0.5	33	9	102
G276878		4.24	0.068		0.2	0.99	160	<10	20	0.9	<2	5.55	<0.5	35	13	74
G276879		1.30	1.170		0.8	1.00	1240	<10	20	0.9	2	6.12	<0.5	39	8	61
G276880		0.09	10.0	10.00	0.7	1.54	4050	<10	50	0.5	2	0.82	<0.5	15	69	68
G276881		4.00	1.125		0.6	0.82	2400	<10	20	0.9	<2	7.2	<0.5	34	10	40
G276882		1.00	0.137		<0.2	0.14	50	<10	10	<0.5	<2	2.18	<0.5	5	8	10
G276883		3.27	1.960		0.8	0.35	774	<10	40	<0.5	<2	6.80	<0.5	32	6	56
G276884		3.17	0.283		0.8	0.44	272	<10	60	<0.5	2	7.7	2.1	27	14	48
G276885		4.37	1.815		0.7	0.62	1210	<10	30	<0.5	<2	6.71	<0.5	27	17	61
G276886		0.99	0.414		<0.2	2.53	217	<10	240	1.3	<2	7.9	<0.5	33	45	116
G276887		3.24	0.048		<0.2	2.92	52	<10	<10	0.6	2	6.40	<0.5	31	39	67
G276888		3.65	0.899		0.4	0.60	1750	<10	20	<0.5	<2	6.94	<0.5	34	14	47
G276889		4.36	0.018		0.2	2.47	262	<10	<10	<0.5	<2	6.31	<0.5	37	20	72
G276890		0.41	<0.005		<0.2	0.04	5	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	<1
G276891		3.45	<0.005		<0.2	3.65	23	<10	40	0.5	2	4.66	<0.5	40	17	62
G276892		3.78	0.014		<0.2	3.05	30	<10	20	0.7	2	6.19	<0.5	37	26	60
G276893		3.36	<0.005		<0.2	4.02	68	<10	40	0.5	3	7.7	<0.5	42	41	76
G276894		3.58	2.93		0.4	0.49	3500	<10	40	<0.5	2	8.1	<0.5	35	6	25
G276895		3.54	0.017		<0.2	0.52	113	<10	20	<0.5	2	6.27	<0.5	30	8	57
G276896		1.67	1.090		0.4	0.29	869	<10	60	<0.5	2	9.6	<0.5	34	6	71
G276897		2.55	1.555		0.3	0.94	237	<10	40	0.5	<2	9.2	<0.5	20	16	172
G276898		3.08	<0.005		<0.2	3.67	8	<10	70	<0.5	3	7.05	<0.5	32	60	72
G276899		4.79	<0.005		<0.2	3.44	6	<10	10	<0.5	2	6.81	<0.5	35	73	69
G276900		0.09	0.264		0.3	0.37	453	<10	790	<0.5	<2	1.07	<0.5	3	41	39
G276901		4.35	<0.005		<0.2	3.27	9	<10	20	0.5	3	6.67	<0.5	36	80	76
G276902		4.21	<0.005		<0.2	1.84	2	<10	40	1.3	2	8.8	<0.5	28	34	63
G276903		0.83	<0.005		<0.2	1.54	5	<10	80	1.2	2	8.9	<0.5	42	28	68
G276904		2.84	<0.005		<0.2	0.76	7	<10	50	<0.5	<2	5.45	<0.5	35	20	79
G276905		2.11	0.005		<0.2	0.71	14	<10	50	<0.5	2	4.01	<0.5	53	18	130
G276906		2.42	<0.005		<0.2	3.23	7	<10	40	<0.5	2	4.24	<0.5	38	34	55
G276907		3.54	<0.005		<0.2	3.11	<2	<10	80	<0.5	2	2.48	<0.5	33	35	58
G276908		4.93	<0.005		<0.2	2.28	2	<10	50	<0.5	<2	2.96	<0.5	38	24	59
G276909		4.30	0.013		<0.2	2.88	24	<10	40	0.8	<2	4.49	<0.5	46	23	55
G276910		0.39	<0.005		<0.2	0.07	<2	<10	<10	<0.5	<2	>25.0	<0.5	1	<1	<1

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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**CERTIFICATE OF ANALYSIS TR12151800**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G276871		7.59	<10	<1	0.11	<10	3.11	1355	<1	0.03	36	580	<2	0.77	2	25
G276872		7.90	<10	<1	0.11	<10	3.33	1575	<1	0.04	38	540	<2	0.39	4	28
G276873		7.43	<10	<1	0.08	<10	3.03	1445	<1	0.05	36	680	<2	0.18	5	26
G276874		4.88	10	1	0.03	50	2.38	1045	1	0.02	98	2510	22	0.31	4	18
G276875		5.11	<10	<1	0.03	50	2.38	1075	1	0.02	97	2750	20	0.33	6	17
G276876		3.16	10	1	0.02	110	0.97	636	2	0.01	151	5070	15	0.24	7	10
G276877		8.06	<10	<1	0.04	<10	2.30	1475	<1	0.02	40	670	12	2.40	5	23
G276878		7.88	<10	<1	0.08	<10	2.44	1595	<1	0.04	34	890	11	0.56	3	25
G276879		10.15	<10	<1	0.09	<10	3.28	1555	<1	0.02	33	840	<2	2.58	5	23
G276880		3.66	10	<1	0.15	10	0.87	396	6	0.07	63	490	6	0.89	34	5
G276881		8.47	<10	<1	0.10	<10	3.21	1445	<1	0.02	36	570	3	1.68	4	26
G276882		1.72	<10	<1	0.03	<10	0.51	351	<1	0.01	5	360	<2	0.16	<2	5
G276883		8.08	<10	<1	0.13	<10	3.05	1525	<1	0.02	28	600	<2	2.20	4	23
G276884		6.92	<10	<1	0.11	<10	2.60	1375	<1	0.02	34	730	<2	0.64	4	19
G276885		6.48	<10	<1	0.11	<10	2.45	1350	<1	0.03	30	630	<2	1.40	2	21
G276886		7.13	10	<1	0.07	<10	2.52	1330	<1	0.02	37	710	4	0.76	4	27
G276887		8.23	10	<1	0.04	<10	3.07	1500	<1	0.03	29	690	<2	0.39	<2	29
G276888		7.24	<10	<1	0.11	<10	2.86	1385	<1	0.02	45	510	<2	2.14	7	22
G276889		7.81	10	<1	0.01	<10	2.81	1370	<1	0.03	32	660	<2	0.31	3	29
G276890		0.05	<10	<1	0.01	<10	1.28	26	<1	0.01	4	40	<2	0.08	<2	<1
G276891		8.95	10	<1	0.01	<10	2.59	1405	<1	0.02	26	830	2	0.41	2	21
G276892		8.26	10	1	0.02	<10	2.36	1530	<1	0.02	29	740	3	0.48	2	25
G276893		8.09	20	1	0.01	<10	2.83	1395	<1	0.02	32	610	2	0.12	<2	31
G276894		10.35	<10	<1	0.13	<10	2.85	1460	<1	0.02	38	350	8	8.25	4	24
G276895		6.84	<10	<1	0.12	<10	2.71	1310	<1	0.03	26	500	3	0.21	2	23
G276896		6.87	<10	<1	0.18	<10	3.48	1775	2	0.02	37	420	3	3.57	2	23
G276897		4.79	<10	<1	0.10	<10	2.84	1735	1	0.02	21	1160	<2	1.00	<2	15
G276898		7.45	10	<1	0.01	<10	3.00	1525	<1	0.02	41	560	2	0.08	<2	30
G276899		7.04	10	<1	0.01	<10	2.86	1440	<1	0.03	43	530	3	0.19	<2	27
G276900		3.94	<10	4	0.09	10	0.03	74	14	0.03	15	140	15	0.21	28	1
G276901		7.54	10	1	0.01	<10	2.58	1375	<1	0.03	45	560	2	0.22	<2	28
G276902		7.50	10	<1	0.04	<10	1.32	1740	<1	0.03	26	660	5	0.11	2	27
G276903		4.53	10	<1	0.06	10	0.59	1465	<1	0.03	41	720	9	0.38	2	24
G276904		8.33	<10	<1	0.15	<10	2.56	2150	<1	0.01	32	520	2	0.10	3	21
G276905		5.93	<10	<1	0.19	10	1.88	2220	<1	0.01	70	580	2	0.13	2	17
G276906		8.44	10	<1	0.14	<10	3.61	2160	<1	0.02	38	750	2	0.13	3	27
G276907		6.55	10	1	0.10	<10	3.02	1390	1	0.03	31	760	3	0.02	<2	10
G276908		7.28	10	<1	0.06	<10	2.13	1795	<1	0.05	32	890	<2	<0.01	<2	12
G276909		9.40	10	1	0.17	<10	2.78	2120	<1	0.03	37	880	3	0.31	<2	23
G276910		0.10	<10	<1	<0.01	<10	1.85	44	<1	0.02	2	50	<2	0.07	<2	1



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**CERTIFICATE OF ANALYSIS TR12151800**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G276871		124	<20	<0.01	<10	<10	35	<10	71
G276872		112	<20	<0.01	<10	<10	44	<10	65
G276873		104	<20	<0.01	<10	<10	59	<10	86
G276874		417	40	<0.01	<10	<10	107	<10	85
G276875		418	40	<0.01	<10	<10	100	<10	86
G276876		662	90	0.01	<10	<10	73	<10	49
G276877		243	<20	<0.01	<10	<10	109	<10	78
G276878		166	<20	<0.01	<10	<10	97	<10	114
G276879		223	<20	<0.01	<10	<10	43	<10	68
G276880		38	<20	0.10	<10	<10	51	40	52
G276881		248	<20	<0.01	<10	<10	48	<10	58
G276882		44	<20	<0.01	<10	<10	9	<10	40
G276883		190	<20	<0.01	<10	<10	33	<10	65
G276884		168	<20	<0.01	<10	<10	31	<10	1000
G276885		163	<20	<0.01	<10	<10	48	<10	79
G276886		143	<20	<0.01	<10	<10	159	<10	95
G276887		92	<20	<0.01	<10	<10	161	<10	90
G276888		164	<20	<0.01	<10	<10	31	<10	58
G276889		81	<20	0.02	<10	<10	177	<10	98
G276890		4700	20	<0.01	<10	<10	1	<10	3
G276891		83	<20	0.03	<10	<10	247	<10	106
G276892		141	<20	0.01	<10	<10	227	<10	94
G276893		103	<20	0.02	<10	<10	259	<10	94
G276894		265	<20	<0.01	<10	<10	37	<10	41
G276895		78	<20	<0.01	<10	<10	33	<10	71
G276896		297	<20	<0.01	<10	<10	24	<10	31
G276897		319	<20	<0.01	<10	<10	69	<10	44
G276898		142	<20	0.03	<10	<10	255	<10	83
G276899		128	<20	0.02	<10	<10	225	<10	77
G276900		75	<20	0.01	10	<10	28	10	23
G276901		108	<20	0.02	<10	<10	238	<10	84
G276902		219	<20	0.01	<10	<10	215	<10	89
G276903		194	<20	0.01	<10	<10	184	<10	68
G276904		80	<20	<0.01	<10	<10	140	<10	109
G276905		76	<20	<0.01	<10	<10	92	<10	114
G276906		102	<20	0.04	<10	<10	212	<10	111
G276907		44	<20	0.63	<10	<10	198	<10	91
G276908		45	<20	0.72	<10	<10	250	<10	96
G276909		112	<20	0.35	<10	<10	244	<10	117
G276910		5460	20	0.01	<10	<10	3	<10	3



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**CERTIFICATE OF ANALYSIS TR12151800**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G276911		1.83	0.034		<0.2	3.16	22	<10	20	1.6	2	2.90	<0.5	51	21	60
G276912		3.00	0.030		<0.2	1.77	12	<10	30	1.1	2	8.3	<0.5	32	29	45
G276913		3.86	0.008		<0.2	2.38	11	<10	40	1.0	2	5.94	<0.5	33	26	58
G276914		2.48	<0.005		<0.2	3.47	<2	<10	290	0.6	3	2.92	<0.5	33	52	68
G276915		3.50	<0.005		<0.2	3.22	<2	<10	330	<0.5	<2	4.01	<0.5	36	53	78
G276916		3.24	<0.005		<0.2	2.48	<2	<10	390	<0.5	<2	2.14	<0.5	32	52	81

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**CERTIFICATE OF ANALYSIS TR12151800**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G276911		9.56	10	<1	0.13	<10	1.75	1060	<1	0.02	40	990	6	0.43	3	32
G276912		6.83	<10	<1	0.06	10	2.91	1790	<1	0.02	31	500	3	0.15	2	24
G276913		7.86	10	<1	0.24	<10	2.70	1845	<1	0.02	28	730	4	0.37	<2	30
G276914		9.17	10	<1	0.18	<10	2.68	1510	<1	0.08	33	720	2	0.03	<2	23
G276915		8.00	10	<1	0.16	<10	2.71	1540	<1	0.10	35	700	<2	<0.01	<2	21
G276916		6.74	10	<1	0.18	<10	2.21	1280	<1	0.13	31	720	<2	<0.01	<2	11

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**CERTIFICATE OF ANALYSIS TR12151800**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
		1	20	0.01	10	10	1	10	2
G276911		109	<20	0.01	<10	<10	283	<10	113
G276912		225	<20	<0.01	<10	<10	234	<10	95
G276913		186	<20	<0.01	<10	<10	142	<10	85
G276914		77	<20	0.14	<10	<10	236	<10	112
G276915		90	<20	0.27	<10	<10	232	<10	103
G276916		39	<20	0.56	<10	<10	180	<10	88

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**CERTIFICATE OF ANALYSIS TR12151800**

Method	CERTIFICATE COMMENTS
ME-ICP41	Uranium ICP-AES results reported below 250 ppm are considered to be semi-quantitative due to interference when Ce > 250 ppm





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**CERTIFICATE TR12181714**

Project: CMV12-01  
 P.O. No.: CMV12-01\_6  
 This report is for 2 Other samples submitted to our lab in Terrace, BC, Canada on 3-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
BAG-01	Bulk Master for Storage
SCR-21	Screen to -100 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12181714**

Sample Description	Method Analyte Units LOR	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
		Au Total ppm	Au (+) F ppm	Au (-) F ppm	Au (+) m mg	WT. + Fr g	WT. - Fr g	Au ppm	Au ppm
G276755		10.15	7.68	10.20	0.163	21.22	764.8	10.35	10.05
G276839		25.3	3280	3.86	13.964	4.25	646.0	3.68	4.04



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 North Vancouver BC V7H 0A7  
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 SUITE 200, 900 WEST HASTINGS STREET  
 VANCOUVER BC V6C 1E5

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 Finalized Date: 12-JUL-2012  
 Account: EIACMV

**CERTIFICATE TR12145849**

Project: CMV12-01  
 P.O. No.: CMV12-01\_7  
 This report is for 89 Drill Core samples submitted to our lab in Terrace, BC, Canada on 4-JUL-2012.  
 The following have access to data associated with this certificate:

DACRY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12145849**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G276951		1.34	1.030		<0.2	0.48	>10000	<10	40	<0.5	<2	6.36	2.7	34	6	18
G276952		0.86	0.671		0.4	0.81	487	<10	40	<0.5	<2	5.52	2.8	36	7	48
G276953		3.76	<0.005		<0.2	4.19	65	<10	10	0.7	<2	5.43	3.0	39	38	66
G276954		3.80	0.026		<0.2	4.99	193	<10	50	0.6	<2	5.33	3.1	39	41	65
G276955		4.14	0.443		0.2	2.56	1260	<10	20	<0.5	<2	6.10	2.7	33	27	62
G276956		0.62	0.583		0.2	0.11	808	<10	10	<0.5	<2	2.76	0.7	6	7	11
G276957		1.30	0.826		<0.2	0.71	467	<10	20	<0.5	<2	5.13	2.6	33	6	56
G276958		1.60	<0.005		<0.2	0.82	51	<10	10	<0.5	<2	5.38	2.7	36	8	52
G276959		1.22	2.59		0.9	0.36	>10000	<10	50	<0.5	<2	7.1	2.7	33	4	36
G276960		0.07	>10.0	9.76	0.7	1.53	4090	<10	60	0.5	<2	0.81	1.1	15	70	68
G276961		0.73	1.090		0.2	0.18	>10000	<10	30	<0.5	<2	2.78	1.2	14	8	24
G276962		1.14	1.320		0.6	1.63	4210	<10	50	<0.5	<2	6.5	2.7	39	16	49
G276963		4.51	0.067		<0.2	4.13	230	<10	10	<0.5	<2	5.97	2.8	37	39	55
G276964		1.43	>10.0	10.70	4.6	0.75	1310	<10	50	<0.5	<2	6.12	4.1	34	9	89
G276965		2.05	0.190		<0.2	0.85	133	<10	30	0.5	<2	6.45	2.6	35	16	82
G276966		4.33	0.005		<0.2	4.13	7	<10	10	0.5	<2	4.92	2.7	42	44	70
G276967		2.13	<0.005		0.3	4.39	31	<10	<10	<0.5	3	6.02	<0.5	37	42	63
G276968		1.87	<0.005		0.3	4.13	77	<10	<10	<0.5	<2	6.13	<0.5	41	40	70
G276969		0.74	2.86		1.5	0.37	>10000	<10	40	<0.5	<2	6.21	<0.5	35	6	42
G276970		0.37	<0.005		0.3	0.07	12	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	6
G276971		1.43	0.438		0.3	0.11	1600	<10	10	<0.5	<2	1.12	<0.5	6	10	10
G276972		0.76	2.65		2.2	0.49	1540	10	50	<0.5	<2	7.15	<0.5	37	6	66
G276973		2.10	0.005		0.5	2.71	69	<10	10	0.5	<2	7.10	<0.5	39	33	65
G276974		1.49	<0.005		0.4	4.40	11	<10	<10	<0.5	<2	6.62	<0.5	39	48	88
G276975		1.96	0.116		0.6	4.17	588	<10	<10	<0.5	<2	6.88	<0.5	40	46	66
G276976		4.88	<0.005		<0.2	3.61	23	<10	<10	<0.5	3	6.34	<0.5	35	62	77
G276977		1.10	0.018		0.2	1.89	123	<10	10	<0.5	2	6.87	<0.5	36	38	73
G276978		2.87	4.14		2.0	0.54	1250	<10	50	<0.5	2	5.93	<0.5	34	10	47
G276979		1.80	0.536		0.6	0.47	1500	<10	40	<0.5	2	7.6	<0.5	34	11	37
G276980		0.08	0.719		2.6	0.75	29	<10	70	<0.5	2	1.98	0.8	8	33	7270
G276981		5.78	0.867		0.5	0.51	2880	<10	40	<0.5	2	6.08	<0.5	29	12	47
G276982		3.61	0.065		<0.2	0.63	146	<10	20	<0.5	2	5.72	<0.5	36	13	58
G276983		1.58	1.170		1.9	0.42	2530	<10	40	<0.5	<2	8.9	<0.5	29	8	35
G276984		1.28	1.325		0.7	0.39	2880	<10	40	<0.5	2	6.67	<0.5	31	9	27
G276985		2.47	1.960		0.8	0.35	3100	<10	40	<0.5	2	5.57	<0.5	31	12	52
G276986		1.43	0.382		0.4	0.21	264	<10	30	<0.5	<2	5.17	<0.5	25	17	24
G276987		3.52	<0.005		0.6	5.21	9	<10	<10	<0.5	<2	5.85	<0.5	39	117	64
G276988		4.02	<0.005		<0.2	3.98	2	<10	<10	<0.5	<2	3.33	<0.5	38	119	72
G276989		3.99	<0.005		<0.2	3.67	2	<10	<10	<0.5	2	4.53	<0.5	38	113	69
G276990		0.34	<0.005		0.4	0.10	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	2	5



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12145849**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G276951		8.53	<10	<1	0.13	<10	2.62	1295	<1	0.02	31	550	4	3.65	5	22
G276952		8.74	<10	<1	0.13	<10	2.76	1365	<1	0.02	31	770	<2	1.19	<2	24
G276953		9.22	10	<1	0.02	<10	3.09	1440	<1	0.01	33	880	3	0.26	<2	34
G276954		9.62	20	<1	0.01	<10	3.02	1295	<1	0.01	34	880	3	0.26	<2	34
G276955		8.40	10	<1	0.08	<10	3.06	1525	<1	0.02	30	800	2	0.93	<2	29
G276956		2.22	<10	<1	0.04	<10	0.57	481	<1	0.01	6	230	<2	1.00	<2	6
G276957		7.97	<10	<1	0.10	<10	2.60	1415	<1	0.04	28	730	2	1.52	<2	25
G276958		8.35	<10	<1	0.08	<10	2.84	1445	<1	0.04	27	800	3	0.21	<2	26
G276959		8.22	<10	<1	0.15	<10	2.96	1505	<1	0.02	28	610	4	4.72	9	25
G276960		3.51	10	<1	0.16	10	0.86	405	6	0.06	66	490	9	0.89	35	5
G276961		3.99	<10	<1	0.10	<10	1.05	620	<1	0.01	14	130	3	2.17	4	9
G276962		8.40	10	<1	0.12	<10	2.96	1630	<1	0.01	32	790	4	3.31	5	29
G276963		8.90	20	<1	0.03	<10	3.16	1555	<1	0.02	33	880	2	0.15	<2	32
G276964		8.27	<10	<1	0.17	<10	2.56	1320	<1	0.02	30	570	4	5.65	12	26
G276965		8.53	<10	<1	0.11	<10	2.65	1850	<1	0.02	29	750	3	0.48	2	28
G276966		8.70	20	<1	0.02	<10	3.03	1525	<1	0.03	36	940	3	0.41	2	30
G276967		8.83	20	1	<0.01	<10	3.14	1525	<1	0.03	31	870	<2	0.16	2	33
G276968		9.41	10	1	<0.01	<10	3.11	1580	<1	0.02	34	930	<2	0.16	5	35
G276969		8.47	<10	1	0.13	<10	2.47	1365	<1	0.02	30	740	2	5.56	13	23
G276970		0.10	<10	<1	<0.01	<10	1.77	40	<1	0.02	2	40	<2	0.08	<2	<1
G276971		2.74	<10	<1	0.02	<10	0.40	275	<1	0.01	7	100	<2	1.80	2	4
G276972		8.55	<10	<1	0.19	<10	2.91	1645	<1	0.02	30	610	2	5.48	6	26
G276973		7.95	10	<1	0.02	<10	2.86	1495	<1	0.02	32	820	<2	0.23	4	33
G276974		8.69	20	<1	<0.01	<10	2.93	1455	1	0.02	33	890	<2	0.27	<2	33
G276975		8.86	10	1	<0.01	<10	2.89	1490	<1	0.02	36	880	<2	0.57	4	34
G276976		8.30	10	<1	0.03	<10	3.00	1525	<1	0.02	36	820	<2	0.22	5	31
G276977		7.27	10	1	0.08	<10	2.90	1665	<1	0.02	33	830	<2	0.21	3	28
G276978		8.88	<10	<1	0.19	<10	2.73	1305	<1	0.02	36	670	2	6.67	9	22
G276979		6.78	<10	<1	0.14	<10	3.18	1545	<1	0.02	30	650	<2	0.99	4	28
G276980		7.03	<10	3	0.29	<10	0.90	962	9	0.06	15	660	22	2.82	26	4
G276981		7.48	<10	<1	0.16	<10	2.98	1455	<1	0.02	32	720	2	1.65	3	25
G276982		8.66	<10	<1	0.12	<10	3.37	1565	<1	0.04	36	760	<2	0.20	3	27
G276983		7.24	<10	1	0.16	<10	3.23	1620	<1	0.02	30	620	<2	4.49	10	26
G276984		7.51	<10	<1	0.15	<10	2.98	1410	<1	0.02	33	610	2	3.98	6	22
G276985		7.98	<10	<1	0.15	<10	2.78	1280	<1	0.02	34	550	<2	3.49	6	22
G276986		6.25	<10	<1	0.09	<10	2.32	1140	<1	0.01	29	530	<2	0.80	3	19
G276987		9.75	20	<1	<0.01	<10	3.56	1505	<1	0.02	43	690	<2	0.21	2	31
G276988		8.68	10	<1	<0.01	<10	2.86	1240	<1	0.03	43	780	<2	0.23	4	19
G276989		7.74	10	<1	<0.01	<10	2.66	1265	<1	0.03	43	720	<2	0.22	2	22
G276990		0.13	<10	<1	<0.01	<10	2.00	32	<1	0.02	2	50	<2	0.08	2	<1



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12145849**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G276951		205	<20	<0.01	<10	<10	27	<10	45
G276952		137	<20	<0.01	<10	<10	36	<10	76
G276953		97	<20	0.02	<10	<10	276	<10	104
G276954		80	<20	0.04	<10	<10	324	<10	111
G276955		106	<20	<0.01	<10	<10	154	<10	92
G276956		72	<20	<0.01	<10	<10	9	<10	11
G276957		138	<20	<0.01	<10	<10	33	<10	80
G276958		68	<20	<0.01	<10	<10	34	<10	95
G276959		307	<20	<0.01	<10	<10	21	<10	57
G276960		39	<20	0.10	<10	<10	50	50	50
G276961		113	<20	<0.01	<10	<10	14	<10	19
G276962		228	<20	<0.01	<10	<10	107	<10	74
G276963		86	<20	0.02	<10	<10	271	<10	106
G276964		279	<20	<0.01	<10	<10	51	<10	340
G276965		112	<20	<0.01	<10	<10	105	<10	97
G276966		112	<20	0.05	<10	<10	286	<10	106
G276967		122	<20	0.02	<10	<10	317	<10	113
G276968		113	<20	0.01	<10	<10	300	<10	124
G276969		254	<20	<0.01	<10	<10	28	<10	58
G276970		5560	30	<0.01	<10	<10	2	<10	3
G276971		51	<20	<0.01	<10	<10	7	<10	12
G276972		277	<20	<0.01	<10	<10	32	<10	65
G276973		125	<20	<0.01	<10	<10	215	<10	107
G276974		123	<20	0.02	<10	<10	305	<10	107
G276975		130	<20	0.02	<10	<10	302	<10	107
G276976		112	<20	0.01	<10	<10	219	<10	97
G276977		121	<20	<0.01	<10	<10	121	<10	108
G276978		244	<20	<0.01	<10	<10	32	<10	56
G276979		212	<20	<0.01	<10	<10	38	<10	57
G276980		68	<20	0.04	<10	<10	43	<10	106
G276981		173	<20	<0.01	<10	<10	40	<10	59
G276982		88	<20	<0.01	<10	<10	50	<10	89
G276983		344	<20	<0.01	<10	<10	34	<10	40
G276984		264	<20	<0.01	<10	<10	31	<10	54
G276985		220	<20	<0.01	<10	<10	31	<10	53
G276986		151	<20	<0.01	<10	<10	22	<10	59
G276987		100	<20	0.02	<10	<10	311	<10	110
G276988		78	<20	0.25	<10	<10	254	<10	107
G276989		78	<20	0.23	<10	<10	255	<10	94
G276990		5330	20	<0.01	<10	<10	4	<10	<2



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**CERTIFICATE OF ANALYSIS TR12145849**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
G276991		1.16	0.005		0.4	2.37	70	<10	10	<0.5	<2	8.8	<0.5	38	50	53
G276992		1.79	0.012		<0.2	3.72	74	<10	<10	<0.5	2	6.49	<0.5	36	84	48
G276993		3.44	1.205		2.2	0.37	1030	<10	30	<0.5	2	6.44	<0.5	34	11	39
G276994		2.88	0.177		0.3	0.65	138	<10	20	<0.5	<2	5.51	<0.5	33	16	62
G276995		2.16	3.80		1.3	0.36	4790	<10	50	<0.5	2	5.59	<0.5	37	11	31
G276996		2.12	0.074		<0.2	0.46	186	<10	20	<0.5	<2	5.68	<0.5	35	19	48
G276997		3.55	0.044		0.3	0.62	199	<10	10	<0.5	<2	6.05	<0.5	31	25	67
G276998		0.79	0.029		0.2	0.40	219	<10	10	<0.5	<2	4.32	<0.5	20	17	26
G276999		3.47	0.009		<0.2	0.57	319	<10	10	<0.5	<2	7.3	<0.5	33	24	60
G277000		0.08	3.41		4.0	1.60	289	<10	360	<0.5	<2	1.41	1.6	9	57	78
G277001		3.41	0.046		0.3	0.72	473	<10	10	<0.5	3	6.78	<0.5	33	28	65
G277002		3.65	0.178		0.4	0.41	174	<10	30	<0.5	2	5.99	<0.5	32	18	51
G277003		2.36	3.09		0.3	0.35	309	<10	30	<0.5	<2	6.5	<0.5	30	14	55
G277004		0.85	0.722		0.2	0.41	637	<10	50	<0.5	<2	6.8	<0.5	33	13	42
G277005		4.43	0.274		0.2	0.44	397	<10	30	<0.5	<2	6.7	<0.5	33	25	56
G277006		0.87	0.100		<0.2	1.99	85	<10	20	<0.5	<2	5.87	<0.5	34	96	110
G277007		1.41	0.806		0.3	0.85	239	<10	30	<0.5	<2	6.9	<0.5	30	34	57
G277008		2.86	0.073		<0.2	0.40	124	<10	30	<0.5	<2	6.76	<0.5	34	14	58
G277009		0.79	0.122		<0.2	0.39	201	<10	30	<0.5	<2	7.1	<0.5	29	18	16
G277010		0.32	<0.005		<0.2	0.05	<2	<10	10	<0.5	<2	>25.0	<0.5	1	<1	<1
G277011		5.71	0.016		<0.2	0.52	145	<10	20	<0.5	<2	6.59	<0.5	35	27	56
G277012		5.69	0.021		<0.2	0.48	156	<10	30	<0.5	<2	7.1	<0.5	34	31	56
G277013		0.70	0.959		0.3	0.48	1170	<10	60	<0.5	<2	6.8	<0.5	28	20	34
G277014		1.41	0.013		<0.2	0.79	230	<10	30	<0.5	<2	8.2	<0.5	33	42	63
G277015		2.50	0.317		0.3	1.34	309	<10	50	0.6	<2	8.3	<0.5	35	59	57
G277016		2.74	0.143		<0.2	1.25	896	<10	50	<0.5	<2	10.3	<0.5	34	48	48
G277017		5.46	<0.005		<0.2	3.62	2	<10	610	<0.5	<2	6.45	<0.5	36	48	68
G277018		1.19	<0.005		<0.2	3.87	<2	<10	870	<0.5	<2	6.11	<0.5	42	53	86
G277019		2.07	0.177		<0.2	1.43	277	<10	60	0.5	<2	8.5	<0.5	34	61	60
G277020		0.07	0.703		2.5	0.75	30	<10	90	<0.5	<2	2.03	0.5	9	34	7410
G277021		1.49	0.017		<0.2	3.65	14	<10	440	0.6	<2	6.67	<0.5	33	42	67
G277022		5.28	<0.005		<0.2	3.23	3	<10	290	<0.5	<2	3.20	<0.5	42	45	96
G277023		4.97	<0.005		<0.2	3.69	<2	<10	450	0.5	<2	3.19	<0.5	41	49	60
G277024		2.24	<0.005		<0.2	3.02	<2	<10	260	<0.5	<2	4.56	<0.5	36	35	122
G277025		2.84	<0.005		<0.2	3.11	<2	<10	240	<0.5	<2	3.26	<0.5	36	39	61
G277026		4.90	<0.005		<0.2	3.19	3	<10	720	<0.5	<2	3.70	<0.5	39	43	77
G277027		3.40	<0.005		<0.2	2.87	<2	<10	490	<0.5	<2	3.33	<0.5	30	38	71
G276739		3.81	<0.005		<0.2	4.76	<2	<10	120	<0.5	<2	5.99	<0.5	40	81	67
G276740		0.08	3.42		4.4	1.64	300	<10	500	<0.5	<2	1.43	1.6	10	60	81
G276741		3.65	0.715		<0.2	2.57	2470	<10	30	<0.5	<2	7.25	<0.5	33	47	44



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**CERTIFICATE OF ANALYSIS TR12145849**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G276991		8.14	<10	<1	0.05	<10	3.02	1695	<1	0.03	39	650	<2	0.30	3	27
G276992		9.52	10	<1	0.01	<10	3.35	1555	<1	0.02	40	630	<2	0.20	<2	29
G276993		8.30	<10	<1	0.14	<10	2.94	1495	<1	0.02	36	540	2	4.33	6	24
G276994		7.80	<10	<1	0.13	<10	3.07	1420	<1	0.03	36	690	<2	0.45	3	24
G276995		8.67	<10	1	0.17	<10	2.56	1250	<1	0.02	47	360	2	6.66	7	19
G276996		8.13	<10	<1	0.11	<10	3.30	1495	<1	0.06	46	650	<2	0.40	4	26
G276997		7.70	<10	<1	0.08	<10	3.31	1390	<1	0.07	44	660	<2	0.22	<2	25
G276998		5.06	<10	<1	0.05	<10	2.13	940	<1	0.03	29	770	<2	0.15	7	14
G276999		7.41	<10	<1	0.06	<10	3.49	1400	<1	0.08	53	690	<2	0.16	<2	23
G277000		3.54	<10	5	0.13	<10	0.84	477	13	0.08	40	810	300	0.65	27	5
G277001		7.59	<10	<1	0.08	<10	3.30	1390	<1	0.07	53	790	<2	0.26	3	23
G277002		7.82	<10	<1	0.15	<10	3.19	1400	<1	0.03	39	610	<2	0.68	<2	24
G277003		7.12	<10	<1	0.13	<10	2.99	1355	<1	0.03	40	450	<2	0.95	3	22
G277004		7.91	<10	<1	0.17	<10	3.30	1490	<1	0.02	38	430	<2	3.37	6	23
G277005		7.12	<10	<1	0.12	<10	3.39	1355	<1	0.04	48	590	<2	0.82	5	22
G277006		6.11	10	1	0.04	<10	2.96	1350	<1	0.03	48	800	<2	0.40	5	35
G277007		7.07	<10	<1	0.12	<10	3.13	1345	<1	0.02	37	680	<2	1.11	5	28
G277008		7.75	<10	<1	0.12	<10	3.36	1440	<1	0.05	32	710	<2	0.28	3	26
G277009		7.22	<10	<1	0.13	<10	3.30	1355	<1	0.04	33	640	<2	0.46	<2	25
G277010		0.07	<10	<1	<0.01	<10	1.91	24	<1	0.01	<1	40	<2	0.06	<2	<1
G277011		7.39	<10	<1	0.11	<10	3.13	1365	<1	0.07	46	690	<2	0.17	2	26
G277012		7.44	<10	<1	0.13	<10	3.43	1485	<1	0.05	49	700	<2	0.18	2	25
G277013		6.56	<10	<1	0.17	<10	2.67	1330	<1	0.03	42	560	<2	2.13	6	19
G277014		7.17	<10	<1	0.10	<10	3.10	1615	<1	0.06	47	660	<2	0.14	<2	26
G277015		7.25	<10	<1	0.13	<10	2.71	1620	<1	0.04	47	640	<2	0.75	5	29
G277016		6.34	<10	1	0.11	<10	2.49	1630	<1	0.04	42	580	<2	0.55	3	25
G277017		9.67	10	<1	0.21	<10	2.84	1470	<1	0.08	29	690	<2	0.05	2	28
G277018		9.77	10	<1	0.15	<10	3.08	1560	<1	0.09	34	630	<2	0.02	3	22
G277019		6.80	<10	<1	0.11	<10	2.25	1680	<1	0.04	37	640	<2	0.50	4	29
G277020		7.04	<10	2	0.30	<10	0.91	1010	8	0.06	14	660	21	3.30	26	4
G277021		8.77	10	<1	0.17	<10	2.73	1315	<1	0.06	30	790	<2	0.10	2	32
G277022		7.41	10	<1	0.12	<10	2.34	933	<1	0.07	41	900	<2	0.10	<2	17
G277023		8.21	10	<1	0.14	<10	2.87	1050	<1	0.08	36	890	<2	0.07	<2	24
G277024		7.21	10	<1	0.10	<10	2.48	1130	<1	0.06	31	830	<2	0.07	<2	16
G277025		6.89	10	<1	0.10	<10	2.66	897	<1	0.06	31	870	<2	0.03	<2	17
G277026		7.26	10	1	0.14	<10	2.83	1195	<1	0.10	34	800	<2	0.01	2	16
G277027		6.18	10	<1	0.13	<10	2.31	1005	<1	0.08	26	750	<2	0.01	2	11
G276739		8.60	20	<1	0.03	<10	3.40	1515	<1	0.03	45	740	<2	0.07	2	34
G276740		3.57	10	5	0.15	10	0.84	504	13	0.08	40	790	303	0.75	29	5
G276741		7.90	10	<1	0.09	<10	2.55	1545	<1	0.03	42	630	<2	0.98	<2	31





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**CERTIFICATE OF ANALYSIS TR12145849**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G276991		124	<20	0.01	<10	<10	110	<10	90
G276992		86	<20	0.05	<10	<10	219	<10	96
G276993		255	<20	<0.01	<10	<10	28	10	54
G276994		89	<20	<0.01	<10	<10	42	<10	89
G276995		201	<20	<0.01	<10	<10	25	<10	65
G276996		99	<20	<0.01	<10	<10	37	<10	96
G276997		76	<20	<0.01	<10	<10	47	<10	86
G276998		71	<20	<0.01	<10	<10	25	<10	50
G276999		79	<20	<0.01	<10	<10	37	<10	85
G277000		37	<20	0.10	10	<10	63	<10	276
G277001		89	<20	<0.01	<10	<10	46	<10	85
G277002		126	<20	<0.01	<10	<10	39	<10	83
G277003		149	<20	<0.01	<10	<10	37	<10	89
G277004		232	<20	<0.01	<10	<10	36	<10	59
G277005		114	<20	<0.01	<10	<10	39	<10	77
G277006		50	<20	<0.01	<10	<10	164	<10	96
G277007		141	<20	<0.01	<10	<10	78	<10	81
G277008		98	<20	<0.01	<10	<10	46	<10	77
G277009		160	<20	<0.01	<10	<10	42	<10	58
G277010		5540	20	<0.01	<10	10	1	<10	2
G277011		93	<20	<0.01	<10	<10	52	<10	86
G277012		116	<20	<0.01	<10	<10	50	<10	79
G277013		145	<20	<0.01	<10	<10	41	<10	72
G277014		98	<20	<0.01	<10	<10	87	<10	85
G277015		129	<20	<0.01	<10	<10	135	<10	92
G277016		142	<20	<0.01	<10	<10	117	<10	80
G277017		132	<20	0.22	<10	<10	269	<10	105
G277018		92	<20	0.56	<10	<10	302	<10	129
G277019		120	<20	<0.01	<10	<10	157	<10	100
G277020		73	<20	0.05	<10	<10	45	<10	110
G277021		176	<20	0.16	<10	<10	257	<10	121
G277022		60	<20	0.59	<10	<10	234	<10	108
G277023		72	<20	0.38	<10	<10	282	<10	119
G277024		70	<20	0.68	<10	<10	244	<10	96
G277025		62	<20	0.75	<10	<10	243	<10	101
G277026		52	<20	0.85	<10	<10	243	<10	106
G277027		42	<20	0.97	<10	<10	211	<10	89
G276739		93	<20	0.16	<10	<10	286	<10	104
G276740		40	<20	0.10	<10	<10	65	<10	300
G276741		97	<20	0.02	<10	<10	175	<10	89



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**CERTIFICATE OF ANALYSIS TR12145849**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G276742		4.25	1.205		<0.2	0.73	2960	<10	60	<0.5	<2	7.3	<0.5	38	16	42
G276743		5.40	0.015		<0.2	2.51	69	<10	20	<0.5	<2	7.0	<0.5	36	38	76
G276744		1.41	1.430		0.4	0.38	5630	<10	40	<0.5	<2	7.5	<0.5	35	8	43
G276745		3.63	0.058		0.2	1.20	157	<10	30	<0.5	<2	6.36	<0.5	38	14	58
G276746		2.18	1.490		1.1	0.59	5910	<10	50	<0.5	<2	7.2	<0.5	35	10	81
G276747		3.12	0.081		<0.2	2.63	109	<10	30	<0.5	<2	6.8	<0.5	37	40	74
G276748		5.04	1.305		0.3	0.72	1270	<10	50	<0.5	<2	6.66	<0.5	38	12	48
G276749		1.08	0.289		0.2	0.64	340	<10	50	<0.5	<2	5.84	<0.5	35	10	120
G276750		0.36	<0.005		0.2	0.04	5	<10	10	<0.5	<2	>25.0	<0.5	1	<1	6



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**CERTIFICATE OF ANALYSIS TR12145849**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G276742		7.51	<10	<1	0.18	<10	3.09	1725	<1	0.03	43	710	<2	1.94	2	29
G276743		8.38	10	<1	0.08	<10	3.39	1605	<1	0.04	35	670	<2	0.11	2	34
G276744		7.74	<10	<1	0.16	<10	3.20	1495	<1	0.02	32	550	<2	3.23	13	26
G276745		8.70	<10	<1	0.14	<10	3.46	1535	<1	0.05	37	680	<2	0.22	12	31
G276746		7.35	<10	<1	0.17	<10	2.85	1350	<1	0.03	34	400	<2	2.83	7	22
G276747		8.35	10	<1	0.11	<10	3.41	1625	<1	0.03	35	660	<2	0.22	<2	32
G276748		8.31	<10	<1	0.18	<10	3.13	1555	<1	0.03	32	650	<2	1.99	<2	28
G276749		9.28	<10	<1	0.17	<10	2.95	1615	<1	0.03	29	830	<2	1.88	2	28
G276750		0.05	<10	<1	0.01	<10	1.77	19	<1	0.03	4	30	2	0.11	<2	<1



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**CERTIFICATE OF ANALYSIS TR12145849**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
		1	20	0.01	10	10	1	10	2
G276742		189	<20	<0.01	<10	<10	41	<10	127
G276743		92	<20	<0.01	<10	<10	137	<10	100
G276744		249	<20	<0.01	<10	<10	24	<10	57
G276745		116	<20	<0.01	<10	<10	40	<10	95
G276746		231	<20	<0.01	<10	<10	27	<10	84
G276747		114	<20	<0.01	<10	<10	125	<10	96
G276748		172	<20	<0.01	<10	<10	43	<10	76
G276749		129	<20	<0.01	<10	<10	49	<10	61
G276750		5350	20	<0.01	<10	10	1	<10	4



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**CERTIFICATE TR12162300**

Project: CMV12-01  
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 This report is for 1 Crushed Core sample submitted to our lab in Terrace, BC, Canada on 13-JUL-2012.  
 The following have access to data associated with this certificate:

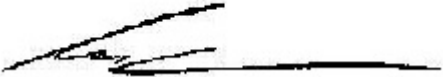
DACRY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
SCR-21	Screen to -100 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12162300**

Sample Description	Method Analyte Units LOR	Au-SCR24 Au Total ppm	Au-SCR24 Au (+) F ppm	Au-SCR24 Au (-) F ppm	Au-SCR24 Au (+) m mg	Au-SCR24 WT. + Fr g	Au-SCR24 WT. - Fr g	Au-AA26 Au ppm	Au-AA26D Au ppm
G276964		10.30	38.5	8.92	0.383	9.94	199.8	8.57	9.27



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**CERTIFICATE TR12157935**

Project: CMV12-01  
 P.O. No.: CMV12-01\_10  
 This report is for 43 Drill Core samples submitted to our lab in Terrace, BC, Canada on 11-JUL-2012.  
 The following have access to data associated with this certificate:

DACRY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12157935**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G277028		4.15	0.053		0.2	2.35	14	<10	150	<0.5	<2	4.94	<0.5	32	4	89
G277029		4.99	0.131		0.3	3.62	34	<10	240	<0.5	<2	4.77	<0.5	35	3	45
G277030		0.33	0.964		<0.2	0.03	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	<1
G277031		4.35	0.043		0.3	1.74	85	<10	110	<0.5	<2	3.81	<0.5	37	2	57
G277032		4.07	0.005		0.2	1.26	64	<10	90	<0.5	<2	4.23	<0.5	42	2	142
G277033		4.87	0.009		<0.2	1.34	55	<10	90	<0.5	<2	7.3	<0.5	30	8	52
G277034		4.03	0.014		0.2	1.87	29	<10	50	0.6	<2	6.51	<0.5	32	37	53
G277035		3.15	0.005		0.2	2.72	35	<10	30	<0.5	<2	8.2	<0.5	33	67	70
G277036		2.38	<0.005		<0.2	3.85	4	<10	<10	<0.5	<2	3.17	<0.5	32	120	70
G276917		2.97	1.265		0.3	1.46	553	<10	10	<0.5	<2	5.53	<0.5	28	20	42
G276918		3.77	0.853		0.5	1.20	967	<10	40	<0.5	<2	5.52	<0.5	34	21	43
G276919		2.10	3.05		1.1	0.46	1510	<10	10	<0.5	<2	1.75	<0.5	18	12	7
G276920		0.06	3.33		4.0	1.47	281	<10	380	<0.5	<2	1.29	1.4	9	55	73
G276921		3.04	0.831		0.2	0.92	544	<10	20	<0.5	<2	6.01	<0.5	30	20	47
G276922		1.04	1.815		0.4	0.11	853	<10	<10	<0.5	<2	1.20	1.5	8	11	4
G276923		0.79	0.666		0.7	0.83	1010	<10	40	<0.5	<2	6.14	<0.5	34	17	30
G276924		1.52	2.71		0.7	0.47	1480	<10	10	<0.5	<2	3.16	<0.5	16	14	11
G276925		1.36	5.37	5.03	1.0	0.58	2740	<10	10	<0.5	<2	2.21	<0.5	18	16	20
G276926		1.68	0.461		0.6	0.62	443	<10	30	<0.5	<2	5.94	<0.5	30	13	55
G276927		0.86	0.493		0.3	0.27	391	<10	10	<0.5	<2	2.90	<0.5	11	13	6
G276928		1.61	1.095		0.7	0.61	1125	10	40	<0.5	<2	5.95	<0.5	31	13	47
G276929		0.74	0.544		0.3	0.32	463	<10	20	<0.5	<2	3.65	<0.5	15	13	9
G276930		0.32	<0.005		<0.2	0.05	6	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	<1
G276931		3.29	0.342		0.5	0.57	636	<10	30	<0.5	<2	6.7	<0.5	27	12	41
G276932		3.77	0.870		0.4	0.61	552	<10	30	<0.5	<2	5.91	<0.5	22	13	24
G276933		4.17	0.186		0.2	0.78	205	<10	40	<0.5	<2	6.13	<0.5	27	16	58
G276934		2.45	1.035		0.5	0.29	519	<10	30	<0.5	<2	2.34	<0.5	11	14	5
G276935		3.29	0.780		0.4	1.03	1055	<10	50	<0.5	<2	6.23	<0.5	26	18	30
G276936		1.48	0.879		0.4	1.03	333	<10	60	<0.5	<2	5.84	<0.5	32	19	62
G276937		4.79	0.114		0.3	1.86	264	<10	30	0.5	<2	4.88	<0.5	30	23	53
G276938		2.50	<0.005		<0.2	0.02	5	<10	<10	<0.5	<2	0.25	<0.5	<1	15	<1
G276939		4.94	0.106		0.4	1.23	307	<10	40	<0.5	<2	7.0	<0.5	29	14	58
G276940		0.07	9.53	9.90	0.7	1.51	3920	<10	50	0.5	<2	0.80	<0.5	13	68	64
G276941		2.13	0.008		0.2	3.97	29	<10	<10	<0.5	<2	7.6	<0.5	32	22	64
G276942		3.87	0.011		0.2	0.54	3	<10	1800	<0.5	<2	0.24	<0.5	4	16	46
G276943		5.29	0.014		0.3	0.74	2	<10	1680	<0.5	<2	0.28	<0.5	4	15	85
G276944		2.23	0.017		<0.2	1.61	4	<10	250	<0.5	<2	8.7	<0.5	18	9	163
G276945		1.97	0.025		<0.2	2.08	44	<10	820	<0.5	<2	3.01	<0.5	25	17	75
G276946		1.27	0.308		0.2	1.13	469	<10	170	<0.5	<2	6.33	<0.5	25	10	29
G276947		1.65	0.012		0.2	3.59	5	<10	930	<0.5	<2	4.28	<0.5	40	26	81





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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12157935**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G277028		9.44	10	1	0.11	<10	2.55	1895	<1	0.03	19	1070	<2	0.10	<2	25
G277029		10.95	10	<1	0.15	<10	2.89	2400	<1	0.02	17	1370	<2	0.41	3	30
G277030		0.05	<10	<1	<0.01	<10	1.75	25	<1	0.02	<1	40	<2	0.13	<2	<1
G277031		10.75	<10	<1	0.12	<10	2.27	2240	<1	0.01	15	1120	<2	0.20	2	30
G277032		11.00	<10	1	0.10	<10	1.92	1975	<1	0.01	19	1070	<2	0.26	3	28
G277033		9.58	<10	<1	0.10	<10	2.23	1640	<1	0.01	20	960	<2	0.17	2	26
G277034		7.62	10	<1	0.08	<10	2.14	1535	<1	0.01	35	680	<2	0.16	3	29
G277035		6.83	10	1	0.09	<10	2.86	1465	<1	0.02	41	480	<2	0.15	<2	27
G277036		6.76	10	1	0.02	<10	3.12	1245	<1	0.05	41	600	<2	0.18	4	22
G276917		8.02	<10	<1	0.08	<10	2.06	1455	<1	0.01	22	810	<2	1.65	4	24
G276918		8.55	<10	<1	0.09	<10	2.20	1505	<1	0.02	32	730	<2	2.85	8	26
G276919		9.81	<10	1	0.05	<10	0.48	350	<1	0.01	26	90	4	>10.0	17	5
G276920		3.24	<10	5	0.14	<10	0.78	448	12	0.07	38	740	280	0.66	27	4
G276921		6.65	<10	<1	0.10	<10	2.71	1315	<1	0.02	34	410	<2	1.94	4	25
G276922		4.13	<10	<1	0.02	<10	0.39	283	<1	<0.01	14	420	<2	3.92	4	4
G276923		8.10	<10	1	0.16	<10	2.76	1350	<1	0.02	41	320	3	5.85	8	26
G276924		5.51	<10	1	0.06	<10	1.19	651	<1	0.01	22	130	<2	4.40	9	11
G276925		7.09	<10	1	0.06	<10	0.92	504	<1	0.01	26	190	<2	6.53	11	9
G276926		6.71	<10	<1	0.12	<10	2.95	1440	<1	0.02	33	420	2	2.16	4	25
G276927		3.66	<10	<1	0.07	<10	1.24	727	<1	0.01	13	150	<2	2.48	2	10
G276928		7.68	<10	<1	0.13	<10	2.78	1410	<1	0.02	35	380	2	5.08	9	24
G276929		4.37	<10	<1	0.09	<10	1.35	731	<1	0.01	21	130	<2	3.07	7	11
G276930		0.06	<10	1	0.01	<10	2.13	62	<1	0.02	1	30	<2	0.10	<2	<1
G276931		6.26	<10	1	0.13	<10	2.97	1375	<1	0.02	32	430	2	1.57	2	23
G276932		5.84	<10	<1	0.12	<10	2.45	1215	<1	0.02	26	520	2	2.32	3	20
G276933		5.90	<10	<1	0.11	<10	2.71	1400	<1	0.02	30	550	<2	1.06	4	25
G276934		4.10	<10	1	0.05	<10	0.64	466	<1	0.01	20	150	<2	3.21	9	6
G276935		6.80	<10	<1	0.19	<10	2.56	1240	<1	0.02	32	300	<2	3.11	7	23
G276936		6.65	<10	<1	0.20	<10	2.62	1260	<1	0.02	35	540	2	1.66	3	25
G276937		7.44	<10	<1	0.09	<10	2.15	1115	<1	0.02	28	670	<2	0.67	4	27
G276938		0.73	<10	<1	<0.01	<10	0.08	93	<1	<0.01	1	20	<2	0.03	<2	<1
G276939		6.98	<10	1	0.12	<10	2.80	1355	<1	0.02	26	570	<2	0.48	2	21
G276940		3.44	<10	1	0.17	10	0.85	383	6	0.07	60	470	6	0.91	35	5
G276941		8.31	10	1	0.01	<10	2.85	1670	<1	0.03	24	680	<2	0.16	4	30
G276942		1.25	<10	<1	0.07	10	0.39	177	<1	<0.01	18	70	3	0.23	<2	2
G276943		1.34	<10	<1	0.12	10	0.59	218	<1	<0.01	17	80	5	0.21	<2	2
G276944		5.07	<10	<1	0.05	<10	1.25	1480	<1	0.03	10	530	<2	0.24	<2	9
G276945		8.30	10	<1	0.19	<10	2.02	1295	<1	0.08	22	840	<2	0.30	<2	19
G276946		6.92	<10	<1	0.25	<10	2.20	1785	<1	0.02	19	820	5	2.91	3	17
G276947		11.30	20	1	0.15	<10	2.95	1785	<1	0.05	39	800	3	0.08	3	26



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**CERTIFICATE OF ANALYSIS TR12157935**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G277028		176	<20	0.01	<10	<10	163	<10	138
G277029		177	<20	0.01	<10	<10	206	<10	148
G277030		5220	20	<0.01	<10	10	<1	<10	<2
G277031		103	<20	<0.01	<10	<10	148	<10	136
G277032		74	<20	<0.01	<10	<10	184	<10	144
G277033		120	<20	<0.01	<10	<10	150	<10	116
G277034		107	<20	<0.01	<10	<10	184	<10	96
G277035		120	<20	0.01	<10	<10	156	<10	73
G277036		32	<20	0.52	<10	<10	252	<10	79
G276917		118	<20	0.01	<10	<10	131	<10	97
G276918		129	<20	<0.01	<10	<10	119	<10	87
G276919		34	<20	<0.01	<10	<10	33	<10	9
G276920		37	<20	0.09	<10	<10	60	<10	276
G276921		140	<20	<0.01	<10	<10	75	<10	236
G276922		37	<20	<0.01	<10	<10	9	<10	650
G276923		204	<20	<0.01	<10	<10	67	<10	63
G276924		95	<20	<0.01	<10	<10	35	<10	18
G276925		65	<20	<0.01	<10	<10	37	<10	51
G276926		170	<20	<0.01	<10	<10	58	<10	69
G276927		104	<20	<0.01	<10	<10	22	<10	12
G276928		217	<20	<0.01	<10	<10	51	<10	64
G276929		112	<20	<0.01	<10	<10	27	<10	18
G276930		4850	20	<0.01	<10	10	<1	<10	<2
G276931		161	<20	<0.01	<10	<10	52	<10	64
G276932		165	<20	<0.01	<10	<10	47	<10	55
G276933		122	<20	<0.01	<10	<10	68	<10	76
G276934		45	<20	<0.01	<10	<10	24	<10	16
G276935		178	<20	<0.01	<10	<10	69	<10	44
G276936		146	<20	<0.01	<10	<10	74	<10	74
G276937		90	<20	<0.01	<10	<10	152	<10	85
G276938		4	<20	<0.01	<10	<10	1	<10	2
G276939		130	<20	<0.01	<10	<10	83	<10	78
G276940		42	<20	0.10	<10	<10	50	40	50
G276941		139	<20	0.05	<10	<10	317	<10	97
G276942		85	<20	<0.01	<10	<10	32	<10	27
G276943		92	<20	<0.01	<10	<10	30	<10	39
G276944		199	<20	0.21	<10	<10	127	<10	60
G276945		58	<20	0.54	<10	<10	243	<10	96
G276946		184	<20	0.01	<10	<10	74	<10	76
G276947		99	<20	0.15	<10	<10	302	<10	141



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**CERTIFICATE OF ANALYSIS TR12157935**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G276948		2.15	0.016		0.3	1.15	22	<10	250	<0.5	<2	1.98	<0.5	12	12	57
G276949		4.92	<0.005		0.3	4.20	15	<10	100	<0.5	<2	4.04	<0.5	35	28	83
G276950		0.33	<0.005		<0.2	0.04	3	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	<1



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**CERTIFICATE OF ANALYSIS TR12157935**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G276948		3.44	<10	<1	0.16	<10	1.21	990	<1	0.01	17	270	<2	0.32	<2	5
G276949		9.04	10	<1	0.06	<10	3.65	1870	<1	0.03	30	710	<2	0.06	<2	28
G276950		0.06	<10	<1	<0.01	<10	1.78	26	<1	0.02	<1	40	2	0.09	<2	<1



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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12157935**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G276948		39	<20	0.01	<10	<10	51	<10	62
G276949		100	<20	0.01	<10	<10	240	<10	119
G276950		5470	20	<0.01	<10	10	<1	<10	<2



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**CERTIFICATE TR12154851**

Project: CMV12-01  
 P.O. No.: CMV12-01-11  
 This report is for 32 Drill Core samples submitted to our lab in Terrace, BC, Canada on 11-JUL-2012.  
 The following have access to data associated with this certificate:

DACRY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12154851**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G277037		3.51	1.560	0.5	0.84	1150	<10	40	<0.5	<2	6.30	<0.5	36	6	37	9.04
G277038		1.57	0.759	0.3	0.74	2550	<10	30	<0.5	<2	5.46	<0.5	31	10	40	8.14
G277039		3.62	1.870	1.2	0.67	2270	<10	40	<0.5	<2	4.67	<0.5	29	13	36	7.51
G277040		0.10	0.259	0.4	0.38	477	<10	1030	<0.5	<2	1.08	<0.5	3	42	39	4.00
G277041		3.51	0.966	0.6	0.27	1650	<10	50	<0.5	<2	5.04	<0.5	25	9	25	6.36
G277042		3.03	0.614	0.4	0.31	1520	<10	40	<0.5	<2	5.13	<0.5	25	8	25	6.41
G277043		2.20	0.051	0.3	0.46	86	<10	30	<0.5	<2	5.27	<0.5	31	10	44	8.86
G277044		2.11	2.27	0.8	0.34	7130	<10	40	<0.5	<2	6.33	<0.5	30	7	28	7.73
G277045		4.48	<0.005	0.2	2.09	27	<10	40	0.6	<2	4.82	<0.5	35	38	58	9.61
G277046		2.53	<0.005	<0.2	2.68	7	<10	20	0.6	<2	3.80	<0.5	40	37	61	11.10
G277047		3.33	<0.005	<0.2	1.42	4	<10	60	0.7	<2	4.44	<0.5	40	33	57	10.45
G277048		3.50	<0.005	<0.2	4.77	5	<10	520	0.5	<2	3.61	<0.5	45	55	64	11.90
G277049		4.24	0.018	<0.2	1.22	20	<10	20	0.5	<2	4.38	<0.5	37	31	48	8.81
G277050		0.31	<0.005	0.8	0.06	<2	<10	<10	<0.5	<2	>25.0	<0.5	1	<1	5	0.10
G277051		3.06	0.652	0.3	0.87	1920	<10	30	<0.5	<2	5.49	<0.5	33	11	35	10.00
G277052		3.29	0.252	0.2	1.71	69	<10	20	0.5	<2	5.40	<0.5	37	22	52	9.51
G277053		5.19	0.088	<0.2	1.68	194	<10	20	0.5	<2	5.83	<0.5	39	42	45	9.83
G277054		2.87	1.260	1.0	1.77	1260	<10	70	0.6	<2	4.87	<0.5	33	35	52	7.72
G277055		4.00	0.206	0.2	0.97	232	<10	60	<0.5	<2	6.04	<0.5	31	25	56	6.89
G277056		4.17	0.042	<0.2	1.07	116	<10	80	<0.5	<2	6.79	<0.5	35	44	79	7.27
G277057		3.47	0.024	0.3	1.90	35	<10	100	0.5	<2	6.62	<0.5	29	31	57	8.17
G277058		12.18	<0.005	<0.2	3.45	3	<10	20	<0.5	<2	5.57	<0.5	33	52	66	7.77
G277059		1.88	0.155	<0.2	2.01	345	<10	50	<0.5	<2	6.40	<0.5	37	24	56	8.02
G277060		0.09	0.799	2.2	0.70	26	<10	120	<0.5	<2	2.00	0.7	8	33	7240	6.96
G277061		1.64	0.333	0.2	0.22	2530	<10	30	<0.5	<2	3.72	<0.5	15	9	32	4.07
G277062		1.23	<0.005	<0.2	1.80	152	<10	30	<0.5	<2	7.01	<0.5	34	14	48	8.19
G277063		4.34	<0.005	<0.2	3.58	32	<10	30	<0.5	<2	6.24	<0.5	36	57	73	8.55
G277064		3.59	<0.005	<0.2	3.75	15	<10	30	<0.5	<2	6.01	<0.5	37	109	85	7.26
G277065		2.95	<0.005	<0.2	3.70	13	<10	60	<0.5	<2	4.79	<0.5	36	71	65	7.87
G277066		4.04	0.011	<0.2	2.99	30	<10	40	<0.5	<2	6.34	<0.5	36	25	60	8.47
G277067		2.72	1.465	0.7	0.75	602	<10	80	0.5	<2	10.3	<0.5	37	16	26	6.41
G277068		3.09	0.023	<0.2	3.45	51	<10	20	<0.5	<2	5.52	<0.5	41	49	67	8.76



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12154851**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
G277037		<10	<1	0.15	<10	2.72	1745	<1	0.02	19	1020	5	4.86	5	26	256
G277038		<10	<1	0.11	<10	2.54	1500	<1	0.01	21	680	4	2.90	3	23	175
G277039		<10	<1	0.13	<10	2.13	1255	<1	0.01	25	520	3	2.89	4	19	118
G277040		<10	4	0.09	10	0.03	77	14	0.03	15	140	15	0.23	28	1	79
G277041		<10	<1	0.14	<10	2.05	1185	<1	0.01	24	370	3	3.94	5	17	195
G277042		<10	<1	0.12	<10	2.23	1190	<1	0.02	22	460	3	1.96	3	17	143
G277043		<10	<1	0.14	<10	3.14	1535	<1	0.03	27	660	4	0.24	<2	24	67
G277044		<10	<1	0.13	<10	2.55	1465	<1	0.01	26	940	4	5.10	6	22	272
G277045		10	<1	0.03	<10	1.83	1715	<1	0.01	31	890	4	0.25	<2	33	52
G277046		10	<1	<0.01	<10	1.74	1780	<1	0.01	28	1190	4	0.30	4	33	53
G277047		10	1	<0.01	<10	1.22	2020	<1	0.01	30	1190	4	0.64	3	33	50
G277048		10	<1	0.12	<10	3.18	1360	<1	0.02	33	1150	6	0.43	5	26	96
G277049		10	<1	0.01	<10	1.59	2100	<1	0.01	27	980	3	0.32	2	32	75
G277050		<10	<1	<0.01	<10	1.87	30	<1	0.02	<1	40	2	0.07	<2	<1	4700
G277051		<10	<1	0.12	<10	2.30	1470	<1	0.02	23	950	4	3.07	2	23	128
G277052		10	1	0.05	<10	2.25	1680	<1	0.01	22	1040	4	0.24	<2	27	79
G277053		10	<1	0.05	<10	2.76	1930	<1	0.02	35	870	5	0.34	4	34	73
G277054		10	1	0.10	<10	1.71	987	<1	0.01	35	550	4	3.07	10	25	102
G277055		<10	<1	0.13	<10	2.95	1390	<1	0.02	34	560	4	0.98	2	27	144
G277056		<10	<1	0.11	<10	3.16	1570	<1	0.02	37	580	3	0.30	<2	31	127
G277057		10	<1	0.04	<10	2.20	1810	<1	0.02	27	980	4	0.50	2	31	136
G277058		10	<1	0.01	<10	2.75	1320	<1	0.02	29	710	4	0.17	3	23	90
G277059		10	<1	0.08	<10	2.77	1650	<1	0.01	27	850	2	0.30	<2	29	111
G277060		<10	2	0.30	<10	0.91	971	8	0.06	14	660	24	2.88	26	3	71
G277061		<10	<1	0.09	<10	1.41	685	<1	0.01	10	360	2	0.42	3	7	70
G277062		<10	<1	0.11	<10	2.97	1555	<1	0.01	26	760	2	0.14	<2	23	123
G277063		10	<1	0.02	<10	3.22	1500	<1	0.02	32	620	4	0.16	<2	31	84
G277064		10	<1	<0.01	<10	3.39	1335	<1	0.03	38	540	3	0.20	2	26	99
G277065		10	1	0.01	<10	3.24	1315	<1	0.02	36	670	5	0.21	<2	27	70
G277066		10	<1	0.04	<10	3.14	1595	<1	0.02	26	690	4	0.22	<2	30	115
G277067		<10	<1	0.22	<10	3.87	2520	<1	0.02	31	290	3	2.50	<2	25	339
G277068		10	<1	0.03	<10	3.15	1400	<1	0.03	33	680	2	0.07	3	34	102





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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12154851**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G277037		<20	<0.01	<10	<10	72	<10	73
G277038		<20	<0.01	<10	<10	51	<10	73
G277039		<20	<0.01	<10	<10	49	<10	67
G277040		<20	0.01	10	<10	29	10	23
G277041		<20	<0.01	<10	<10	21	<10	34
G277042		<20	<0.01	<10	<10	23	<10	48
G277043		<20	<0.01	<10	<10	39	<10	105
G277044		<20	<0.01	<10	<10	34	<10	34
G277045		<20	0.01	<10	<10	305	<10	121
G277046		<20	0.02	<10	<10	371	<10	130
G277047		<20	0.01	<10	<10	335	<10	134
G277048		<20	0.36	<10	<10	339	<10	142
G277049		<20	<0.01	<10	<10	302	<10	139
G277050		20	<0.01	<10	<10	2	<10	2
G277051		<20	<0.01	<10	<10	80	<10	90
G277052		<20	<0.01	<10	<10	203	<10	134
G277053		<20	<0.01	<10	<10	198	<10	121
G277054		<20	<0.01	<10	<10	143	<10	63
G277055		<20	<0.01	<10	<10	94	<10	99
G277056		<20	<0.01	<10	<10	123	<10	99
G277057		<20	<0.01	<10	<10	214	<10	92
G277058		<20	0.20	<10	<10	236	<10	92
G277059		<20	0.01	<10	<10	185	<10	107
G277060		<20	0.04	<10	<10	44	<10	106
G277061		<20	<0.01	<10	<10	14	<10	40
G277062		<20	<0.01	<10	<10	46	<10	102
G277063		<20	0.01	<10	<10	233	<10	100
G277064		<20	0.18	<10	<10	243	<10	91
G277065		<20	0.20	<10	<10	232	<10	95
G277066		<20	0.01	<10	<10	243	<10	97
G277067		<20	<0.01	<10	<10	57	<10	46
G277068		<20	0.01	<10	<10	267	<10	109



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**CERTIFICATE TR12157717**

Project: Cassiar  
 P.O. No.: CMV12-01  
 This report is for 1 Crushed Core sample submitted to our lab in Terrace, BC, Canada on 12-JUL-2012.  
 The following have access to data associated with this certificate:

DACRY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
SCR-21	Screen to -100 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
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Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Cassiar

**CERTIFICATE OF ANALYSIS TR12157717**

Sample Description	Method Analyte Units LOR	Au-SCR24 Au Total ppm	Au-SCR24 Au (+) F ppm	Au-SCR24 Au (-) F ppm	Au-SCR24 Au (+) m mg	Au-SCR24 WT. + Fr g	Au-SCR24 WT. - Fr g	Au-AA26 Au ppm	Au-AA26D Au ppm
G277132		8.83	120.5	5.42	1.711	14.18	464.6	5.19	5.65



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**CERTIFICATE TR12157917**

Project: Cassiar  
 P.O. No.: CMV12-01  
 This report is for 143 Drill Core samples submitted to our lab in Terrace, BC, Canada on 11-JUL-2012.  
 The following have access to data associated with this certificate:

DACRY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

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Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Cassiar

**CERTIFICATE OF ANALYSIS TR12157917**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21
		Recvd Wt. kg	Au ppm	Au ppm
		0.02	0.005	0.05
G277132		0.97	4.33	
G277069		3.33	1.290	
G277070		0.32	0.012	
G277071		3.37	0.006	
G277072		0.55	0.019	
G277073		2.28	<0.005	
G277074		0.87	<0.005	
G277075		1.03	<0.005	
G277076		2.50	0.321	
G277077		3.76	3.35	
G277078		1.10	0.453	
G277079		2.04	9.71	10.00
G277080		0.08	3.42	
G277081		4.74	5.41	4.91
G277082		3.52	0.086	
G277083		4.55	0.024	
G277084		4.18	0.029	
G277085		1.02	<0.005	
G277086		5.23	<0.005	
G277087		3.03	<0.005	
G277088		1.61	0.334	
G277089		1.65	2.19	
G277090		0.34	<0.005	
G277091		4.35	0.026	
G277092		2.40	2.17	
G277093		4.44	0.021	
G277094		3.97	0.005	
G277095		2.69	0.219	
G277096		1.01	0.014	
G277097		3.62	0.006	
G277098		1.74	0.007	
G277099		3.38	1.780	
G277100		0.07	9.85	9.90
G277101		1.33	>10.0	18.05
G277102		1.11	6.17	5.56
G277103		3.41	0.024	
G277104		2.34	0.059	
G277105		1.73	2.18	
G277106		1.89	1.235	
G277107		3.72	0.061	



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Project: Cassiar

**CERTIFICATE OF ANALYSIS TR12157917**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm
		0.02	0.005	0.05
G277108		2.78	0.007	
G277109		3.56	<0.005	
G277110		0.37	<0.005	
G277111		3.35	0.010	
G277112		6.01	0.051	
G277113		3.18	<0.005	
G277114		2.30	0.664	
G277115		1.04	0.125	
G277116		1.92	0.668	
G277117		4.72	0.028	
G277118		1.70	<0.005	
G277119		3.80	<0.005	
G277120		0.08	0.294	
G277121		3.38	0.013	
G277122		2.99	0.107	
G277123		2.88	0.007	
G277124		2.85	1.580	
G277125		<0.02	1.800	
G277126		2.22	0.093	
G277127		1.66	0.510	
G277128		4.12	<0.005	
G277129		3.26	<0.005	
G277130		0.38	<0.005	
G277131		0.86	0.192	
G277133		1.55	0.971	
G277134		3.07	0.020	
G277135		2.08	0.018	
G277136		4.47	0.112	
G277137		2.88	0.015	
G277138		0.80	0.058	
G277139		4.00	0.231	
G277140		0.07	>10.0	10.05
G277141		2.97	0.021	
G277142		4.66	0.023	
G277143		4.65	0.025	
G277144		0.37	<0.005	
G277145		3.92	<0.005	
G277146		4.18	0.029	
G277147		4.10	0.011	
G277148		4.38	0.130	



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Project: Cassiar

**CERTIFICATE OF ANALYSIS TR12157917**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm
		0.02	0.005	0.05
G277149		2.81	0.058	
G277150		0.31	<0.005	
G277151		1.90	1.865	
G277152		3.37	0.033	
G277153		2.77	0.006	
G277154		2.27	<0.005	
G277155		1.37	0.027	
G277156		1.94	1.525	
G277157		3.30	<0.005	
G277158		2.61	0.049	
G277159		2.06	3.01	
G277160		0.08	3.70	
G277161		1.09	0.334	
G277162		1.43	0.483	
G277163		4.29	0.033	
G277164		3.76	0.013	
G277165		4.55	<0.005	
G277166		4.78	0.011	
G277167		4.65	0.182	
G277168		4.98	0.167	
G277169		0.85	0.588	
G277170		0.32	<0.005	
G277171		2.94	0.471	
G277172		4.39	0.250	
G277173		4.14	<0.005	
G277174		1.91	<0.005	
G277175		1.84	<0.005	
G277176		1.48	<0.005	
G277177		3.94	<0.005	
G277178		4.47	<0.005	
G277179		4.57	<0.005	
G277180		0.07	9.70	10.20
G277181		3.93	<0.005	
G277182		2.76	<0.005	
G277183		4.18	0.007	
G277184		4.55	0.021	
G277185		1.20	0.194	
G277186		3.10	<0.005	
G277187		3.34	0.009	
G277188		0.64	0.241	



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**CERTIFICATE OF ANALYSIS TR12157917**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm
		0.02	0.005	0.05
G277189		1.18	0.147	
G277190		0.34	<0.005	
G277191		4.22	0.064	
G277192		3.80	0.005	
G277193		2.23	0.174	
G277194		4.49	<0.005	
G277195		4.75	0.005	
G277196		2.28	0.058	
G277197		3.63	<0.005	
G277198		2.82	<0.005	
G277199		2.96	<0.005	
G277200		0.07	0.285	
G277201		1.46	0.313	
G277202		2.92	<0.005	
G277203		2.39	0.045	
G277204		3.81	<0.005	
G277205		4.81	<0.005	
G277206		4.78	<0.005	
G277207		4.23	<0.005	
G277208		4.42	<0.005	
G277209		4.32	<0.005	
G277210		0.36	<0.005	
G277211		2.51	0.056	





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**CERTIFICATE TR12167601**

Project: Cassiar  
 P.O. No.: CMV12-01  
 This report is for 143 Drill Core samples submitted to our lab in Terrace, BC, Canada on 26-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12167601**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg
Units		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
LOR		0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1
G277132		3.7	0.34	1090	<10	60	<0.5	<2	6.38	<0.5	31	7	86	6.55	<10	<1
G277069		0.5	0.46	6170	<10	50	<0.5	<2	5.67	<0.5	35	5	43	8.42	<10	<1
G277070		<0.2	0.07	9	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	2	0.10	<10	<1
G277071		<0.2	3.19	8	<10	10	<0.5	2	5.46	<0.5	39	18	59	9.21	20	<1
G277072		0.3	4.27	19	<10	20	0.5	<2	5.34	<0.5	54	17	229	11.45	30	<1
G277073		0.2	3.54	4	<10	<10	<0.5	2	5.30	<0.5	36	19	70	9.57	20	<1
G277074		<0.2	2.70	<2	<10	10	<0.5	2	5.21	<0.5	44	18	42	8.84	20	1
G277075		<0.2	2.75	7	<10	<10	<0.5	<2	5.25	<0.5	51	18	45	8.87	20	<1
G277076		0.4	0.40	199	<10	30	<0.5	<2	5.61	<0.5	36	2	47	8.44	<10	<1
G277077		1.1	0.31	>10000	<10	50	<0.5	<2	5.86	<0.5	35	2	42	8.08	<10	<1
G277078		0.4	0.36	1645	<10	40	<0.5	<2	5.00	<0.5	28	2	50	8.39	<10	<1
G277079		1.9	0.16	8960	<10	30	<0.5	<2	2.72	<0.5	23	7	23	6.94	<10	<1
G277080		4.1	1.52	287	<10	470	<0.5	<2	1.35	1.5	9	55	78	3.34	10	5
G277081		1.0	0.28	>10000	<10	50	<0.5	<2	5.02	<0.5	32	3	46	8.77	<10	<1
G277082		0.4	0.81	120	<10	30	<0.5	<2	4.81	<0.5	41	9	71	9.45	<10	<1
G277083		<0.2	1.78	91	<10	10	<0.5	<2	6.41	<0.5	37	27	54	8.81	10	<1
G277084		0.2	1.58	55	<10	20	<0.5	<2	7.6	<0.5	32	57	64	6.07	10	<1
G277085		<0.2	4.03	24	10	1300	1.4	<2	11.5	<0.5	21	46	192	7.30	10	1
G277086		<0.2	3.37	3	<10	10	0.5	<2	5.80	<0.5	41	50	71	8.19	20	<1
G277087		0.2	3.00	7	<10	20	<0.5	<2	5.51	<0.5	35	47	48	8.31	20	<1
G277088		<0.2	0.36	612	<10	40	<0.5	2	5.43	<0.5	33	8	49	8.01	<10	<1
G277089		0.8	0.39	5340	<10	30	<0.5	<2	9.4	<0.5	30	5	41	7.34	<10	<1
G277090		<0.2	0.05	2	<10	10	<0.5	<2	>25.0	<0.5	<1	1	1	0.05	<10	<1
G277091		0.3	1.46	53	<10	10	<0.5	<2	5.44	<0.5	36	28	87	8.56	10	<1
G277092		0.5	0.72	1300	<10	30	<0.5	<2	5.15	<0.5	27	13	39	7.69	<10	<1
G277093		<0.2	1.77	25	<10	10	<0.5	<2	5.47	<0.5	34	29	58	8.85	10	<1
G277094		<0.2	2.47	2	<10	10	<0.5	<2	5.49	<0.5	32	48	53	8.50	10	<1
G277095		0.2	1.04	358	<10	40	<0.5	<2	6.38	<0.5	39	19	53	8.62	10	<1
G277096		<0.2	0.59	50	<10	20	<0.5	<2	5.68	<0.5	38	11	47	8.45	<10	<1
G277097		0.2	1.84	<2	<10	10	<0.5	<2	6.02	<0.5	35	30	59	8.50	10	<1
G277098		<0.2	1.10	50	<10	20	<0.5	<2	5.64	<0.5	36	11	62	9.01	<10	<1
G277099		0.7	0.25	2530	<10	40	<0.5	<2	5.39	<0.5	28	7	33	6.93	<10	<1
G277100		0.8	1.61	4030	<10	60	0.5	<2	0.91	<0.5	15	72	69	3.72	10	<1
G277101		2.1	0.21	>10000	<10	40	<0.5	<2	3.92	<0.5	30	5	13	9.13	<10	<1
G277102		1.2	0.33	3830	<10	50	<0.5	<2	6.6	<0.5	32	5	58	9.66	<10	<1
G277103		<0.2	1.14	28	<10	20	<0.5	<2	5.82	<0.5	36	10	101	9.44	<10	<1
G277104		<0.2	1.29	74	<10	20	<0.5	<2	5.75	<0.5	37	16	58	8.95	<10	<1
G277105		10.8	0.27	2460	<10	40	<0.5	<2	6.01	<0.5	27	4	36	9.92	<10	<1
G277106		0.4	0.32	3900	<10	50	<0.5	<2	7.4	<0.5	25	9	35	5.86	<10	<1
G277107		0.2	1.90	78	<10	20	<0.5	<2	6.46	<0.5	45	60	76	7.44	10	<1



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Project: Cassiar

**CERTIFICATE OF ANALYSIS TR12167601**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %
G277132		0.17	<10	2.72	1190	1	0.05	33	480	4	3.42	24	19	237	<20	<0.01
G277069		0.14	<10	2.01	1300	1	0.04	26	710	<2	3.44	6	22	181	<20	<0.01
G277070		0.01	<10	1.68	38	<1	0.02	<1	40	12	0.08	2	<1	4730	20	<0.01
G277071		0.01	<10	2.52	1595	<1	0.04	29	820	15	0.02	3	35	99	<20	0.04
G277072		<0.01	<10	2.80	1525	<1	0.03	42	810	3	1.11	3	34	106	<20	0.05
G277073		<0.01	<10	2.55	1575	<1	0.04	23	810	9	0.07	3	37	97	<20	0.06
G277074		0.02	<10	2.38	1515	<1	0.05	30	790	2	0.01	2	35	89	<20	0.02
G277075		0.01	<10	2.39	1505	<1	0.04	34	750	<2	0.01	<2	35	87	<20	0.02
G277076		0.11	<10	2.15	1455	<1	0.03	22	770	6	0.48	10	26	130	<20	<0.01
G277077		0.16	<10	2.34	1405	<1	0.03	21	1070	2	4.41	13	25	264	<20	<0.01
G277078		0.15	<10	2.14	1475	<1	0.02	17	770	<2	0.68	7	20	161	<20	<0.01
G277079		0.11	<10	0.94	640	<1	0.02	16	430	4	7.08	11	10	122	<20	<0.01
G277080		0.14	10	0.78	452	13	0.08	39	750	303	0.66	32	4	35	<20	0.09
G277081		0.17	<10	1.92	1225	<1	0.02	21	860	2	7.60	15	20	236	<20	<0.01
G277082		0.12	<10	2.81	1405	<1	0.05	29	770	<2	0.21	3	29	65	<20	<0.01
G277083		0.05	<10	2.65	1605	<1	0.05	39	740	<2	0.13	3	30	58	<20	<0.01
G277084		0.11	10	3.00	1480	<1	0.02	46	640	5	0.16	5	26	141	<20	<0.01
G277085		1.33	140	3.14	938	<1	0.06	32	4070	12	0.07	2	18	1150	40	0.28
G277086		0.03	<10	2.51	1525	<1	0.04	46	770	<2	0.22	<2	35	134	<20	0.06
G277087		0.02	<10	2.66	1420	<1	0.04	37	770	<2	0.02	3	34	126	<20	0.03
G277088		0.11	<10	2.57	1465	<1	0.03	30	710	<2	1.39	<2	27	188	<20	<0.01
G277089		0.11	<10	2.31	1275	<1	0.02	31	460	2	2.88	8	22	195	<20	<0.01
G277090		<0.01	<10	1.55	23	<1	0.01	1	30	3	0.06	<2	<1	4980	20	<0.01
G277091		0.06	<10	2.54	1465	<1	0.03	39	760	2	0.09	<2	28	115	<20	0.01
G277092		0.09	<10	2.13	1200	<1	0.02	27	630	<2	2.77	4	24	175	<20	<0.01
G277093		0.06	<10	2.67	1375	<1	0.03	35	770	<2	0.05	3	31	124	<20	0.01
G277094		0.01	<10	2.65	1370	1	0.05	33	740	<2	0.02	<2	33	112	<20	0.01
G277095		0.12	<10	2.78	1485	<1	0.04	40	780	<2	0.88	3	28	162	<20	<0.01
G277096		0.09	<10	2.63	1375	1	0.05	39	770	2	0.05	3	27	107	<20	<0.01
G277097		0.03	<10	2.68	1385	<1	0.06	34	790	<2	0.03	<2	33	80	<20	0.01
G277098		0.09	<10	2.60	1495	1	0.04	38	790	2	0.08	7	30	119	<20	<0.01
G277099		0.15	<10	2.11	1265	<1	0.02	27	450	2	3.58	6	17	225	<20	<0.01
G277100		0.17	10	0.90	409	7	0.08	65	510	7	0.97	38	5	41	<20	0.11
G277101		0.13	<10	1.45	828	1	0.02	34	440	4	9.11	8	14	179	<20	<0.01
G277102		0.18	<10	2.54	1535	1	0.02	38	700	2	6.79	10	22	281	<20	<0.01
G277103		0.09	<10	2.68	1390	1	0.06	38	790	<2	0.11	<2	30	86	<20	<0.01
G277104		0.10	<10	2.68	1460	<1	0.05	36	820	<2	0.22	2	32	78	<20	<0.01
G277105		0.15	<10	2.27	1345	1	0.02	28	620	<2	9.90	7	21	245	<20	<0.01
G277106		0.18	<10	2.74	1380	<1	0.02	29	280	3	2.74	6	21	261	<20	<0.01
G277107		0.09	<10	3.20	1190	<1	0.03	63	450	<2	0.10	2	29	106	<20	<0.01



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 SUITE 200, 900 WEST HASTINGS STREET  
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Project: Cassiar

**CERTIFICATE OF ANALYSIS TR12167601**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Tl	U	V	W	Zn
		ppm	ppm	ppm	ppm	ppm
		10	10	1	10	2
G277132		<10	<10	19	<10	54
G277069		<10	<10	27	<10	56
G277070		<10	<10	2	<10	<2
G277071		<10	<10	328	<10	123
G277072		<10	<10	378	<10	143
G277073		<10	<10	360	<10	128
G277074		<10	<10	295	<10	121
G277075		<10	<10	309	<10	122
G277076		<10	<10	30	<10	88
G277077		<10	<10	24	<10	61
G277078		<10	<10	22	<10	93
G277079		<10	<10	11	<10	18
G277080		<10	<10	61	<10	280
G277081		<10	<10	19	<10	52
G277082		<10	<10	50	<10	127
G277083		<10	<10	122	<10	113
G277084		<10	<10	79	<10	95
G277085		<10	<10	185	<10	72
G277086		<10	<10	312	<10	111
G277087		<10	<10	285	<10	113
G277088		<10	<10	28	<10	69
G277089		<10	<10	26	<10	52
G277090		<10	<10	1	<10	<2
G277091		<10	<10	131	<10	112
G277092		<10	<10	52	<10	64
G277093		<10	<10	144	<10	108
G277094		<10	<10	277	<10	109
G277095		<10	<10	90	<10	93
G277096		<10	<10	47	<10	90
G277097		<10	<10	143	<10	108
G277098		<10	<10	43	<10	103
G277099		<10	<10	17	<10	45
G277100		<10	<10	53	40	53
G277101		<10	<10	14	<10	22
G277102		<10	<10	23	<10	75
G277103		<10	<10	47	<10	109
G277104		<10	<10	73	<10	106
G277105		<10	<10	21	<10	36
G277106		<10	<10	28	<10	73
G277107		<10	<10	93	<10	90



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**CERTIFICATE OF ANALYSIS TR12167601**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm
		0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	0.01	10	1	
G277108		<0.2	2.73	13	<10	10	<0.5	<2	6.49	<0.5	36	110	86	7.37	10	<1
G277109		<0.2	3.07	5	<10	10	<0.5	<2	7.1	<0.5	41	94	56	7.30	10	<1
G277110		<0.2	0.06	7	<10	<10	<0.5	<2	>25.0	<0.5	1	1	1	0.09	<10	<1
G277111		<0.2	0.92	30	<10	20	<0.5	<2	6.23	<0.5	35	31	80	7.47	<10	<1
G277112		<0.2	1.47	57	<10	10	<0.5	<2	6.36	<0.5	35	54	68	7.08	<10	<1
G277113		<0.2	1.98	115	<10	20	<0.5	<2	6.8	<0.5	40	20	67	8.08	<10	<1
G277114		1.1	0.36	3090	<10	50	<0.5	<2	9.8	<0.5	32	11	44	6.26	<10	<1
G277115		12.7	0.05	306	<10	10	0.9	<2	17.2	0.5	2	5	263	1.30	<10	<1
G277116		1.3	0.29	1970	<10	50	<0.5	<2	7.5	<0.5	35	13	57	6.95	<10	<1
G277117		0.3	0.52	174	<10	30	<0.5	<2	6.30	<0.5	31	12	56	6.76	<10	<1
G277118		<0.2	0.74	144	<10	10	<0.5	<2	5.75	<0.5	33	21	69	7.36	<10	<1
G277119		<0.2	2.01	120	<10	10	<0.5	<2	6.70	<0.5	35	60	70	7.27	10	<1
G277120		0.4	0.43	460	<10	1130	<0.5	<2	1.11	<0.5	3	44	41	3.99	<10	4
G277121		<0.2	0.52	142	<10	10	<0.5	<2	5.93	<0.5	34	19	69	7.10	<10	<1
G277122		<0.2	0.42	286	<10	10	<0.5	<2	7.31	<0.5	34	12	104	8.34	<10	<1
G277123		0.2	0.65	105	<10	20	<0.5	<2	6.30	<0.5	36	16	57	7.57	<10	<1
G277124		1.8	0.38	863	<10	60	<0.5	<2	8.9	<0.5	33	11	60	7.06	<10	<1
G277125		1.8	0.32	913	<10	50	<0.5	<2	9.3	<0.5	31	10	60	7.02	<10	<1
G277126		<0.2	0.63	114	<10	20	<0.5	<2	5.64	<0.5	34	13	63	7.54	<10	<1
G277127		<0.2	0.56	316	<10	30	<0.5	<2	6.21	<0.5	35	14	64	7.38	<10	<1
G277128		<0.2	0.49	65	<10	10	<0.5	<2	6.13	<0.5	33	16	55	7.41	<10	<1
G277129		<0.2	1.14	93	<10	10	<0.5	<2	6.32	<0.5	36	16	64	7.63	<10	<1
G277130		<0.2	0.04	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	<1	0.07	<10	<1
G277131		<0.2	0.81	247	<10	20	<0.5	<2	6.49	<0.5	35	11	61	7.82	<10	<1
G277133		0.4	0.61	6260	<10	40	<0.5	<2	6.47	<0.5	33	9	44	7.72	<10	<1
G277134		<0.2	0.98	130	<10	10	<0.5	<2	5.76	<0.5	36	12	54	8.01	<10	<1
G277135		<0.2	1.17	138	<10	10	<0.5	<2	5.78	<0.5	35	10	59	7.74	<10	<1
G277136		0.2	0.83	1220	<10	20	<0.5	<2	6.21	<0.5	33	10	171	7.44	<10	<1
G277137		<0.2	0.78	151	<10	20	<0.5	<2	5.92	<0.5	36	13	64	8.01	<10	<1
G277138		<0.2	0.34	222	<10	40	<0.5	<2	6.31	<0.5	35	11	16	6.71	<10	<1
G277139		0.3	1.52	211	<10	30	<0.5	<2	6.42	<0.5	36	14	56	8.25	<10	<1
G277140		0.6	1.54	3960	<10	60	0.5	<2	0.85	<0.5	15	69	65	3.69	<10	<1
G277141		<0.2	0.73	87	<10	10	<0.5	<2	5.74	<0.5	34	16	67	7.51	<10	<1
G277142		<0.2	0.79	97	<10	20	<0.5	2	6.06	<0.5	34	15	48	7.73	<10	<1
G277143		<0.2	0.58	103	<10	20	<0.5	<2	5.84	<0.5	33	13	60	7.50	<10	<1
G277144		<0.2	0.06	3	<10	10	<0.5	<2	>25.0	<0.5	<1	1	1	0.15	<10	<1
G277145		<0.2	1.71	110	<10	40	<0.5	<2	5.60	<0.5	35	21	56	6.94	<10	<1
G277146		<0.2	1.64	256	<10	20	<0.5	2	6.48	<0.5	36	10	63	7.60	<10	<1
G277147		<0.2	1.59	197	<10	20	<0.5	<2	6.30	<0.5	36	11	65	7.95	<10	<1
G277148		<0.2	1.91	1155	<10	30	<0.5	<2	6.38	<0.5	39	21	79	8.68	<10	<1



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %
G277108		0.02	<10	3.30	1270	<1	0.05	51	520	<2	0.05	3	35	80	<20	0.01
G277109		0.04	<10	3.31	1325	<1	0.04	54	590	<2	0.37	<2	34	108	<20	0.01
G277110		<0.01	<10	1.73	33	<1	0.02	1	50	<2	0.10	<2	<1	5390	20	<0.01
G277111		0.10	<10	3.22	1270	<1	0.07	42	600	<2	0.11	3	32	103	<20	<0.01
G277112		0.05	<10	3.06	1265	<1	0.07	44	520	<2	0.22	3	31	68	<20	<0.01
G277113		0.09	<10	3.28	1225	1	0.06	50	540	<2	0.07	4	30	78	<20	<0.01
G277114		0.18	<10	3.22	1390	<1	0.02	47	580	2	2.22	13	22	253	<20	<0.01
G277115		0.01	<10	0.19	451	<1	0.01	4	50	<2	0.51	133	2	28	<20	<0.01
G277116		0.18	<10	3.32	1350	<1	0.02	46	310	<2	3.10	13	21	246	<20	<0.01
G277117		0.13	<10	3.29	1285	<1	0.03	44	450	<2	0.17	14	22	109	<20	<0.01
G277118		0.06	<10	3.46	1395	1	0.06	46	500	<2	0.19	<2	29	63	<20	<0.01
G277119		0.02	<10	3.44	1415	<1	0.08	48	510	<2	0.20	<2	31	59	<20	<0.01
G277120		0.09	10	0.03	77	14	0.03	16	160	14	0.26	31	1	83	<20	0.01
G277121		0.02	<10	3.26	1315	1	0.10	44	480	<2	0.12	2	30	59	<20	<0.01
G277122		0.03	<10	2.81	1320	1	0.10	33	890	<2	0.45	2	27	52	<20	<0.01
G277123		0.09	<10	3.17	1380	1	0.06	38	630	<2	0.15	8	28	83	<20	<0.01
G277124		0.18	<10	3.14	1575	<1	0.03	38	410	<2	3.25	13	27	282	<20	<0.01
G277125		0.15	<10	3.07	1575	<1	0.02	36	400	2	3.42	13	26	281	<20	<0.01
G277126		0.11	<10	3.16	1280	1	0.06	42	590	7	0.39	5	27	92	<20	<0.01
G277127		0.13	<10	3.00	1310	<1	0.05	37	560	4	1.07	<2	26	92	<20	<0.01
G277128		0.06	<10	3.21	1305	<1	0.09	36	590	<2	0.20	<2	28	58	<20	<0.01
G277129		0.04	<10	3.17	1310	<1	0.08	40	620	2	0.24	<2	29	65	<20	<0.01
G277130		<0.01	<10	1.74	33	<1	0.02	1	30	<2	0.05	<2	<1	4910	20	<0.01
G277131		0.10	<10	3.22	1295	<1	0.06	39	630	<2	0.46	<2	26	115	<20	<0.01
G277133		0.14	<10	3.10	1300	<1	0.03	39	570	3	2.16	4	24	188	<20	<0.01
G277134		0.07	<10	3.25	1300	<1	0.07	38	530	2	0.21	17	26	82	<20	<0.01
G277135		0.06	<10	3.16	1225	<1	0.06	35	440	<2	0.17	3	25	78	<20	<0.01
G277136		0.08	<10	3.19	1230	<1	0.08	36	560	2	0.33	18	26	97	<20	<0.01
G277137		0.08	<10	3.30	1305	<1	0.07	40	640	<2	0.19	<2	27	82	<20	<0.01
G277138		0.14	<10	2.96	1240	<1	0.04	38	420	2	0.18	<2	22	120	<20	<0.01
G277139		0.09	<10	3.32	1490	<1	0.05	40	570	2	0.39	3	29	124	<20	<0.01
G277140		0.17	10	0.89	386	6	0.07	64	480	9	0.90	33	5	43	<20	0.10
G277141		0.04	<10	3.02	1245	<1	0.10	36	600	<2	0.33	<2	28	67	<20	<0.01
G277142		0.07	<10	3.29	1380	<1	0.08	38	580	2	0.18	<2	29	96	<20	<0.01
G277143		0.05	<10	3.13	1330	<1	0.10	36	560	<2	0.23	<2	28	64	<20	<0.01
G277144		0.01	<10	1.67	54	<1	0.02	2	50	<2	0.10	<2	1	5440	20	<0.01
G277145		0.04	<10	2.75	1200	<1	0.07	37	590	2	0.13	<2	28	61	<20	<0.01
G277146		0.07	<10	3.04	1320	<1	0.07	37	660	2	0.30	<2	28	82	<20	<0.01
G277147		0.04	<10	3.12	1320	<1	0.09	40	640	<2	0.16	<2	29	80	<20	<0.01
G277148		0.10	<10	3.28	1455	<1	0.05	44	590	2	0.24	3	28	133	<20	<0.01



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Tl	U	V	W	Zn
		ppm	ppm	ppm	ppm	ppm
		10	10	1	10	2
G277108		<10	<10	185	<10	88
G277109		<10	<10	168	<10	87
G277110		<10	<10	2	<10	<2
G277111		<10	<10	44	<10	79
G277112		<10	<10	85	<10	83
G277113		<10	<10	35	<10	85
G277114		<10	<10	19	<10	51
G277115		<10	<10	5	<10	122
G277116		<10	<10	19	<10	53
G277117		<10	<10	23	<10	68
G277118		<10	<10	39	<10	82
G277119		<10	<10	90	<10	80
G277120		10	<10	29	10	24
G277121		<10	<10	38	<10	82
G277122		<10	<10	47	<10	77
G277123		<10	<10	37	<10	86
G277124		<10	<10	33	<10	53
G277125		<10	<10	30	<10	52
G277126		<10	<10	34	<10	85
G277127		<10	<10	35	<10	79
G277128		<10	<10	43	<10	81
G277129		<10	<10	44	<10	87
G277130		<10	<10	1	<10	<2
G277131		<10	<10	32	<10	87
G277133		<10	<10	24	<10	74
G277134		<10	<10	35	<10	81
G277135		<10	<10	32	<10	84
G277136		<10	<10	32	<10	89
G277137		<10	<10	37	<10	91
G277138		<10	<10	33	<10	52
G277139		<10	<10	38	<10	79
G277140		<10	<10	50	40	51
G277141		<10	<10	41	<10	88
G277142		<10	<10	43	<10	73
G277143		<10	<10	43	<10	78
G277144		<10	<10	2	<10	9
G277145		<10	<10	61	<10	83
G277146		<10	<10	40	<10	95
G277147		<10	<10	41	<10	80
G277148		<10	<10	64	<10	92



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg
Units		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
LOR		0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1
G277149		0.2	1.39	152	<10	30	<0.5	<2	6.53	<0.5	38	17	72	7.71	<10	<1
G277150		<0.2	0.08	10	<10	10	<0.5	<2	>25.0	<0.5	<1	1	1	0.12	<10	<1
G277151		1.1	0.32	1075	<10	50	<0.5	<2	7.6	<0.5	32	7	51	6.98	<10	<1
G277152		<0.2	1.14	165	<10	30	<0.5	<2	5.79	<0.5	31	18	44	7.50	<10	<1
G277153		<0.2	3.16	79	<10	10	<0.5	<2	5.90	<0.5	40	32	56	9.77	10	<1
G277154		<0.2	4.38	75	<10	<10	<0.5	<2	4.18	<0.5	39	40	65	10.05	20	<1
G277155		<0.2	1.98	105	<10	20	<0.5	<2	5.53	<0.5	40	23	59	7.42	10	1
G277156		0.2	0.54	2760	<10	50	<0.5	<2	7.32	<0.5	33	6	39	7.77	<10	<1
G277157		<0.2	1.73	116	<10	10	<0.5	<2	5.09	<0.5	37	8	57	9.30	<10	<1
G277158		<0.2	0.86	178	<10	30	<0.5	<2	5.17	<0.5	33	8	51	9.07	<10	<1
G277159		0.3	0.39	806	<10	50	<0.5	<2	4.80	<0.5	44	5	13	10.25	<10	<1
G277160		4.0	1.57	280	<10	400	<0.5	2	1.38	1.5	9	56	76	3.54	<10	5
G277161		<0.2	0.21	246	<10	30	<0.5	<2	5.76	<0.5	17	7	13	6.03	<10	<1
G277162		0.2	0.44	254	<10	40	<0.5	<2	5.02	<0.5	36	7	101	8.74	<10	<1
G277163		<0.2	0.61	110	<10	30	<0.5	<2	5.96	<0.5	37	9	61	8.90	<10	<1
G277164		<0.2	0.79	147	<10	20	<0.5	<2	5.77	<0.5	35	13	47	8.26	<10	<1
G277165		<0.2	1.22	86	<10	10	<0.5	<2	6.22	<0.5	36	19	54	8.21	<10	<1
G277166		<0.2	0.79	134	<10	10	<0.5	<2	5.67	<0.5	32	14	59	7.92	<10	<1
G277167		<0.2	1.43	581	<10	40	<0.5	2	7.16	<0.5	41	13	17	8.54	<10	<1
G277168		<0.2	0.64	280	<10	40	<0.5	<2	6.04	<0.5	38	9	22	9.09	<10	<1
G277169		0.2	0.38	2530	<10	40	<0.5	<2	7.5	<0.5	34	11	62	7.46	<10	<1
G277170		<0.2	0.04	2	<10	10	<0.5	<2	>25.0	<0.5	1	<1	<1	0.07	<10	<1
G277171		0.2	1.25	2460	<10	50	<0.5	<2	7.7	<0.5	39	11	14	8.66	<10	<1
G277172		<0.2	1.83	1095	<10	50	<0.5	2	6.9	<0.5	39	12	38	9.05	<10	<1
G277173		<0.2	3.86	40	<10	<10	<0.5	<2	6.07	<0.5	37	95	62	8.41	10	<1
G277174		<0.2	4.55	40	<10	<10	<0.5	<2	6.72	<0.5	36	134	64	8.01	20	<1
G277175		<0.2	4.55	43	<10	<10	<0.5	<2	6.66	<0.5	38	140	68	8.01	10	<1
G277176		<0.2	4.86	31	<10	<10	<0.5	2	7.2	<0.5	34	156	50	7.84	10	<1
G277177		<0.2	4.85	24	<10	<10	<0.5	<2	6.40	<0.5	34	161	67	7.86	10	<1
G277178		<0.2	3.16	5	<10	<10	<0.5	2	2.25	<0.5	30	104	77	5.60	10	<1
G277179		<0.2	4.53	19	<10	10	<0.5	<2	5.51	<0.5	36	148	75	7.27	10	<1
G277180		0.6	1.53	3930	<10	60	0.5	<2	0.84	<0.5	14	69	64	3.66	10	<1
G277181		<0.2	4.68	49	<10	<10	<0.5	<2	6.26	<0.5	35	133	64	7.29	10	<1
G277182		<0.2	4.78	42	<10	<10	<0.5	<2	6.7	<0.5	31	165	45	7.26	10	<1
G277183		<0.2	5.07	76	<10	<10	<0.5	<2	7.4	<0.5	38	147	68	7.59	10	<1
G277184		<0.2	3.56	125	<10	20	<0.5	<2	7.4	<0.5	33	69	46	8.51	10	<1
G277185		<0.2	2.65	3540	<10	20	<0.5	2	6.49	<0.5	33	68	55	8.22	10	<1
G277186		<0.2	3.32	107	<10	20	<0.5	<2	6.61	<0.5	35	72	77	8.51	10	<1
G277187		<0.2	2.85	165	<10	10	<0.5	<2	7.0	<0.5	37	84	70	8.34	10	<1
G277188		<0.2	0.33	2690	<10	10	<0.5	<2	5.57	<0.5	7	6	40	3.38	<10	<1

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**CERTIFICATE OF ANALYSIS TR12167601**

Sample Description	Method Analyte Units LOR	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm	ME-ICP41 Th ppm	ME-ICP41 Ti %
G277149		0.10	<10	3.29	1450	<1	0.04	42	430	<2	0.25	<2	28	146	<20	<0.01
G277150		0.01	<10	1.49	37	<1	0.02	1	30	<2	0.07	<2	<1	6130	20	<0.01
G277151		0.16	<10	3.13	1385	<1	0.02	33	350	<2	3.65	2	22	316	<20	<0.01
G277152		0.06	<10	2.44	1525	<1	0.03	28	690	<2	0.13	<2	26	111	<20	<0.01
G277153		0.04	<10	3.15	1665	<1	0.02	39	880	<2	0.45	<2	34	124	<20	<0.01
G277154		0.01	<10	3.24	1080	<1	0.03	32	840	<2	0.19	<2	34	93	<20	0.02
G277155		0.04	<10	2.35	1595	<1	0.02	31	940	2	0.25	<2	35	105	<20	<0.01
G277156		0.18	<10	3.01	1505	<1	0.02	26	730	2	3.57	2	25	320	<20	<0.01
G277157		0.07	<10	2.91	1280	<1	0.05	31	810	<2	0.11	<2	29	87	<20	<0.01
G277158		0.12	<10	2.98	1490	<1	0.05	31	860	2	0.25	<2	27	105	<20	<0.01
G277159		0.18	<10	3.03	1315	<1	0.02	39	760	2	2.64	<2	26	164	<20	<0.01
G277160		0.14	10	0.84	460	13	0.08	40	770	304	0.66	28	4	40	<20	0.10
G277161		0.11	<10	2.66	1145	<1	0.02	15	280	<2	0.74	<2	18	260	<20	<0.01
G277162		0.15	<10	2.86	1355	<1	0.03	30	710	<2	0.70	<2	24	137	<20	<0.01
G277163		0.14	<10	3.05	1595	<1	0.05	31	740	3	0.33	13	27	119	<20	<0.01
G277164		0.06	<10	3.10	1485	<1	0.07	32	710	2	0.17	<2	28	91	<20	<0.01
G277165		0.05	<10	3.15	1390	<1	0.09	36	730	<2	0.22	<2	28	68	<20	<0.01
G277166		0.06	<10	3.11	1365	<1	0.08	33	750	2	0.19	<2	27	75	<20	<0.01
G277167		0.16	<10	3.49	1610	<1	0.03	35	810	<2	0.46	<2	30	219	<20	<0.01
G277168		0.14	<10	3.37	1705	<1	0.03	29	580	<2	0.70	2	26	151	<20	<0.01
G277169		0.13	<10	3.04	1390	<1	0.04	32	790	2	0.71	2	20	228	<20	<0.01
G277170		0.01	<10	1.58	25	<1	0.02	1	30	<2	0.05	<2	<1	5500	20	<0.01
G277171		0.16	<10	3.55	1545	<1	0.03	35	770	2	1.26	<2	27	272	<20	<0.01
G277172		0.12	<10	3.05	1520	<1	0.02	27	610	2	0.59	<2	28	165	<20	<0.01
G277173		0.01	<10	3.57	1380	<1	0.04	45	750	<2	0.21	<2	32	66	<20	0.02
G277174		<0.01	<10	3.64	1395	<1	0.04	55	700	<2	0.23	<2	30	61	<20	0.04
G277175		<0.01	<10	3.62	1375	<1	0.04	59	720	5	0.23	<2	31	63	<20	0.04
G277176		<0.01	<10	3.79	1395	<1	0.04	55	710	2	0.09	<2	29	60	<20	0.27
G277177		<0.01	<10	3.94	1395	<1	0.04	57	710	3	0.13	<2	26	35	<20	0.57
G277178		<0.01	<10	2.08	922	<1	0.07	53	740	<2	0.25	2	5	21	<20	0.51
G277179		<0.01	<10	3.91	1305	<1	0.04	52	490	<2	0.11	<2	25	40	<20	0.28
G277180		0.16	10	0.88	383	6	0.07	63	470	7	0.88	34	5	42	<20	0.10
G277181		<0.01	<10	3.74	1195	<1	0.03	47	490	<2	0.14	<2	29	53	<20	0.09
G277182		<0.01	<10	3.79	1235	<1	0.03	56	630	2	0.03	<2	28	45	<20	0.29
G277183		0.01	<10	3.84	1315	<1	0.03	57	600	2	0.16	<2	30	59	<20	0.04
G277184		0.06	<10	3.71	1520	<1	0.04	44	680	2	0.26	<2	25	84	<20	0.01
G277185		0.08	<10	3.47	1410	<1	0.04	57	810	2	0.62	<2	20	89	<20	0.01
G277186		0.05	<10	3.82	1315	<1	0.06	44	770	2	0.22	<2	25	60	<20	0.01
G277187		0.08	<10	3.72	1455	<1	0.05	50	630	<2	0.15	<2	25	64	<20	0.01
G277188		0.05	<10	0.94	549	<1	0.03	9	70	<2	0.24	8	10	48	<20	<0.01



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Project: Cassiar

**CERTIFICATE OF ANALYSIS TR12167601**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Tl	U	V	W	Zn
		ppm	ppm	ppm	ppm	ppm
		10	10	1	10	2
G277149		<10	<10	62	<10	72
G277150		<10	<10	2	<10	4
G277151		<10	<10	27	<10	46
G277152		<10	<10	128	<10	104
G277153		<10	<10	246	<10	103
G277154		<10	<10	317	<10	137
G277155		<10	<10	207	<10	112
G277156		<10	<10	35	<10	57
G277157		<10	<10	46	<10	95
G277158		<10	<10	40	<10	87
G277159		<10	<10	34	<10	67
G277160		<10	<10	61	<10	277
G277161		<10	<10	27	<10	41
G277162		<10	<10	36	<10	82
G277163		<10	<10	43	<10	128
G277164		<10	<10	53	<10	89
G277165		<10	<10	59	<10	86
G277166		<10	<10	41	<10	94
G277167		<10	<10	41	<10	61
G277168		<10	<10	43	<10	73
G277169		<10	<10	33	<10	69
G277170		<10	<10	1	<10	<2
G277171		<10	<10	34	<10	60
G277172		<10	<10	71	<10	76
G277173		<10	<10	256	<10	101
G277174		<10	<10	270	<10	90
G277175		<10	<10	277	<10	95
G277176		<10	<10	281	<10	92
G277177		<10	<10	272	<10	91
G277178		<10	<10	144	<10	65
G277179		<10	<10	221	<10	80
G277180		<10	<10	50	40	50
G277181		<10	<10	244	<10	77
G277182		<10	<10	262	<10	75
G277183		<10	<10	260	<10	91
G277184		<10	<10	184	<10	108
G277185		<10	<10	143	<10	91
G277186		<10	<10	165	<10	126
G277187		<10	<10	135	<10	107
G277188		<10	<10	21	<10	46



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**CERTIFICATE OF ANALYSIS TR12167601**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm
		0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1
G277189		<0.2	0.60	2300	<10	20	<0.5	<2	9.4	<0.5	29	7	54	7.68	<10	<1
G277190		<0.2	0.04	7	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	4	0.06	<10	<1
G277191		<0.2	0.52	206	<10	20	<0.5	<2	6.34	<0.5	36	8	74	7.78	<10	<1
G277192		<0.2	0.42	140	<10	10	<0.5	<2	6.10	<0.5	35	8	57	7.80	<10	<1
G277193		<0.2	0.73	3370	<10	20	<0.5	<2	6.56	<0.5	34	6	87	6.94	<10	<1
G277194		<0.2	0.46	142	<10	10	<0.5	<2	6.39	<0.5	36	9	60	7.48	<10	<1
G277195		<0.2	1.20	134	<10	10	<0.5	<2	6.73	<0.5	36	21	67	7.63	<10	<1
G277196		<0.2	1.99	98	<10	20	<0.5	<2	6.68	<0.5	36	27	72	7.83	<10	<1
G277197		<0.2	3.60	38	<10	10	<0.5	<2	5.26	<0.5	44	39	85	9.33	10	<1
G277198		<0.2	2.88	11	<10	10	<0.5	<2	5.84	<0.5	34	43	57	8.71	10	<1
G277199		<0.2	2.95	4	<10	<10	<0.5	<2	5.46	<0.5	39	37	86	8.62	10	<1
G277200		0.4	0.33	429	<10	1530	<0.5	<2	0.99	<0.5	3	38	39	3.69	<10	4
G277201		<0.2	0.85	14	<10	<10	<0.5	<2	6.72	<0.5	34	19	40	6.70	<10	<1
G277202		<0.2	2.78	27	<10	<10	<0.5	<2	5.66	<0.5	34	40	48	9.21	10	<1
G277203		<0.2	0.42	67	<10	<10	<0.5	<2	5.91	<0.5	35	8	50	7.84	<10	<1
G277204		<0.2	0.77	75	<10	<10	<0.5	<2	5.47	<0.5	40	11	103	7.72	<10	<1
G277205		<0.2	2.63	13	<10	<10	<0.5	<2	5.34	<0.5	38	43	84	8.46	10	<1
G277206		<0.2	2.17	3	<10	<10	<0.5	<2	5.83	<0.5	36	37	84	8.42	10	<1
G277207		<0.2	2.83	3	<10	<10	<0.5	<2	5.81	<0.5	36	46	28	8.04	10	<1
G277208		<0.2	3.69	<2	<10	<10	<0.5	<2	6.45	<0.5	40	52	32	8.79	20	<1
G277209		<0.2	3.33	4	<10	<10	<0.5	<2	6.92	<0.5	40	46	83	8.26	10	<1
G277210		<0.2	0.04	2	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	<1	0.08	<10	<1
G277211		<0.2	3.09	17	<10	<10	<0.5	<2	8.6	<0.5	37	38	105	8.20	10	<1



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %
		0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20	0.01
G277189		0.12	<10	3.15	1535	<1	0.05	27	480	<2	0.42	10	22	137	<20	<0.01
G277190		<0.01	<10	1.69	33	<1	0.02	2	30	<2	0.09	<2	<1	5420	20	<0.01
G277191		0.07	<10	2.97	1300	<1	0.08	32	520	2	0.49	24	24	95	<20	<0.01
G277192		0.08	<10	3.25	1325	<1	0.09	35	540	<2	0.16	6	24	96	<20	<0.01
G277193		0.11	<10	2.70	1160	<1	0.05	30	470	2	0.47	13	20	99	<20	<0.01
G277194		0.08	<10	3.28	1310	<1	0.09	38	530	<2	0.07	6	24	80	<20	<0.01
G277195		0.13	<10	3.51	1390	<1	0.06	42	520	<2	0.10	<2	22	94	<20	<0.01
G277196		0.18	<10	3.35	1565	<1	0.03	38	590	3	0.02	<2	20	125	<20	<0.01
G277197		0.09	<10	3.48	1895	<1	0.02	38	630	2	0.02	<2	25	110	<20	0.01
G277198		0.06	<10	3.20	1845	<1	0.04	27	590	2	<0.01	<2	28	128	<20	0.01
G277199		0.13	<10	3.20	1695	<1	0.04	31	580	3	0.01	2	22	160	<20	0.01
G277200		0.08	<10	0.03	70	13	0.03	16	130	13	0.21	28	1	70	<20	0.01
G277201		0.15	<10	2.35	1535	<1	0.02	24	530	2	0.04	<2	21	162	<20	<0.01
G277202		0.08	<10	3.11	1655	<1	0.04	25	620	2	0.01	<2	30	115	<20	0.01
G277203		0.21	<10	2.71	1645	<1	0.02	23	480	2	0.04	<2	18	168	<20	<0.01
G277204		0.20	<10	2.64	1480	<1	0.02	29	490	2	0.04	<2	22	128	<20	<0.01
G277205		0.05	<10	2.98	1510	<1	0.05	30	580	2	<0.01	<2	31	112	<20	0.01
G277206		0.08	<10	2.73	1690	<1	0.06	30	570	2	0.14	<2	26	139	<20	0.01
G277207		0.06	<10	2.63	1660	<1	0.07	28	660	2	<0.01	<2	31	136	<20	0.04
G277208		0.02	<10	2.68	1715	<1	0.05	31	700	2	0.04	<2	36	135	<20	0.06
G277209		0.03	<10	2.46	1715	<1	0.05	31	640	2	0.02	<2	33	149	<20	0.06
G277210		<0.01	<10	1.61	39	<1	0.02	<1	40	<2	0.14	<2	<1	5430	20	<0.01
G277211		0.10	<10	2.41	1755	<1	0.03	28	570	<2	0.22	<2	26	194	<20	0.04

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Project: Cassiar

**CERTIFICATE OF ANALYSIS TR12167601**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Tl	U	V	W	Zn
		ppm	ppm	ppm	ppm	ppm
		10	10	1	10	2
G277189		<10	<10	30	<10	64
G277190		<10	<10	1	<10	2
G277191		<10	<10	35	<10	81
G277192		<10	<10	33	<10	83
G277193		<10	<10	24	<10	77
G277194		<10	<10	31	<10	79
G277195		<10	<10	53	<10	83
G277196		<10	<10	88	<10	88
G277197		<10	<10	205	<10	113
G277198		<10	<10	215	<10	96
G277199		<10	<10	158	<10	103
G277200		10	<10	26	10	23
G277201		<10	<10	122	<10	86
G277202		<10	<10	203	<10	111
G277203		<10	<10	24	<10	83
G277204		<10	<10	34	<10	82
G277205		<10	<10	226	<10	105
G277206		<10	<10	191	<10	99
G277207		<10	<10	262	<10	100
G277208		<10	<10	337	<10	110
G277209		<10	<10	301	<10	104
G277210		<10	<10	2	<10	<2
G277211		<10	<10	232	<10	99



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**CERTIFICATE OF ANALYSIS TR12167601**

Method	CERTIFICATE COMMENTS
ME-ICP41	Uranium ICP-AES results reported below 250 ppm are considered to be semi-quantitative due to interference when Ce > 250 ppm



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**CERTIFICATE TR12172171**

Project: Cassiar  
 P.O. No.: CMV12-01  
 This report is for 1 Pulp sample submitted to our lab in Terrace, BC, Canada on 27-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
SCR-21	Screen to -100 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: Cassiar

**CERTIFICATE OF ANALYSIS TR12172171**

Sample Description	Method Analyte Units LOR	Au-SCR24 Au Total ppm	Au-SCR24 Au (+) F ppm	Au-SCR24 Au (-) F ppm	Au-SCR24 Au (+) m mg	Au-SCR24 WT. + Fr g	Au-SCR24 WT. - Fr g	Au-AA26 Au ppm	Au-AA26D Au ppm
G277101		15.70	282	9.81	3.996	14.16	643.3	9.57	10.05





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**CERTIFICATE TR12164077**

Project: CMV12-01  
 P.O. No.: CMV12-01\_13  
 This report is for 104 Drill Core samples submitted to our lab in Terrace, BC, Canada on 17-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
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<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS TR12164077
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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	Au-GRA21 Au Check ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm
	G277351		4.30	<0.005			<0.2	3.33	4	<10	10	<0.5	<2	4.66	<0.5	31
G277352		4.26	<0.005			<0.2	2.80	<2	<10	10	<0.5	<2	3.15	<0.5	28	69
G277353		4.52	<0.005			<0.2	2.57	3	<10	20	<0.5	<2	2.65	<0.5	30	67
G277354		4.07	<0.005			<0.2	3.63	19	<10	30	0.6	<2	6.73	<0.5	37	59
G277355		6.18	<0.005			<0.2	4.39	2	10	50	<0.5	<2	5.29	<0.5	36	58
G277356		5.08	<0.005			<0.2	3.78	<2	<10	90	<0.5	<2	4.11	<0.5	37	54
G277357		4.27	<0.005			<0.2	4.40	3	<10	10	<0.5	<2	7.0	0.6	36	64
G277358		4.61	<0.005			<0.2	3.87	14	<10	20	<0.5	<2	6.21	0.7	40	45
G277359		4.83	<0.005			<0.2	4.52	7	<10	10	<0.5	<2	6.05	0.7	40	50
G277360		0.08	9.52	9.23		0.7	1.46	3850	<10	60	0.5	<2	0.79	<0.5	16	65
G277361		3.81	<0.005			<0.2	4.93	18	<10	10	<0.5	<2	6.05	1.0	40	42
G277362		2.95	<0.005			<0.2	1.59	50	<10	50	<0.5	<2	8.6	<0.5	37	21
G277363		4.51	<0.005			0.2	1.45	49	<10	40	<0.5	<2	7.5	0.8	38	24
G277364		4.31	0.019			<0.2	3.67	53	<10	30	<0.5	<2	7.1	0.9	38	33
G277365		3.74	0.005			0.2	0.49	8	<10	190	<0.5	<2	1.10	<0.5	6	10
G277212		6.61	<0.005			<0.2	2.50	2	<10	90	<0.5	<2	1.31	<0.5	32	45
G277213		4.42	<0.005			<0.2	3.35	3	<10	10	0.5	<2	3.59	0.5	35	72
G277214		2.31	<0.005			<0.2	4.38	2	<10	10	<0.5	<2	5.79	0.6	39	126
G277215		1.47	<0.005			<0.2	1.96	6	<10	20	0.7	<2	3.84	0.8	43	39
G277216		2.02	<0.005			<0.2	4.51	8	<10	20	<0.5	<2	5.37	0.9	38	77
G277217		2.66	1.990			1.4	0.32	1135	<10	60	<0.5	<2	6.94	0.8	37	11
G277218		0.92	0.627			0.3	0.17	138	<10	30	<0.5	<2	3.17	<0.5	7	12
G277219		0.82	0.713			1.0	0.58	456	<10	80	0.5	<2	12.4	0.6	16	19
G277220		0.07	0.255			0.4	0.36	444	<10	1240	<0.5	<2	1.03	0.7	5	38
G277221		1.08	>10.0	22.1		2.8	0.44	5490	<10	30	<0.5	<2	5.02	1.6	58	4
G277222		1.99	4.28			1.3	0.33	1775	<10	50	<0.5	<2	7.3	1.0	41	5
G277223		2.14	0.027			0.2	4.13	21	<10	20	<0.5	<2	5.85	0.8	36	32
G277224		4.40	<0.005			<0.2	4.50	7	<10	70	0.6	<2	5.50	0.8	39	43
G277225		<0.02	<0.005			<0.2	4.48	6	<10	70	0.6	<2	5.57	0.9	38	44
G277226		3.49	<0.005			<0.2	3.36	6	<10	200	0.7	<2	3.01	0.7	35	40
G277227		2.58	<0.005			<0.2	3.38	9	<10	440	0.7	<2	3.09	0.8	36	37
G277228		4.45	0.187			0.2	1.94	143	<10	120	0.7	<2	5.21	1.1	38	23
G277229		3.76	<0.005			<0.2	2.80	7	<10	1550	0.7	<2	3.38	0.7	36	35
G277230		0.40	<0.005			6.1	0.05	<2	<10	10	<0.5	<2	>25.0	<0.5	1	<1
G277231		3.01	<0.005			<0.2	1.47	10	<10	210	0.7	<2	4.24	1.1	39	26
G277232		1.89	0.120			0.4	1.71	116	<10	110	0.8	<2	5.31	1.0	38	12
G277233		4.82	<0.005			<0.2	3.53	8	<10	440	0.7	<2	2.58	0.7	36	38
G277234		4.15	<0.005			<0.2	2.59	4	<10	140	0.6	<2	2.11	0.5	31	41
G277235		5.69	<0.005			<0.2	2.56	8	<10	10	<0.5	<2	2.49	0.5	30	82
G277236		1.18	0.852			0.4	0.55	561	<10	60	0.6	<2	5.55	0.5	29	21



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12164077**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
		ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
		1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
G277351		59	6.98	10	<1	<0.01	<10	2.33	1165	<1	0.04	43	720	<2	0.04	3
G277352		150	5.87	10	<1	<0.01	<10	2.13	891	<1	0.04	37	710	<2	0.04	3
G277353		65	5.46	10	<1	<0.01	<10	1.70	842	<1	0.05	37	730	<2	0.26	4
G277354		78	8.82	10	<1	<0.01	<10	2.55	1695	<1	0.02	40	640	<2	0.26	<2
G277355		66	8.48	10	1	0.01	<10	3.12	1510	<1	0.03	36	840	<2	0.25	3
G277356		83	8.25	10	<1	0.01	<10	2.67	1300	<1	0.04	39	890	<2	0.28	<2
G277357		59	7.79	20	1	0.02	<10	3.25	1365	<1	0.03	33	640	<2	0.11	<2
G277358		68	8.02	10	<1	0.03	<10	3.05	1440	<1	0.03	30	680	<2	0.21	<2
G277359		65	8.10	20	1	0.01	<10	3.29	1395	<1	0.03	31	710	<2	0.22	<2
G277360		65	3.59	10	1	0.16	10	0.86	369	6	0.07	62	460	3	0.89	32
G277361		61	8.98	20	1	0.01	<10	3.28	1415	<1	0.02	28	780	<2	0.16	<2
G277362		58	6.02	10	<1	0.05	<10	1.95	1450	<1	0.03	26	730	<2	0.23	<2
G277363		64	7.00	10	<1	0.06	<10	2.08	1820	<1	0.03	27	650	<2	0.24	<2
G277364		69	8.34	10	<1	0.06	<10	2.73	1535	<1	0.02	31	750	<2	0.37	<2
G277365		47	1.65	<10	<1	0.07	10	0.47	381	<1	0.01	15	60	4	0.20	<2
G277212		67	5.41	10	1	0.01	<10	1.71	894	<1	0.04	28	810	<2	0.24	<2
G277213		73	6.69	10	1	<0.01	<10	2.70	1080	<1	0.05	35	740	<2	0.16	<2
G277214		61	7.68	10	1	0.01	<10	3.45	1315	<1	0.03	45	530	<2	0.02	<2
G277215		55	8.65	10	1	<0.01	<10	1.07	1505	<1	0.01	33	1000	<2	0.61	2
G277216		82	9.28	10	1	0.03	<10	3.18	1265	<1	0.02	32	790	<2	0.04	<2
G277217		31	6.82	<10	<1	0.22	<10	3.03	1555	<1	0.01	39	190	<2	4.52	2
G277218		4	2.67	<10	<1	0.10	<10	1.25	710	<1	0.01	5	430	<2	0.87	<2
G277219		3	5.35	<10	<1	0.24	<10	4.91	2510	<1	0.01	15	7500	<2	2.02	<2
G277220		38	3.79	<10	4	0.09	10	0.04	73	13	0.04	15	140	10	0.22	26
G277221		19	25.8	<10	<1	0.24	<10	2.17	1165	<1	0.01	60	1380	<2	>10.0	<2
G277222		26	9.18	<10	<1	0.23	<10	3.08	1615	<1	0.01	30	400	<2	8.62	2
G277223		38	9.21	20	1	0.04	<10	2.85	1355	<1	0.02	22	880	<2	0.23	<2
G277224		57	9.35	20	1	0.01	<10	2.95	1410	<1	0.03	28	900	<2	0.21	<2
G277225		56	9.33	20	1	0.01	<10	2.95	1420	<1	0.03	28	890	<2	0.17	<2
G277226		65	7.83	10	<1	0.02	<10	2.15	1150	<1	0.05	24	1000	<2	0.17	<2
G277227		49	8.63	10	<1	0.04	<10	2.25	1325	<1	0.05	22	1030	<2	0.26	<2
G277228		43	9.34	10	<1	0.10	<10	2.40	1625	<1	0.02	23	980	<2	0.67	<2
G277229		45	8.35	10	1	0.12	<10	2.07	1420	<1	0.10	23	1060	<2	0.12	<2
G277230		2	0.09	<10	<1	<0.01	<10	1.49	32	<1	0.01	<1	40	<2	0.07	<2
G277231		105	9.32	10	<1	0.02	<10	1.86	1840	<1	0.01	25	940	<2	0.48	<2
G277232		44	10.40	10	<1	0.14	<10	2.96	1665	<1	0.01	23	990	<2	0.36	<2
G277233		56	8.79	10	<1	0.04	<10	2.24	1165	<1	0.05	24	1080	<2	0.25	<2
G277234		47	6.09	10	<1	0.01	<10	1.74	979	<1	0.06	24	1010	<2	0.19	<2
G277235		73	5.18	10	<1	0.01	<10	2.16	915	<1	0.03	32	520	<2	0.14	<2
G277236		38	5.45	<10	<1	0.22	<10	2.83	1240	<1	0.01	32	510	<2	2.27	<2



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**CERTIFICATE OF ANALYSIS TR12164077**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Sc ppm 1	Sr ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G277351		17	67	<20	0.46	<10	<10	223	<10	92
G277352		14	61	<20	0.52	<10	<10	184	<10	76
G277353		11	41	<20	0.51	<10	<10	173	<10	69
G277354		32	86	<20	0.02	<10	<10	257	<10	105
G277355		24	54	<20	0.33	<10	<10	282	<10	110
G277356		20	54	<20	0.51	<10	<10	274	<10	97
G277357		29	63	<20	0.05	<10	<10	267	<10	94
G277358		30	63	<20	0.04	<10	<10	250	<10	93
G277359		30	53	<20	0.10	<10	<10	299	<10	94
G277360		4	39	<20	0.10	<10	<10	48	40	49
G277361		31	53	<20	0.10	<10	<10	324	<10	106
G277362		29	82	<20	0.01	<10	<10	191	<10	96
G277363		30	68	<20	<0.01	<10	<10	179	<10	99
G277364		29	67	<20	0.03	<10	<10	237	<10	104
G277365		3	54	<20	<0.01	<10	<10	23	<10	45
G277212		5	33	<20	0.55	<10	<10	138	<10	72
G277213		15	29	<20	0.66	<10	<10	229	<10	80
G277214		29	44	<20	0.19	<10	<10	270	<10	89
G277215		32	26	<20	0.02	<10	<10	315	<10	116
G277216		31	52	<20	0.09	<10	<10	315	<10	111
G277217		26	296	<20	<0.01	<10	<10	21	<10	33
G277218		14	155	<20	<0.01	<10	<10	13	<10	14
G277219		64	758	<20	<0.01	<10	<10	43	<10	40
G277220		1	80	<20	0.01	10	<10	26	10	21
G277221		26	287	<20	<0.01	<10	<10	29	<10	21
G277222		28	387	<20	<0.01	<10	<10	26	<10	41
G277223		26	104	<20	0.08	<10	<10	304	<10	111
G277224		28	100	<20	0.62	<10	<10	356	<10	117
G277225		28	100	<20	0.62	<10	<10	353	<10	117
G277226		11	51	20	0.90	<10	<10	257	<10	104
G277227		12	60	<20	0.80	<10	<10	269	<10	112
G277228		28	96	<20	0.01	<10	<10	232	<10	119
G277229		14	111	<20	0.74	<10	<10	255	<10	109
G277230		<1	5630	20	<0.01	<10	<10	<1	<10	<2
G277231		29	71	<20	0.01	<10	<10	290	<10	114
G277232		29	115	<20	0.01	<10	<10	135	<10	101
G277233		12	44	<20	0.83	<10	<10	286	<10	109
G277234		5	25	20	0.94	<10	<10	206	<10	77
G277235		7	25	<20	0.42	<10	<10	152	<10	59
G277236		21	249	<20	0.01	<10	<10	30	<10	43



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**CERTIFICATE OF ANALYSIS TR12164077**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	Au-GRA21 Au Check ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm
		0.02	0.005	0.05	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1
G277237		1.67	<0.005			<0.2	4.51	11	<10	10	0.5	<2	3.53	0.8	44	127
G277238		4.00	<0.005			0.2	3.12	36	<10	80	<0.5	<2	5.30	0.7	40	91
G277239		3.97	<0.005			<0.2	3.43	58	<10	<10	<0.5	<2	6.35	<0.5	36	63
G277240		0.08	0.693			2.1	0.66	28	<10	80	<0.5	<2	1.84	0.5	9	30
G277241		2.35	4.45			0.3	0.59	716	<10	30	<0.5	<2	7.42	<0.5	31	14
G277242		2.24	1.925			0.4	0.49	562	<10	40	<0.5	<2	7.5	<0.5	33	12
G277243		3.35	0.245			<0.2	2.51	261	<10	10	0.6	<2	6.51	<0.5	34	63
G277244		1.96	0.650			<0.2	1.49	320	<10	40	0.5	<2	7.6	<0.5	32	23
G277245		1.07	1.575			<0.2	0.44	1080	<10	40	0.5	<2	6.64	<0.5	31	9
G277246		3.87	0.007			<0.2	3.03	77	<10	<10	<0.5	<2	6.27	<0.5	34	49
G277247		3.31	0.205			<0.2	0.69	578	<10	20	<0.5	<2	6.04	<0.5	31	13
G277248		1.45	1.300			0.8	0.45	409	<10	30	<0.5	<2	7.01	<0.5	30	8
G277249		2.59	1.310			0.3	0.49	1135	<10	40	<0.5	<2	5.80	<0.5	34	10
G277250		0.32	<0.005			<0.2	0.03	5	<10	<10	<0.5	<2	>25.0	<0.5	2	<1
G277251		1.78	4.94			0.3	0.46	941	<10	30	<0.5	<2	5.91	<0.5	32	12
G277252		3.94	1.110			<0.2	0.39	572	<10	30	0.5	<2	8.8	<0.5	28	10
G277253		3.50	5.69	2.97	3.25	<0.2	0.43	733	<10	40	<0.5	<2	7.0	<0.5	34	11
G277254		2.34	0.064			<0.2	1.14	94	<10	<10	<0.5	<2	6.27	<0.5	33	26
G277255		4.24	<0.005			<0.2	4.33	48	<10	<10	<0.5	<2	7.4	<0.5	33	66
G277256		4.46	<0.005			<0.2	3.89	15	<10	<10	<0.5	<2	4.61	<0.5	32	74
G277257		4.67	<0.005			<0.2	3.01	5	<10	<10	<0.5	<2	2.23	<0.5	33	77
G277258		4.90	<0.005			<0.2	2.52	2	<10	<10	<0.5	<2	1.70	<0.5	28	51
G277259		4.65	0.007			<0.2	3.55	94	<10	10	<0.5	<2	4.96	<0.5	33	69
G277260		0.07	3.56			3.7	1.47	272	<10	420	<0.5	<2	1.31	1.4	10	54
G277261		3.54	<0.005			<0.2	2.37	<2	<10	<10	<0.5	<2	1.79	<0.5	28	47
G277262		4.46	<0.005			<0.2	2.72	<2	<10	<10	<0.5	<2	1.91	<0.5	29	51
G277263		4.61	<0.005			<0.2	3.22	<2	<10	<10	<0.5	<2	3.17	<0.5	31	63
G277264		2.35	<0.005			<0.2	3.86	9	<10	<10	0.6	<2	4.88	<0.5	42	79
G277265		2.47	<0.005			<0.2	3.87	5	<10	<10	<0.5	<2	3.64	<0.5	39	178
G277266		4.15	0.046			<0.2	2.48	79	<10	50	0.5	<2	6.03	<0.5	34	50
G277267		4.45	0.018			<0.2	3.48	76	<10	40	<0.5	<2	5.59	<0.5	38	55
G277268		4.19	<0.005			<0.2	3.13	56	<10	10	<0.5	<2	6.41	<0.5	35	51
G277269		3.52	0.019			<0.2	1.56	103	<10	40	<0.5	<2	6.08	<0.5	34	27
G277270		0.38	<0.005			<0.2	0.05	<2	<10	<10	<0.5	<2	>25.0	<0.5	2	1
G277271		2.06	0.018			<0.2	2.70	66	<10	100	<0.5	<2	6.19	<0.5	35	49
G277272		3.96	<0.005			<0.2	4.75	6	<10	<10	0.5	<2	4.54	<0.5	40	82
G277273		4.15	<0.005			<0.2	4.76	6	<10	<10	<0.5	<2	4.44	<0.5	40	78
G277274		2.15	0.008			<0.2	4.24	25	<10	<10	<0.5	<2	6.07	<0.5	37	68
G277275		2.35	0.006			<0.2	4.14	15	<10	20	<0.5	<2	5.52	<0.5	36	67
G277276		3.67	<0.005			<0.2	4.36	11	<10	10	<0.5	<2	5.75	<0.5	32	71



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
		ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
		1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
G277237		83	8.96	10	1	0.01	<10	3.50	1035	<1	0.03	58	470	<2	0.38	<2
G277238		70	7.27	10	1	0.01	<10	2.97	1365	<1	0.02	46	490	<2	0.26	<2
G277239		66	7.27	10	<1	0.05	<10	2.94	1380	<1	0.04	42	620	<2	0.20	2
G277240		6750	6.44	<10	2	0.28	<10	0.86	911	6	0.07	14	610	20	2.77	27
G277241		93	6.94	<10	<1	0.24	<10	2.68	1400	<1	0.04	33	470	<2	2.56	4
G277242		90	7.36	<10	1	0.23	<10	3.10	1550	<1	0.04	31	380	<2	2.24	2
G277243		58	7.51	10	1	0.13	<10	2.95	1280	<1	0.04	43	500	<2	1.25	4
G277244		55	7.34	<10	1	0.17	<10	2.45	1395	<1	0.04	25	730	<2	1.60	3
G277245		39	6.88	<10	<1	0.22	<10	2.85	1405	<1	0.05	32	470	<2	4.62	3
G277246		61	7.68	10	<1	0.09	<10	3.29	1355	<1	0.05	37	640	<2	0.22	3
G277247		62	6.76	<10	<1	0.21	<10	2.74	1285	<1	0.05	30	590	<2	0.50	3
G277248		49	6.65	<10	1	0.23	<10	2.98	1675	<1	0.05	28	590	<2	2.04	5
G277249		74	7.54	<10	<1	0.25	<10	2.81	1395	<1	0.05	35	500	<2	3.32	5
G277250		<1	0.09	<10	1	0.01	<10	1.70	39	<1	0.03	<1	30	<2	0.13	2
G277251		53	7.31	<10	<1	0.19	<10	2.97	1425	<1	0.05	33	500	<2	1.68	5
G277252		38	6.21	<10	<1	0.20	<10	2.57	1390	<1	0.04	25	480	<2	2.00	<2
G277253		46	7.14	<10	<1	0.24	<10	2.88	1390	<1	0.04	36	480	<2	3.25	2
G277254		56	7.56	<10	1	0.15	<10	3.24	1360	<1	0.06	33	600	<2	0.19	3
G277255		66	7.70	10	1	0.02	<10	3.44	1415	<1	0.05	37	610	<2	0.20	2
G277256		75	7.15	10	<1	<0.01	<10	2.98	1310	<1	0.06	36	670	<2	0.14	2
G277257		82	5.95	10	1	<0.01	<10	2.21	1035	<1	0.07	38	650	<2	0.18	3
G277258		84	4.49	10	<1	<0.01	<10	1.73	715	<1	0.06	37	440	<2	0.17	3
G277259		78	7.05	10	<1	0.02	<10	2.94	1420	<1	0.06	38	640	<2	0.18	4
G277260		73	3.27	<10	5	0.14	10	0.80	453	12	0.09	38	760	287	0.65	30
G277261		70	4.59	10	<1	<0.01	<10	1.74	797	<1	0.07	31	650	<2	0.25	5
G277262		81	4.90	10	<1	<0.01	<10	1.65	825	<1	0.08	34	680	<2	0.22	3
G277263		70	6.37	10	1	<0.01	<10	2.14	998	<1	0.07	35	710	<2	0.25	2
G277264		73	8.13	10	<1	0.01	<10	2.72	1175	<1	0.04	49	690	<2	0.36	4
G277265		79	6.68	10	1	0.01	<10	3.02	1025	<1	0.05	70	490	<2	0.26	2
G277266		62	7.02	10	<1	0.12	<10	3.26	1350	<1	0.05	38	620	<2	0.29	3
G277267		61	8.23	10	1	0.10	<10	3.64	1380	<1	0.04	40	690	<2	0.25	2
G277268		62	7.65	10	<1	0.08	<10	3.44	1370	<1	0.04	35	650	<2	0.07	4
G277269		69	6.94	<10	1	0.14	<10	2.68	1245	<1	0.04	34	570	<2	0.21	2
G277270		<1	0.06	<10	1	<0.01	<10	1.94	25	<1	0.04	<1	40	<2	0.11	2
G277271		48	7.21	10	1	0.05	<10	3.10	1420	<1	0.03	37	630	<2	0.25	2
G277272		72	8.57	10	1	0.01	<10	3.64	1340	<1	0.04	46	760	<2	0.24	2
G277273		70	8.11	10	<1	0.01	<10	3.58	1295	<1	0.04	41	730	<2	0.22	4
G277274		68	8.13	10	<1	0.04	<10	3.67	1430	<1	0.04	38	680	<2	0.25	3
G277275		79	7.79	10	<1	0.03	<10	3.54	1360	<1	0.03	42	680	4	0.23	3
G277276		110	7.29	10	<1	<0.01	<10	3.43	1285	<1	0.03	38	670	3	0.09	3



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**CERTIFICATE OF ANALYSIS TR12164077**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Sc	Sr	Th	Ti	Ti	U	V	W	Zn
Units		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LOR		1	1	20	0.01	10	10	1	10	2
G277237		24	57	<20	0.23	<10	<10	239	<10	77
G277238		33	63	<20	0.06	<10	<10	256	<10	84
G277239		31	82	<20	0.03	<10	<10	220	<10	87
G277240		3	68	<20	0.04	<10	<10	41	<10	100
G277241		22	175	<20	<0.01	<10	<10	37	<10	67
G277242		20	172	<20	<0.01	<10	<10	37	<10	80
G277243		30	120	<20	<0.01	<10	<10	141	<10	75
G277244		25	110	<20	<0.01	<10	<10	86	<10	90
G277245		26	246	<20	<0.01	<10	<10	34	<10	54
G277246		29	99	<20	0.01	<10	<10	173	<10	86
G277247		21	132	<20	<0.01	<10	<10	39	<10	73
G277248		23	192	<20	<0.01	<10	<10	35	<10	49
G277249		19	192	<20	<0.01	<10	<10	31	<10	62
G277250		<1	4960	20	<0.01	<10	<10	1	<10	<2
G277251		20	166	<20	<0.01	<10	<10	34	<10	77
G277252		18	181	<20	<0.01	<10	<10	27	<10	50
G277253		22	183	<20	<0.01	<10	<10	30	<10	55
G277254		27	68	<20	<0.01	<10	<10	76	<10	92
G277255		31	78	<20	0.20	<10	<10	270	<10	88
G277256		19	29	<20	0.64	<10	<10	254	<10	84
G277257		10	27	<20	0.70	<10	<10	200	<10	70
G277258		5	27	<20	0.39	<10	<10	121	<10	50
G277259		20	69	<20	0.51	<10	<10	224	<10	81
G277260		4	37	<20	0.09	<10	<10	59	<10	266
G277261		7	47	<20	0.52	<10	<10	125	<10	53
G277262		5	25	<20	0.56	<10	<10	138	<10	58
G277263		14	44	<20	0.48	<10	<10	199	<10	76
G277264		27	98	<20	0.09	<10	<10	242	<10	92
G277265		26	74	<20	0.18	<10	<10	213	<10	79
G277266		29	107	<20	0.02	<10	<10	157	<10	78
G277267		34	106	<20	0.01	<10	<10	186	<10	89
G277268		30	80	<20	0.01	<10	<10	177	<10	100
G277269		25	67	<20	<0.01	<10	<10	83	<10	83
G277270		<1	5600	20	<0.01	<10	<10	3	<10	<2
G277271		31	127	<20	<0.01	<10	<10	163	<10	80
G277272		24	125	<20	0.22	<10	<10	256	<10	86
G277273		27	117	<20	0.12	<10	<10	268	<10	96
G277274		29	97	<20	0.24	<10	<10	248	<10	90
G277275		28	84	<20	0.30	<10	<10	248	<10	91
G277276		30	51	<20	0.19	<10	<10	275	<10	89



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GR21 Au ppm	Au-GR21 Au Check ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm
G277277		4.14	<0.005			<0.2	4.66	29	<10	40	<0.5	<2	5.82	<0.5	35	71
G277278		3.41	0.013			<0.2	1.84	97	<10	60	<0.5	<2	5.96	<0.5	33	43
G277279		2.70	0.902			0.2	0.76	644	<10	60	<0.5	<2	8.1	<0.5	32	8
G277280		0.07	9.50	10.45		0.4	1.41	3650	<10	60	<0.5	<2	0.72	<0.5	13	62
G277281		0.76	0.225			<0.2	0.03	500	<10	<10	<0.5	<2	0.54	<0.5	1	11
G277282		1.07	4.64			1.8	0.64	1470	<10	90	<0.5	<2	7.4	<0.5	35	9
G277283		2.94	1.260			0.2	0.79	769	<10	60	<0.5	<2	6.02	<0.5	31	12
G277284		1.79	0.585			<0.2	1.12	1175	<10	50	<0.5	<2	5.72	<0.5	31	11
G277285		3.22	<0.005			<0.2	2.37	57	<10	10	<0.5	<2	5.49	<0.5	31	29
G277286		2.65	3.72			<0.2	1.01	347	<10	40	<0.5	<2	5.72	<0.5	34	12
G277287		1.89	0.120			<0.2	3.09	114	<10	20	<0.5	<2	6.64	<0.5	33	41
G277288		3.16	<0.005			<0.2	4.88	37	<10	20	<0.5	<2	5.95	<0.5	36	74
G277289		3.85	<0.005			<0.2	4.54	8	<10	<10	<0.5	<2	5.81	<0.5	36	73
G277290		0.30	<0.005			<0.2	0.10	4	<10	10	<0.5	<2	>25.0	<0.5	1	1
G277291		4.30	<0.005			<0.2	4.66	<2	<10	<10	<0.5	<2	5.75	<0.5	35	71
G277292		4.34	<0.005			<0.2	4.48	2	<10	<10	<0.5	<2	5.95	<0.5	35	60
G277293		2.72	0.098			<0.2	1.99	221	<10	90	<0.5	<2	6.49	<0.5	39	12
G277294		1.24	0.034			<0.2	0.11	51	<10	10	<0.5	<2	5.26	<0.5	4	12
G277295		3.94	0.923			0.2	0.54	1305	<10	70	<0.5	<2	7.6	<0.5	33	7
G277296		3.85	<0.005			<0.2	3.62	44	<10	60	<0.5	<2	6.65	<0.5	37	57
G277297		4.56	<0.005			<0.2	4.33	14	<10	10	<0.5	<2	9.5	<0.5	30	60
G277298		4.93	<0.005			<0.2	4.54	9	<10	10	<0.5	<2	6.22	<0.5	38	74
G277299		3.80	<0.005			<0.2	4.61	9	<10	10	<0.5	<2	6.70	<0.5	38	78
G277300		0.07	3.59			3.8	1.46	266	<10	390	<0.5	<2	1.25	1.4	9	51





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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12164077**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOR	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
G277277		76	7.75	10	<1	0.01	<10	3.63	1315	<1	0.02	39	650	<2	0.12	3
G277278		61	6.66	<10	1	0.16	<10	3.49	1230	<1	0.02	51	460	2	0.13	3
G277279		54	6.69	<10	<1	0.20	<10	2.85	1260	<1	0.02	35	610	2	1.17	2
G277280		62	3.35	<10	<1	0.16	10	0.83	369	6	0.06	60	460	6	0.84	34
G277281		33	1.06	<10	<1	0.01	<10	0.07	134	<1	<0.01	2	100	<2	0.05	<2
G277282		114	6.49	<10	1	0.30	<10	3.12	1365	<1	0.02	37	230	2	4.15	3
G277283		36	7.23	<10	<1	0.19	<10	2.88	1375	<1	0.02	35	480	<2	3.35	4
G277284		69	6.92	<10	<1	0.16	<10	3.02	1360	<1	0.02	32	830	<2	0.90	2
G277285		43	7.87	<10	<1	0.08	<10	3.04	1270	<1	0.06	37	650	<2	0.03	2
G277286		53	6.89	<10	<1	0.18	<10	2.81	1320	<1	0.03	34	540	2	1.25	4
G277287		54	7.25	10	<1	0.08	<10	3.13	1320	<1	0.02	35	580	2	0.37	4
G277288		54	8.08	10	<1	<0.01	<10	3.59	1275	<1	0.02	42	670	2	0.09	3
G277289		70	7.99	10	<1	<0.01	<10	3.68	1435	<1	0.04	45	660	<2	0.11	2
G277290		<1	0.12	<10	1	<0.01	<10	1.78	32	<1	0.02	1	50	<2	0.10	2
G277291		56	8.14	10	<1	<0.01	<10	3.74	1420	<1	0.03	40	610	2	0.09	2
G277292		57	7.98	10	<1	<0.01	<10	3.62	1405	<1	0.03	36	570	<2	0.16	3
G277293		69	7.63	<10	1	0.15	<10	2.93	1370	<1	0.02	33	510	<2	0.28	5
G277294		2	1.42	<10	<1	0.01	<10	0.21	358	<1	0.01	6	50	<2	0.20	3
G277295		25	7.37	<10	<1	0.22	<10	2.93	1570	<1	0.02	31	390	<2	2.14	2
G277296		60	7.75	10	<1	0.04	<10	3.15	1460	<1	0.03	41	630	<2	0.03	4
G277297		62	6.97	10	1	0.01	<10	2.85	1540	<1	0.02	33	570	<2	0.02	3
G277298		91	7.83	10	1	0.01	<10	3.16	1475	<1	0.03	43	760	<2	0.03	3
G277299		57	8.36	10	<1	<0.01	<10	3.15	1470	<1	0.03	47	760	3	0.02	4
G277300		74	3.23	<10	4	0.14	10	0.79	446	12	0.07	37	750	290	0.63	30



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**CERTIFICATE OF ANALYSIS TR12164077**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Sc	Sr	Th	Ti	Ti	U	V	W	
Units		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
LOR		1	1	20	0.01	10	10	1	10	
Zn									2	
G277277		31	83	<20	0.06	<10	<10	271	<10	91
G277278		25	104	<20	<0.01	<10	<10	49	<10	64
G277279		22	189	<20	<0.01	<10	<10	29	<10	63
G277280		4	36	<20	0.09	<10	<10	46	40	47
G277281		1	8	<20	<0.01	<10	<10	2	<10	5
G277282		25	325	<20	<0.01	<10	<10	37	<10	33
G277283		24	225	<20	<0.01	<10	<10	36	<10	42
G277284		24	197	<20	<0.01	<10	<10	29	<10	57
G277285		29	59	<20	<0.01	<10	<10	79	<10	80
G277286		25	138	<20	<0.01	<10	<10	30	<10	61
G277287		27	120	<20	0.02	<10	<10	159	<10	74
G277288		33	89	<20	0.07	<10	<10	292	<10	90
G277289		32	122	<20	0.10	<10	<10	302	<10	91
G277290		1	5390	20	<0.01	<10	<10	4	<10	<2
G277291		30	144	<20	0.09	<10	<10	282	<10	91
G277292		31	111	<20	0.09	<10	<10	280	<10	88
G277293		26	127	<20	<0.01	<10	<10	55	<10	78
G277294		4	26	<20	<0.01	<10	<10	12	<10	20
G277295		25	200	<20	<0.01	<10	<10	31	<10	39
G277296		32	81	<20	0.03	<10	<10	227	<10	93
G277297		29	109	<20	0.02	<10	<10	249	<10	75
G277298		30	87	<20	0.14	<10	<10	271	<10	89
G277299		32	68	<20	0.10	<10	<10	271	<10	99
G277300		4	35	<20	0.09	<10	<10	56	<10	258



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**CERTIFICATE TR12177019**

Project: CMV12-01  
 P.O. No.: CMV12-01\_13  
 This report is for 1 Other sample submitted to our lab in Terrace, BC, Canada on 1-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
SCR-21	Screen to -100 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12177019**

Sample Description	Method Analyte Units LOR	Au-SCR24 Au Total ppm	Au-SCR24 Au (+) F ppm	Au-SCR24 Au (-) F ppm	Au-SCR24 Au (+) m mg	Au-SCR24 WT. + Fr g	Au-SCR24 WT. - Fr g	Au-AA26 Au ppm	Au-AA26D Au ppm
G277221		23.8	19.45	24.2	0.588	30.27	346.5	24.1	24.2



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**CERTIFICATE TR12165065**

Project: CMV12-01  
 P.O. No.: CMV12-01\_14  
 This report is for 117 Drill Core samples submitted to our lab in Terrace, BC, Canada on 17-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
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Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12165065**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G277366		2.34	0.152		<0.2	1.03	1595	<10	10	<0.5	3	5.73	<0.5	33	7	44
G277367		2.66	0.014		<0.2	0.66	95	<10	30	<0.5	<2	5.18	<0.5	33	7	55
G277368		1.07	0.037		<0.2	0.91	68	<10	30	<0.5	<2	4.02	<0.5	23	9	18
G277369		3.23	<0.005		<0.2	1.76	51	<10	20	<0.5	<2	5.15	<0.5	35	17	48
G277370		0.38	<0.005		<0.2	0.04	3	<10	<10	<0.5	<2	>25.0	<0.5	1	1	<1
G277371		0.62	1.005		<0.2	0.39	274	<10	60	<0.5	2	6.25	<0.5	32	5	19
G277372		2.86	0.287		<0.2	0.07	943	<10	20	0.8	<2	18.5	<0.5	3	3	2
G277373		2.78	0.289		0.3	2.76	3920	<10	30	<0.5	<2	6.27	<0.5	34	39	59
G277374		2.47	<0.005		<0.2	3.89	14	<10	20	<0.5	<2	5.02	<0.5	34	56	61
G277375		2.09	<0.005		<0.2	4.05	18	<10	20	<0.5	<2	5.09	<0.5	34	57	63
G277376		4.00	<0.005		<0.2	3.34	5	<10	70	<0.5	<2	3.30	<0.5	32	55	65
G277377		4.84	<0.005		<0.2	4.40	9	<10	10	<0.5	<2	5.62	<0.5	36	54	62
G277378		3.01	<0.005		<0.2	4.75	22	<10	20	<0.5	<2	6.43	<0.5	33	50	57
G277379		2.18	<0.005		<0.2	4.35	56	<10	10	<0.5	<2	6.01	<0.5	35	48	59
G277380		0.07	0.277		0.4	0.36	456	<10	1250	<0.5	<2	1.02	<0.5	3	40	40
G277381		4.49	0.253		<0.2	1.50	1640	<10	30	<0.5	<2	6.36	<0.5	34	13	52
G277382		2.07	2.01		0.7	0.49	>10000	<10	40	<0.5	<2	6.70	<0.5	30	5	26
G277383		1.27	0.366		<0.2	1.15	339	<10	30	<0.5	<2	6.18	<0.5	37	10	49
G277384		3.49	<0.005		<0.2	3.43	65	<10	10	<0.5	<2	5.50	<0.5	35	51	56
G277385		4.59	<0.005		<0.2	3.99	8	<10	10	<0.5	<2	4.60	<0.5	37	56	62
G277386		4.37	<0.005		<0.2	4.36	7	<10	10	<0.5	<2	5.13	<0.5	34	54	56
G277387		4.00	<0.005		<0.2	4.33	2	<10	<10	<0.5	<2	6.03	<0.5	36	51	66
G277388		1.08	<0.005		0.2	3.11	37	<10	10	<0.5	<2	5.60	<0.5	33	44	65
G277389		2.17	0.789		<0.2	0.34	541	<10	50	0.5	<2	6.43	<0.5	42	8	33
G277390		0.34	<0.005		<0.2	0.03	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G277391		3.12	1.200		<0.2	1.27	1440	<10	50	0.5	<2	6.28	<0.5	34	19	54
G277392		4.15	<0.005		<0.2	3.64	11	<10	10	<0.5	<2	6.14	<0.5	33	67	62
G277393		3.23	<0.005		<0.2	4.38	2	<10	10	<0.5	<2	6.28	<0.5	36	115	73
G277394		3.73	<0.005		<0.2	4.36	13	<10	10	<0.5	<2	6.41	<0.5	34	106	76
G277395		1.85	0.725		0.4	0.99	536	<10	120	0.5	<2	6.49	<0.5	37	26	66
G277396		1.61	4.81		1.5	0.27	>10000	<10	40	<0.5	<2	6.43	<0.5	31	3	42
G277397		4.25	0.021		<0.2	3.11	69	<10	10	<0.5	<2	5.19	<0.5	36	33	50
G277398		3.88	0.007		<0.2	1.42	73	<10	20	<0.5	<2	4.94	<0.5	36	14	49
G277399		1.64	0.666		<0.2	1.14	152	<10	50	<0.5	<2	4.28	<0.5	36	8	61
G277400		0.08	0.727		2.3	0.70	29	<10	90	<0.5	2	1.91	0.6	7	32	7080
G277401		2.63	5.47	6.38	13.5	0.69	794	<10	50	<0.5	<2	4.90	<0.5	32	6	64
G277402		4.07	0.034		<0.2	1.01	133	<10	20	<0.5	<2	5.31	<0.5	38	10	56
G277403		1.75	0.140		<0.2	1.15	872	<10	30	<0.5	<2	6.23	<0.5	35	6	49
G277404		2.41	2.05		0.3	0.96	>10000	<10	60	<0.5	<2	6.39	<0.5	36	5	36
G277405		2.47	0.037		<0.2	0.63	142	<10	40	<0.5	<2	5.33	<0.5	34	8	42



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**CERTIFICATE OF ANALYSIS TR12165065**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G277366		8.18	<10	1	0.05	<10	3.01	1425	<1	0.06	31	770	2	0.28	<2	27
G277367		8.09	<10	<1	0.08	<10	3.00	1355	<1	0.05	31	710	<2	0.25	<2	25
G277368		5.87	<10	<1	0.08	<10	2.12	944	<1	0.02	22	510	<2	0.20	<2	18
G277369		8.26	<10	<1	0.09	<10	3.11	1280	<1	0.04	31	720	2	0.22	<2	26
G277370		0.06	<10	<1	<0.01	<10	1.54	30	<1	0.02	1	30	<2	0.14	<2	<1
G277371		7.82	<10	<1	0.20	<10	3.07	1490	<1	0.02	29	720	2	0.96	<2	23
G277372		1.65	<10	<1	0.01	<10	0.28	685	<1	0.01	4	60	<2	0.80	2	2
G277373		8.34	10	<1	0.05	<10	3.18	1370	<1	0.02	38	740	<2	0.59	<2	29
G277374		8.10	10	<1	0.01	<10	3.05	1370	<1	0.03	38	820	<2	0.24	<2	25
G277375		8.35	20	1	0.01	<10	3.12	1400	<1	0.03	37	830	<2	0.20	<2	27
G277376		7.63	10	<1	0.01	<10	2.87	1325	<1	0.04	35	850	<2	0.23	<2	18
G277377		8.78	20	1	<0.01	<10	3.27	1530	<1	0.03	37	810	<2	0.20	<2	32
G277378		8.85	20	1	<0.01	<10	3.30	1510	<1	0.02	38	790	<2	0.18	<2	33
G277379		9.20	20	1	<0.01	<10	3.28	1575	<1	0.02	37	800	<2	0.13	<2	33
G277380		3.85	<10	4	0.09	10	0.03	74	13	0.03	16	140	13	0.23	28	1
G277381		8.74	10	1	0.12	<10	3.05	1560	<1	0.02	35	760	<2	0.43	2	24
G277382		7.91	<10	<1	0.13	<10	2.66	1365	<1	0.02	33	550	<2	2.75	8	18
G277383		8.46	<10	<1	0.10	<10	2.93	1560	<1	0.03	38	760	<2	0.47	2	29
G277384		8.95	20	<1	0.01	<10	3.25	1490	<1	0.04	37	800	<2	0.17	<2	33
G277385		9.02	20	<1	<0.01	<10	3.38	1545	<1	0.04	40	840	<2	0.21	<2	29
G277386		9.10	20	<1	<0.01	<10	3.39	1565	<1	0.03	40	820	<2	0.13	<2	33
G277387		8.73	20	1	<0.01	<10	3.18	1485	<1	0.03	37	780	<2	0.19	<2	31
G277388		8.88	10	<1	0.02	<10	3.04	1640	<1	0.03	36	730	<2	0.31	<2	31
G277389		9.70	<10	1	0.18	<10	3.86	2170	<1	0.02	42	790	<2	1.91	<2	32
G277390		0.05	<10	<1	<0.01	<10	1.84	23	<1	0.02	1	40	<2	0.08	<2	<1
G277391		8.35	10	<1	0.18	<10	3.08	1650	<1	0.03	33	830	<2	1.02	<2	29
G277392		8.57	20	<1	0.02	<10	3.20	1515	<1	0.04	39	670	<2	0.19	<2	31
G277393		7.56	20	1	0.01	<10	3.95	1420	<1	0.03	52	440	<2	0.13	<2	33
G277394		7.67	20	1	0.01	<10	3.93	1300	<1	0.03	48	460	<2	0.13	<2	35
G277395		6.53	<10	<1	0.19	<10	3.11	1580	<1	0.02	40	410	<2	2.38	<2	30
G277396		8.98	<10	1	0.14	<10	2.60	1450	<1	0.02	24	790	<2	6.76	10	23
G277397		9.88	20	<1	0.05	<10	2.77	1605	<1	0.04	27	1070	<2	0.21	<2	28
G277398		10.15	10	<1	0.07	<10	2.78	1685	<1	0.07	26	1080	<2	0.18	2	29
G277399		10.10	<10	<1	0.14	<10	2.59	1395	<1	0.03	27	1070	<2	0.65	<2	26
G277400		6.70	<10	2	0.29	<10	0.89	938	8	0.06	16	630	24	2.85	28	3
G277401		9.97	<10	<1	0.13	<10	2.50	1475	<1	0.03	23	1240	<2	2.29	2	22
G277402		10.20	<10	1	0.11	<10	2.78	1635	<1	0.07	27	1130	<2	0.23	<2	27
G277403		9.89	<10	1	0.11	<10	2.71	1735	<1	0.05	25	1100	<2	0.47	<2	27
G277404		11.10	<10	<1	0.16	<10	2.57	1520	<1	0.02	32	830	<2	6.01	10	23
G277405		9.69	<10	<1	0.16	<10	2.71	1595	<1	0.05	23	1020	<2	0.22	<2	23



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G277366		104	<20	<0.01	<10	<10	34	<10	69
G277367		97	<20	<0.01	<10	<10	35	<10	81
G277368		95	<20	<0.01	<10	<10	29	<10	46
G277369		85	<20	<0.01	<10	<10	69	<10	88
G277370		5030	20	<0.01	<10	<10	1	<10	<2
G277371		208	<20	<0.01	<10	<10	32	<10	53
G277372		74	<20	<0.01	<10	<10	6	<10	5
G277373		175	<20	0.01	<10	<10	206	<10	95
G277374		121	<20	0.23	<10	<10	276	<10	101
G277375		126	<20	0.19	<10	<10	291	<10	107
G277376		69	<20	0.42	<10	<10	233	<10	95
G277377		102	<20	0.34	<10	<10	313	<10	108
G277378		123	<20	0.09	<10	<10	341	<10	107
G277379		124	<20	0.04	<10	<10	337	<10	113
G277380		73	<20	0.01	10	<10	28	10	23
G277381		172	<20	<0.01	<10	<10	83	<10	86
G277382		247	<20	<0.01	<10	<10	24	<10	52
G277383		167	<20	<0.01	<10	<10	50	<10	74
G277384		86	<20	0.03	<10	<10	313	<10	109
G277385		79	<20	0.48	<10	<10	318	<10	117
G277386		127	<20	0.28	<10	<10	351	<10	113
G277387		133	<20	0.09	<10	<10	342	<10	106
G277388		102	<20	0.04	<10	<10	263	<10	105
G277389		257	<20	<0.01	<10	<10	36	<10	66
G277390		5480	20	<0.01	<10	<10	1	<10	<2
G277391		183	<20	0.01	<10	<10	98	<10	90
G277392		126	<20	0.04	<10	<10	273	<10	101
G277393		183	<20	0.02	<10	<10	263	<10	91
G277394		154	<20	0.02	<10	<10	260	<10	86
G277395		230	<20	<0.01	<10	<10	62	<10	53
G277396		295	<20	<0.01	<10	<10	21	<10	60
G277397		76	<20	0.01	<10	<10	251	<10	132
G277398		84	<20	<0.01	<10	<10	105	<10	131
G277399		101	<20	<0.01	<10	<10	47	<10	112
G277400		67	<20	0.04	<10	<10	42	<10	109
G277401		141	<20	<0.01	<10	<10	38	<10	85
G277402		65	<20	<0.01	<10	<10	63	<10	128
G277403		97	<20	<0.01	<10	<10	42	<10	104
G277404		214	<20	<0.01	<10	<10	38	<10	84
G277405		89	<20	<0.01	<10	<10	43	<10	118





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Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
G277406		1.43	>10.0	26.7	3.1	0.49	>10000	<10	40	<0.5	<2	5.33	<0.5	40	4	18
G277407		2.23	<0.005		23.3	0.57	>10000	<10	30	<0.5	<2	5.27	<0.5	48	4	25
G277408		2.75	0.497		0.2	0.36	806	<10	70	<0.5	<2	5.47	<0.5	33	6	16
G277409		1.40	3.10		0.7	0.47	>10000	<10	20	<0.5	<2	4.96	<0.5	42	6	19
G277410		0.39	0.006		0.4	0.05	28	<10	<10	<0.5	<2	>25.0	<0.5	2	1	3
G277411		4.97	<0.005		<0.2	3.09	48	<10	10	<0.5	<2	4.75	<0.5	37	33	50
G277412		1.57	1.180		0.2	0.47	3350	<10	40	<0.5	<2	4.65	<0.5	34	8	41
G277413		4.67	<0.005		<0.2	2.98	34	<10	10	<0.5	<2	4.75	<0.5	36	30	44
G277414		2.85	0.014		0.2	2.28	42	<10	10	<0.5	<2	4.89	<0.5	36	24	57
G277415		3.73	0.031		0.3	0.44	116	<10	20	<0.5	<2	4.36	<0.5	33	8	35
G277416		1.54	0.831		0.3	0.44	871	<10	30	<0.5	<2	4.47	<0.5	31	5	24
G277417		4.83	1.775		0.2	0.54	136	<10	30	<0.5	<2	5.08	<0.5	35	7	40
G277418		1.86	0.018		<0.2	0.90	123	<10	10	<0.5	<2	5.18	<0.5	36	8	30
G277419		1.34	4.14		1.2	0.89	>10000	<10	30	<0.5	<2	5.49	<0.5	39	6	17
G277420		0.07	3.65		3.7	1.51	297	<10	370	<0.5	<2	1.34	1.4	11	54	77
G277421		4.01	0.504		0.4	0.63	2130	<10	30	<0.5	<2	4.80	<0.5	35	7	32
G277422		4.40	0.025		0.3	1.26	136	<10	20	<0.5	<2	5.16	<0.5	37	12	43
G277423		1.01	0.629		<0.2	0.63	8450	<10	30	<0.5	<2	6.51	<0.5	34	9	13
G277424		3.61	0.167		0.2	3.05	334	<10	10	<0.5	<2	4.94	<0.5	41	38	64
G277425		<0.02	0.179		0.2	3.28	334	<10	20	<0.5	<2	5.00	<0.5	40	39	66
G277426		2.55	0.016		<0.2	1.37	164	<10	110	<0.5	<2	5.57	<0.5	37	18	61
G277427		3.95	<0.005		<0.2	4.88	34	<10	120	<0.5	<2	5.83	<0.5	39	47	68
G277428		3.14	<0.005		<0.2	3.79	3	<10	1540	<0.5	<2	4.00	<0.5	35	25	46
G277429		2.15	<0.005		<0.2	3.52	7	<10	460	<0.5	<2	3.14	<0.5	37	25	87
G277430		0.39	<0.005		0.3	0.21	<2	<10	<10	<0.5	<2	>25.0	<0.5	3	1	2
G277431		2.33	0.014		<0.2	3.01	192	<10	10	<0.5	<2	7.07	<0.5	35	47	60
G277432		1.05	0.132		0.2	0.42	42	<10	200	<0.5	<2	1.15	<0.5	8	9	44
G277301		2.62	<0.005		0.2	2.61	43	<10	<10	<0.5	<2	1.82	<0.5	34	45	62
G277302		2.23	<0.005		<0.2	2.74	54	<10	<10	<0.5	<2	2.01	<0.5	32	47	68
G277303		2.63	<0.005		<0.2	1.94	49	<10	270	0.5	<2	4.10	<0.5	43	42	62
G277304		1.90	<0.005		<0.2	2.24	35	<10	40	0.6	<2	7.8	<0.5	39	61	65
G277305		4.81	<0.005		<0.2	4.21	23	<10	<10	<0.5	<2	2.93	<0.5	39	122	86
G277306		1.27	0.053		<0.2	1.92	70	<10	50	0.7	<2	5.38	<0.5	37	50	93
G277307		4.84	<0.005		<0.2	2.42	36	<10	50	<0.5	<2	2.99	<0.5	29	44	73
G277308		4.92	<0.005		0.3	2.57	35	<10	10	<0.5	<2	3.31	<0.5	32	47	65
G277309		3.88	<0.005		<0.2	2.63	32	<10	10	<0.5	<2	2.32	<0.5	31	50	68
G277310		0.37	<0.005		0.2	0.03	2	<10	<10	<0.5	<2	>25.0	<0.5	3	1	2
G277311		2.44	<0.005		<0.2	3.82	44	<10	60	<0.5	<2	4.67	<0.5	36	55	68
G277312		3.11	<0.005		0.2	4.77	57	<10	60	0.5	<2	5.91	<0.5	44	57	71
G277313		3.93	<0.005		<0.2	2.36	58	<10	20	0.6	2	3.46	<0.5	35	40	50



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G277406		15.6	<10	1	0.16	<10	2.23	1275	<1	0.02	37	520	2	>10.0	10	20
G277407		20.3	<10	1	0.25	<10	1.56	1015	<1	0.02	64	1330	5	>10.0	15	15
G277408		9.02	<10	1	0.18	<10	2.65	1640	<1	0.02	22	820	<2	1.24	<2	21
G277409		15.9	<10	<1	0.14	<10	2.27	1280	<1	0.03	45	860	5	>10.0	7	20
G277410		0.11	<10	1	0.01	<10	1.77	34	<1	0.03	1	40	<2	0.15	<2	<1
G277411		9.91	10	<1	0.05	<10	2.61	1570	1	0.07	27	980	<2	0.18	2	25
G277412		9.89	<10	<1	0.11	<10	2.26	1290	1	0.05	23	870	<2	2.75	<2	21
G277413		10.20	10	<1	0.04	<10	2.70	1440	1	0.07	24	960	<2	0.19	<2	27
G277414		9.72	10	<1	0.04	<10	2.59	1440	1	0.09	24	980	<2	0.27	<2	26
G277415		9.13	<10	<1	0.09	<10	2.38	1360	1	0.10	22	880	<2	0.25	4	23
G277416		8.78	<10	<1	0.08	<10	2.36	1320	1	0.05	21	780	<2	1.61	<2	22
G277417		9.75	<10	<1	0.11	<10	2.60	1570	1	0.10	22	970	<2	0.55	<2	25
G277418		9.83	<10	<1	0.12	<10	2.65	1530	<1	0.08	26	1090	<2	0.30	<2	27
G277419		12.20	<10	<1	0.18	<10	2.30	1205	<1	0.03	34	850	3	9.69	11	19
G277420		3.38	<10	5	0.14	<10	0.81	454	13	0.09	40	770	291	0.67	28	4
G277421		9.48	<10	<1	0.18	<10	2.61	1450	<1	0.05	25	970	2	1.29	4	22
G277422		10.20	<10	<1	0.15	<10	2.71	1655	<1	0.08	27	1120	<2	0.37	5	26
G277423		9.32	<10	1	0.13	<10	2.98	1880	<1	0.05	25	1210	<2	0.84	6	26
G277424		10.60	10	1	0.06	<10	3.28	1615	<1	0.05	36	990	2	0.41	3	34
G277425		10.40	10	<1	0.08	<10	3.16	1585	<1	0.06	36	960	2	0.46	4	34
G277426		7.88	<10	1	0.23	<10	3.03	1535	<1	0.10	37	720	<2	0.13	3	27
G277427		9.58	20	<1	0.01	<10	3.19	1585	<1	0.04	34	940	3	0.24	2	33
G277428		9.41	10	<1	0.13	<10	2.73	1790	<1	0.08	25	1140	<2	0.22	<2	16
G277429		9.05	10	1	0.09	<10	2.51	1495	<1	0.06	25	1200	<2	0.75	6	14
G277430		0.10	<10	<1	0.02	<10	1.87	41	<1	0.03	1	70	<2	0.13	<2	<1
G277431		7.06	10	<1	0.06	<10	3.11	1670	<1	0.05	42	640	<2	0.16	<2	30
G277432		1.76	<10	<1	0.09	<10	0.55	340	<1	0.02	21	60	3	0.38	2	4
G277301		5.39	10	<1	<0.01	<10	1.60	870	<1	0.05	33	800	<2	0.21	<2	5
G277302		6.15	10	<1	0.01	<10	1.66	890	<1	0.06	33	860	<2	0.47	<2	6
G277303		8.28	10	1	0.01	<10	1.45	1860	<1	0.03	41	790	<2	0.66	4	27
G277304		5.49	10	<1	0.01	<10	1.97	1290	<1	0.02	50	610	<2	0.33	<2	29
G277305		8.75	10	1	0.01	<10	3.45	1110	<1	0.06	57	450	2	0.16	<2	19
G277306		6.58	10	2	0.07	<10	1.99	1320	<1	0.03	36	580	<2	0.49	2	30
G277307		5.31	10	<1	0.01	<10	1.50	911	<1	0.06	31	780	<2	0.24	2	5
G277308		5.32	10	<1	0.01	<10	1.58	952	<1	0.06	31	790	<2	0.19	<2	5
G277309		5.81	10	<1	0.01	<10	1.58	976	<1	0.07	34	890	<2	0.19	<2	6
G277310		0.04	<10	<1	<0.01	<10	1.69	28	<1	0.03	1	30	<2	0.06	<2	<1
G277311		7.88	10	<1	0.02	<10	2.47	1340	<1	0.05	38	860	<2	0.26	<2	16
G277312		9.40	20	1	0.01	<10	3.02	1490	<1	0.04	44	850	<2	0.29	4	27
G277313		7.78	10	<1	<0.01	<10	1.20	1175	<1	0.01	36	700	2	0.15	<2	27



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G277406		214	<20	<0.01	<10	<10	28	<10	42
G277407		156	<20	<0.01	<10	<10	42	<10	40
G277408		151	<20	<0.01	<10	<10	34	<10	68
G277409		168	<20	<0.01	<10	<10	32	<10	63
G277410		5700	20	<0.01	<10	10	2	<10	11
G277411		77	<20	0.03	<10	<10	256	<10	123
G277412		142	<20	<0.01	<10	<10	47	<10	76
G277413		84	<20	0.02	<10	<10	241	<10	128
G277414		72	<20	0.01	<10	<10	183	<10	122
G277415		81	<20	<0.01	<10	<10	48	<10	115
G277416		134	<20	<0.01	<10	<10	34	<10	66
G277417		80	<20	<0.01	<10	<10	48	<10	105
G277418		84	<20	<0.01	<10	<10	47	<10	128
G277419		222	<20	<0.01	<10	<10	29	<10	44
G277420		37	<20	0.09	<10	<10	60	<10	270
G277421		130	<20	<0.01	<10	<10	39	<10	94
G277422		79	<20	<0.01	<10	<10	80	<10	116
G277423		204	<20	<0.01	<10	<10	54	<10	75
G277424		93	<20	0.01	<10	<10	270	<10	131
G277425		92	<20	0.01	<10	<10	281	<10	129
G277426		107	<20	<0.01	<10	<10	75	<10	78
G277427		81	<20	0.31	<10	<10	354	<10	116
G277428		187	<20	0.65	10	<10	243	<10	127
G277429		120	<20	0.69	<10	<10	231	<10	106
G277430		5040	20	0.02	<10	10	3	<10	7
G277431		84	<20	0.01	<10	<10	179	<10	84
G277432		51	<20	<0.01	<10	<10	15	<10	36
G277301		40	<20	0.78	<10	<10	152	<10	61
G277302		31	<20	0.93	<10	<10	177	<10	75
G277303		49	<20	0.05	<10	<10	259	<10	120
G277304		101	<20	<0.01	<10	<10	186	<10	75
G277305		38	<20	0.38	<10	<10	228	<10	84
G277306		111	<20	<0.01	<10	<10	190	<10	177
G277307		32	<20	0.73	10	<10	156	<10	59
G277308		28	<20	0.79	<10	<10	165	<10	70
G277309		23	<20	0.84	<10	<10	195	<10	73
G277310		4940	20	<0.01	<10	10	2	<10	<2
G277311		36	<20	0.69	<10	<10	273	<10	109
G277312		62	<20	0.13	<10	<10	339	<10	125
G277313		28	<20	0.01	<10	<10	271	<10	113



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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12165065**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G277314		4.33	0.012		<0.2	1.59	303	<10	40	<0.5	<2	2.43	<0.5	39	42	63
G277315		4.04	<0.005		<0.2	2.08	13	<10	30	0.6	<2	3.57	<0.5	41	42	65
G277316		3.41	<0.005		<0.2	4.55	14	<10	20	0.7	<2	5.37	<0.5	43	52	62
G277317		3.18	<0.005		<0.2	4.44	7	<10	140	<0.5	<2	4.92	<0.5	39	55	59
G277318		3.78	0.060		0.2	1.54	76	<10	70	0.6	2	8.5	<0.5	32	28	46
G277319		3.53	0.013		0.2	1.33	97	<10	20	<0.5	<2	6.16	<0.5	34	18	90
G277320		0.08	0.267		0.5	0.39	421	<10	960	<0.5	2	1.03	<0.5	3	41	36
G277321		2.41	0.082		<0.2	0.99	606	<10	30	<0.5	3	6.33	<0.5	31	9	47
G277322		0.53	1.610		0.3	0.20	246	<10	30	<0.5	<2	2.52	<0.5	11	13	16
G277323		2.66	4.18		1.0	0.50	706	<10	50	<0.5	2	5.74	<0.5	37	9	82
G277324		3.09	<0.005		<0.2	1.79	84	<10	20	<0.5	2	5.68	<0.5	38	16	75
G277325		<0.02	<0.005		<0.2	1.69	84	<10	10	<0.5	<2	5.64	<0.5	36	15	74
G277326		2.14	0.762		0.2	0.68	894	<10	60	<0.5	<2	7.6	<0.5	38	9	37
G277327		0.98	>10.0	20.7	1.4	0.32	>10000	<10	30	<0.5	3	8.7	<0.5	14	8	7
G277328		1.50	0.320		0.2	0.35	350	<10	50	<0.5	2	7.7	<0.5	32	10	42
G277329		0.98	0.968		0.3	0.17	2830	<10	30	0.6	<2	11.5	<0.5	10	9	6
G277330		0.35	<0.005		<0.2	0.04	6	<10	10	<0.5	<2	>25.0	<0.5	<1	1	<1
G277331		3.62	0.401		0.2	0.39	736	<10	50	<0.5	2	7.6	<0.5	31	12	48
G277332		3.56	<0.005		0.2	3.13	75	<10	10	<0.5	<2	6.6	<0.5	35	41	55
G277333		3.77	<0.005		0.2	3.04	33	<10	10	<0.5	<2	5.89	<0.5	38	45	66
G277334		3.85	<0.005		0.2	2.82	12	<10	10	<0.5	<2	6.37	<0.5	37	81	39
G277335		3.23	<0.005		<0.2	2.30	<2	<10	10	<0.5	3	5.91	<0.5	29	80	8
G277336		2.40	<0.005		<0.2	3.90	4	<10	10	<0.5	<2	7.1	<0.5	34	53	51
G277337		3.91	<0.005		<0.2	4.23	3	<10	10	<0.5	2	6.27	<0.5	34	50	56
G277338		2.71	<0.005		0.2	3.54	27	<10	10	<0.5	<2	5.43	<0.5	36	54	53
G277339		1.39	1.545		1.7	2.66	5360	<10	90	<0.5	<2	7.7	<0.5	33	26	39
G277340		0.08	0.711		2.2	0.68	27	<10	60	<0.5	<2	1.87	0.5	7	30	6860
G277341		0.52	0.204		<0.2	0.11	1130	<10	70	<0.5	<2	10.2	<0.5	2	6	9
G277342		0.77	0.376		0.5	2.42	2370	<10	260	<0.5	2	7.29	<0.5	37	9	67
G277343		4.08	<0.005		<0.2	1.60	107	<10	10	<0.5	<2	5.22	<0.5	35	13	48
G277344		2.91	<0.005		<0.2	1.33	115	<10	10	<0.5	3	5.51	<0.5	35	11	43
G277345		1.44	0.040		0.4	0.83	82	<10	20	<0.5	2	8.7	<0.5	25	9	816
G277346		3.99	0.075		<0.2	2.37	75	<10	10	<0.5	<2	5.96	<0.5	35	27	50
G277347		3.97	<0.005		<0.2	3.31	23	<10	10	<0.5	2	5.84	<0.5	34	48	47
G277348		3.47	<0.005		0.2	2.33	44	<10	20	<0.5	<2	6.05	<0.5	34	27	46
G277349		1.97	0.431		0.2	0.80	4040	<10	40	<0.5	<2	6.7	<0.5	28	8	33
G277350		0.36	<0.005		0.3	0.05	6	<10	10	<0.5	<2	>25.0	<0.5	<1	1	1



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**CERTIFICATE OF ANALYSIS TR12165065**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
Units	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
G277314	9.50	10	<1	<0.01	<10	1.71	1345	<1	0.02	37	740	<2	0.20	3	29	
G277315	9.57	10	<1	<0.01	<10	1.75	1420	<1	0.01	39	800	<2	0.50	<2	31	
G277316	10.05	10	<1	<0.01	<10	2.99	1275	<1	0.02	46	830	<2	0.75	<2	28	
G277317	9.78	10	<1	0.03	<10	3.25	1465	<1	0.03	38	830	<2	0.26	<2	27	
G277318	6.88	<10	<1	0.08	<10	1.79	1065	<1	0.02	30	730	<2	0.38	<2	25	
G277319	8.02	<10	<1	0.09	<10	2.61	1375	<1	0.05	30	680	2	0.28	<2	27	
G277320	3.78	<10	3	0.09	10	0.03	75	13	0.03	13	140	13	0.21	28	1	
G277321	7.95	<10	<1	0.15	<10	2.66	1395	<1	0.03	31	690	<2	0.31	<2	22	
G277322	3.53	<10	<1	0.10	<10	0.80	596	<1	0.02	13	210	<2	1.11	<2	7	
G277323	8.41	<10	<1	0.19	<10	2.82	1390	<1	0.03	31	560	<2	3.49	<2	23	
G277324	8.04	<10	<1	0.15	<10	2.96	1225	<1	0.06	38	580	<2	0.09	<2	27	
G277325	7.90	<10	<1	0.12	<10	2.95	1205	<1	0.05	36	580	<2	0.08	<2	27	
G277326	7.61	<10	<1	0.24	<10	3.25	1535	<1	0.03	38	440	<2	1.80	<2	25	
G277327	4.70	<10	<1	0.10	<10	0.95	829	<1	0.02	19	2270	<2	2.62	4	8	
G277328	6.25	<10	<1	0.22	<10	3.30	1370	<1	0.02	38	280	<2	0.86	<2	19	
G277329	2.99	<10	<1	0.11	<10	0.96	736	<1	0.02	13	210	<2	1.30	2	8	
G277330	0.05	<10	<1	0.01	<10	1.44	23	<1	0.02	<1	30	<2	0.07	2	<1	
G277331	6.24	<10	<1	0.21	<10	3.09	1260	<1	0.02	38	290	2	0.71	2	21	
G277332	8.69	10	<1	0.05	<10	3.50	1295	<1	0.03	37	690	<2	0.17	<2	29	
G277333	8.61	10	<1	0.02	<10	3.17	1330	<1	0.05	37	730	<2	0.34	<2	30	
G277334	7.51	10	<1	0.03	<10	3.54	1735	<1	0.06	44	530	<2	0.12	<2	33	
G277335	6.49	10	<1	0.05	<10	3.11	1340	<1	0.06	42	360	<2	0.07	<2	27	
G277336	7.94	10	<1	0.01	<10	3.28	1445	<1	0.04	34	690	<2	0.15	<2	31	
G277337	8.86	20	<1	0.01	<10	3.22	1470	<1	0.03	34	790	<2	0.23	<2	32	
G277338	9.21	20	<1	0.01	<10	3.26	1605	<1	0.04	35	780	<2	0.17	<2	32	
G277339	8.82	10	<1	0.08	<10	3.19	1610	<1	0.02	31	700	<2	1.08	<2	27	
G277340	6.49	<10	1	0.27	<10	0.83	870	7	0.06	13	600	23	2.70	25	3	
G277341	1.04	<10	<1	0.01	<10	0.20	805	<1	0.01	1	40	<2	0.10	<2	2	
G277342	8.90	<10	<1	0.13	<10	3.34	1445	<1	0.04	34	700	<2	0.73	2	27	
G277343	8.16	<10	<1	0.05	<10	2.81	1275	<1	0.10	33	740	<2	0.18	<2	28	
G277344	8.69	<10	<1	0.04	<10	3.00	1365	<1	0.11	35	770	<2	0.13	<2	29	
G277345	6.51	<10	<1	0.03	<10	2.63	1510	<1	0.07	21	570	<2	0.17	7	26	
G277346	8.56	10	<1	0.02	<10	3.11	1575	<1	0.07	33	750	<2	0.22	<2	31	
G277347	8.89	10	<1	0.01	<10	3.26	1535	<1	0.04	35	760	<2	0.16	<2	31	
G277348	8.31	10	<1	0.09	<10	3.02	1360	<1	0.06	33	740	<2	0.17	<2	28	
G277349	7.56	<10	<1	0.14	<10	2.93	1410	<1	0.03	28	1510	<2	0.35	<2	19	
G277350	0.10	<10	<1	0.01	<10	2.26	39	<1	0.02	1	40	<2	0.08	<2	<1	



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12165065**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G277314		19	<20	0.01	<10	<10	327	<10	114
G277315		37	<20	0.01	<10	<10	316	<10	122
G277316		85	<20	0.02	<10	<10	315	<10	114
G277317		98	<20	0.20	<10	<10	308	<10	112
G277318		76	<20	<0.01	<10	<10	161	<10	91
G277319		69	<20	<0.01	<10	<10	84	<10	109
G277320		76	<20	0.01	10	<10	27	10	21
G277321		88	<20	<0.01	<10	<10	41	<10	90
G277322		47	<20	<0.01	<10	<10	14	<10	12
G277323		149	<20	<0.01	<10	<10	34	<10	66
G277324		59	<20	<0.01	<10	<10	42	<10	92
G277325		60	<20	<0.01	<10	<10	38	<10	89
G277326		213	<20	<0.01	<10	<10	29	<10	53
G277327		112	<20	<0.01	<10	<10	17	<10	19
G277328		177	<20	<0.01	<10	<10	18	<10	50
G277329		110	<20	<0.01	<10	<10	12	<10	11
G277330		5400	20	<0.01	<10	<10	1	<10	<2
G277331		137	<20	<0.01	<10	<10	21	<10	50
G277332		80	<20	<0.01	<10	<10	163	<10	97
G277333		60	<20	0.01	<10	<10	230	<10	105
G277334		64	<20	0.01	<10	<10	188	<10	87
G277335		59	<20	0.01	<10	<10	148	<10	67
G277336		88	<20	0.02	<10	<10	270	<10	95
G277337		98	<20	0.02	<10	<10	298	<10	106
G277338		80	<20	0.01	<10	<10	295	<10	116
G277339		164	<20	<0.01	<10	<10	128	<10	73
G277340		63	<20	0.04	<10	<10	40	<10	99
G277341		86	<20	<0.01	<10	<10	6	<10	78
G277342		146	<20	<0.01	<10	<10	41	<10	70
G277343		65	<20	<0.01	<10	<10	60	<10	103
G277344		65	<20	<0.01	<10	<10	52	<10	102
G277345		100	<20	<0.01	<10	<10	42	<10	286
G277346		98	<20	<0.01	<10	<10	155	<10	92
G277347		91	<20	0.01	<10	<10	254	<10	100
G277348		92	<20	<0.01	<10	<10	112	<10	89
G277349		134	<20	<0.01	<10	<10	39	<10	62
G277350		4700	20	<0.01	<10	<10	2	<10	4



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**CERTIFICATE TR12180380**

Project: CMV12-01  
 P.O. No.: CMV12-01\_14  
 This report is for 2 Pulp samples submitted to our lab in Terrace, BC, Canada on 3-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
BAG-01	Bulk Master for Storage
SCR-21	Screen to -100 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12180380**

Sample Description	Method Analyte Units LOR	Au-SCR24 Au Total ppm	Au-SCR24 Au (+) F ppm	Au-SCR24 Au (-) F ppm	Au-SCR24 Au (+) m mg	Au-SCR24 WT. + Fr g	Au-SCR24 WT. - Fr g	Au-AA26 Au ppm	Au-AA26D Au ppm
G277406		23.7	76.5	23.0	0.850	11.12	810.1	21.9	24.1
G277327		19.65	602	12.35	5.114	8.50	678.9	12.45	12.25





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**CERTIFICATE TR12166391**

Project: CMV12-01\_15  
 P.O. No.: CMV12-01\_15  
 This report is for 90 Drill Core samples submitted to our lab in Terrace, BC, Canada on 17-JUL-2012.  
 The following have access to data associated with this certificate:

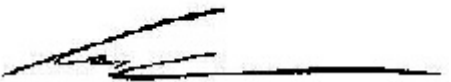
DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
 VANCOUVER BC V6C 1E5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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 Account: EIACMV

Project: CMV12-01\_15

**CERTIFICATE OF ANALYSIS TR12166391**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm
		0.02	0.005	0.05
G277433		2.43	0.440	
G277434		2.21	0.029	
G277435		3.55	0.008	
G277436		2.60	0.042	
G277437		4.62	0.016	
G277438		2.44	<0.005	
G277439		0.93	0.006	
G277440		0.08	0.259	
G277441		3.59	<0.005	
G277442		4.71	<0.005	
G277443		4.28	<0.005	
G277444		4.21	<0.005	
G277445		3.11	<0.005	
G277446		3.11	<0.005	
G277447		4.26	0.081	
G277448		4.07	0.138	
G277449		4.01	<0.005	
G277450		0.37	<0.005	
G277451		1.85	1.290	
G277452		3.77	0.061	
G277453		4.44	0.014	
G277454		4.36	<0.005	
G277455		4.22	<0.005	
G277456		4.40	<0.005	
G277457		4.10	<0.005	
G277458		4.48	0.017	
G277459		3.30	0.012	
G277460		0.07	0.691	
G277461		1.26	0.159	
G277462		3.98	0.040	
G277463		4.94	<0.005	
G277464		2.36	<0.005	
G277465		4.42	<0.005	
G277466		2.49	0.147	
G277467		1.48	1.270	
G277468		2.22	0.034	
G277469		4.75	<0.005	
G277470		0.40	<0.005	
G277471		4.64	<0.005	
G277472		4.24	0.061	



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**CERTIFICATE OF ANALYSIS TR12166391**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm
		0.02	0.005	0.05
G277473		4.09	<0.005	
G277474		3.51	<0.005	
G277475		1.74	<0.005	
G277476		1.86		9.49
G277477		3.08	0.071	
G277478		2.72	0.120	
G277479		1.21	0.684	
G277480		0.08	3.45	
G277481		3.27	0.021	
G277482		4.31	<0.005	
G277483		4.33	<0.005	
G277484		5.26	<0.005	
G277485		4.44	<0.005	
G277486		2.50	0.484	
G277487		2.27	0.439	
G277488		1.82	4.76	
G277489		4.35	<0.005	
G277490		0.44	0.013	
G277491		4.78	<0.005	
G277492		2.64	<0.005	
G277493		2.93	0.012	
G277494		1.37	1.880	
G277495		3.02	0.132	
G277496		1.56	1.235	
G277497		3.70	0.013	
G277498		4.73	<0.005	
G277499		4.66	<0.005	
G277500		0.07	9.99	10.50
G277501		4.53	0.021	
G277502		3.23	0.141	
G277503		4.60	0.246	
G277504		1.58	0.046	
G277505		2.20	0.822	
G277506		2.77	0.552	
G277507		2.12	0.230	
G277508		4.21	<0.005	
G277509		3.46	0.163	
G277510		0.44	<0.005	
G277511		4.00	0.014	
G277512		2.99	0.008	



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**CERTIFICATE OF ANALYSIS TR12166391**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA23 Au ppm 0.005	Au-GRA21 Au ppm 0.05
G277513		3.39	1.660	
G277514		4.77	1.285	
G277515		4.71	0.721	
G277516		3.11	4.42	
G277517		2.41	0.277	
G277518		2.72	0.118	
G277519		3.19	0.009	
G277520		0.09	0.267	
G277521		4.56	0.071	
G277522		3.34	0.045	



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**CERTIFICATE TR12167608**

Project: CMV12-01\_15  
 P.O. No.: CMV12-01\_15  
 This report is for 90 Drill Core samples submitted to our lab in Terrace, BC, Canada on 31-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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 Account: EIACMV

Project: CMV12-01\_15

**CERTIFICATE OF ANALYSIS TR12167608**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm
		0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1
G277433		0.2	2.78	53	<10	30	<0.5	<2	5.71	<0.5	32	33	45	8.72	10	<1
G277434		0.2	1.72	18	<10	40	<0.5	<2	5.15	<0.5	30	28	12	5.70	10	<1
G277435		<0.2	3.73	16	<10	20	<0.5	<2	5.26	<0.5	36	42	54	9.83	10	<1
G277436		<0.2	2.79	16	<10	10	<0.5	<2	5.93	<0.5	32	34	44	8.64	10	<1
G277437		<0.2	4.46	9	<10	10	<0.5	<2	4.63	<0.5	37	45	69	8.74	20	<1
G277438		0.2	4.49	9	<10	10	<0.5	<2	5.65	<0.5	38	48	47	8.70	20	<1
G277439		<0.2	2.73	28	<10	10	0.6	<2	6.67	<0.5	43	38	81	5.26	10	<1
G277440		0.3	0.36	450	<10	700	<0.5	<2	0.99	<0.5	4	39	37	3.78	<10	3
G277441		<0.2	4.47	21	<10	10	<0.5	<2	5.27	<0.5	39	49	56	8.58	20	<1
G277442		<0.2	3.87	21	<10	10	0.5	<2	5.43	<0.5	34	45	54	7.96	20	<1
G277443		<0.2	4.40	11	<10	<10	<0.5	<2	5.57	<0.5	37	51	61	8.82	20	<1
G277444		<0.2	4.45	12	<10	<10	<0.5	<2	5.31	<0.5	34	51	49	8.86	20	<1
G277445		<0.2	4.37	19	<10	10	<0.5	<2	5.78	<0.5	35	49	62	8.98	20	<1
G277446		<0.2	4.76	7	<10	<10	<0.5	<2	5.72	<0.5	37	52	55	9.31	20	<1
G277447		<0.2	3.24	73	<10	10	<0.5	<2	5.97	<0.5	32	43	56	9.31	10	<1
G277448		<0.2	3.09	49	<10	20	<0.5	<2	5.83	<0.5	34	45	56	8.95	10	<1
G277449		0.2	3.24	61	<10	320	<0.5	<2	5.30	<0.5	34	43	55	9.18	10	<1
G277450		1.0	0.08	<2	<10	10	<0.5	<2	>25.0	<0.5	2	<1	<1	0.12	<10	<1
G277451		0.2	0.83	409	<10	60	<0.5	<2	6.13	<0.5	30	12	37	7.26	<10	<1
G277452		<0.2	1.01	112	<10	30	<0.5	<2	4.96	<0.5	36	13	54	7.99	<10	<1
G277453		0.2	3.25	59	<10	10	0.5	<2	7.8	<0.5	33	46	51	8.30	10	<1
G277454		<0.2	4.86	22	<10	20	0.5	<2	5.34	<0.5	39	55	65	9.57	20	<1
G277455		<0.2	4.64	8	<10	20	<0.5	<2	5.62	<0.5	37	51	57	8.95	20	<1
G277456		<0.2	4.36	5	<10	20	<0.5	<2	5.58	<0.5	36	53	55	8.72	20	<1
G277457		<0.2	3.59	49	<10	10	<0.5	<2	5.63	<0.5	34	50	51	8.47	20	<1
G277458		0.3	3.45	362	<10	10	<0.5	<2	5.37	<0.5	36	50	54	9.32	20	1
G277459		<0.2	1.02	157	<10	30	<0.5	<2	5.39	<0.5	35	12	51	8.81	<10	<1
G277460		2.5	0.68	27	<10	60	<0.5	4	1.87	0.5	9	32	7030	6.70	<10	2
G277461		1.9	0.59	3340	<10	20	<0.5	<2	8.4	<0.5	27	6	656	6.90	<10	<1
G277462		<0.2	0.71	116	<10	30	<0.5	<2	5.53	<0.5	35	10	29	8.69	<10	<1
G277463		<0.2	0.79	59	<10	10	<0.5	<2	5.80	<0.5	34	11	68	8.49	<10	<1
G277464		<0.2	2.30	42	<10	20	<0.5	<2	5.65	<0.5	31	29	39	7.79	10	<1
G277465		<0.2	2.97	13	<10	10	<0.5	<2	5.58	<0.5	37	45	43	8.88	10	1
G277466		<0.2	2.29	1680	<10	30	<0.5	<2	6.36	<0.5	34	32	49	8.45	10	<1
G277467		0.6	0.28	4600	<10	50	<0.5	<2	13.6	<0.5	24	4	17	5.19	<10	<1
G277468		<0.2	0.49	98	<10	30	<0.5	<2	5.24	<0.5	36	10	52	8.31	<10	<1
G277469		<0.2	1.88	39	<10	10	<0.5	<2	5.26	<0.5	36	29	54	8.70	10	<1
G277470		<0.2	0.06	<2	<10	10	<0.5	<2	>25.0	<0.5	1	<1	<1	0.07	<10	<1
G277471		0.3	1.88	66	<10	10	<0.5	<2	6.05	<0.5	34	31	46	8.56	10	<1
G277472		<0.2	2.07	601	<10	20	<0.5	<2	5.81	<0.5	33	30	50	8.46	10	<1



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 Account: EIACMV

Project: CMV12-01\_15

**CERTIFICATE OF ANALYSIS TR12167608**

Sample Description	Method Analyte Units LOR	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm	ME-ICP41 Th ppm	ME-ICP41 Ti %
G277433		0.07	<10	2.80	1610	<1	0.02	29	820	3	0.28	<2	28	89	<20	0.01
G277434		0.01	<10	1.72	1285	<1	0.01	25	700	2	0.21	3	24	64	<20	<0.01
G277435		0.01	<10	3.30	1700	<1	0.03	30	800	<2	0.17	2	34	79	<20	0.01
G277436		0.01	<10	2.83	1550	<1	0.03	28	760	2	0.20	<2	31	98	<20	0.01
G277437		<0.01	<10	3.19	1455	<1	0.02	31	830	3	0.08	<2	33	87	<20	0.09
G277438		<0.01	<10	3.03	1450	<1	0.01	34	820	3	0.20	<2	32	126	<20	0.04
G277439		0.01	<10	1.50	1170	<1	0.01	37	850	<2	1.11	5	28	152	<20	0.01
G277440		0.08	10	0.03	72	13	0.02	15	130	13	0.20	25	1	72	<20	0.01
G277441		<0.01	<10	3.15	1385	<1	0.01	33	820	<2	0.26	<2	33	114	<20	0.07
G277442		<0.01	<10	2.69	1430	<1	0.01	30	760	<2	0.25	2	30	123	<20	0.07
G277443		<0.01	<10	3.11	1580	<1	0.02	32	800	3	0.14	2	33	137	<20	0.07
G277444		<0.01	<10	3.02	1405	<1	0.02	32	830	2	0.12	<2	33	143	<20	0.08
G277445		<0.01	<10	2.97	1385	<1	0.02	31	770	2	0.20	<2	31	161	<20	0.05
G277446		<0.01	<10	3.08	1320	1	0.02	32	820	2	0.08	2	32	189	<20	0.05
G277447		0.03	<10	3.30	1635	<1	0.02	32	790	2	0.15	2	32	147	<20	0.01
G277448		0.03	<10	3.17	1530	<1	0.03	34	760	2	0.20	<2	31	126	<20	0.01
G277449		0.04	<10	3.20	1535	<1	0.01	35	760	3	0.15	<2	31	108	<20	0.01
G277450		<0.01	<10	1.65	37	<1	0.01	<1	40	<2	0.05	<2	<1	5200	20	<0.01
G277451		0.16	<10	2.60	1420	<1	0.01	26	680	3	1.36	2	23	192	<20	<0.01
G277452		0.15	<10	2.74	1305	<1	0.02	29	480	2	0.33	<2	21	119	<20	<0.01
G277453		0.01	<10	2.79	1540	<1	0.02	32	690	2	0.18	<2	30	91	<20	0.02
G277454		<0.01	<10	3.14	1335	<1	0.01	37	790	4	0.20	<2	35	106	<20	0.08
G277455		<0.01	<10	3.15	1400	<1	0.02	36	740	2	0.12	3	33	133	<20	0.09
G277456		<0.01	<10	3.09	1470	<1	0.02	35	730	2	0.13	<2	31	146	<20	0.10
G277457		<0.01	<10	2.98	1520	<1	0.03	33	730	2	0.15	2	33	114	<20	0.04
G277458		0.01	<10	3.27	1470	<1	0.02	35	700	2	0.10	3	34	85	<20	0.01
G277459		0.11	<10	3.01	1370	<1	0.10	35	720	<2	0.16	3	26	81	<20	<0.01
G277460		0.28	<10	0.86	927	8	0.05	14	630	24	2.87	26	3	68	<20	0.04
G277461		0.10	<10	2.36	1260	1	0.03	24	600	<2	0.42	6	16	115	<20	<0.01
G277462		0.13	<10	2.91	1530	<1	0.07	30	960	<2	0.21	<2	28	90	<20	<0.01
G277463		0.09	<10	2.84	1385	<1	0.10	28	660	<2	0.12	4	28	77	<20	<0.01
G277464		0.06	<10	2.61	1295	<1	0.07	28	650	<2	0.12	2	28	83	<20	<0.01
G277465		0.03	<10	3.11	1500	<1	0.06	33	750	<2	0.14	<2	32	69	<20	0.01
G277466		0.11	<10	3.09	1485	<1	0.04	33	690	<2	0.57	2	29	143	<20	0.01
G277467		0.14	<10	2.26	1820	1	0.03	18	310	<2	2.12	5	22	263	<20	<0.01
G277468		0.16	<10	2.91	1460	<1	0.08	31	750	<2	0.23	2	26	90	<20	<0.01
G277469		0.05	<10	3.03	1435	<1	0.10	33	760	<2	0.14	2	31	63	<20	0.01
G277470		0.01	<10	1.77	22	1	0.03	<1	40	<2	0.07	<2	<1	5400	20	<0.01
G277471		0.03	<10	2.98	1565	<1	0.10	34	750	<2	0.12	4	30	68	<20	<0.01
G277472		0.10	<10	2.93	1435	1	0.07	31	730	<2	0.21	<2	25	78	<20	<0.01



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 Total # Pages: 4 (A - C)  
 Finalized Date: 7-AUG-2012  
 Account: EIACMV

Project: CMV12-01\_15

**CERTIFICATE OF ANALYSIS TR12167608**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Tl	U	V	W	Zn
		ppm	ppm	ppm	ppm	ppm
		10	10	1	10	2
G277433		<10	<10	222	<10	93
G277434		<10	<10	184	<10	81
G277435		<10	<10	295	<10	111
G277436		<10	<10	229	<10	97
G277437		<10	<10	313	<10	109
G277438		<10	<10	320	<10	107
G277439		<10	<10	267	<10	84
G277440		10	<10	27	10	24
G277441		<10	<10	325	<10	111
G277442		<10	<10	300	<10	102
G277443		<10	<10	338	<10	111
G277444		<10	<10	339	<10	110
G277445		<10	<10	338	<10	110
G277446		<10	<10	355	<10	118
G277447		<10	<10	252	<10	101
G277448		<10	<10	244	<10	100
G277449		<10	<10	217	<10	108
G277450		<10	<10	3	<10	2
G277451		<10	<10	50	<10	60
G277452		<10	<10	60	<10	82
G277453		<10	<10	265	<10	102
G277454		<10	<10	356	<10	114
G277455		<10	<10	336	<10	106
G277456		<10	<10	334	<10	107
G277457		<10	<10	298	<10	107
G277458		<10	<10	289	<10	116
G277459		<10	<10	54	<10	116
G277460		<10	<10	41	<10	102
G277461		<10	<10	23	<10	72
G277462		<10	<10	50	<10	72
G277463		<10	<10	49	<10	101
G277464		<10	<10	138	<10	91
G277465		<10	<10	234	<10	106
G277466		<10	<10	168	<10	88
G277467		<10	<10	21	<10	28
G277468		<10	<10	44	<10	90
G277469		<10	<10	148	<10	108
G277470		<10	10	1	<10	<2
G277471		<10	<10	153	<10	103
G277472		<10	<10	162	<10	92





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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1
G277473		<0.2	2.73	56	<10	10	<0.5	<2	5.87	<0.5	36	46	53	8.82	10	1
G277474		<0.2	2.33	62	<10	20	<0.5	<2	5.69	<0.5	36	35	52	8.89	10	<1
G277475		<0.2	2.23	67	<10	20	<0.5	<2	5.52	<0.5	37	31	52	8.78	10	<1
G277476		1.3	0.45	8430	<10	70	<0.5	<2	6.7	<0.5	31	6	31	8.51	<10	<1
G277477		<0.2	0.68	106	<10	20	<0.5	<2	5.60	<0.5	37	10	59	9.33	<10	<1
G277478		<0.2	0.97	96	<10	30	<0.5	<2	5.03	<0.5	34	10	44	8.40	<10	<1
G277479		0.4	0.51	>10000	<10	70	<0.5	<2	7.1	<0.5	26	7	30	6.83	<10	<1
G277480		3.9	1.49	275	<10	340	<0.5	<2	1.32	1.5	10	55	73	3.36	<10	4
G277481		<0.2	2.44	67	<10	20	<0.5	<2	5.50	<0.5	35	43	46	8.44	10	<1
G277482		<0.2	4.52	17	<10	<10	<0.5	3	5.63	<0.5	35	56	45	9.45	20	1
G277483		<0.2	3.32	5	<10	30	<0.5	<2	3.64	<0.5	30	51	56	7.15	10	<1
G277484		<0.2	3.23	7	<10	10	<0.5	<2	2.93	<0.5	31	51	61	7.12	10	<1
G277485		<0.2	4.80	40	<10	10	<0.5	2	5.81	<0.5	37	57	55	9.33	10	1
G277486		0.2	2.20	1095	<10	50	<0.5	<2	6.57	<0.5	36	9	59	8.36	<10	<1
G277487		0.3	0.12	745	<10	20	<0.5	<2	0.88	<0.5	9	11	18	2.36	<10	<1
G277488		1.2	0.63	1475	<10	60	<0.5	<2	6.70	<0.5	36	6	39	9.58	<10	<1
G277489		<0.2	3.24	54	<10	10	<0.5	<2	5.66	<0.5	35	45	56	8.89	10	<1
G277490		<0.2	0.05	6	<10	10	<0.5	<2	>25.0	<0.5	1	<1	<1	0.07	<10	<1
G277491		<0.2	3.37	31	<10	10	<0.5	<2	5.97	<0.5	35	48	52	8.48	10	<1
G277492		<0.2	2.29	54	<10	10	<0.5	3	5.13	<0.5	37	30	47	9.59	10	<1
G277493		<0.2	0.72	138	<10	40	<0.5	<2	6.40	<0.5	36	11	27	8.77	<10	<1
G277494		0.5	0.20	4640	<10	20	<0.5	<2	6.09	<0.5	32	7	20	8.23	<10	<1
G277495		<0.2	0.75	467	<10	60	<0.5	<2	6.21	<0.5	35	10	24	8.33	<10	1
G277496		<0.2	0.72	6830	<10	40	<0.5	<2	5.74	<0.5	28	8	3	7.34	<10	<1
G277497		<0.2	1.52	96	<10	<10	<0.5	<2	5.54	0.8	34	26	45	8.50	10	<1
G277498		<0.2	3.43	47	<10	<10	<0.5	<2	5.96	0.8	33	47	56	8.62	10	<1
G277499		<0.2	4.54	41	<10	<10	<0.5	<2	5.85	0.8	34	51	57	8.88	20	<1
G277500		0.6	1.47	3870	<10	40	<0.5	2	0.79	<0.5	14	66	65	3.51	10	<1
G277501		<0.2	1.35	142	<10	<10	<0.5	<2	5.71	0.8	31	36	58	7.74	10	<1
G277502		<0.2	0.50	2240	<10	10	<0.5	<2	5.51	0.8	32	9	58	8.20	<10	<1
G277503		<0.2	0.68	308	<10	20	<0.5	<2	4.86	0.8	29	10	45	8.53	<10	<1
G277504		<0.2	0.67	331	<10	<10	<0.5	<2	5.75	0.7	28	15	40	7.26	<10	<1
G277505		0.2	0.43	1850	<10	30	<0.5	<2	5.16	0.5	23	9	14	6.14	<10	<1
G277506		0.4	1.26	863	<10	20	0.5	<2	5.69	0.8	30	18	40	7.96	<10	<1
G277507		0.2	1.71	338	<10	40	<0.5	<2	5.21	0.5	28	28	45	6.56	10	<1
G277508		<0.2	2.72	20	<10	<10	0.6	<2	6.28	0.7	33	61	57	7.31	10	<1
G277509		<0.2	2.27	136	<10	30	0.5	<2	5.81	0.7	34	52	62	7.92	10	<1
G277510		<0.2	0.10	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	<1	0.11	<10	<1
G277511		<0.2	1.43	15	<10	50	0.6	<2	4.47	0.9	41	51	79	9.08	<10	<1
G277512		<0.2	1.05	21	<10	40	0.6	<2	6.12	0.8	36	42	74	7.66	<10	<1



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	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti
Units		%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20	0.01
G277473		0.02	<10	3.09	1560	<1	0.09	34	760	<2	0.11	<2	33	75	<20	0.01
G277474		0.07	<10	3.00	1445	<1	0.07	33	750	<2	0.18	<2	30	73	<20	0.01
G277475		0.08	<10	2.96	1425	<1	0.07	33	740	<2	0.16	2	29	70	<20	0.01
G277476		0.23	<10	2.61	1395	<1	0.03	28	1020	<2	5.08	3	21	255	<20	<0.01
G277477		0.14	<10	2.95	1495	<1	0.07	30	720	<2	0.34	<2	26	73	<20	<0.01
G277478		0.14	<10	2.68	1400	1	0.06	28	740	<2	0.20	<2	25	80	<20	<0.01
G277479		0.10	<10	2.24	1265	<1	0.03	26	470	<2	2.10	2	20	198	<20	<0.01
G277480		0.14	<10	0.80	455	14	0.08	36	760	289	0.65	26	4	36	<20	0.09
G277481		0.05	<10	2.93	1545	<1	0.06	31	730	<2	0.15	<2	31	86	<20	0.02
G277482		<0.01	<10	3.25	1460	<1	0.03	33	750	<2	0.09	<2	33	111	<20	0.11
G277483		0.01	<10	2.41	1150	<1	0.06	30	820	<2	0.10	<2	17	72	<20	0.71
G277484		<0.01	<10	2.28	1205	<1	0.05	30	750	<2	0.18	4	12	28	<20	0.79
G277485		<0.01	<10	3.25	1540	<1	0.04	36	810	<2	0.19	<2	35	50	<20	0.15
G277486		0.14	<10	3.06	1465	1	0.04	30	700	<2	0.95	6	25	130	<20	0.01
G277487		0.07	<10	0.33	227	1	0.02	7	80	<2	1.84	4	3	35	<20	<0.01
G277488		0.31	<10	2.81	1545	1	0.03	33	520	<2	8.84	3	27	291	<20	<0.01
G277489		0.06	<10	3.08	1435	<1	0.05	32	730	<2	0.12	2	29	62	<20	0.02
G277490		0.01	<10	1.80	33	1	0.03	<1	40	<2	0.08	<2	<1	5210	20	<0.01
G277491		0.03	<10	2.90	1475	<1	0.05	32	690	<2	0.17	3	29	76	<20	0.03
G277492		0.09	<10	3.14	1410	<1	0.05	32	640	<2	0.18	<2	28	48	<20	0.01
G277493		0.15	<10	3.14	1565	1	0.06	31	620	<2	0.08	2	28	113	<20	<0.01
G277494		0.07	<10	2.91	1425	1	0.03	30	630	<2	0.74	4	23	144	<20	<0.01
G277495		0.18	<10	2.91	1450	1	0.05	29	750	<2	0.67	<2	26	128	<20	<0.01
G277496		0.13	<10	2.22	1200	1	0.03	26	250	<2	3.12	<2	21	166	<20	<0.01
G277497		0.10	<10	2.99	1395	<1	0.07	37	700	4	0.19	2	28	64	<20	<0.01
G277498		0.02	<10	3.03	1490	<1	0.05	33	740	<2	0.21	2	32	91	<20	0.02
G277499		<0.01	<10	3.34	1350	<1	0.04	35	750	<2	0.17	<2	33	88	<20	0.07
G277500		0.16	10	0.86	371	6	0.07	61	480	7	0.88	33	4	37	<20	0.10
G277501		0.10	<10	3.22	1385	<1	0.08	35	580	<2	0.13	2	27	68	<20	0.01
G277502		0.14	<10	3.02	1350	<1	0.07	30	690	<2	0.41	3	23	94	<20	<0.01
G277503		0.15	<10	3.06	1355	<1	0.07	27	690	<2	0.41	<2	24	73	<20	<0.01
G277504		0.06	<10	2.77	1350	<1	0.03	26	600	<2	0.14	<2	24	87	<20	<0.01
G277505		0.17	<10	2.21	1175	<1	0.03	20	490	<2	2.38	3	18	175	<20	<0.01
G277506		0.12	<10	2.23	1355	<1	0.04	27	840	<2	1.95	4	24	118	<20	<0.01
G277507		0.10	<10	2.09	1095	<1	0.03	31	470	<2	1.49	3	24	96	<20	<0.01
G277508		0.03	<10	1.91	1370	<1	0.03	39	730	<2	0.20	<2	35	82	<20	0.01
G277509		0.11	<10	2.42	1335	<1	0.03	37	540	<2	0.67	<2	28	79	<20	<0.01
G277510		<0.01	<10	1.86	40	<1	0.03	1	40	<2	0.08	<2	<1	5230	20	<0.01
G277511		0.02	<10	2.18	1645	<1	0.02	47	670	<2	0.41	<2	35	63	<20	<0.01
G277512		0.02	<10	2.15	1655	<1	0.02	37	530	<2	0.37	3	33	53	<20	<0.01



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Tl	U	V	W	Zn
		ppm	ppm	ppm	ppm	ppm
		10	10	1	10	2
G277473		<10	<10	232	<10	102
G277474		<10	<10	152	<10	105
G277475		<10	<10	144	<10	108
G277476		<10	<10	29	<10	40
G277477		<10	<10	42	<10	105
G277478		<10	<10	42	<10	96
G277479		<10	<10	24	<10	51
G277480		<10	<10	59	<10	267
G277481		<10	<10	243	<10	95
G277482		<10	<10	348	<10	115
G277483		<10	<10	266	<10	88
G277484		<10	<10	230	<10	87
G277485		<10	<10	364	<10	112
G277486		<10	<10	48	<10	85
G277487		<10	<10	6	<10	5
G277488		<10	<10	40	<10	42
G277489		<10	<10	233	<10	106
G277490		<10	10	2	<10	<2
G277491		<10	<10	261	<10	98
G277492		<10	<10	146	<10	116
G277493		<10	<10	49	<10	77
G277494		<10	<10	25	<10	81
G277495		<10	<10	44	<10	64
G277496		<10	<10	32	<10	71
G277497		<10	<10	114	<10	99
G277498		<10	<10	267	<10	99
G277499		<10	<10	329	<10	107
G277500		<10	<10	48	40	49
G277501		<10	<10	107	<10	84
G277502		<10	<10	38	<10	88
G277503		<10	<10	49	<10	91
G277504		<10	<10	72	<10	104
G277505		<10	<10	37	<10	37
G277506		<10	<10	121	<10	79
G277507		<10	<10	117	<10	61
G277508		<10	<10	233	<10	80
G277509		<10	<10	168	<10	86
G277510		<10	10	3	<10	<2
G277511		<10	<10	241	<10	125
G277512		<10	<10	215	<10	87



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm
		0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10	1
G277513		0.3	0.71	714	<10	90	0.6	<2	8.8	0.6	36	6	24	6.65	<10	<1
G277514		0.4	0.49	536	<10	30	0.6	<2	3.08	<0.5	29	5	4	3.79	<10	<1
G277515		<0.2	0.50	395	<10	140	0.6	<2	6.64	<0.5	13	6	4	4.36	<10	<1
G277516		0.5	0.17	1640	<10	30	<0.5	<2	4.48	1.0	20	3	8	10.15	<10	<1
G277517		0.3	0.52	353	<10	30	<0.5	<2	1.50	<0.5	11	7	56	2.64	<10	<1
G277518		0.3	0.24	189	<10	170	<0.5	<2	1.50	<0.5	4	5	35	1.87	<10	<1
G277519		<0.2	0.33	26	<10	360	<0.5	<2	0.75	<0.5	3	7	46	1.72	<10	<1
G277520		0.4	0.37	447	<10	850	<0.5	<2	1.02	0.6	3	40	39	3.81	<10	4
G277521		<0.2	0.36	116	<10	380	<0.5	<2	1.32	<0.5	10	6	33	1.61	<10	<1
G277522		0.2	0.43	52	<10	530	<0.5	<2	0.89	<0.5	12	8	86	2.15	<10	<1



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %
		0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20	0.01
G277513		0.26	<10	3.69	2470	<1	0.03	25	270	3	3.35	3	30	431	<20	<0.01
G277514		0.29	<10	1.30	852	<1	0.02	53	90	<2	3.19	<2	11	156	<20	<0.01
G277515		0.28	<10	2.90	1600	<1	0.03	23	280	<2	2.24	<2	23	379	<20	<0.01
G277516		0.07	<10	2.05	1220	<1	0.02	61	40	2	>10.0	2	13	247	<20	<0.01
G277517		0.27	<10	0.68	558	<1	0.02	50	130	3	2.11	3	3	83	<20	<0.01
G277518		0.13	<10	0.68	710	<1	0.01	21	20	<2	1.20	<2	3	73	<20	<0.01
G277519		0.18	10	0.70	881	<1	0.02	15	40	6	0.13	<2	2	37	<20	<0.01
G277520		0.09	10	0.03	72	13	0.04	15	130	13	0.22	27	1	77	<20	0.01
G277521		0.21	<10	0.67	1025	<1	0.02	27	80	5	0.56	<2	3	64	<20	<0.01
G277522		0.24	10	0.62	1940	<1	0.02	24	160	4	0.33	<2	2	38	<20	<0.01



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**CERTIFICATE OF ANALYSIS TR12167608**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Tl	U	V	W	Zn
		ppm	ppm	ppm	ppm	ppm
		10	10	1	10	2
G277513		<10	<10	54	<10	33
G277514		<10	<10	19	<10	12
G277515		<10	<10	24	<10	25
G277516		<10	<10	11	<10	17
G277517		<10	<10	13	<10	22
G277518		<10	<10	8	<10	12
G277519		<10	<10	10	<10	36
G277520		10	<10	27	10	22
G277521		<10	<10	12	<10	23
G277522		<10	<10	13	<10	35



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**CERTIFICATE TR12164076**

Project: CMV12-01  
 P.O. No.: CMV12-01\_16  
 This report is for 94 Drill Core samples submitted to our lab in Terrace, BC, Canada on 17-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12164076**

Sample Description	Method	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR															
G277523		5.79	<0.005		<0.2	2.85	6	<10	1230	<0.5	<2	3.30	<0.5	38	23	70
G277524		3.02	0.035		0.2	4.06	31	<10	240	0.5	<2	4.64	<0.5	43	21	64
G277525		<0.02	0.029		<0.2	3.91	30	<10	240	0.5	<2	4.44	<0.5	41	21	67
G277526		2.75	<0.005		<0.2	3.83	<2	<10	410	<0.5	<2	4.48	<0.5	42	22	64
G277527		2.64	<0.005		<0.2	4.32	5	<10	90	0.8	<2	4.86	<0.5	44	19	62
G277528		1.02	<0.005		<0.2	1.10	12	<10	40	0.6	<2	8.1	<0.5	30	11	60
G277529		4.03	<0.005		<0.2	3.95	5	<10	370	0.5	<2	5.67	<0.5	43	19	79
G277530		0.37	<0.005		<0.2	0.07	5	<10	10	<0.5	2	>25.0	<0.5	<1	<1	<1
G277531		2.96	<0.005		0.2	2.67	4	<10	60	0.7	<2	7.6	<0.5	42	18	56
G277532		2.77	<0.005		<0.2	2.62	<2	<10	80	0.7	<2	5.83	<0.5	40	20	54
G277533		4.47	0.021		<0.2	4.19	22	<10	40	<0.5	<2	6.13	<0.5	41	21	65
G277534		4.72	<0.005		<0.2	3.13	49	<10	10	<0.5	2	5.34	<0.5	34	67	53
G277535		4.18	0.053		<0.2	3.27	81	<10	20	<0.5	<2	5.58	1.1	40	15	72
G277536		3.69	0.037		<0.2	3.05	60	<10	20	<0.5	<2	5.76	1.0	38	36	90
G277537		3.46	<0.005		<0.2	3.05	20	<10	10	<0.5	<2	5.64	1.0	37	25	61
G277538		4.31	<0.005		<0.2	4.87	11	<10	10	<0.5	<2	6.36	1.0	39	24	74
G277539		4.19	0.008		<0.2	4.50	32	<10	<10	<0.5	<2	5.25	0.9	38	40	71
G277540		0.06	0.756		2.1	0.72	27	<10	100	<0.5	<2	1.86	1.2	7	32	6940
G277541		3.66	<0.005		<0.2	4.08	46	<10	10	<0.5	<2	6.15	0.8	36	73	65
G277542		3.90	<0.005		<0.2	2.73	130	<10	20	<0.5	<2	6.03	0.9	37	18	59
G277543		3.62	0.022		<0.2	3.53	318	<10	10	<0.5	<2	5.98	0.9	36	47	58
G277544		4.07	0.021		<0.2	3.20	344	<10	20	<0.5	<2	6.96	1.2	37	44	65
G277545		4.23	<0.005		<0.2	3.33	115	<10	10	<0.5	<2	5.62	0.9	34	50	49
G277546		3.23	<0.005		<0.2	4.72	75	<10	<10	<0.5	<2	5.74	0.9	35	58	48
G277547		3.93	<0.005		0.3	4.50	89	<10	<10	<0.5	<2	5.98	<0.5	37	58	33
G277548		4.31	<0.005		<0.2	3.88	39	<10	<10	<0.5	<2	4.03	<0.5	37	57	53
G277549		2.00	0.008		<0.2	2.46	54	<10	10	0.8	<2	2.51	<0.5	43	47	69
G277550		0.31	<0.005		<0.2	0.08	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	<1
G277551		4.06	0.005		0.2	3.59	61	<10	10	<0.5	<2	2.86	<0.5	35	57	65
G277552		3.77	0.010		<0.2	4.39	69	<10	<10	<0.5	<2	4.87	<0.5	37	60	66
G277553		3.59	<0.005		<0.2	3.42	26	<10	10	<0.5	<2	6.71	<0.5	26	44	37
G277554		3.65	<0.005		<0.2	4.95	46	<10	10	<0.5	<2	5.85	<0.5	36	59	54
G277555		4.15	<0.005		<0.2	4.58	62	<10	<10	<0.5	<2	6.29	<0.5	35	54	46
G277556		3.55	0.009		<0.2	2.93	323	<10	10	<0.5	<2	5.89	<0.5	36	48	53
G277557		2.93	0.679		<0.2	1.16	6890	<10	40	<0.5	<2	7.0	<0.5	34	9	50
G277558		2.56	<0.005		<0.2	0.80	138	<10	10	<0.5	<2	5.74	<0.5	35	11	55
G277559		1.15	0.012		<0.2	1.03	162	<10	10	<0.5	<2	5.79	<0.5	36	11	46
G277560		0.07	3.55		3.9	1.48	272	<10	460	<0.5	<2	1.34	0.9	8	54	70
G277561		3.02	0.101		<0.2	1.17	584	<10	10	<0.5	<2	6.67	<0.5	35	10	55
G277562		2.02	0.400		<0.2	1.24	5930	<10	50	<0.5	<2	7.3	<0.5	34	8	41





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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12164076**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	
G277523		8.61	10	<1	0.16	<10	2.47	1395	<1	0.12	32	850	3	0.04	<2	17
G277524		10.25	20	1	0.04	<10	3.51	1500	<1	0.05	41	880	3	0.17	<2	29
G277525		9.95	20	<1	0.04	<10	3.41	1450	<1	0.05	40	870	4	0.17	<2	28
G277526		9.52	20	1	0.06	<10	3.18	1440	<1	0.06	41	770	3	0.08	<2	25
G277527		11.00	20	1	0.02	<10	2.70	1475	<1	0.03	40	920	2	0.58	<2	34
G277528		8.48	<10	<1	0.02	<10	2.42	1855	<1	0.02	25	690	2	0.14	<2	30
G277529		10.15	20	1	0.05	<10	2.75	1495	<1	0.04	39	870	3	0.24	<2	33
G277530		0.09	<10	<1	<0.01	<10	1.90	34	<1	0.02	3	40	<2	0.07	<2	<1
G277531		8.75	10	1	0.01	10	1.75	1570	<1	0.03	38	890	<2	0.33	<2	31
G277532		10.00	10	1	0.01	<10	1.94	1545	<1	0.03	36	840	3	0.29	<2	33
G277533		9.94	20	1	0.01	<10	3.15	1495	<1	0.05	36	840	2	0.13	<2	34
G277534		8.68	10	1	0.02	<10	3.45	1455	<1	0.07	42	610	3	0.02	<2	36
G277535		9.72	10	1	0.16	<10	3.10	1555	<1	0.03	27	980	<2	0.18	<2	30
G277536		9.04	10	<1	0.15	<10	3.36	1520	<1	0.04	33	670	<2	0.21	<2	30
G277537		9.28	20	1	<0.01	<10	3.25	1780	<1	0.05	23	770	<2	0.10	<2	37
G277538		9.77	20	1	<0.01	<10	3.25	1515	<1	0.03	23	860	<2	0.15	<2	37
G277539		8.84	20	1	<0.01	<10	3.37	1465	<1	0.04	27	640	<2	0.29	<2	32
G277540		6.53	<10	2	0.28	<10	0.87	909	7	0.05	13	620	21	2.70	26	3
G277541		8.09	10	1	0.03	<10	3.50	1450	<1	0.03	37	610	<2	0.13	<2	31
G277542		8.73	10	1	0.09	<10	3.05	1365	<1	0.06	33	760	<2	0.13	<2	31
G277543		9.10	20	1	0.02	<10	3.13	1550	<1	0.06	33	760	<2	0.21	<2	34
G277544		8.88	10	<1	0.02	<10	3.01	1720	<1	0.03	34	810	<2	0.23	<2	33
G277545		8.56	10	1	0.01	<10	3.07	1715	<1	0.04	31	800	<2	0.12	<2	32
G277546		9.36	20	1	<0.01	<10	3.33	1580	<1	0.02	36	780	<2	0.12	<2	35
G277547		9.23	20	<1	<0.01	<10	3.07	1375	<1	0.05	37	760	<2	0.15	<2	31
G277548		9.63	10	<1	<0.01	<10	3.00	1460	<1	0.05	36	820	<2	0.24	<2	16
G277549		7.07	10	1	<0.01	<10	1.22	1265	<1	0.02	43	900	<2	0.74	2	36
G277550		0.11	<10	<1	<0.01	<10	1.66	36	<1	0.03	<1	40	<2	0.07	<2	1
G277551		8.71	10	<1	0.01	<10	2.77	1265	<1	0.05	35	840	<2	0.23	<2	14
G277552		9.31	20	<1	<0.01	<10	3.22	1530	<1	0.05	37	840	<2	0.25	<2	29
G277553		7.21	10	<1	<0.01	<10	2.47	1505	<1	0.03	29	620	<2	0.07	<2	26
G277554		10.00	20	<1	<0.01	<10	3.44	1480	<1	0.03	38	770	<2	0.14	<2	36
G277555		9.32	20	<1	<0.01	<10	3.15	1510	<1	0.04	37	740	2	0.15	<2	33
G277556		9.25	10	<1	0.02	<10	3.20	1605	<1	0.08	36	730	<2	0.18	<2	32
G277557		9.02	<10	<1	0.16	<10	3.00	1505	<1	0.04	34	590	<2	1.23	13	24
G277558		9.21	<10	<1	0.08	<10	3.08	1485	<1	0.14	35	730	<2	0.12	<2	27
G277559		9.07	<10	<1	0.06	<10	3.05	1500	<1	0.11	35	760	<2	0.16	5	28
G277560		3.42	<10	4	0.14	10	0.82	448	12	0.07	38	750	283	0.62	28	4
G277561		8.79	<10	<1	0.05	<10	3.04	1455	<1	0.10	34	700	<2	0.29	5	26
G277562		7.86	<10	<1	0.13	<10	2.91	1425	<1	0.06	32	690	<2	0.95	5	24



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**CERTIFICATE OF ANALYSIS TR12164076**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G277523		82	<20	0.81	<10	<10	303	<10	114
G277524		121	<20	0.15	<10	<10	307	<10	134
G277525		115	<20	0.17	<10	<10	301	<10	131
G277526		109	<20	0.19	<10	<10	293	<10	126
G277527		93	<20	0.05	<10	<10	319	<10	117
G277528		130	<20	0.01	<10	<10	190	<10	110
G277529		164	<20	0.07	<10	<10	321	<10	123
G277530		5450	20	<0.01	<10	<10	2	<10	<2
G277531		158	<20	0.05	<10	<10	282	<10	120
G277532		134	<20	0.04	<10	<10	288	<10	127
G277533		185	<20	0.11	<10	<10	343	<10	128
G277534		121	<20	0.02	<10	<10	289	<10	102
G277535		116	<20	0.02	<10	<10	232	<10	123
G277536		122	<20	0.01	<10	<10	221	<10	110
G277537		116	<20	0.03	<10	<10	353	<10	114
G277538		138	<20	0.09	<10	<10	394	<10	120
G277539		102	<20	0.09	<10	<10	354	<10	103
G277540		67	<20	0.04	<10	<10	42	<10	91
G277541		97	<20	0.03	<10	<10	263	<10	99
G277542		71	<20	<0.01	<10	<10	91	<10	76
G277543		76	<20	0.03	<10	<10	265	<10	112
G277544		68	<20	0.01	<10	<10	257	<10	113
G277545		66	<20	0.03	<10	<10	289	<10	101
G277546		105	<20	0.06	<10	<10	356	<10	119
G277547		118	<20	0.05	<10	<10	352	<10	116
G277548		47	<20	0.58	<10	<10	290	<10	116
G277549		36	<20	0.01	<10	<10	328	<10	139
G277550		5790	20	<0.01	<10	<10	4	<10	<2
G277551		33	<20	0.71	<10	<10	284	<10	103
G277552		73	<20	0.69	<10	<10	345	<10	115
G277553		144	<20	0.15	<10	<10	275	<10	85
G277554		122	<20	0.10	<10	<10	387	<10	117
G277555		105	<20	0.08	<10	<10	361	<10	110
G277556		72	<20	0.02	<10	<10	285	<10	103
G277557		120	<20	<0.01	<10	<10	40	<10	87
G277558		66	<20	<0.01	<10	<10	53	<10	113
G277559		71	<20	<0.01	<10	<10	51	<10	101
G277560		34	<20	0.09	<10	<10	60	<10	271
G277561		85	<20	<0.01	<10	<10	48	<10	75
G277562		143	<20	<0.01	<10	<10	38	<10	81



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**CERTIFICATE OF ANALYSIS TR12164076**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G277563		4.48	<0.005		<0.2	3.72	29	<10	10	<0.5	<2	6.14	<0.5	34	46	55
G277564		2.97	1.905		0.6	0.97	>10000	<10	40	<0.5	<2	7.25	<0.5	31	10	38
G277565		2.25	0.093		<0.2	2.01	1285	<10	30	<0.5	<2	7.8	<0.5	35	25	50
G277566		1.35	<0.005		<0.2	5.42	58	<10	<10	<0.5	<2	5.98	<0.5	37	57	61
G277567		3.32	<0.005		<0.2	4.88	12	<10	10	<0.5	<2	5.93	<0.5	35	55	54
G277568		2.77	<0.005		<0.2	3.57	32	<10	10	<0.5	<2	5.49	<0.5	35	104	69
G277569		3.09	<0.005		<0.2	3.17	43	<10	20	<0.5	<2	6.57	<0.5	36	50	44
G277570		0.32	<0.005		<0.2	0.07	8	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	<1
G277571		2.66	<0.005		<0.2	4.28	7	<10	20	<0.5	<2	5.87	<0.5	35	57	54
G277572		3.08	<0.005		<0.2	4.97	19	<10	10	<0.5	<2	6.7	<0.5	34	49	59
G277573		4.32	<0.005		<0.2	3.71	86	<10	10	<0.5	<2	6.64	<0.5	36	68	61
G277574		1.74	0.008		<0.2	2.91	284	<10	10	<0.5	<2	6.31	<0.5	32	62	50
G277575		1.36	0.013		<0.2	2.60	347	<10	10	<0.5	<2	6.42	<0.5	32	61	41
G277576		2.82	<0.005		<0.2	4.43	131	<10	10	<0.5	<2	6.85	<0.5	35	75	70
G277577		3.69	<0.005		<0.2	4.67	69	<10	10	<0.5	<2	6.88	<0.5	35	77	63
G277578		3.60	0.015		0.2	4.82	78	<10	10	<0.5	<2	6.70	<0.5	35	73	57
G277579		4.43	<0.005		<0.2	4.26	27	<10	10	<0.5	<2	5.66	<0.5	35	77	65
G277580		0.07	>10.0	10.50	0.5	1.52	3880	<10	60	<0.5	<2	0.83	<0.5	13	67	61
G277581		3.51	<0.005		<0.2	4.35	71	<10	10	<0.5	<2	6.74	<0.5	35	72	51
G277582		2.22	<0.005		<0.2	3.92	123	<10	10	<0.5	<2	6.39	<0.5	33	71	57
G277583		2.40	0.338		<0.2	0.53	1560	<10	70	<0.5	<2	7.2	<0.5	34	14	55
G277584		3.10	0.295		0.3	1.31	1470	<10	40	<0.5	<2	6.53	<0.5	32	28	46
G277585		3.54	<0.005		<0.2	3.80	51	<10	10	<0.5	<2	6.25	<0.5	34	71	62
G277586		2.92	<0.005		<0.2	4.36	43	<10	10	<0.5	<2	5.97	<0.5	35	71	78
G277587		4.76	<0.005		<0.2	4.43	4	<10	<10	<0.5	<2	5.39	<0.5	34	72	61
G277588		4.47	<0.005		<0.2	4.50	8	<10	10	<0.5	<2	5.89	<0.5	35	76	63
G277589		3.39	<0.005		<0.2	4.70	69	<10	10	<0.5	<2	5.57	<0.5	35	23	48
G277590		0.30	<0.005		<0.2	0.07	5	<10	<10	<0.5	<2	>25.0	<0.5	2	1	<1
G277591		1.88	0.386		0.2	1.30	4990	<10	70	<0.5	<2	6.31	<0.5	31	8	44
G277592		3.87	0.468		0.2	0.57	6200	<10	40	<0.5	2	6.04	<0.5	30	15	59
G277593		1.60	0.299		0.6	0.76	208	<10	50	<0.5	2	4.86	<0.5	35	16	105
G277594		2.40	1.825		0.3	0.57	615	<10	70	<0.5	<2	5.92	<0.5	35	6	53
G277595		2.93	0.245		<0.2	1.38	3410	<10	40	<0.5	<2	5.58	<0.5	32	12	43
G277596		2.90	0.100		<0.2	0.58	1120	<10	30	<0.5	<2	5.17	<0.5	31	10	56
G277597		1.39	0.013		0.2	0.47	229	<10	40	<0.5	<2	5.31	<0.5	32	8	54
G277598		1.46	0.170		<0.2	0.85	3730	<10	60	<0.5	<2	6.03	<0.5	30	14	59
G277599		1.66	0.041		<0.2	0.70	176	<10	40	<0.5	<2	6.18	<0.5	30	11	45
G277600		0.07	0.287		0.3	0.39	446	<10	1370	<0.5	<2	1.03	<0.5	4	40	39
G277601		3.25	0.007		<0.2	1.90	155	<10	20	<0.5	<2	5.31	<0.5	31	38	42
G277602		3.90	<0.005		<0.2	3.29	98	<10	10	<0.5	2	5.23	<0.5	36	53	64



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G277563		8.98	10	<1	0.05	<10	3.28	1540	<1	0.04	36	770	<2	0.19	<2	30
G277564		8.22	<10	<1	0.18	<10	2.80	1335	<1	0.03	31	500	<2	2.14	14	20
G277565		8.60	10	<1	0.12	<10	3.20	1560	<1	0.04	34	730	<2	0.31	2	26
G277566		10.05	20	<1	<0.01	<10	3.59	1550	<1	0.03	37	800	<2	0.21	<2	34
G277567		9.27	10	<1	0.02	<10	3.39	1530	<1	0.02	35	750	<2	0.20	<2	30
G277568		7.56	10	<1	0.02	<10	4.11	1360	<1	0.05	48	370	<2	0.07	<2	35
G277569		8.99	10	<1	0.04	<10	3.79	1570	<1	0.06	39	660	<2	0.26	<2	33
G277570		0.07	<10	<1	<0.01	<10	1.78	32	<1	0.01	1	30	<2	0.05	<2	<1
G277571		8.82	10	<1	<0.01	<10	3.61	1425	<1	0.04	38	580	<2	0.16	<2	35
G277572		8.67	20	<1	<0.01	<10	3.53	1270	<1	0.02	37	580	<2	0.18	<2	33
G277573		8.49	10	<1	0.01	<10	3.72	1495	<1	0.07	42	660	<2	0.13	<2	34
G277574		7.86	10	<1	0.02	<10	3.35	1425	<1	0.10	39	600	<2	0.18	<2	32
G277575		7.54	10	<1	0.01	<10	3.31	1465	<1	0.08	38	590	<2	0.11	<2	31
G277576		8.29	10	<1	<0.01	<10	3.49	1405	<1	0.05	43	660	<2	0.27	<2	33
G277577		8.36	20	<1	<0.01	<10	3.57	1475	<1	0.06	42	660	<2	0.21	<2	34
G277578		8.21	10	<1	<0.01	<10	3.61	1365	<1	0.03	42	650	<2	0.12	<2	32
G277579		8.16	10	<1	<0.01	<10	3.58	1435	<1	0.07	42	650	<2	0.11	<2	29
G277580		3.67	<10	<1	0.17	10	0.90	388	7	0.07	60	480	6	0.87	34	5
G277581		7.78	10	<1	<0.01	<10	3.31	1340	<1	0.06	40	610	<2	0.08	<2	32
G277582		7.99	10	<1	0.01	<10	3.41	1325	<1	0.07	39	630	<2	0.12	<2	32
G277583		6.93	<10	<1	0.20	<10	3.11	1370	<1	0.06	38	520	<2	0.48	16	25
G277584		7.69	<10	<1	0.18	<10	3.25	1375	<1	0.06	39	550	<2	0.67	10	26
G277585		7.98	10	<1	<0.01	<10	3.53	1415	<1	0.06	40	640	<2	0.14	<2	33
G277586		8.20	10	<1	0.01	<10	3.60	1330	<1	0.06	40	640	<2	0.13	<2	33
G277587		8.44	10	<1	<0.01	<10	3.59	1510	<1	0.05	39	700	<2	0.13	2	32
G277588		8.18	10	<1	<0.01	<10	3.54	1410	<1	0.06	42	660	<2	0.08	<2	34
G277589		9.61	20	1	0.01	<10	2.76	1405	<1	0.03	23	1000	3	0.25	<2	31
G277590		0.10	<10	<1	<0.01	<10	1.73	39	<1	0.02	2	40	2	0.13	<2	1
G277591		7.67	<10	<1	0.22	<10	2.73	1200	<1	0.03	24	610	3	1.01	6	21
G277592		6.60	<10	<1	0.16	<10	3.11	1230	<1	0.05	37	250	<2	0.93	15	23
G277593		6.58	<10	<1	0.16	<10	2.90	1055	<1	0.06	44	310	<2	1.44	17	23
G277594		9.30	<10	<1	0.23	<10	3.01	1480	<1	0.04	21	880	2	2.40	3	24
G277595		7.56	<10	<1	0.14	<10	3.17	1305	<1	0.04	34	540	2	0.89	8	24
G277596		6.98	<10	<1	0.16	<10	3.09	1220	<1	0.06	35	560	2	0.30	3	22
G277597		6.77	<10	<1	0.18	<10	3.10	1225	<1	0.04	35	550	<2	0.29	7	20
G277598		6.64	<10	<1	0.18	<10	3.17	1220	<1	0.04	36	390	<2	0.43	8	21
G277599		6.63	<10	<1	0.14	<10	3.06	1380	<1	0.06	33	530	2	0.17	<2	23
G277600		3.80	<10	4	0.09	10	0.03	73	13	0.03	15	140	12	0.24	29	1
G277601		6.95	10	<1	0.06	<10	3.14	1340	<1	0.10	35	560	<2	0.12	<2	28
G277602		8.03	10	<1	0.03	<10	3.60	1355	<1	0.06	39	690	4	0.19	<2	31



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G277563		124	<20	0.02	<10	<10	243	<10	101
G277564		188	<20	<0.01	<10	<10	32	<10	61
G277565		150	<20	<0.01	<10	<10	119	<10	93
G277566		67	<20	0.05	<10	<10	346	<10	115
G277567		88	<20	0.18	<10	<10	292	<10	107
G277568		75	<20	0.01	<10	<10	213	<10	89
G277569		99	<20	0.01	<10	<10	194	<10	98
G277570		4420	20	<0.01	<10	<10	2	<10	6
G277571		112	<20	0.03	<10	<10	296	<10	99
G277572		107	<20	0.05	<10	<10	303	<10	91
G277573		72	<20	0.03	<10	<10	266	<10	90
G277574		58	<20	0.03	<10	<10	228	<10	89
G277575		59	<20	0.02	<10	<10	220	<10	83
G277576		80	<20	0.05	<10	<10	300	<10	94
G277577		88	<20	0.10	<10	<10	308	<10	91
G277578		124	<20	0.05	<10	<10	300	<10	93
G277579		122	<20	0.15	<10	<10	306	<10	95
G277580		38	<20	0.10	<10	<10	50	40	49
G277581		65	<20	0.12	<10	<10	295	<10	92
G277582		59	<20	0.06	<10	<10	279	<10	92
G277583		123	<20	<0.01	<10	<10	41	<10	63
G277584		98	<20	0.01	<10	<10	94	<10	71
G277585		66	<20	0.05	<10	<10	282	<10	92
G277586		78	<20	0.05	<10	<10	287	<10	97
G277587		130	<20	0.38	<10	<10	323	<10	101
G277588		86	<20	0.24	<10	<10	309	<10	99
G277589		87	<20	0.05	<10	<10	346	<10	122
G277590		5060	20	<0.01	<10	<10	4	<10	4
G277591		206	<20	<0.01	<10	<10	43	<10	95
G277592		165	<20	<0.01	<10	<10	30	<10	68
G277593		113	<20	<0.01	<10	<10	33	<10	103
G277594		160	<20	<0.01	<10	<10	51	<10	96
G277595		133	<20	<0.01	<10	<10	70	<10	81
G277596		101	<20	<0.01	<10	<10	34	<10	79
G277597		127	<20	<0.01	<10	<10	28	<10	72
G277598		143	<20	<0.01	<10	<10	31	<10	66
G277599		105	<20	<0.01	<10	<10	50	<10	59
G277600		80	<20	0.01	10	<10	28	10	24
G277601		57	<20	<0.01	<10	<10	126	<10	72
G277602		65	<20	0.01	<10	<10	231	<10	91



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G277603		3.13	<0.005		<0.2	2.83	55	<10	20	<0.5	<2	6.53	<0.5	30	50	57
G277604		2.86	0.070		<0.2	0.63	664	<10	110	<0.5	<2	9.0	<0.5	33	10	19
G277605		4.23	0.204		<0.2	0.70	946	<10	60	<0.5	<2	8.2	<0.5	31	11	45
G277606		3.06	0.073		<0.2	0.53	107	<10	30	<0.5	<2	5.58	<0.5	31	13	50
G277607		1.00	0.485		<0.2	0.29	338	<10	50	<0.5	2	9.3	<0.5	25	8	3
G277608		2.30	0.164		<0.2	1.31	225	<10	40	0.5	2	5.60	<0.5	30	23	60
G277609		2.28	0.326		<0.2	0.90	239	<10	40	<0.5	<2	5.67	<0.5	30	24	46
G277610		0.34	<0.005		<0.2	0.07	3	<10	<10	<0.5	<2	>25.0	<0.5	1	1	<1
G277611		2.86	<0.005		<0.2	0.95	52	<10	20	<0.5	2	5.45	<0.5	35	20	61
G277612		1.92	0.588		<0.2	1.07	2310	<10	160	0.7	<2	6.14	<0.5	31	18	61
G277613		3.39	0.011		<0.2	0.29	36	<10	270	<0.5	<2	2.30	<0.5	8	7	63
G277614		3.42	0.338		<0.2	0.38	226	<10	210	<0.5	<2	3.73	<0.5	7	6	20
G277615		4.23	0.759		<0.2	0.32	382	<10	70	<0.5	<2	3.89	<0.5	10	4	21
G277616		2.09	0.177		<0.2	0.50	137	<10	270	0.5	<2	2.63	<0.5	9	9	13



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	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G277603		6.97	10	<1	0.04	<10	3.32	1435	<1	0.03	34	580	<2	0.08	<2	31
G277604		6.62	<10	<1	0.28	<10	3.83	1720	<1	0.04	35	590	2	0.14	<2	29
G277605		6.60	<10	<1	0.23	<10	3.08	1380	<1	0.06	31	530	3	0.34	<2	25
G277606		7.30	<10	1	0.12	<10	3.05	1305	<1	0.08	32	550	<2	0.16	<2	27
G277607		5.30	<10	1	0.13	<10	3.30	1475	<1	0.02	29	150	<2	1.90	<2	26
G277608		7.29	<10	1	0.10	<10	2.47	1450	<1	0.04	26	580	<2	0.61	<2	27
G277609		7.20	<10	1	0.10	<10	2.36	1315	<1	0.03	32	480	<2	1.33	2	26
G277610		0.07	<10	<1	0.01	<10	1.87	27	<1	0.02	2	40	<2	0.13	<2	<1
G277611		7.86	<10	<1	0.07	<10	2.59	1395	<1	0.05	26	640	<2	0.08	<2	28
G277612		6.73	<10	<1	0.16	<10	2.68	1595	<1	0.02	29	350	3	2.00	<2	24
G277613		2.16	<10	<1	0.15	10	1.14	844	<1	0.01	26	90	2	0.22	<2	4
G277614		3.02	<10	<1	0.19	<10	1.73	1210	<1	0.01	26	60	3	1.74	<2	7
G277615		3.77	<10	<1	0.19	<10	1.89	1005	<1	0.01	43	90	6	3.05	<2	10
G277616		2.12	<10	<1	0.26	10	1.12	597	<1	0.01	29	40	4	1.20	<2	8



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12164076**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G277603		108	<20	<0.01	<10	<10	183	<10	76
G277604		242	<20	<0.01	<10	<10	41	<10	53
G277605		163	<20	<0.01	<10	<10	50	<10	61
G277606		74	<20	<0.01	<10	<10	49	<10	75
G277607		260	<20	<0.01	<10	<10	24	<10	43
G277608		78	<20	<0.01	<10	<10	132	<10	82
G277609		88	<20	<0.01	<10	<10	111	<10	78
G277610		4590	20	<0.01	<10	<10	2	<10	3
G277611		74	<20	<0.01	<10	<10	118	<10	98
G277612		156	<20	<0.01	<10	<10	119	<10	63
G277613		55	<20	<0.01	<10	<10	16	<10	39
G277614		160	<20	<0.01	<10	<10	22	<10	21
G277615		207	<20	<0.01	<10	<10	15	<10	29
G277616		125	<20	<0.01	<10	<10	22	<10	17





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**CERTIFICATE TR12161497**

Project: CMV12-01  
 P.O. No.: CMV12-01\_17  
 This report is for 1 Crushed Core sample submitted to our lab in Terrace, BC, Canada on 18-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
SCR-21	Screen to -100 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12161497**

Sample Description	Method Analyte Units LOR	Au-SCR24 Au Total ppm	Au-SCR24 Au (+) F ppm	Au-SCR24 Au (-) F ppm	Au-SCR24 Au (+) m mg	Au-SCR24 WT. + Fr g	Au-SCR24 WT. - Fr g	Au-AA26 Au ppm	Au-AA26D Au ppm
G277638		43.2	149.5	41.7	1.304	8.73	599.6	47.2	36.1



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**CERTIFICATE TR12164074**

Project: CMV12-01  
 P.O. No.: CMV12-01\_17  
 This report is for 54 Drill Core samples submitted to our lab in Terrace, BC, Canada on 17-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12164074**

Sample Description	Method	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G277638		1.24	>10.0	30.4	6.9	0.17	>10000	<10	40	<0.5	<2	2.50	<0.5	14	11	163
G277617		3.25	0.027		<0.2	1.86	67	<10	40	<0.5	<2	5.86	<0.5	34	30	50
G277618		2.12	1.980		0.2	0.33	5390	<10	50	0.5	<2	9.6	<0.5	30	6	37
G277619		1.73	0.193		<0.2	1.43	112	<10	50	<0.5	<2	6.39	<0.5	35	21	49
G277620		0.08	0.725		2.5	0.77	30	<10	90	<0.5	2	2.04	0.6	9	34	7540
G277621		4.60	<0.005		0.2	3.76	19	<10	<10	<0.5	<2	6.58	<0.5	37	47	61
G277622		1.63	0.061		0.3	4.28	113	<10	10	0.7	<2	9.2	<0.5	33	47	54
G277623		2.27	<0.005		<0.2	4.35	7	<10	60	<0.5	<2	2.91	<0.5	39	63	63
G277624		2.25	<0.005		<0.2	4.40	6	<10	90	<0.5	<2	4.65	<0.5	39	59	66
G277625		<0.02	<0.005		<0.2	4.17	4	<10	100	<0.5	<2	4.60	<0.5	37	58	65
G277626		1.96	0.171		0.2	2.65	53	<10	70	0.5	<2	5.32	<0.5	38	37	67
G277627		2.69	2.02		0.3	0.32	6360	<10	40	<0.5	<2	5.99	<0.5	35	8	32
G277628		1.81	1.030		0.3	0.59	296	<10	30	<0.5	<2	5.90	<0.5	36	6	60
G277629		0.84	2.65		0.6	0.31	>10000	<10	50	<0.5	<2	4.08	<0.5	25	7	23
G277630		0.37	<0.005		<0.2	0.03	15	<10	<10	<0.5	<2	>25.0	<0.5	1	1	<1
G277631		2.63	1.815		0.6	1.18	5410	<10	40	<0.5	<2	5.77	<0.5	34	11	43
G277632		2.53	<0.005		0.2	4.03	39	<10	10	<0.5	<2	5.93	<0.5	38	39	55
G277633		3.88	<0.005		<0.2	3.04	20	<10	20	0.5	<2	6.16	<0.5	34	35	43
G277634		2.60	0.277		0.2	3.15	284	<10	20	0.9	<2	6.01	<0.5	38	26	69
G277635		1.03	0.618		0.3	0.63	599	<10	20	<0.5	<2	5.39	<0.5	25	10	32
G277636		2.71	2.80		0.9	0.79	743	<10	30	<0.5	<2	6.45	<0.5	36	12	54
G277637		1.78	>10.0	12.40	1.5	0.39	>10000	<10	60	<0.5	<2	6.22	<0.5	39	5	8
G277639		0.42	0.009		<0.2	0.06	11	<10	<10	<0.5	<2	>25.0	<0.5	1	1	<1
G277640		0.07	9.98	9.65	0.7	1.58	3860	<10	50	<0.5	<2	0.87	<0.5	15	68	67
G277641		2.69	4.64		0.9	0.41	>10000	<10	50	<0.5	<2	6.48	<0.5	33	7	32
G277642		2.80	<0.005		0.3	4.53	38	<10	<10	<0.5	<2	6.29	<0.5	38	60	59
G277643		3.96	<0.005		<0.2	4.52	12	<10	10	<0.5	<2	5.63	<0.5	38	58	58
G277644		3.98	<0.005		<0.2	4.64	32	<10	<10	<0.5	<2	6.27	<0.5	38	56	57
G277645		1.00	1.200		0.4	1.23	3780	<10	30	<0.5	<2	6.15	<0.5	37	22	69
G277646		1.16	0.268		<0.2	0.05	1195	<10	<10	<0.5	<2	1.55	<0.5	4	9	1
G277647		2.05	1.465		0.4	0.35	2100	<10	40	<0.5	<2	8.4	<0.5	30	6	24
G277648		3.17	1.410		0.4	0.60	750	<10	40	<0.5	<2	8.5	<0.5	32	8	44
G277649		1.08	0.008		0.2	2.43	67	<10	20	<0.5	<2	6.42	<0.5	35	33	53
G277650		0.37	<0.005		<0.2	0.03	3	<10	<10	<0.5	<2	>25.0	<0.5	1	1	<1
G277651		2.32	<0.005		0.2	4.81	7	<10	<10	<0.5	<2	6.41	<0.5	38	57	54
G277652		3.37	<0.005		<0.2	3.07	6	<10	60	<0.5	<2	1.53	<0.5	32	49	65
G277653		4.17	<0.005		0.3	2.89	5	<10	20	<0.5	<2	1.31	<0.5	30	50	62
G277654		4.59	<0.005		0.2	3.11	9	<10	<10	<0.5	<2	2.14	<0.5	33	96	73
G277655		2.85	<0.005		<0.2	2.82	6	<10	<10	<0.5	<2	1.63	<0.5	31	44	66
G277656		3.52	<0.005		<0.2	3.26	6	<10	30	<0.5	<2	2.31	<0.5	32	43	59



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**CERTIFICATE OF ANALYSIS TR12164074**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	
G277638		4.30	<10	<1	0.09	<10	0.59	411	<1	0.01	14	150	<2	3.36	57	5
G277617		8.32	10	<1	0.09	<10	2.64	1465	<1	0.03	31	790	<2	0.16	<2	24
G277618		7.45	<10	<1	0.16	<10	2.36	1345	<1	0.02	26	560	<2	2.07	4	20
G277619		8.48	<10	<1	0.15	<10	2.84	1510	<1	0.02	29	730	<2	0.56	3	24
G277620		7.27	<10	2	0.32	<10	0.96	968	9	0.07	18	660	27	2.99	25	4
G277621		9.43	10	<1	0.05	<10	3.34	1595	<1	0.03	37	810	<2	0.18	<2	31
G277622		9.08	10	<1	0.02	<10	2.72	1375	<1	0.02	33	770	<2	0.33	<2	29
G277623		9.77	10	<1	0.01	<10	3.48	1230	<1	0.03	39	910	<2	0.21	<2	19
G277624		8.98	10	<1	0.04	<10	3.18	1375	<1	0.03	38	930	<2	0.19	<2	22
G277625		8.64	10	<1	0.04	<10	3.02	1335	<1	0.03	38	900	<2	0.20	<2	21
G277626		8.88	10	<1	0.07	<10	2.48	1650	<1	0.02	35	950	<2	0.47	<2	33
G277627		7.99	<10	<1	0.18	<10	2.84	1445	<1	0.02	30	410	<2	2.86	<2	23
G277628		9.90	<10	<1	0.21	<10	3.16	1595	<1	0.03	20	890	<2	2.01	<2	23
G277629		5.71	<10	<1	0.18	<10	1.67	946	<1	0.02	24	650	<2	2.85	3	14
G277630		0.06	<10	<1	0.01	<10	1.70	30	<1	0.02	<1	40	<2	0.10	<2	<1
G277631		9.02	<10	<1	0.17	<10	2.80	1500	<1	0.03	25	780	<2	1.62	<2	23
G277632		9.96	20	<1	0.04	<10	3.19	1610	<1	0.03	33	860	<2	0.25	<2	33
G277633		9.23	10	<1	0.04	<10	2.80	1535	<1	0.04	30	860	<2	0.22	<2	30
G277634		10.30	10	<1	0.06	<10	2.36	1450	1	0.02	29	890	<2	0.98	<2	31
G277635		6.95	<10	1	0.09	<10	1.58	879	<1	0.02	21	500	3	2.45	5	15
G277636		8.97	<10	<1	0.15	<10	2.56	1650	<1	0.02	25	860	<2	2.73	2	25
G277637		10.15	<10	<1	0.22	<10	2.75	1305	<1	0.02	37	360	2	9.20	<2	24
G277639		0.09	<10	<1	<0.01	<10	1.82	27	<1	0.02	<1	30	<2	0.13	<2	<1
G277640		3.68	10	<1	0.17	10	0.90	385	7	0.08	62	480	7	0.91	33	5
G277641		8.47	<10	<1	0.20	<10	2.83	1360	<1	0.03	31	640	<2	3.52	2	23
G277642		9.79	20	<1	0.01	<10	3.65	1600	<1	0.06	38	840	<2	0.19	<2	34
G277643		9.62	20	<1	0.01	<10	3.68	1565	<1	0.05	37	840	<2	0.20	<2	29
G277644		9.56	20	<1	0.01	<10	3.52	1560	<1	0.04	36	820	<2	0.13	<2	33
G277645		8.83	10	<1	0.13	<10	2.95	1600	<1	0.03	34	770	<2	2.61	<2	27
G277646		1.77	<10	<1	0.02	<10	0.41	285	<1	0.02	4	160	<2	0.65	<2	3
G277647		7.70	<10	1	0.19	<10	2.76	1420	<1	0.02	26	510	<2	4.11	2	22
G277648		8.14	<10	<1	0.22	<10	2.95	1650	<1	0.03	27	630	<2	3.34	<2	23
G277649		8.65	10	<1	0.08	<10	3.06	1580	<1	0.04	32	780	<2	0.23	<2	29
G277650		0.06	<10	<1	<0.01	<10	1.82	29	<1	0.03	<1	40	<2	0.10	<2	<1
G277651		9.22	20	<1	0.01	<10	3.36	1550	<1	0.04	37	800	<2	0.20	<2	31
G277652		6.65	10	<1	0.01	<10	2.21	1075	<1	0.06	32	880	<2	0.23	<2	7
G277653		6.10	10	<1	<0.01	<10	2.00	928	<1	0.06	29	880	<2	0.18	<2	6
G277654		6.20	10	<1	<0.01	<10	2.39	1020	<1	0.07	38	740	<2	0.20	<2	10
G277655		6.17	10	<1	<0.01	<10	1.93	953	<1	0.07	31	840	<2	0.23	<2	5
G277656		7.44	10	<1	<0.01	<10	2.15	1140	1	0.06	26	1030	<2	0.36	<2	9



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**CERTIFICATE OF ANALYSIS TR12164074**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G277638		73	<20	<0.01	<10	<10	9	<10	27
G277617		78	<20	0.05	<10	<10	141	<10	94
G277618		178	<20	<0.01	<10	<10	24	<10	48
G277619		101	<20	<0.01	<10	<10	93	<10	84
G277620		72	<20	0.04	<10	<10	44	<10	112
G277621		111	<20	0.01	<10	<10	241	<10	114
G277622		108	<20	0.01	<10	<10	272	<10	98
G277623		43	<20	0.46	<10	<10	268	<10	113
G277624		75	<20	0.42	<10	<10	260	<10	109
G277625		76	<20	0.43	<10	<10	253	<10	106
G277626		65	<20	0.01	<10	<10	279	<10	115
G277627		205	<20	<0.01	<10	<10	24	<10	49
G277628		140	<20	<0.01	<10	<10	38	<10	87
G277629		165	<20	<0.01	<10	<10	19	<10	27
G277630		4870	20	<0.01	<10	<10	1	<10	<2
G277631		135	<20	<0.01	<10	<10	59	<10	82
G277632		96	<20	0.02	<10	<10	284	<10	111
G277633		109	<20	0.01	<10	<10	253	<10	108
G277634		101	<20	0.01	<10	<10	258	<10	109
G277635		80	<20	<0.01	<10	<10	41	<10	50
G277636		182	<20	<0.01	<10	<10	74	<10	89
G277637		346	<20	<0.01	<10	<10	22	<10	31
G277639		4880	20	<0.01	<10	<10	1	<10	2
G277640		45	<20	0.10	<10	<10	50	40	50
G277641		261	<20	<0.01	<10	<10	26	<10	48
G277642		129	<20	0.04	<10	<10	347	<10	111
G277643		122	<20	0.34	<10	<10	314	<10	108
G277644		144	<20	0.02	<10	<10	329	<10	113
G277645		204	<20	<0.01	<10	<10	106	<10	80
G277646		50	<20	<0.01	<10	<10	5	<10	7
G277647		286	<20	<0.01	<10	<10	29	<10	99
G277648		252	<20	<0.01	<10	<10	34	<10	78
G277649		109	<20	0.01	<10	<10	170	<10	105
G277650		5200	20	<0.01	<10	<10	1	<10	<2
G277651		66	<20	0.09	<10	<10	316	<10	110
G277652		28	<20	0.52	<10	<10	173	<10	80
G277653		36	<20	0.55	<10	<10	155	<10	75
G277654		36	<20	0.56	<10	<10	176	<10	75
G277655		21	<20	0.91	<10	<10	193	<10	75
G277656		32	<20	1.00	<10	<10	242	<10	91



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**CERTIFICATE OF ANALYSIS TR12164074**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G277657		4.01	<0.005		<0.2	2.86	5	<10	330	<0.5	<2	2.07	<0.5	28	38	50
G277658		4.42	<0.005		<0.2	2.96	4	<10	150	0.5	<2	2.03	<0.5	33	37	67
G277659		4.41	<0.005		<0.2	3.35	4	<10	220	0.5	<2	2.20	<0.5	32	39	46
G277660		0.07	3.46		4.1	1.52	286	<10	420	<0.5	<2	1.37	1.5	9	55	77
G277661		2.25	<0.005		0.3	3.93	4	<10	200	0.5	<2	2.88	<0.5	35	40	55
G277662		3.74	<0.005		0.3	3.92	63	<10	30	<0.5	<2	7.1	<0.5	35	67	39
G277663		2.58	<0.005		<0.2	4.35	26	<10	10	<0.5	<2	5.97	<0.5	35	85	33
G277664		2.73	<0.005		<0.2	4.49	4	<10	10	<0.5	<2	5.09	<0.5	37	82	42
G277665		1.82	<0.005		<0.2	2.32	10	<10	40	0.6	<2	5.62	<0.5	36	66	59
G277666		3.20	<0.005		<0.2	3.36	5	<10	120	0.8	<2	11.8	<0.5	33	32	29
G277667		3.31	<0.005		<0.2	3.90	4	<10	50	0.5	<2	2.89	<0.5	33	42	61
G277668		3.48	<0.005		0.3	3.57	5	<10	180	0.5	<2	2.65	<0.5	35	38	63
G277669		2.06	<0.005		<0.2	3.17	<2	<10	610	0.5	<2	2.52	<0.5	32	42	48
G277670		0.37	<0.005		<0.2	0.10	4	<10	10	<0.5	3	>25.0	<0.5	<1	1	<1



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12164074**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G277657		6.88	10	1	0.04	<10	1.65	1165	<1	0.09	25	1210	<2	0.26	4	7
G277658		6.99	10	1	0.02	<10	1.65	1080	<1	0.08	25	1190	<2	0.46	2	5
G277659		7.65	10	<1	0.02	<10	2.06	1195	<1	0.06	25	1210	<2	0.34	4	9
G277660		3.36	<10	5	0.14	10	0.82	455	13	0.09	40	790	297	0.68	29	4
G277661		8.84	10	1	0.02	<10	2.50	1405	<1	0.05	27	1150	<2	0.40	3	15
G277662		8.34	10	<1	0.02	<10	2.96	1410	<1	0.03	37	760	<2	0.30	<2	29
G277663		7.89	10	1	0.01	<10	3.41	1425	<1	0.04	43	630	<2	0.02	<2	32
G277664		8.48	10	<1	<0.01	<10	3.66	1450	<1	0.04	44	700	<2	0.02	<2	23
G277665		6.92	10	1	0.01	<10	1.29	1725	<1	0.02	46	680	2	0.32	<2	29
G277666		7.58	10	1	0.02	10	1.85	1755	<1	0.03	26	940	4	0.39	<2	24
G277667		9.24	10	1	<0.01	<10	2.62	1345	<1	0.05	27	1110	2	0.18	<2	16
G277668		8.82	10	1	0.02	<10	2.61	1280	<1	0.05	28	1140	2	0.49	<2	13
G277669		7.96	10	1	0.05	<10	2.22	1335	<1	0.10	27	1220	3	0.26	<2	11
G277670		0.15	<10	<1	<0.01	<10	1.52	35	<1	0.02	2	50	<2	0.06	<2	1





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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12164074**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn
Units		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LOR		1	20	0.01	10	10	1	10	2
G277657		33	<20	0.94	<10	<10	226	<10	92
G277658		23	<20	1.04	<10	<10	224	<10	94
G277659		33	<20	1.07	<10	<10	253	<10	107
G277660		35	<20	0.09	<10	<10	61	<10	285
G277661		31	<20	1.01	10	<10	302	<10	119
G277662		95	<20	0.07	<10	<10	285	<10	118
G277663		69	<20	0.08	<10	<10	307	<10	107
G277664		157	<20	0.30	<10	<10	312	<10	120
G277665		84	<20	0.01	<10	<10	250	<10	127
G277666		139	<20	0.01	<10	<10	236	<10	94
G277667		45	<20	1.15	<10	<10	317	<10	124
G277668		46	<20	1.04	<10	<10	290	<10	112
G277669		53	<20	1.14	<10	<10	290	<10	106
G277670		5370	20	0.02	<10	<10	5	<10	2



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**CERTIFICATE TR12172174**

Project: CMV-12-01  
 P.O. No.: CMV12-01\_17  
 This report is for 2 Other samples submitted to our lab in Terrace, BC, Canada on 29-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
SCR-21	Screen to -100 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV-12-01

**CERTIFICATE OF ANALYSIS TR12172174**

Sample Description	Method Analyte Units LOR	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
		Au Total ppm	Au (+) F ppm	Au (-) F ppm	Au (+) m mg	WT. + Fr g	WT. - Fr g	Au ppm	Au ppm
G277638		36.2	43.1	36.1	0.621	14.42	700.1	35.9	36.3
G277637		11.55	19.85	11.40	0.233	11.74	647.9	11.20	11.60



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**CERTIFICATE TR12161498**

Project: Cassiar  
 P.O. No.: CMV12-01\_18  
 This report is for 1 Crushed Core sample submitted to our lab in Terrace, BC, Canada on 18-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
SCR-21	Screen to -100 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
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Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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 Account: EIACMV

Project: Cassiar

**CERTIFICATE OF ANALYSIS TR12161498**

Sample Description	Method Analyte Units LOR	Au-SCR24 Au Total ppm	Au-SCR24 Au (+) F ppm	Au-SCR24 Au (-) F ppm	Au-SCR24 Au (+) m mg	Au-SCR24 WT. + Fr g	Au-SCR24 WT. - Fr g	Au-AA26 Au ppm	Au-AA26D Au ppm
G277676		0.05	0.05	0.05	0.001	0.01	0.1	0.01	0.01
		0.75	6.52	0.60	0.106	16.26	632.7	0.59	0.61



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**CERTIFICATE TR12164075**

Project: CMV12-01  
 P.O. No.: CMV12-01\_18  
 This report is for 92 Drill Core samples submitted to our lab in Terrace, BC, Canada on 17-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
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<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
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Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12164075**

Sample Description	Method	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR															
G277671		4.33	<0.005		<0.2	4.16	13	<10	10	0.6	<2	4.89	0.8	40	45	79
G277672		1.34	0.009		<0.2	4.31	33	<10	10	0.5	<2	5.22	0.8	39	43	64
G277673		4.19	<0.005		0.2	4.45	8	<10	10	0.6	<2	5.73	1.0	40	46	65
G277674		3.06	<0.005		0.2	4.11	46	<10	10	<0.5	<2	6.01	1.0	40	44	71
G277675		1.39	<0.005		0.2	4.19	43	<10	10	<0.5	<2	6.03	0.9	42	45	80
G277676		1.35	0.650		0.7	1.11	1455	<10	40	<0.5	<2	7.4	0.7	35	34	45
G277677		2.03	<0.005		0.2	3.33	61	<10	10	<0.5	<2	5.87	0.7	37	92	72
G277678		3.39	<0.005		<0.2	2.88	61	<10	10	<0.5	<2	5.63	0.8	38	87	73
G277679		2.60	1.975		1.2	2.11	450	<10	30	<0.5	<2	5.22	0.8	38	45	74
G277680		0.07	0.280		0.4	0.39	456	<10	950	<0.5	<2	1.04	0.6	5	40	41
G277681		2.45	7.95	7.78	7.3	0.30	1890	<10	50	<0.5	<2	6.25	1.1	42	3	159
G277682		3.27	>10.0	15.25	2.1	0.16	3580	<10	40	<0.5	<2	1.66	0.5	17	8	21
G277683		1.16	1.985		1.9	0.31	1380	<10	60	<0.5	<2	6.25	1.0	40	3	61
G277684		4.42	0.010		0.2	0.40	70	<10	20	<0.5	<2	5.15	1.0	39	6	63
G277685		3.49	<0.005		<0.2	1.82	18	<10	30	<0.5	<2	5.64	0.8	39	22	42
G277686		3.08	<0.005		<0.2	3.71	4	<10	10	<0.5	<2	5.22	1.0	40	48	58
G277687		3.00	<0.005		<0.2	3.00	28	<10	40	<0.5	<2	5.24	1.0	40	36	60
G277688		3.22	0.088		0.2	0.41	1295	<10	10	<0.5	<2	5.62	0.9	33	9	47
G277689		3.99	<0.005		0.2	3.05	22	<10	10	<0.5	<2	5.04	0.9	38	46	269
G277690		0.35	<0.005		5.9	0.05	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	4
G277691		1.79	<0.005		<0.2	3.71	5	<10	10	<0.5	<2	4.63	0.7	39	51	51
G277692		4.56	<0.005		0.2	4.32	5	<10	60	<0.5	<2	5.93	0.7	38	50	63
G277693		4.43	0.052		<0.2	3.25	11	<10	10	<0.5	<2	5.10	0.8	40	48	52
G277694		3.90	0.111		0.2	2.87	37	<10	10	<0.5	<2	5.50	0.9	39	47	70
G277695		1.59	0.630		<0.2	2.22	9620	<10	20	<0.5	<2	6.00	0.8	38	24	65
G277696		3.12	0.108		<0.2	1.03	564	<10	30	<0.5	<2	6.03	0.9	40	12	60
G277697		1.86	0.024		0.6	2.37	125	<10	40	<0.5	<2	5.78	0.8	38	15	57
G277698		0.82	<0.005		<0.2	3.48	85	<10	10	<0.5	<2	5.95	<0.5	33	44	53
G277699		2.70	0.007		<0.2	3.24	188	<10	10	<0.5	<2	6.27	<0.5	37	45	61
G277700		0.07	0.756		2.9	0.74	29	10	70	<0.5	<2	1.94	0.6	8	32	7470
G277701		3.73	0.007		<0.2	4.35	9	<10	10	<0.5	<2	5.30	<0.5	35	51	80
G277702		3.27	<0.005		<0.2	4.48	11	<10	10	<0.5	<2	5.68	<0.5	38	56	60
G277703		2.73	<0.005		<0.2	4.54	10	<10	10	<0.5	<2	6.29	<0.5	36	53	75
G277704		4.02	<0.005		<0.2	4.82	18	<10	<10	<0.5	<2	6.25	<0.5	34	53	161
G277705		3.14	<0.005		<0.2	4.92	8	<10	10	<0.5	<2	6.67	<0.5	35	53	61
G277706		4.39	<0.005		<0.2	4.49	7	<10	10	<0.5	<2	7.4	<0.5	35	50	68
G277707		4.33	<0.005		<0.2	4.98	16	<10	<10	<0.5	<2	6.43	<0.5	35	51	63
G277708		3.33	<0.005		<0.2	5.03	41	<10	<10	<0.5	<2	7.2	<0.5	36	102	72
G277709		4.03	0.069		<0.2	2.30	977	<10	60	<0.5	<2	7.6	<0.5	34	51	76
G277710		0.30	<0.005		<0.2	0.07	5	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	<1



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G277671		8.82	20	<1	<0.01	<10	3.08	1470	<1	0.03	31	770	<2	0.17	2	33
G277672		8.88	20	1	0.01	<10	3.05	1435	<1	0.03	31	750	<2	0.11	<2	32
G277673		9.25	20	1	<0.01	<10	3.08	1505	<1	0.03	31	770	<2	0.19	<2	35
G277674		8.94	20	<1	<0.01	<10	3.11	1475	<1	0.03	32	740	<2	0.22	<2	33
G277675		9.13	20	<1	<0.01	<10	3.18	1540	<1	0.03	35	750	<2	0.18	<2	33
G277676		6.30	<10	<1	0.12	<10	3.10	1515	<1	0.02	36	270	<2	1.35	<2	26
G277677		6.96	10	<1	0.04	<10	3.88	1235	<1	0.03	45	350	<2	0.14	<2	32
G277678		6.97	10	<1	0.04	<10	3.84	1275	<1	0.04	42	350	<2	0.09	<2	32
G277679		7.66	10	<1	0.09	<10	3.14	1405	<1	0.02	33	530	<2	2.42	5	27
G277680		3.87	<10	4	0.09	10	0.04	73	13	0.04	15	140	11	0.23	28	1
G277681		8.84	<10	<1	0.19	<10	2.96	1710	<1	0.02	30	610	<2	8.77	53	25
G277682		5.00	<10	<1	0.10	<10	0.65	396	<1	0.01	17	240	<2	4.72	4	6
G277683		8.61	<10	<1	0.19	<10	2.98	1515	<1	0.02	29	700	<2	4.80	10	23
G277684		8.63	<10	<1	0.10	<10	2.97	1400	<1	0.07	32	740	<2	0.24	<2	26
G277685		8.40	10	<1	0.06	<10	3.05	1335	<1	0.07	30	720	<2	0.18	<2	27
G277686		9.06	20	<1	0.01	<10	3.34	1460	<1	0.04	35	760	<2	0.12	<2	33
G277687		8.67	10	<1	0.02	<10	3.27	1310	<1	0.08	36	740	<2	0.16	<2	31
G277688		7.72	<10	<1	0.03	<10	2.67	1350	<1	0.08	28	650	<2	0.24	5	25
G277689		8.39	10	<1	0.01	<10	3.11	1470	<1	0.05	34	700	<2	0.19	<2	31
G277690		0.07	<10	<1	0.01	<10	1.50	33	<1	0.02	<1	40	<2	0.08	<2	<1
G277691		8.79	20	1	<0.01	<10	3.29	1520	<1	0.03	36	760	<2	0.05	<2	34
G277692		8.30	20	1	<0.01	<10	3.04	1460	<1	0.03	34	690	<2	0.14	<2	31
G277693		8.82	20	<1	<0.01	<10	3.10	1435	<1	0.04	34	670	<2	0.25	<2	31
G277694		8.72	10	<1	0.02	<10	3.15	1490	<1	0.05	35	730	<2	0.25	<2	29
G277695		8.61	10	<1	0.10	<10	2.86	1370	<1	0.04	33	560	<2	0.68	2	22
G277696		8.39	<10	<1	0.12	<10	2.92	1425	<1	0.04	34	700	<2	0.40	<2	20
G277697		8.32	10	<1	0.07	<10	3.23	1300	<1	0.05	32	910	<2	0.16	<2	24
G277698		8.97	10	1	0.03	<10	3.23	1530	<1	0.04	39	800	2	0.16	<2	31
G277699		9.12	10	1	0.02	<10	3.26	1550	<1	0.04	39	790	<2	0.19	3	30
G277700		6.80	<10	3	0.29	<10	0.90	929	9	0.06	16	650	21	2.93	27	3
G277701		8.60	20	1	<0.01	<10	3.14	1425	<1	0.02	38	770	<2	0.20	<2	31
G277702		9.29	20	1	<0.01	<10	3.29	1560	<1	0.03	41	800	2	0.22	3	32
G277703		9.23	20	1	<0.01	<10	3.25	1575	<1	0.02	40	750	2	0.18	2	32
G277704		8.76	20	1	0.01	<10	3.25	1525	<1	0.01	39	780	<2	0.24	<2	32
G277705		8.85	20	1	<0.01	<10	3.28	1600	<1	0.01	39	750	<2	0.14	<2	33
G277706		8.40	20	1	<0.01	<10	2.96	1530	<1	0.02	38	700	<2	0.27	2	30
G277707		9.01	20	1	<0.01	<10	3.21	1470	<1	0.02	40	780	<2	0.18	<2	32
G277708		7.78	20	1	<0.01	<10	3.73	1415	<1	0.02	50	490	<2	0.09	2	35
G277709		6.86	10	1	0.10	<10	3.57	1390	<1	0.02	47	390	<2	0.24	2	24
G277710		0.10	<10	1	<0.01	<10	1.66	30	<1	0.02	3	40	<2	0.10	<2	<1





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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G277671		105	<20	0.56	<10	<10	340	<10	111
G277672		120	<20	0.34	<10	<10	334	<10	110
G277673		128	<20	0.53	<10	<10	353	<10	109
G277674		156	<20	0.11	<10	<10	328	<10	108
G277675		155	<20	0.11	<10	<10	339	<10	110
G277676		251	<20	<0.01	<10	<10	63	<10	53
G277677		94	<20	0.02	<10	<10	193	<10	73
G277678		83	<20	0.01	<10	<10	183	<10	78
G277679		147	<20	<0.01	<10	<10	132	<10	88
G277680		84	<20	0.01	10	<10	28	10	22
G277681		390	<20	<0.01	<10	<10	20	<10	50
G277682		74	<20	<0.01	<10	<10	11	<10	108
G277683		307	<20	<0.01	<10	<10	22	<10	61
G277684		130	<20	<0.01	<10	<10	33	<10	92
G277685		107	<20	<0.01	<10	<10	105	<10	125
G277686		92	<20	0.01	<10	<10	277	<10	113
G277687		90	<20	0.01	<10	<10	190	<10	102
G277688		100	<20	<0.01	<10	<10	35	<10	65
G277689		87	<20	0.01	<10	<10	258	<10	99
G277690		5290	20	<0.01	<10	<10	<1	<10	<2
G277691		76	<20	0.02	<10	<10	309	<10	104
G277692		135	<20	0.07	<10	<10	315	<10	101
G277693		76	<20	0.02	<10	<10	315	<10	105
G277694		82	<20	0.01	<10	<10	265	<10	107
G277695		124	<20	0.01	<10	<10	131	<10	106
G277696		136	<20	<0.01	<10	<10	54	<10	79
G277697		117	<20	<0.01	<10	<10	76	<10	86
G277698		109	<20	0.01	<10	<10	213	<10	117
G277699		106	<20	0.01	<10	<10	231	<10	112
G277700		70	<20	0.04	<10	<10	43	<10	108
G277701		139	<20	0.04	<10	<10	312	<10	111
G277702		141	<20	0.07	<10	<10	345	<10	115
G277703		147	<20	0.07	<10	<10	330	<10	115
G277704		165	<20	0.04	<10	<10	319	<10	115
G277705		151	<20	0.05	<10	<10	331	<10	112
G277706		114	<20	0.06	<10	<10	310	<10	102
G277707		123	<20	0.06	<10	<10	344	<10	112
G277708		158	<20	0.02	<10	<10	296	<10	93
G277709		147	<20	<0.01	<10	<10	104	<10	80
G277710		5930	30	<0.01	<10	<10	3	<10	2



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**CERTIFICATE OF ANALYSIS TR12164075**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G277711		3.59	<0.005		<0.2	3.05	95	<10	10	<0.5	<2	6.06	<0.5	35	68	73
G277712		4.14	<0.005		<0.2	2.89	77	<10	10	<0.5	<2	6.04	<0.5	36	40	61
G277713		3.84	0.029		<0.2	3.08	102	<10	20	<0.5	<2	5.51	<0.5	38	38	59
G277714		3.87	<0.005		<0.2	3.03	92	<10	10	<0.5	<2	5.73	<0.5	37	40	64
G277715		3.74	0.286		<0.2	2.75	1560	<10	20	<0.5	2	6.70	<0.5	34	33	56
G277716		4.36	<0.005		<0.2	3.58	188	<10	10	<0.5	<2	5.65	<0.5	36	45	67
G277717		4.28	<0.005		<0.2	4.83	95	<10	10	<0.5	<2	6.06	<0.5	38	52	67
G277718		4.35	<0.005		<0.2	3.93	88	<10	<10	<0.5	<2	5.13	<0.5	36	53	59
G277719		3.78	<0.005		<0.2	3.87	87	<10	10	<0.5	<2	5.44	<0.5	38	52	50
G277720		0.07	0.655		2.2	0.75	32	<10	100	<0.5	3	1.96	0.7	7	33	7520
G277721		1.04	<0.005		<0.2	0.64	18	<10	10	<0.5	<2	6.46	<0.5	9	19	18
G277722		2.71	0.064		<0.2	3.29	63	<10	<10	<0.5	2	8.3	<0.5	36	51	35
G277723		3.05	0.006		<0.2	4.21	40	<10	10	<0.5	<2	4.91	<0.5	40	52	50
G277724		3.27	<0.005		<0.2	4.91	12	<10	20	<0.5	<2	4.55	<0.5	40	55	79
G277725		<0.02	<0.005		<0.2	4.80	10	<10	20	<0.5	<2	4.50	<0.5	39	53	77
G277726		3.72	<0.005		<0.2	4.24	2	<10	1700	<0.5	<2	3.83	<0.5	37	63	71
G277727		2.56	<0.005		<0.2	3.92	31	<10	10	<0.5	<2	6.16	<0.5	38	46	69
G277728		2.68	<0.005		<0.2	3.09	60	<10	10	<0.5	<2	5.35	<0.5	36	65	53
G277729		3.12	<0.005		<0.2	2.02	75	<10	10	<0.5	<2	5.10	<0.5	36	25	57
G277730		0.40	<0.005		<0.2	0.05	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G277731		4.34	0.005		<0.2	2.01	80	<10	20	<0.5	<2	5.73	<0.5	36	21	73
G277732		2.66	0.111		<0.2	0.47	161	<10	70	<0.5	<2	5.84	<0.5	33	6	31
G277733		2.91	0.061		<0.2	1.25	71	<10	20	<0.5	2	5.28	<0.5	32	13	62
G277734		3.59	<0.005		<0.2	0.43	83	<10	10	<0.5	<2	5.08	<0.5	33	5	50
G277735		1.11	0.029		<0.2	0.30	332	<10	20	<0.5	<2	5.06	<0.5	33	6	57
G277736		0.89	6.38	6.27	0.3	0.31	>10000	<10	30	<0.5	<2	6.00	<0.5	29	3	26
G277737		1.11	0.077		<0.2	0.91	1340	<10	20	<0.5	<2	5.65	<0.5	34	4	51
G277738		4.72	<0.005		<0.2	1.40	102	<10	10	<0.5	<2	5.10	<0.5	35	13	42
G277739		2.23	0.046		<0.2	0.71	97	<10	20	<0.5	<2	5.84	<0.5	32	7	37
G277740		0.07	9.88	9.77	0.5	1.50	4030	<10	60	<0.5	<2	0.79	<0.5	13	67	68
G277741		1.97	0.010		<0.2	1.32	71	<10	10	<0.5	<2	5.45	<0.5	32	17	21
G277742		4.08	0.126		<0.2	0.53	117	<10	30	<0.5	<2	4.46	<0.5	34	8	52
G277743		2.07	1.425		<0.2	0.41	341	<10	40	<0.5	<2	5.66	<0.5	32	12	43
G277744		2.51	0.007		<0.2	1.11	121	<10	20	<0.5	<2	5.67	<0.5	37	18	77
G277745		4.78	<0.005		<0.2	1.30	128	<10	30	<0.5	2	5.57	<0.5	34	14	47
G277746		3.08	4.38		0.6	1.31	>10000	<10	60	<0.5	<2	6.14	<0.5	38	5	52
G277747		2.11	0.504		<0.2	0.54	1005	<10	40	<0.5	<2	5.92	<0.5	33	3	31
G277748		2.07	0.012		<0.2	0.73	181	<10	40	<0.5	<2	6.04	<0.5	33	7	55
G277749		4.47	<0.005		<0.2	4.47	47	<10	10	<0.5	<2	6.68	<0.5	34	69	77
G277750		0.39	<0.005		<0.2	0.04	2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	1



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G277711		8.04	10	<1	0.03	<10	3.74	1430	<1	0.05	46	550	<2	0.18	2	30
G277712		8.81	10	1	0.04	<10	3.20	1555	<1	0.05	40	800	<2	0.31	<2	29
G277713		8.62	10	1	0.03	<10	3.06	1475	<1	0.05	39	770	<2	0.25	<2	28
G277714		9.03	10	1	0.02	<10	3.17	1625	<1	0.05	39	780	<2	0.23	<2	29
G277715		8.82	10	1	0.07	<10	3.12	1630	<1	0.02	37	720	<2	0.38	<2	24
G277716		8.69	10	1	0.01	<10	3.02	1515	<1	0.02	39	710	<2	0.24	<2	29
G277717		9.59	20	1	<0.01	<10	3.41	1525	<1	0.02	40	760	<2	0.18	<2	33
G277718		9.25	20	1	<0.01	<10	3.36	1655	<1	0.04	39	820	<2	0.16	4	35
G277719		9.61	20	1	<0.01	<10	3.72	2110	<1	0.03	40	840	<2	0.12	<2	36
G277720		6.89	<10	3	0.30	<10	0.90	937	9	0.06	17	660	23	2.95	29	4
G277721		3.26	<10	<1	<0.01	<10	1.23	1890	<1	0.02	10	630	<2	0.01	<2	17
G277722		9.34	10	1	<0.01	<10	3.85	2350	<1	0.04	38	750	<2	0.11	4	36
G277723		9.40	20	<1	<0.01	<10	3.46	1415	1	0.03	43	700	<2	0.23	<2	33
G277724		8.81	10	1	0.01	<10	3.51	1170	<1	0.01	45	660	<2	0.27	3	33
G277725		8.58	10	1	0.01	<10	3.41	1140	<1	0.01	43	640	<2	0.27	<2	33
G277726		7.24	10	1	0.01	<10	3.74	1445	<1	0.02	46	570	<2	0.10	3	23
G277727		8.66	10	1	0.01	<10	3.31	1525	<1	0.02	41	650	<2	0.18	<2	33
G277728		8.66	10	<1	0.02	<10	3.26	1585	<1	0.04	43	730	<2	0.11	6	31
G277729		9.52	10	1	0.05	<10	2.61	1480	<1	0.06	30	1010	<2	0.26	<2	27
G277730		0.07	<10	1	<0.01	<10	2.07	32	<1	0.02	2	40	<2	0.20	<2	<1
G277731		10.65	10	1	0.08	<10	2.82	1695	<1	0.05	28	1060	<2	0.28	3	29
G277732		9.24	<10	1	0.15	<10	2.88	1895	<1	0.02	23	1080	<2	0.43	<2	26
G277733		9.19	<10	1	0.05	<10	2.36	1535	<1	0.04	25	990	3	0.37	3	26
G277734		9.29	<10	<1	0.04	<10	2.48	1435	1	0.07	28	950	4	0.24	3	25
G277735		9.40	<10	<1	0.06	<10	2.50	1440	<1	0.06	27	1020	3	0.46	6	26
G277736		9.23	<10	<1	0.08	<10	2.09	1225	<1	0.03	24	720	2	4.49	24	20
G277737		9.16	<10	1	0.05	<10	2.66	1660	<1	0.05	24	950	<2	0.31	4	25
G277738		9.61	10	<1	0.02	<10	2.69	1525	1	0.05	27	1050	<2	0.21	2	30
G277739		9.28	<10	<1	0.05	<10	2.69	1640	<1	0.06	24	940	2	0.37	3	29
G277740		3.64	10	<1	0.16	10	0.86	381	7	0.06	65	480	5	0.92	37	5
G277741		8.88	10	<1	0.04	<10	2.77	1515	<1	0.05	30	960	<2	0.25	<2	28
G277742		9.56	<10	<1	0.08	<10	2.70	1450	<1	0.05	26	960	2	0.61	2	26
G277743		7.22	<10	<1	0.14	<10	3.01	1410	<1	0.02	40	530	<2	1.17	2	26
G277744		6.97	<10	1	0.07	<10	3.17	1275	<1	0.05	45	420	3	0.14	3	28
G277745		7.49	<10	1	0.06	<10	2.88	1300	<1	0.05	45	530	<2	0.09	3	28
G277746		10.50	<10	<1	0.11	<10	2.70	1590	<1	0.02	29	1440	4	3.13	11	24
G277747		9.05	<10	<1	0.12	<10	2.64	1615	<1	0.02	22	980	<2	0.91	<2	20
G277748		8.20	<10	<1	0.12	<10	2.75	1510	<1	0.02	31	820	<2	0.22	7	21
G277749		7.79	20	1	<0.01	<10	3.31	1405	<1	0.02	44	650	<2	0.25	3	31
G277750		0.08	<10	1	0.01	<10	1.58	51	<1	0.01	5	50	<2	0.07	<2	<1



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**CERTIFICATE OF ANALYSIS TR12164075**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G277711		94	<20	0.01	<10	<10	185	<10	94
G277712		84	<20	0.01	<10	<10	218	<10	101
G277713		91	<20	0.01	<10	<10	205	<10	101
G277714		73	<20	0.01	<10	<10	225	<10	109
G277715		118	<20	0.01	<10	<10	182	<10	104
G277716		78	<20	0.02	<10	<10	278	<10	104
G277717		82	<20	0.04	<10	<10	331	<10	120
G277718		60	<20	0.03	<10	<10	328	<10	113
G277719		83	<20	0.02	<10	<10	322	<10	113
G277720		72	<20	0.04	<10	<10	45	<10	110
G277721		114	<20	<0.01	<10	<10	65	<10	21
G277722		100	<20	0.01	<10	<10	320	<10	93
G277723		76	<20	0.02	<10	<10	347	<10	115
G277724		86	<20	0.02	<10	<10	316	<10	112
G277725		85	<20	0.02	<10	<10	309	<10	109
G277726		180	<20	0.26	<10	<10	215	<10	103
G277727		112	<20	0.02	<10	<10	277	<10	101
G277728		66	<20	0.01	<10	<10	242	<10	109
G277729		56	<20	0.01	<10	<10	172	<10	127
G277730		5040	20	<0.01	<10	<10	2	<10	<2
G277731		71	<20	0.01	<10	<10	163	<10	141
G277732		197	<20	<0.01	<10	<10	37	<10	81
G277733		79	<20	<0.01	<10	<10	105	<10	132
G277734		70	<20	<0.01	<10	<10	40	<10	126
G277735		85	<20	<0.01	<10	<10	39	<10	119
G277736		195	<20	<0.01	<10	<10	27	<10	75
G277737		133	<20	<0.01	<10	<10	36	<10	106
G277738		87	<20	<0.01	<10	<10	106	<10	132
G277739		110	<20	<0.01	<10	<10	45	<10	66
G277740		39	<20	0.10	<10	<10	49	40	51
G277741		93	<20	<0.01	<10	<10	99	<10	136
G277742		74	<20	<0.01	<10	<10	49	<10	122
G277743		156	<20	<0.01	<10	<10	31	<10	61
G277744		97	<20	<0.01	<10	<10	34	<10	77
G277745		93	<20	<0.01	<10	<10	32	<10	85
G277746		190	<20	<0.01	<10	<10	34	<10	78
G277747		167	<20	<0.01	<10	<10	29	<10	86
G277748		130	<20	<0.01	<10	<10	36	<10	101
G277749		97	<20	0.06	<10	<10	287	<10	95
G277750		5330	30	<0.01	<10	<10	2	<10	2



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12164075**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G277751		4.21	<0.005		<0.2	4.63	23	<10	10	<0.5	<2	6.9	<0.5	34	69	75
G277752		3.60	<0.005		<0.2	4.67	22	<10	10	<0.5	2	6.07	<0.5	36	75	70
G277753		2.21	<0.005		<0.2	2.17	96	<10	30	<0.5	<2	5.55	<0.5	37	41	62
G277754		2.17	<0.005		0.2	1.80	61	<10	50	<0.5	<2	7.2	<0.5	33	42	57
G277755		2.44	0.496		<0.2	0.57	483	<10	40	<0.5	<2	9.0	<0.5	34	19	27
G277756		0.98	0.228		<0.2	0.06	123	<10	10	<0.5	<2	3.38	<0.5	5	8	1
G277757		2.05	0.110		<0.2	1.19	99	<10	30	0.5	<2	8.2	<0.5	37	63	65
G277758		2.04	0.190		<0.2	1.54	90	<10	20	0.6	<2	7.4	<0.5	31	60	44
G277759		3.81	0.537		0.3	0.60	455	<10	140	0.6	<2	4.50	<0.5	13	10	17
G277760		0.08	0.271		0.3	0.39	486	<10	1030	<0.5	<2	1.08	<0.5	3	43	41
G277761		3.44	0.747		0.4	0.52	588	<10	80	0.6	<2	2.86	<0.5	12	11	29
G277762		3.96	0.309		1.4	0.38	154	<10	220	<0.5	<2	2.21	<0.5	5	7	114



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12164075**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	
Units		%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	
LOR		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	
G277751		7.82	20	1	<0.01	<10	3.47	1405	<1	0.02	44	630	<2	0.11	<2	32
G277752		8.11	20	1	<0.01	<10	3.59	1385	<1	0.02	45	680	<2	0.13	2	34
G277753		7.81	10	1	0.08	<10	2.84	1330	<1	0.03	43	670	<2	0.10	<2	26
G277754		7.72	10	<1	0.04	<10	2.84	1710	<1	0.02	44	650	<2	0.07	3	26
G277755		7.50	<10	<1	0.10	<10	3.23	1450	<1	0.02	45	480	<2	2.16	4	29
G277756		1.81	<10	<1	0.02	<10	0.52	349	<1	0.01	10	70	<2	0.74	<2	5
G277757		6.56	<10	1	0.07	<10	3.10	1680	<1	0.02	52	480	<2	0.42	3	30
G277758		6.85	<10	<1	0.04	<10	2.84	1580	<1	0.01	48	500	<2	0.39	5	29
G277759		3.86	<10	<1	0.15	<10	1.41	1640	1	0.01	38	70	<2	2.70	6	9
G277760		4.04	<10	4	0.09	10	0.03	76	15	0.02	17	150	14	0.24	31	1
G277761		4.32	<10	1	0.07	<10	1.16	1035	<1	0.01	44	70	2	3.54	8	9
G277762		2.53	<10	<1	0.08	<10	1.02	1150	<1	0.01	23	640	<2	1.41	4	4



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12164075**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G277751		89	<20	0.07	<10	<10	289	<10	95
G277752		76	<20	0.07	<10	<10	300	<10	99
G277753		77	<20	0.01	<10	<10	156	<10	106
G277754		95	<20	<0.01	<10	<10	151	<10	88
G277755		182	<20	<0.01	<10	<10	68	<10	62
G277756		39	<20	<0.01	<10	<10	8	<10	5
G277757		98	<20	<0.01	<10	<10	123	<10	76
G277758		87	<20	<0.01	<10	<10	126	<10	76
G277759		153	<20	<0.01	<10	<10	37	<10	22
G277760		78	<20	0.01	10	<10	29	10	24
G277761		123	<20	<0.01	<10	<10	46	<10	16
G277762		136	<20	<0.01	<10	<10	17	<10	40



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**CERTIFICATE TR12180382**

Project: CMV12-01  
 P.O. No.: CMV12-01\_18  
 This report is for 1 Pulp sample submitted to our lab in Terrace, BC, Canada on 3-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
SCR-21	Screen to -100 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager





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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12180382**

Sample Description	Method Analyte Units LOR	Au-SCR24 Au Total ppm	Au-SCR24 Au (+) F ppm	Au-SCR24 Au (-) F ppm	Au-SCR24 Au (+) m mg	Au-SCR24 WT. + Fr g	Au-SCR24 WT. - Fr g	Au-AA26 Au ppm	Au-AA26D Au ppm
G277682		15.40	15.65	15.40	0.397	25.38	694.4	14.80	15.95



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**CERTIFICATE TR12188073**

Project: CMV12-01  
 P.O. No.: CMV12-01\_40  
 This report is for 74 Drill Core samples submitted to our lab in Terrace, BC, Canada on 21-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12188073**

Sample Description	Method	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR															
G278999		4.52	<0.005		<0.2	3.18	3	<10	40	<0.5	<2	5.19	<0.5	33	56	59
G279000		0.07	3.56		3.6	1.37	253	<10	470	<0.5	2	1.18	1.4	8	51	69
G279001		4.46	<0.005		<0.2	3.54	31	<10	10	<0.5	<2	6.60	<0.5	37	68	59
G279002		4.45	0.011		<0.2	1.37	195	<10	20	<0.5	<2	6.07	<0.5	31	22	51
G279003		1.33	0.836		0.3	0.43	604	<10	50	<0.5	<2	6.7	<0.5	30	6	25
G279004		0.91	0.102		<0.2	0.02	157	<10	<10	<0.5	<2	0.26	<0.5	1	7	1
G279005		2.08	0.028		<0.2	1.41	60	<10	30	<0.5	<2	5.69	<0.5	40	26	63
G279006		4.37	<0.005		<0.2	2.89	2	<10	10	<0.5	<2	5.76	<0.5	39	63	124
G279007		4.75	<0.005		<0.2	3.18	3	<10	30	<0.5	<2	5.92	<0.5	35	65	33
G279008		3.92	0.013		<0.2	0.94	55	<10	20	<0.5	<2	6.45	<0.5	33	21	47
G279009		2.57	0.968		0.9	0.23	649	<10	40	<0.5	<2	6.37	<0.5	29	5	45
G279010		0.55	<0.005		0.3	0.03	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G279011		0.93	0.119		<0.2	0.13	1170	<10	30	<0.5	<2	4.62	<0.5	12	5	5
G279012		4.49	0.176		0.2	1.04	553	<10	40	<0.5	<2	6.25	<0.5	36	20	52
G279013		4.35	<0.005		<0.2	1.83	64	<10	30	<0.5	<2	6.88	<0.5	36	37	51
G279014		3.69	0.009		<0.2	2.16	73	<10	60	0.5	<2	4.71	<0.5	34	47	48
G279015		1.98	<0.005		<0.2	4.42	32	<10	60	<0.5	2	6.26	<0.5	37	63	55
G279016		3.38	<0.005		<0.2	2.85	7	<10	30	<0.5	<2	2.89	<0.5	33	60	69
G279017		1.10	0.090		<0.2	1.93	68	<10	170	0.8	<2	8.2	<0.5	32	40	79
G279018		3.60	<0.005		<0.2	2.64	4	<10	20	<0.5	<2	3.00	<0.5	29	73	79
G279019		3.61	<0.005		<0.2	4.40	59	<10	20	<0.5	2	6.04	<0.5	37	51	61
G279020		0.07	7.46	NSS	0.5	1.45	3740	<10	60	<0.5	2	0.77	<0.5	13	66	63
G279021		2.80	1.635		0.3	0.66	1230	<10	50	0.5	<2	6.76	<0.5	43	13	20
G279022		3.32	2.47		0.7	0.43	1140	<10	60	<0.5	<2	8.8	<0.5	35	8	31
G279023		1.49	0.079		<0.2	2.37	113	<10	60	0.6	<2	5.93	<0.5	35	31	60
G279024		1.13	0.393		<0.2	1.49	477	<10	50	0.6	<2	6.37	<0.5	37	9	66
G279025			0.399		<0.2	1.50	458	<10	50	0.6	<2	6.23	<0.5	36	9	65
G279026		3.19	<0.005		<0.2	3.61	17	<10	30	<0.5	<2	3.89	<0.5	35	26	53
G279027		3.26	<0.005		<0.2	3.30	10	<10	110	<0.5	<2	3.61	<0.5	40	32	66
G279028		2.78	<0.005		<0.2	0.76	37	<10	60	0.5	<2	5.89	<0.5	35	21	56
G279029		5.76	<0.005		<0.2	2.76	12	<10	20	<0.5	<2	2.47	<0.5	33	61	68
G279030		0.48	<0.005		0.4	0.03	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G279031		4.78	0.008		0.3	1.40	25	<10	90	0.6	<2	8.1	<0.5	38	34	125
G279032		4.41	0.041		0.2	1.88	53	<10	90	0.8	<2	5.08	<0.5	53	31	73
G279033		3.21	0.008		<0.2	2.04	20	<10	200	0.8	<2	1.52	<0.5	49	48	73
G279034		3.80	<0.005		0.2	3.89	7	<10	450	0.8	<2	5.26	<0.5	44	28	141
G279035		3.55	0.016		<0.2	1.75	29	<10	60	0.8	<2	2.93	<0.5	46	19	69
G279036		2.12	<0.005		<0.2	2.60	7	<10	60	1.0	<2	1.77	<0.5	55	23	73
G279037		3.71	<0.005		<0.2	2.89	4	<10	1970	<0.5	<2	2.81	<0.5	34	21	82
G279038		3.67	0.014		<0.2	1.42	34	<10	80	0.7	<2	1.78	<0.5	42	18	75



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	
G278999		6.65	10	<1	0.01	<10	2.19	1130	<1	0.02	42	1440	<2	0.17	<2	20
G279000		3.08	<10	4	0.13	<10	0.73	415	12	0.06	37	700	279	0.60	24	4
G279001		7.62	20	<1	0.01	<10	2.79	1250	<1	0.02	42	720	<2	0.03	<2	31
G279002		7.45	<10	<1	0.07	<10	2.51	1255	<1	0.03	36	720	2	0.05	<2	26
G279003		7.10	<10	<1	0.17	<10	2.64	1345	<1	0.01	35	750	3	2.73	<2	21
G279004		0.74	<10	<1	0.01	<10	0.09	112	<1	<0.01	2	20	<2	0.09	<2	1
G279005		7.17	<10	<1	0.10	<10	2.70	1280	<1	0.02	42	610	<2	0.17	<2	24
G279006		7.60	10	<1	0.02	<10	2.75	1225	<1	0.03	50	720	<2	0.03	<2	31
G279007		7.26	10	<1	0.02	<10	2.82	1225	<1	0.02	40	630	<2	0.02	<2	30
G279008		6.81	<10	<1	0.07	<10	2.54	1325	<1	0.03	39	950	<2	0.07	<2	26
G279009		6.49	<10	<1	0.13	<10	2.63	1285	<1	0.01	33	350	3	3.17	5	19
G279010		0.07	<10	<1	<0.01	<10	1.62	28	<1	0.01	<1	40	<2	0.06	<2	<1
G279011		2.77	<10	<1	0.07	<10	1.17	710	<1	0.01	15	1100	<2	1.26	2	10
G279012		7.14	<10	<1	0.10	<10	2.56	1330	<1	0.01	36	590	<2	1.14	<2	24
G279013		6.80	10	<1	0.05	<10	2.39	1275	<1	0.01	33	530	<2	0.10	<2	27
G279014		6.22	10	<1	0.02	<10	1.65	992	<1	0.01	36	570	<2	0.10	<2	30
G279015		8.21	20	<1	<0.01	<10	3.26	1375	<1	0.01	39	610	<2	0.03	<2	30
G279016		5.85	10	<1	0.02	<10	2.12	985	<1	0.03	34	650	<2	0.24	<2	13
G279017		6.05	10	<1	0.06	<10	2.50	1285	<1	0.02	32	590	<2	0.36	<2	26
G279018		4.88	10	<1	<0.01	<10	1.78	866	<1	0.04	36	580	<2	0.18	<2	8
G279019		8.45	20	<1	0.01	<10	3.28	1410	<1	0.01	35	680	<2	0.26	2	31
G279020		3.36	10	<1	0.16	10	0.81	363	6	0.06	61	460	6	0.87	31	4
G279021		8.59	<10	<1	0.16	<10	2.53	1455	<1	0.01	45	260	4	6.42	<2	26
G279022		8.07	<10	<1	0.15	<10	3.13	1800	<1	0.01	36	1120	3	5.27	3	26
G279023		8.38	10	<1	0.09	<10	2.70	1360	<1	0.01	36	630	<2	0.25	2	27
G279024		7.88	10	<1	0.16	<10	2.54	1470	<1	0.01	29	690	2	2.56	<2	26
G279025		7.64	10	<1	0.17	<10	2.48	1450	<1	0.01	27	670	<2	2.42	<2	26
G279026		7.33	10	<1	0.04	<10	2.71	1205	<1	0.02	29	700	<2	0.19	<2	18
G279027		8.31	10	<1	0.03	<10	3.11	1255	<1	0.03	29	620	<2	0.12	<2	23
G279028		7.90	<10	<1	0.06	<10	2.29	1715	<1	0.01	28	670	<2	0.32	2	24
G279029		6.04	10	<1	<0.01	<10	2.13	993	<1	0.03	37	680	<2	0.12	<2	10
G279030		0.05	<10	<1	<0.01	<10	1.52	25	<1	0.01	1	30	<2	0.09	<2	<1
G279031		7.12	10	1	0.08	130	1.87	1955	1	0.02	40	3140	13	0.61	<2	25
G279032		8.00	10	2	0.06	110	1.94	1520	21	0.01	44	2650	6	1.08	3	26
G279033		8.39	10	2	0.02	10	1.17	1530	1	0.01	44	850	2	0.86	<2	43
G279034		11.20	10	1	0.08	100	2.66	1040	5	0.04	37	2710	3	0.80	3	24
G279035		10.05	10	2	0.03	10	1.52	2290	<1	0.01	39	920	<2	1.55	3	37
G279036		12.05	10	1	0.02	10	1.50	1690	<1	0.01	40	1000	<2	1.22	2	39
G279037		9.46	10	<1	0.12	<10	2.19	1190	<1	0.08	27	760	<2	0.07	<2	16
G279038		9.53	10	1	0.02	<10	1.10	1955	<1	0.01	33	760	<2	0.71	<2	33



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G278999		67	<20	0.25	<10	<10	198	<10	75
G279000		32	<20	0.08	<10	<10	54	<10	255
G279001		118	<20	0.05	<10	<10	264	<10	89
G279002		99	<20	<0.01	<10	<10	70	<10	91
G279003		247	<20	<0.01	<10	<10	19	<10	53
G279004		8	<20	<0.01	<10	<10	2	<10	3
G279005		138	<20	<0.01	<10	<10	59	<10	83
G279006		100	<20	0.01	<10	<10	206	<10	87
G279007		108	<20	0.02	<10	<10	222	<10	87
G279008		100	<20	<0.01	<10	<10	65	<10	76
G279009		238	<20	<0.01	<10	<10	15	<10	40
G279010		4780	<20	<0.01	<10	<10	<1	<10	<2
G279011		129	<20	<0.01	<10	<10	10	<10	11
G279012		117	<20	<0.01	<10	<10	61	<10	63
G279013		53	<20	<0.01	<10	<10	124	<10	76
G279014		42	<20	<0.01	<10	<10	214	<10	80
G279015		53	<20	0.06	<10	<10	266	<10	87
G279016		27	<20	0.49	<10	<10	181	<10	71
G279017		91	<20	0.06	<10	<10	158	<10	88
G279018		24	<20	0.47	<10	<10	154	<10	65
G279019		73	<20	0.10	<10	<10	291	<10	96
G279020		36	<20	0.10	<10	<10	47	40	48
G279021		248	<20	<0.01	<10	<10	51	<10	41
G279022		348	<20	<0.01	<10	<10	34	<10	42
G279023		77	<20	<0.01	<10	<10	126	<10	89
G279024		142	<20	<0.01	<10	<10	99	<10	87
G279025		140	<20	<0.01	<10	<10	99	<10	83
G279026		50	<20	0.32	<10	<10	219	<10	87
G279027		70	<20	0.53	<10	<10	254	<10	96
G279028		80	<20	<0.01	<10	<10	168	<10	87
G279029		42	<20	0.64	<10	<10	172	<10	75
G279030		5160	<20	<0.01	<10	<10	1	<10	<2
G279031		273	20	<0.01	<10	<10	188	<10	98
G279032		126	20	<0.01	<10	<10	215	<10	76
G279033		43	<20	<0.01	<10	<10	320	<10	172
G279034		464	20	0.01	<10	<10	232	<10	139
G279035		51	<20	<0.01	<10	<10	293	<10	140
G279036		62	<20	<0.01	<10	<10	336	<10	150
G279037		93	<20	0.36	<10	<10	210	<10	108
G279038		30	<20	0.01	<10	<10	259	<10	128



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Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
G279039		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G279040		2.77	<0.005		<0.2	1.98	13	<10	100	0.6	<2	1.16	<0.5	58	16	89
G279041		0.08	0.266		0.4	0.35	432	<10	720	<0.5	<2	0.99	<0.5	3	39	38
G279042		2.44	<0.005		<0.2	4.30	5	<10	1290	0.7	<2	3.02	<0.5	48	13	70
G279043		4.46	<0.005		<0.2	3.26	2	<10	310	0.5	<2	3.07	<0.5	39	39	64
G279044		5.11	<0.005		<0.2	2.65	3	<10	100	<0.5	<2	2.98	<0.5	32	52	78
G279045		4.35	<0.005		<0.2	2.53	8	<10	150	<0.5	<2	3.22	<0.5	33	67	75
G279046		3.32	<0.005		<0.2	1.20	10	<10	100	0.6	<2	3.82	<0.5	46	47	76
G279047		4.82	0.007		<0.2	2.79	21	<10	280	<0.5	<2	4.21	<0.5	35	57	61
G279048		4.79	<0.005		<0.2	2.32	9	<10	240	<0.5	<2	1.93	<0.5	31	62	76
G279049		4.84	<0.005		<0.2	2.46	13	<10	190	<0.5	2	2.80	<0.5	33	175	79
G279050		3.44	<0.005		<0.2	2.66	11	<10	40	<0.5	<2	2.71	<0.5	37	175	76
G279051		0.64	<0.005		1.4	0.03	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	1
G279052		3.59	<0.005		<0.2	3.48	4	<10	70	<0.5	<2	3.22	<0.5	42	153	74
G279053		1.63	<0.005		<0.2	1.45	12	<10	90	0.8	<2	4.89	<0.5	43	95	68
G279054		1.30	<0.005		<0.2	3.70	3	<10	60	<0.5	<2	5.26	<0.5	41	177	72
G279055		0.97	<0.005		<0.2	1.37	6	<10	100	0.7	<2	6.43	<0.5	38	27	39
G279056		2.57	<0.005		<0.2	4.65	6	<10	50	<0.5	<2	5.08	<0.5	43	43	77
G279057		4.32	0.005		<0.2	2.54	26	<10	50	0.7	2	2.86	<0.5	36	41	46
G279058		4.06	0.006		<0.2	2.55	32	<10	130	1.1	<2	3.70	<0.5	43	76	69
G279059		4.28	0.049		0.2	2.28	93	<10	80	0.6	<2	4.74	<0.5	42	23	66
G279060		4.67	<0.005		0.2	4.14	4	<10	140	<0.5	<2	5.02	<0.5	41	48	63
G279061		0.07	0.738		2.2	0.66	24	<10	60	<0.5	<2	1.79	0.6	7	31	6740
G279062		4.60	0.005		<0.2	4.46	<2	<10	150	<0.5	<2	5.14	<0.5	44	47	66
G279063		4.32	0.043		0.2	3.42	57	<10	180	0.5	<2	4.92	<0.5	41	33	50
G279064		3.91	0.062		0.2	3.88	41	<10	50	<0.5	<2	5.68	<0.5	38	43	53
G279065		2.19	<0.005		0.2	3.97	<2	<10	380	<0.5	<2	6.25	<0.5	38	40	49
G279066		1.90	0.018		<0.2	1.35	67	<10	130	<0.5	<2	7.06	<0.5	39	22	38
G279067		4.69	<0.005		0.2	3.91	3	<10	860	<0.5	<2	6.07	<0.5	37	42	52
G279068		3.66	<0.005		<0.2	3.88	19	<10	160	0.6	<2	4.77	<0.5	43	40	64
G279069		4.44	<0.005		<0.2	0.70	215	<10	200	<0.5	<2	1.03	<0.5	9	10	65
G279070		4.34	0.078		<0.2	0.37	83	<10	310	<0.5	<2	0.51	<0.5	7	6	46
G279071		0.56	<0.005		<0.2	0.02	<2	<10	10	<0.5	2	>25.0	<0.5	<1	<1	1
G279072		4.19	1.435		0.2	0.44	603	<10	100	<0.5	<2	3.12	<0.5	14	4	18
G279072		2.24	0.550		<0.2	0.39	302	<10	190	<0.5	<2	2.01	<0.5	7	5	17



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
Units	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
G279039	6.97	10	3	0.01	<10	0.70	1235	<1	0.01	44	1100	<2	1.76	4	46	
G279040	3.70	<10	4	0.08	10	0.03	71	13	0.02	15	130	13	0.20	26	1	
G279041	10.90	10	<1	0.10	<10	2.63	1050	<1	0.07	30	880	<2	0.20	3	29	
G279042	8.65	10	<1	0.02	<10	2.20	1050	<1	0.03	36	710	<2	0.16	4	19	
G279043	5.88	10	1	0.02	<10	2.20	1095	<1	0.04	32	590	<2	0.11	<2	10	
G279044	6.06	10	<1	0.01	<10	1.98	1110	<1	0.04	35	600	<2	0.23	<2	11	
G279045	8.67	<10	1	0.01	<10	1.84	1825	<1	0.02	47	660	<2	0.49	<2	35	
G279046	6.90	10	1	0.03	<10	2.55	1265	<1	0.03	40	620	<2	0.12	<2	16	
G279047	5.12	10	<1	0.01	<10	1.78	851	<1	0.05	37	680	<2	0.26	3	5	
G279048	4.92	10	<1	0.01	<10	2.44	978	<1	0.03	72	500	<2	0.09	<2	10	
G279049	5.16	10	<1	0.01	<10	2.46	876	<1	0.04	74	500	<2	0.12	<2	10	
G279050	0.07	<10	1	<0.01	<10	1.35	32	<1	0.01	3	40	2	0.06	<2	<1	
G279051	7.89	10	<1	0.01	<10	3.10	1040	<1	0.03	81	570	<2	0.11	<2	17	
G279052	8.11	<10	1	0.02	10	1.49	1595	<1	0.02	78	620	<2	0.47	<2	34	
G279053	7.59	10	1	<0.01	<10	3.35	1385	<1	0.02	80	540	<2	0.09	2	24	
G279054	9.20	<10	1	0.01	10	1.45	2770	<1	0.02	33	750	<2	0.22	<2	31	
G279055	9.70	20	1	<0.01	10	3.62	1405	<1	0.02	34	750	<2	0.01	<2	33	
G279056	8.48	10	1	0.04	<10	1.68	1355	<1	0.01	32	780	<2	0.09	<2	33	
G279057	7.65	10	<1	0.05	<10	1.88	1235	<1	0.01	54	690	<2	0.33	<2	35	
G279058	8.87	10	<1	0.11	<10	2.52	1825	<1	0.02	34	720	<2	0.23	3	32	
G279059	9.29	20	1	0.01	<10	3.43	1495	<1	0.04	33	710	<2	0.01	2	35	
G279060	6.40	<10	2	0.26	<10	0.83	878	7	0.05	14	610	21	2.72	24	3	
G279061	9.70	20	1	0.01	<10	3.66	1590	<1	0.03	39	720	<2	0.09	<2	34	
G279062	9.11	10	<1	0.08	<10	3.09	1925	<1	0.02	37	740	<2	0.18	<2	33	
G279063	9.39	10	<1	0.03	<10	3.25	1800	<1	0.02	32	740	<2	0.22	<2	36	
G279064	9.12	20	<1	0.02	10	3.29	1795	<1	0.04	33	790	<2	<0.01	3	32	
G279065	6.76	<10	1	0.06	10	2.29	2910	<1	0.02	34	770	<2	0.26	<2	30	
G279066	9.15	20	<1	0.05	10	3.43	1805	<1	0.06	30	730	<2	<0.01	<2	33	
G279067	8.84	10	1	0.05	<10	3.33	1605	<1	0.03	37	740	<2	0.11	<2	30	
G279068	1.89	<10	<1	0.13	10	0.63	470	<1	<0.01	24	240	6	0.18	<2	4	
G279069	1.73	<10	<1	0.22	10	0.52	702	<1	<0.01	27	140	2	0.49	<2	2	
G279070	0.03	<10	<1	<0.01	<10	1.72	23	<1	<0.01	1	30	<2	0.05	<2	<1	
G279071	3.79	<10	<1	0.26	<10	1.47	1315	<1	<0.01	49	240	7	3.08	2	5	
G279072	2.47	<10	<1	0.21	<10	0.89	792	<1	<0.01	26	120	2	1.80	2	3	

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12188073**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G279039		35	<20	<0.01	<10	<10	392	<10	138
G279040		71	<20	0.01	10	<10	28	10	21
G279041		111	<20	0.01	<10	<10	291	<10	119
G279042		60	<20	0.37	<10	<10	243	<10	93
G279043		35	<20	0.63	<10	<10	192	<10	70
G279044		45	<20	0.60	<10	<10	188	<10	73
G279045		103	<20	<0.01	<10	<10	217	<10	96
G279046		90	<20	0.50	<10	<10	192	<10	90
G279047		38	<20	0.62	<10	<10	147	<10	61
G279048		62	<20	0.38	<10	<10	146	<10	55
G279049		57	<20	0.44	<10	<10	146	<10	58
G279050		5440	<20	<0.01	<10	<10	1	<10	<2
G279051		77	<20	0.41	<10	<10	204	<10	77
G279052		151	<20	<0.01	<10	<10	198	<10	97
G279053		104	<20	0.30	<10	<10	244	<10	80
G279054		149	<20	<0.01	<10	<10	213	<10	128
G279055		164	<20	0.24	<10	<10	327	<10	111
G279056		61	<20	<0.01	<10	<10	252	<10	104
G279057		88	<20	<0.01	<10	<10	241	<10	112
G279058		128	<20	<0.01	<10	<10	166	<10	105
G279059		203	<20	0.37	<10	<10	323	<10	108
G279060		68	<20	0.04	<10	<10	41	<10	103
G279061		305	<20	0.34	<10	<10	346	<10	109
G279062		221	<20	0.02	<10	<10	254	<10	102
G279063		331	<20	0.04	<10	<10	304	<10	107
G279064		345	<20	0.10	<10	<10	362	<10	116
G279065		194	<20	<0.01	<10	<10	200	<10	110
G279066		261	<20	0.26	<10	<10	325	<10	107
G279067		220	<20	0.06	<10	<10	269	<10	103
G279068		24	<20	<0.01	<10	<10	30	<10	45
G279069		19	<20	<0.01	<10	<10	10	<10	24
G279070		4770	<20	<0.01	<10	<10	<1	<10	9
G279071		150	<20	<0.01	<10	<10	16	<10	10
G279072		101	<20	<0.01	<10	<10	12	<10	10





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**CERTIFICATE OF ANALYSIS TR12188073**

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.



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**CERTIFICATE TR12228911**

Project: CMV12-01  
 P.O. No.: CMV12-01\_19  
 This report is for 2 Other samples submitted to our lab in Terrace, BC, Canada on 28-SEP-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
BAG-01	Bulk Master for Storage
FND-02	Find Sample for Addn Analysis
SCR-21	Screen to -100 to 106 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12228911**

Sample Description	Method Analyte Units LOR	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
		Au Total ppm	Au (+) F ppm	Au (-) F ppm	Au (+) m mg	WT. + Fr g	WT. - Fr g	Au ppm	Au ppm
G277763		11.85	296	8.01	3.193	10.78	794.5	8.14	7.87
G277765		8.23	332	3.88	3.550	10.68	794.4	3.70	4.05



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 Account: EIACMV

**CERTIFICATE TR12161414**

Project: CMV12-01  
 P.O. No.: CMV12-01\_20  
 This report is for 69 Drill Core samples submitted to our lab in Terrace, BC, Canada on 24-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12161414**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G277951		2.46	0.043		0.4	0.67	105	<10	10	<0.5	<2	5.96	<0.5	33	13	66
G277865		1.81	0.696		1.1	0.47	288	<10	20	<0.5	<2	5.65	<0.5	34	15	59
G277866		2.69	1.730		0.9	0.44	575	<10	30	<0.5	<2	5.56	<0.5	31	10	57
G277867		3.43	1.510		1.8	0.36	1280	<10	30	<0.5	<2	6.53	<0.5	32	8	46
G277868		2.40	1.095		2.0	0.32	860	<10	30	<0.5	<2	6.24	<0.5	28	11	44
G277869		2.08	1.030		0.7	0.44	875	<10	40	<0.5	<2	5.95	<0.5	34	15	62
G277870		0.37	0.007		<0.2	0.04	9	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	<1
G277871		2.35	1.220		1.3	0.49	833	<10	30	<0.5	<2	5.93	<0.5	33	12	85
G277872		2.44	3.29		0.4	0.35	1085	<10	30	<0.5	<2	6.16	<0.5	31	10	18
G277873		2.15	0.009		<0.2	0.97	141	<10	10	<0.5	<2	6.18	<0.5	36	11	41
G277874		0.88	0.008		0.2	1.30	134	<10	<10	<0.5	<2	6.02	<0.5	38	11	63
G277875		0.92	0.005		<0.2	1.22	118	<10	<10	<0.5	<2	5.39	<0.5	33	11	52
G277876		2.39	0.893		0.2	0.83	288	<10	10	<0.5	<2	6.12	<0.5	35	12	54
G277877		2.50	0.370		0.4	0.57	339	<10	20	<0.5	<2	5.42	<0.5	34	12	66
G277878		1.30	1.985		1.0	0.38	721	<10	10	<0.5	<2	6.00	<0.5	31	9	44
G277879		1.17	1.100		0.7	1.15	1215	<10	10	<0.5	<2	4.77	<0.5	25	16	38
G277880		0.07	3.67		4.0	1.51	283	<10	430	<0.5	<2	1.33	1.4	9	55	74
G277881		1.00	0.795		0.3	1.49	1080	<10	40	<0.5	<2	6.72	<0.5	32	24	49
G277882		4.38	0.014		0.2	0.42	37	<10	300	<0.5	<2	1.35	<0.5	5	9	54
G277814		3.57	0.221		0.2	1.45	172	<10	<10	<0.5	<2	5.57	<0.5	36	16	70
G277815		1.92	0.008		0.2	1.64	102	<10	<10	<0.5	<2	4.99	<0.5	37	14	52
G277816		2.75	0.007		0.2	1.96	135	<10	<10	<0.5	<2	5.73	<0.5	36	11	39
G277817		2.62	0.009		0.2	1.38	10	<10	<10	<0.5	<2	5.61	<0.5	31	11	54
G277818		3.10	0.005		0.3	1.36	9	<10	<10	<0.5	<2	5.60	<0.5	31	12	28
G277819		4.70	0.045		<0.2	1.02	49	<10	<10	<0.5	<2	4.94	<0.5	33	11	52
G277820		0.07	9.81	10.25	0.8	1.52	3960	<10	40	<0.5	<2	0.78	<0.5	14	68	66
G277821		0.98	1.910		0.2	0.09	517	<10	<10	<0.5	<2	3.86	<0.5	13	8	2
G277822		2.44	3.45		2.0	0.31	2140	<10	30	<0.5	<2	6.66	<0.5	35	7	97
G277823		2.23	2.23		1.0	0.31	9270	10	40	<0.5	<2	6.8	<0.5	44	5	18
G277824		2.26	3.65		2.3	0.33	7140	<10	20	<0.5	<2	6.39	<0.5	34	4	78
G277825		<0.02	3.42		2.2	0.50	6840	<10	50	<0.5	<2	5.98	<0.5	33	4	73
G277826		1.98	2.45		0.3	0.37	2600	<10	70	<0.5	<2	6.51	<0.5	43	4	22
G277827		2.18	1.925		0.2	0.42	2200	<10	70	<0.5	<2	7.9	<0.5	42	6	9
G277828		1.67	2.04		<0.2	0.47	9010	<10	80	<0.5	<2	5.97	<0.5	43	8	38
G277829		4.56	0.008		<0.2	2.90	50	<10	40	<0.5	<2	5.41	<0.5	39	35	57
G277830		0.44	0.008		<0.2	0.11	12	<10	10	<0.5	<2	>25.0	<0.5	1	<1	<1
G277831		3.82	<0.005		<0.2	2.94	7	<10	10	<0.5	<2	5.61	<0.5	36	39	45
G277832		3.65	<0.005		<0.2	2.41	5	<10	20	<0.5	<2	7.3	<0.5	30	32	42
G277833		3.00	<0.005		<0.2	3.55	4	<10	10	0.5	<2	4.35	<0.5	36	41	53
G277834		0.99	<0.005		<0.2	2.85	6	<10	20	0.5	<2	5.12	<0.5	73	42	46



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**CERTIFICATE OF ANALYSIS TR12161414**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G277951		7.44	<10	<1	0.14	<10	2.97	1445	2	0.04	38	590	<2	0.29	<2	26
G277865		7.21	<10	<1	0.17	<10	3.05	1485	2	0.04	37	520	<2	1.53	<2	26
G277866		6.46	<10	<1	0.20	<10	2.54	1340	2	0.04	32	480	<2	3.16	2	24
G277867		7.17	<10	<1	0.19	<10	2.96	1665	2	0.03	37	310	2	5.89	4	27
G277868		5.74	<10	<1	0.15	<10	2.71	1415	2	0.03	31	370	2	3.47	<2	24
G277869		8.41	<10	1	0.19	<10	3.26	1410	2	0.04	40	420	2	3.78	<2	29
G277870		0.05	<10	1	0.01	<10	1.69	30	2	0.02	<1	30	2	0.12	<2	<1
G277871		8.09	<10	<1	0.17	<10	3.00	1415	2	0.04	39	420	<2	3.68	2	27
G277872		7.46	<10	<1	0.15	<10	3.11	1570	3	0.03	38	320	2	4.12	<2	26
G277873		8.20	<10	<1	0.12	<10	3.44	1605	2	0.04	42	600	2	0.21	<2	30
G277874		7.96	<10	1	0.08	<10	3.10	1615	3	0.06	43	650	<2	0.24	<2	29
G277875		7.41	<10	<1	0.08	<10	2.77	1435	2	0.05	36	960	<2	0.28	<2	26
G277876		7.32	<10	<1	0.12	<10	2.98	1550	2	0.05	37	510	<2	1.29	<2	27
G277877		7.31	<10	<1	0.16	<10	2.87	1800	3	0.04	37	500	<2	1.87	3	26
G277878		7.34	<10	1	0.12	<10	2.81	1590	2	0.03	34	470	<2	4.59	<2	26
G277879		6.39	<10	<1	0.08	<10	2.15	1155	2	0.03	28	490	<2	2.06	4	21
G277880		3.37	<10	5	0.13	<10	0.80	458	15	0.08	40	770	303	0.66	26	4
G277881		8.30	<10	<1	0.09	<10	2.94	1850	3	0.03	40	440	3	3.11	10	27
G277882		2.38	<10	<1	0.12	10	0.63	2230	3	0.02	20	470	4	0.47	<2	2
G277814		7.91	<10	1	0.08	<10	2.22	1450	2	0.07	50	590	<2	0.17	<2	27
G277815		9.26	<10	<1	0.05	<10	2.27	1465	3	0.07	36	800	<2	0.15	<2	30
G277816		9.76	<10	1	0.05	<10	2.86	1485	2	0.06	32	720	<2	0.09	<2	28
G277817		8.27	<10	<1	0.07	<10	2.81	1485	2	0.06	29	620	<2	0.07	<2	31
G277818		8.76	<10	1	0.04	<10	2.52	1585	2	0.08	28	800	2	0.22	<2	31
G277819		8.42	<10	1	0.06	<10	2.41	1540	2	0.06	33	740	<2	0.30	<2	27
G277820		3.62	10	<1	0.16	10	0.87	392	9	0.07	64	490	6	0.92	35	4
G277821		3.67	<10	<1	0.04	<10	1.33	981	2	0.02	14	210	2	1.58	<2	15
G277822		8.70	<10	<1	0.17	<10	2.82	1580	3	0.03	38	490	<2	6.43	2	26
G277823		8.63	<10	<1	0.17	<10	2.90	1615	2	0.03	47	520	3	7.05	3	26
G277824		9.27	<10	<1	0.14	<10	2.74	1595	2	0.03	24	590	4	7.80	12	27
G277825		8.88	<10	<1	0.22	<10	2.62	1520	2	0.03	24	590	3	7.51	12	26
G277826		9.86	<10	<1	0.20	<10	2.85	1545	<1	0.02	37	450	3	8.02	5	25
G277827		10.30	<10	<1	0.23	<10	3.24	1780	<1	0.02	53	310	3	8.39	4	30
G277828		9.23	<10	<1	0.22	<10	3.14	1530	<1	0.01	43	490	<2	3.33	4	24
G277829		9.53	10	<1	0.08	<10	3.22	1500	<1	0.02	41	830	<2	0.05	<2	31
G277830		0.11	<10	<1	0.01	<10	1.86	33	<1	0.01	<1	50	<2	0.11	<2	<1
G277831		9.11	10	<1	0.05	<10	2.94	1685	<1	0.01	36	830	<2	0.02	<2	32
G277832		8.65	10	<1	0.03	<10	3.06	1460	<1	0.02	27	700	<2	0.03	<2	31
G277833		9.25	10	<1	<0.01	<10	2.85	1275	<1	0.01	35	780	<2	0.16	<2	35
G277834		7.02	10	1	<0.01	<10	1.90	1460	<1	0.01	71	1020	<2	0.77	<2	39



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12161414**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G277951		84	<20	<0.01	<10	<10	37	<10	84
G277865		106	<20	<0.01	<10	<10	31	<10	78
G277866		150	<20	<0.01	<10	<10	28	<10	69
G277867		269	<20	<0.01	<10	<10	23	<10	58
G277868		217	<20	<0.01	<10	<10	24	<10	38
G277869		193	<20	<0.01	<10	<10	38	<10	87
G277870		5340	20	<0.01	<10	10	<1	<10	<2
G277871		170	<20	<0.01	<10	<10	38	<10	80
G277872		228	<20	<0.01	<10	<10	30	<10	44
G277873		87	<20	<0.01	<10	<10	42	<10	86
G277874		84	<20	<0.01	<10	<10	36	<10	72
G277875		80	<20	<0.01	<10	<10	37	<10	68
G277876		96	<20	<0.01	<10	<10	47	<10	78
G277877		90	<20	<0.01	<10	<10	37	<10	93
G277878		155	<20	<0.01	<10	<10	27	<10	69
G277879		96	<20	<0.01	<10	<10	55	<10	53
G277880		37	<20	0.09	<10	<10	58	<10	278
G277881		155	<20	<0.01	<10	<10	109	<10	73
G277882		49	<20	<0.01	<10	<10	15	<10	46
G277814		58	<20	<0.01	<10	<10	42	<10	89
G277815		49	<20	<0.01	<10	<10	64	<10	106
G277816		80	<20	<0.01	<10	<10	57	<10	90
G277817		80	<20	<0.01	<10	<10	39	<10	102
G277818		68	<20	<0.01	<10	<10	69	<10	110
G277819		84	<20	<0.01	<10	<10	52	<10	92
G277820		39	<20	0.10	<10	<10	49	40	50
G277821		145	<20	<0.01	<10	<10	10	<10	27
G277822		328	<20	<0.01	<10	<10	27	<10	51
G277823		401	<20	<0.01	<10	<10	20	<10	44
G277824		373	<20	<0.01	<10	<10	26	<10	44
G277825		366	<20	<0.01	<10	<10	34	<10	44
G277826		370	<20	<0.01	<10	<10	28	<10	50
G277827		435	<20	<0.01	<10	<10	31	<10	42
G277828		291	<20	<0.01	<10	<10	29	<10	62
G277829		121	<20	<0.01	<10	<10	163	<10	111
G277830		5340	20	<0.01	<10	30	1	<10	<2
G277831		116	<20	<0.01	<10	<10	203	<10	106
G277832		127	<20	<0.01	<10	<10	209	<10	104
G277833		95	<20	0.01	<10	<10	286	<10	108
G277834		95	<20	0.01	<10	<10	311	<10	58



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**CERTIFICATE OF ANALYSIS TR12161414**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G277835		3.41	<0.005		<0.2	3.90	3	<10	10	<0.5	<2	4.94	<0.5	33	47	37
G277836		2.68	<0.005		<0.2	5.17	<2	<10	10	0.5	<2	3.41	<0.5	39	53	47
G277837		3.06	<0.005		<0.2	3.73	6	<10	10	0.9	<2	1.36	<0.5	44	53	44
G277838		2.26	<0.005		<0.2	3.62	7	<10	20	0.7	<2	3.79	<0.5	41	41	41
G277839		2.46	0.406		0.3	1.43	625	<10	40	<0.5	<2	8.0	<0.5	38	10	61
G277840		0.07	0.269		0.3	0.41	476	<10	950	<0.5	<2	1.10	<0.5	4	42	40
G277841		0.92	>10.0	26.5	24.0	0.52	314	<10	30	<0.5	<2	6.57	<0.5	17	13	2
G277842		0.96	6.81	6.77	1.0	1.18	3830	<10	20	<0.5	<2	6.9	<0.5	40	5	12
G277843		1.12	0.009		<0.2	3.91	12	<10	10	0.8	<2	2.07	<0.5	27	45	29
G277844		3.87	0.007		<0.2	5.14	5	<10	10	0.5	<2	4.21	<0.5	39	50	71
G277845		2.92	<0.005		<0.2	5.65	7	<10	10	0.5	<2	4.19	<0.5	38	59	70
G277846		2.52	<0.005		<0.2	4.53	8	<10	10	<0.5	<2	7.4	<0.5	35	87	74
G277847		2.48	<0.005		<0.2	3.93	22	<10	10	<0.5	<2	5.94	<0.5	38	67	69
G277848		1.51	<0.005		<0.2	4.51	57	<10	20	0.6	<2	5.36	<0.5	42	37	47
G277849		1.50	0.252		<0.2	2.93	206	<10	40	0.6	<2	5.63	<0.5	35	21	37
G277850		0.37	<0.005		<0.2	0.13	2	<10	<10	<0.5	<2	>25.0	<0.5	1	1	2
G277851		1.32	2.58		1.1	0.50	1505	<10	50	<0.5	<2	6.17	<0.5	39	5	49
G277852		2.51	3.85		1.3	0.34	2010	<10	50	<0.5	<2	5.70	<0.5	39	3	30
G277853		2.38	2.35		0.3	0.30	2680	<10	40	<0.5	<2	5.61	<0.5	43	3	10
G277854		1.44	0.747		<0.2	0.26	1615	<10	40	<0.5	<2	8.1	<0.5	35	9	3
G277855		1.64	0.139		<0.2	0.34	300	<10	50	<0.5	<2	10.3	<0.5	31	13	1
G277856		1.56	0.226		0.5	0.45	202	<10	40	<0.5	<2	11.3	<0.5	25	21	4
G277857		1.19	3.15		1.4	0.91	956	<10	60	<0.5	<2	6.70	<0.5	35	16	60
G277858		1.57	0.139		<0.2	3.05	137	<10	30	0.6	<2	5.64	<0.5	39	33	83
G277859		1.77	2.12		0.9	0.97	1375	<10	60	0.5	<2	6.31	<0.5	34	10	47
G277860		0.07	0.702		2.2	0.72	28	<10	90	<0.5	<2	1.99	0.5	7	32	7400
G277861		1.01	1.635		0.4	1.20	1095	<10	60	<0.5	<2	6.89	<0.5	34	22	64
G277862		1.48	0.086		0.3	2.72	180	<10	10	<0.5	2	5.64	<0.5	34	50	44
G277863		1.62	0.540		0.3	2.27	135	<10	20	<0.5	3	5.60	<0.5	33	41	52





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**CERTIFICATE OF ANALYSIS TR12161414**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
G277835	8.25	20	<1	0.01	<10	3.21	1420	<1	0.01	31	830	<2	0.01	<2	34	
G277836	10.20	20	<1	0.01	<10	3.94	1230	<1	<0.01	42	860	<2	0.10	2	36	
G277837	8.52	10	<1	<0.01	<10	1.50	681	<1	<0.01	44	990	<2	1.65	<2	43	
G277838	9.70	10	<1	0.03	<10	2.52	1440	<1	0.01	42	900	<2	0.50	2	38	
G277839	8.14	<10	<1	0.11	<10	3.32	1680	<1	0.01	38	440	<2	2.06	3	28	
G277840	4.13	<10	4	0.10	10	0.04	79	14	0.03	15	150	14	0.25	30	1	
G277841	5.29	<10	<1	0.05	<10	1.82	1225	<1	0.01	16	1310	<2	1.77	<2	16	
G277842	10.85	<10	<1	0.06	<10	3.03	1470	<1	0.01	43	500	2	6.78	<2	26	
G277843	9.26	10	<1	0.01	<10	1.86	589	<1	<0.01	27	910	<2	1.12	<2	36	
G277844	10.60	20	<1	<0.01	<10	3.38	1170	<1	<0.01	43	760	<2	0.12	<2	35	
G277845	10.65	20	<1	<0.01	<10	3.67	1335	<1	<0.01	39	800	<2	0.06	<2	37	
G277846	8.32	10	<1	0.01	<10	3.91	1640	<1	0.01	43	460	<2	0.18	<2	33	
G277847	9.53	20	<1	0.01	<10	3.55	1515	<1	0.02	36	790	<2	0.26	2	35	
G277848	11.10	20	<1	0.05	<10	3.27	1605	<1	0.01	27	1160	<2	0.24	<2	34	
G277849	9.49	10	<1	0.14	<10	2.77	1565	<1	0.01	22	950	<2	0.75	<2	27	
G277850	0.23	<10	<1	<0.01	<10	1.47	43	<1	0.01	<1	50	<2	0.10	2	1	
G277851	9.76	<10	<1	0.19	<10	2.37	1675	<1	0.01	23	910	4	8.58	2	23	
G277852	10.20	<10	<1	0.20	<10	2.54	1645	<1	0.01	25	790	<2	>10.0	6	24	
G277853	15.7	<10	<1	0.17	<10	2.45	1335	<1	0.01	30	520	3	>10.0	2	24	
G277854	10.00	<10	<1	0.12	<10	3.44	1705	<1	0.01	55	1000	<2	9.06	4	28	
G277855	5.05	<10	<1	0.16	<10	4.44	2220	<1	0.01	42	440	<2	1.09	<2	36	
G277856	5.51	<10	<1	0.13	<10	4.98	2460	<1	0.01	21	380	<2	0.68	<2	44	
G277857	8.19	<10	<1	0.21	<10	2.93	1585	<1	0.01	25	680	<2	5.13	3	28	
G277858	9.37	10	<1	0.14	<10	3.42	1405	<1	0.01	34	780	<2	0.41	<2	30	
G277859	8.57	<10	<1	0.25	<10	2.85	1525	<1	0.01	29	420	2	6.11	3	27	
G277860	6.96	<10	2	0.30	<10	0.92	950	8	0.05	15	640	23	2.93	27	3	
G277861	7.78	<10	<1	0.24	<10	3.27	1475	<1	0.01	33	490	<2	4.45	4	29	
G277862	7.62	10	<1	0.06	<10	3.55	1325	<1	0.01	36	640	<2	0.75	<2	30	
G277863	7.72	10	<1	0.12	<10	3.34	1515	<1	0.02	38	650	<2	0.54	<2	30	



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**CERTIFICATE OF ANALYSIS TR12161414**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G277835		117	<20	0.02	<10	<10	294	<10	117
G277836		86	<20	0.02	<10	<10	314	<10	126
G277837		35	<20	0.01	<10	<10	350	<10	154
G277838		94	<20	<0.01	<10	<10	255	<10	125
G277839		342	<20	<0.01	<10	<10	31	<10	90
G277840		84	<20	0.01	10	<10	29	10	23
G277841		267	<20	<0.01	<10	<10	17	<10	30
G277842		348	<20	<0.01	<10	<10	40	<10	44
G277843		35	<20	0.01	<10	<10	319	<10	58
G277844		94	<20	0.04	<10	<10	303	<10	102
G277845		91	<20	0.03	<10	<10	341	<10	117
G277846		145	<20	0.01	<10	<10	251	<10	88
G277847		134	<20	0.01	<10	<10	306	<10	121
G277848		124	<20	0.01	<10	<10	325	<10	145
G277849		125	<20	<0.01	<10	<10	167	<10	132
G277850		5680	20	<0.01	<10	30	6	<10	2
G277851		208	<20	<0.01	<10	<10	37	<10	113
G277852		302	<20	<0.01	<10	<10	27	<10	56
G277853		318	<20	<0.01	<10	<10	25	<10	22
G277854		400	<20	<0.01	<10	<10	22	<10	28
G277855		491	<20	<0.01	<10	<10	25	<10	30
G277856		530	<20	<0.01	<10	<10	44	<10	33
G277857		238	<20	<0.01	<10	<10	62	<10	71
G277858		92	<20	<0.01	<10	<10	121	<10	94
G277859		202	<20	<0.01	<10	<10	46	<10	64
G277860		70	<20	0.04	<10	<10	43	<10	109
G277861		201	<20	<0.01	<10	<10	53	<10	64
G277862		99	<20	<0.01	<10	<10	124	<10	92
G277863		95	<20	<0.01	<10	<10	98	<10	87



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**CERTIFICATE TR12181718**

Project: CMV12-01  
 P.O. No.: CMV12-01\_20  
 This report is for 1 Other sample submitted to our lab in Terrace, BC, Canada on 5-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
BAG-01	Bulk Master for Storage
SCR-21	Screen to -100 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12181718**

Sample Description	Method Analyte Units LOR	Au-SCR24 Au Total ppm	Au-SCR24 Au (+) F ppm	Au-SCR24 Au (-) F ppm	Au-SCR24 Au (+) m mg	Au-SCR24 WT. + Fr g	Au-SCR24 WT. - Fr g	Au-AA26 Au ppm	Au-AA26D Au ppm
G277841		25.8	1315	17.50	5.815	4.43	690.4	17.35	17.65



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 Finalized Date: 10-AUG-2012  
 Account: EIACMV

**CERTIFICATE TR12161419**

Project: CMV12-01  
 P.O. No.: CMV12-01\_21  
 This report is for 1 Crushed Core sample submitted to our lab in Terrace, BC, Canada on 24-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
SCR-21	Screen to -100 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12161419**

Sample Description	Method Analyte Units LOR	Au-SCR24 Au Total ppm	Au-SCR24 Au (+) F ppm	Au-SCR24 Au (-) F ppm	Au-SCR24 Au (+) m mg	Au-SCR24 WT. + Fr g	Au-SCR24 WT. - Fr g	Au-AA26 Au ppm	Au-AA26D Au ppm
G277897		9.91	298	5.48	2.470	8.30	538.5	5.35	5.61



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**CERTIFICATE TR12166589**

Project: CMV12-01  
 P.O. No.: CMV12-01\_21  
 This report is for 64 Drill Core samples submitted to our lab in Terrace, BC, Canada on 24-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12166589**

Sample Description	Method	WEI-21	Au-AA23	Au-GRA21	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Recvd Wt.	Au	Au	Au Check	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr
	Units	kg	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR															
G277883		2.82	0.293			0.2	1.93	810	<10	40	<0.5	<2	4.55	<0.5	37	19
G277884		3.41	<0.005			<0.2	4.85	14	<10	<10	<0.5	<2	5.30	<0.5	34	44
G277885		4.41	<0.005			<0.2	4.56	5	<10	<10	<0.5	<2	5.12	<0.5	35	46
G277886		3.86	<0.005			<0.2	4.87	8	<10	20	<0.5	<2	4.61	<0.5	41	59
G277887		2.98	0.909			0.7	1.18	805	<10	50	0.5	<2	6.62	<0.5	35	14
G277888		2.84	0.785			0.8	0.27	654	<10	50	<0.5	<2	4.77	<0.5	21	15
G277889		2.28	2.21			0.7	0.64	691	<10	70	<0.5	<2	6.14	<0.5	37	13
G277890		0.38	<0.005			<0.2	0.03	<2	<10	10	<0.5	<2	>25.0	<0.5	1	1
G277891		3.21	0.067			<0.2	1.43	37	<10	20	<0.5	<2	5.64	<0.5	34	24
G277892		3.88	<0.005			<0.2	2.21	29	<10	30	<0.5	<2	6.12	<0.5	34	89
G277893		4.55	0.380			<0.2	1.04	82	<10	40	<0.5	<2	6.03	<0.5	33	22
G277894		2.81	4.53			0.6	0.84	413	<10	40	<0.5	<2	7.3	<0.5	30	5
G277895		3.29	5.70	4.59		1.0	0.42	6880	<10	60	<0.5	<2	8.9	<0.5	28	6
G277896		0.35	<0.005			0.2	0.03	7	<10	10	<0.5	<2	>25.0	<0.5	<1	<1
G277897		1.01	8.12	10.85	8.75	0.9	0.26	5220	<10	40	<0.5	<2	4.95	<0.5	16	13
G277898		3.48	1.840			1.0	0.39	6210	<10	70	<0.5	<2	8.3	<0.5	35	4
G277899		1.65	5.54	5.18		0.9	0.86	536	<10	40	<0.5	<2	5.52	<0.5	38	5
G277900		0.07	9.75	10.05		0.7	1.57	4190	<10	60	0.5	<2	0.86	<0.5	15	70
G277901		2.49	0.953			0.6	0.50	1425	<10	50	<0.5	<2	5.88	<0.5	31	9
G277902		3.07	0.030			<0.2	1.64	347	<10	20	<0.5	<2	6.29	<0.5	35	25
G277903		4.31	<0.005			0.2	2.73	44	<10	10	<0.5	<2	5.93	<0.5	35	36
G277904		1.39	0.082			0.2	0.99	95	<10	40	<0.5	<2	5.08	<0.5	33	13
G277905		2.00	<0.005			0.2	1.00	115	<10	10	<0.5	<2	5.80	<0.5	35	11
G277906		3.94	0.047			0.3	1.03	611	<10	20	<0.5	<2	6.46	<0.5	34	8
G277907		3.86	0.162			<0.2	1.21	2620	<10	20	<0.5	<2	6.00	<0.5	37	10
G277908		3.82	0.493			0.3	1.13	123	<10	20	<0.5	<2	6.02	<0.5	40	13
G277909		4.59	0.025			0.2	0.85	106	<10	30	<0.5	<2	6.25	<0.5	37	12
G277910		0.46	<0.005			<0.2	0.05	2	<10	10	<0.5	<2	>25.0	<0.5	1	<1
G277911		6.31	0.823			0.4	0.50	374	<10	60	<0.5	<2	6.27	<0.5	34	10
G277912		5.06	0.057			<0.2	1.60	51	<10	30	<0.5	<2	5.83	<0.5	40	21
G277913		3.96	0.007			<0.2	4.17	9	<10	10	<0.5	<2	4.59	<0.5	39	47
G277914		4.31	0.152			<0.2	2.61	201	<10	60	<0.5	<2	5.77	<0.5	37	29
G277915		4.26	0.035			0.3	2.14	97	<10	40	<0.5	<2	6.40	<0.5	37	22
G277916		4.03	0.118			0.3	2.97	134	<10	60	0.5	<2	5.78	<0.5	38	30
G277917		4.57	0.013			<0.2	2.65	96	<10	60	<0.5	<2	6.08	<0.5	39	26
G277918		2.35	0.592			0.2	1.68	348	10	70	<0.5	<2	5.60	<0.5	37	13
G277919		0.86	<0.005			<0.2	0.16	37	<10	20	<0.5	<2	1.25	<0.5	6	9
G277920		0.08	0.265			0.3	0.40	469	<10	1320	<0.5	<2	1.07	<0.5	3	43
G277921		3.16	0.359			<0.2	1.09	201	10	70	<0.5	<2	4.86	<0.5	32	9
G277922		3.38	2.77			0.5	0.65	963	10	80	<0.5	<2	4.73	<0.5	31	8





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**CERTIFICATE OF ANALYSIS TR12166589**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm
		1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
G277883		57	8.98	10	<1	0.14	<10	1.70	1550	<1	0.03	31	780	2	0.65	5
G277884		55	9.45	20	<1	0.01	<10	3.16	1535	<1	0.05	30	760	3	0.12	2
G277885		56	9.31	20	<1	0.01	<10	3.21	1480	<1	0.06	30	800	2	0.15	7
G277886		78	10.05	20	<1	0.01	<10	3.78	1555	<1	0.03	40	840	4	0.27	<2
G277887		42	8.27	<10	<1	0.21	<10	2.87	1505	<1	0.03	34	660	<2	4.13	<2
G277888		17	4.55	<10	<1	0.16	<10	2.00	881	<1	0.02	39	140	<2	2.95	3
G277889		65	7.99	<10	<1	0.26	<10	3.07	1480	<1	0.04	40	550	<2	3.46	<2
G277890		1	0.05	<10	<1	0.01	<10	1.97	31	<1	0.03	<1	40	<2	0.09	<2
G277891		57	8.54	<10	<1	0.14	<10	3.03	1460	<1	0.08	35	730	2	0.26	<2
G277892		75	6.85	10	<1	0.05	<10	3.88	1300	<1	0.07	62	400	<2	0.18	<2
G277893		57	7.59	<10	<1	0.16	<10	3.23	1365	<1	0.07	40	470	<2	0.33	<2
G277894		45	7.45	<10	<1	0.15	<10	2.58	1350	<1	0.03	27	450	2	1.95	<2
G277895		30	8.12	<10	<1	0.21	<10	2.14	1440	<1	0.03	21	520	2	7.08	3
G277896		1	0.06	<10	<1	0.01	<10	1.65	32	<1	0.03	<1	30	<2	0.09	<2
G277897		31	6.29	<10	<1	0.12	<10	1.27	895	<1	0.02	17	140	<2	4.88	3
G277898		40	9.69	<10	<1	0.21	<10	3.01	1785	<1	0.03	24	540	2	7.75	6
G277899		55	10.20	<10	<1	0.19	<10	2.83	1715	<1	0.06	25	750	<2	2.05	2
G277900		68	3.75	<10	<1	0.18	10	0.90	404	6	0.08	66	500	7	0.94	35
G277901		40	7.94	<10	<1	0.17	<10	3.08	1675	<1	0.03	31	590	3	1.54	<2
G277902		69	6.94	<10	<1	0.08	<10	3.08	1280	<1	0.07	50	450	2	0.18	<2
G277903		51	9.19	10	<1	0.03	<10	3.20	1600	<1	0.08	37	740	<2	0.16	<2
G277904		45	8.34	<10	<1	0.14	<10	2.60	1605	<1	0.05	33	720	2	0.28	<2
G277905		53	8.81	<10	<1	0.06	<10	2.90	1535	<1	0.10	35	770	<2	0.22	<2
G277906		54	8.14	<10	<1	0.13	<10	2.89	1580	<1	0.08	34	630	<2	0.28	<2
G277907		74	8.23	<10	<1	0.15	<10	3.17	1510	<1	0.07	33	460	2	0.53	<2
G277908		65	8.49	<10	<1	0.07	<10	3.30	1615	<1	0.14	37	490	<2	0.30	<2
G277909		66	8.09	<10	<1	0.13	<10	3.24	1495	<1	0.10	33	500	<2	0.24	<2
G277910		1	0.07	<10	<1	<0.01	<10	1.48	28	<1	0.03	<1	40	<2	0.07	<2
G277911		54	7.57	<10	<1	0.22	<10	3.03	1405	<1	0.04	29	470	<2	1.70	<2
G277912		47	6.93	<10	<1	0.09	<10	2.54	1390	<1	0.07	32	720	<2	0.40	<2
G277913		42	9.58	10	<1	0.02	<10	3.48	1495	<1	0.02	39	640	2	0.11	<2
G277914		54	8.02	10	<1	0.13	<10	3.09	1470	<1	0.04	35	640	3	0.31	<2
G277915		324	7.86	10	<1	0.12	<10	3.10	1325	<1	0.04	34	490	<2	0.27	2
G277916		65	9.23	10	<1	0.13	<10	3.15	1440	<1	0.03	35	490	2	0.55	<2
G277917		71	8.30	10	<1	0.13	<10	3.20	1325	<1	0.03	36	530	2	0.20	<2
G277918		58	9.33	<10	<1	0.18	<10	2.91	1745	<1	0.03	30	650	<2	1.54	<2
G277919		3	1.96	<10	<1	0.04	<10	0.49	301	<1	0.02	7	150	<2	0.03	<2
G277920		40	4.07	<10	4	0.10	10	0.03	75	13	0.03	16	150	14	0.25	29
G277921		35	8.58	<10	<1	0.17	<10	2.42	1495	<1	0.04	33	660	<2	0.59	<2
G277922		28	7.08	<10	<1	0.22	<10	2.38	1320	<1	0.03	29	270	4	2.71	<2



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12166589**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Sc	Sr	Th	Ti	Ti	U	V	W	Zn
Units		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
LOR		1	1	20	0.01	10	10	1	10	2
G277883		28	66	<20	0.02	<10	<10	117	<10	102
G277884		32	110	<20	0.13	<10	<10	342	<10	116
G277885		30	104	<20	0.50	<10	<10	340	<10	112
G277886		29	88	<20	0.41	<10	<10	346	<10	123
G277887		25	188	<20	0.01	<10	<10	55	<10	69
G277888		14	208	<20	<0.01	<10	<10	13	<10	22
G277889		25	193	<20	<0.01	<10	<10	42	<10	71
G277890		<1	4870	20	<0.01	<10	10	1	<10	12
G277891		29	54	<20	<0.01	<10	<10	81	<10	119
G277892		30	55	<20	<0.01	<10	<10	82	<10	86
G277893		27	83	<20	<0.01	<10	<10	41	<10	83
G277894		21	157	<20	<0.01	<10	<10	29	<10	74
G277895		18	249	<20	<0.01	<10	<10	32	<10	34
G277896		<1	6040	30	<0.01	<10	10	1	<10	5
G277897		11	128	<20	<0.01	<10	<10	21	<10	29
G277898		25	319	<20	<0.01	<10	<10	33	<10	44
G277899		28	125	<20	<0.01	<10	<10	59	<10	113
G277900		5	41	<20	0.11	<10	<10	52	40	56
G277901		25	190	<20	<0.01	<10	<10	34	<10	112
G277902		28	90	<20	<0.01	<10	<10	38	<10	80
G277903		31	49	<20	0.01	<10	<10	160	<10	127
G277904		26	80	<20	<0.01	<10	<10	47	<10	95
G277905		29	49	<20	0.03	<10	<10	59	<10	97
G277906		24	82	<20	<0.01	<10	<10	41	<10	86
G277907		24	102	<20	<0.01	<10	<10	42	<10	86
G277908		30	81	<20	<0.01	<10	<10	52	<10	89
G277909		27	94	<20	<0.01	<10	<10	41	<10	96
G277910		<1	5270	20	<0.01	<10	10	1	<10	3
G277911		23	151	<20	<0.01	<10	<10	36	<10	98
G277912		29	102	<20	<0.01	<10	<10	84	<10	86
G277913		33	107	<20	<0.01	<10	<10	249	<10	121
G277914		29	119	<20	<0.01	<10	<10	141	<10	88
G277915		27	129	<20	<0.01	<10	<10	113	<10	73
G277916		30	135	<20	<0.01	<10	<10	167	<10	90
G277917		32	134	<20	<0.01	<10	<10	134	<10	96
G277918		29	117	<20	<0.01	<10	<10	75	<10	112
G277919		5	26	<20	<0.01	<10	<10	12	<10	20
G277920		1	79	<20	0.01	10	<10	29	10	36
G277921		24	100	<20	<0.01	<10	<10	66	<10	88
G277922		22	156	<20	<0.01	<10	<10	33	<10	57



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**CERTIFICATE OF ANALYSIS TR12166589**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	Au-GRA21 Au Check ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm
		0.02	0.005	0.05	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1
G277923		1.07	0.531			0.2	1.28	448	<10	60	<0.5	<2	6.24	<0.5	38	13
G277924		2.30	<0.005			<0.2	3.92	24	<10	20	<0.5	<2	5.56	<0.5	40	55
G277925		<0.02	<0.005			<0.2	3.99	23	<10	20	<0.5	<2	5.65	<0.5	40	55
G277926		3.66	2.64			0.4	2.20	1510	<10	50	<0.5	<2	7.13	<0.5	34	19
G277927		2.84	2.05			<0.2	0.39	6470	<10	70	<0.5	<2	5.77	<0.5	32	6
G277928		4.49	0.413			0.2	3.04	547	<10	50	<0.5	<2	5.82	<0.5	38	32
G277929		3.96	<0.005			<0.2	3.66	36	<10	20	<0.5	<2	5.12	<0.5	36	40
G277930		0.38	<0.005			0.2	0.04	2	<10	<10	<0.5	<2	>25.0	<0.5	1	<1
G277931		4.70	<0.005			<0.2	4.47	5	<10	10	0.5	<2	5.51	<0.5	36	64
G277932		3.89	<0.005			<0.2	5.22	66	<10	10	<0.5	<2	6.65	<0.5	38	78
G277933		4.74	0.196			<0.2	1.50	433	<10	40	<0.5	<2	6.55	<0.5	34	15
G277934		3.83	0.061			0.2	3.31	170	<10	30	<0.5	<2	7.4	<0.5	34	44
G277935		4.23	0.470			0.3	3.92	88	<10	50	<0.5	<2	4.80	<0.5	39	64
G277936		4.31	0.388			0.3	2.37	334	<10	80	0.7	<2	6.09	<0.5	34	26
G277937		3.56	0.011			<0.2	0.90	26	<10	240	<0.5	<2	1.94	<0.5	13	19
G277938		3.97	0.007			<0.2	0.53	43	<10	250	<0.5	<2	0.75	<0.5	7	14
G277939		3.36	0.005			<0.2	0.71	19	<10	530	<0.5	<2	0.52	<0.5	5	8
G277940		0.08	0.715			2.5	0.76	30	<10	110	<0.5	9	1.98	0.6	8	33
G277941		3.82	0.010			<0.2	0.57	6	<10	560	<0.5	<2	0.37	<0.5	6	8
G277942		3.40	0.013			<0.2	0.63	4	<10	540	<0.5	<2	0.48	<0.5	5	9
G277943		3.95	0.007			<0.2	0.67	3	<10	480	<0.5	<2	0.38	<0.5	6	11
G277944		3.95	0.005			<0.2	1.14	5	<10	620	<0.5	<2	0.26	<0.5	7	15
G277945		4.53	0.011			0.2	0.98	5	<10	600	<0.5	<2	0.35	<0.5	4	11
G277946		3.64	0.016			<0.2	1.04	9	<10	960	<0.5	<2	0.22	<0.5	7	16



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**CERTIFICATE OF ANALYSIS TR12166589**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb
	Units	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm
	LOR	1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2
G277923		60	7.92	<10	<1	0.19	<10	3.26	1605	<1	0.03	35	420	2	2.33	<2
G277924		71	9.02	10	<1	0.03	<10	3.90	1575	<1	0.05	40	520	2	0.14	<2
G277925		72	9.15	10	<1	0.03	<10	3.98	1605	<1	0.05	38	540	2	0.14	<2
G277926		33	10.95	10	<1	0.16	<10	2.50	1685	<1	0.03	28	1050	4	5.39	<2
G277927		7	9.00	<10	<1	0.21	<10	2.29	1345	<1	0.03	24	650	3	8.01	<2
G277928		48	10.60	10	<1	0.09	<10	2.50	1655	<1	0.03	29	1140	<2	1.49	<2
G277929		80	10.85	20	<1	0.03	<10	2.55	1525	<1	0.04	33	1100	3	0.06	<2
G277930		5	0.08	<10	<1	<0.01	<10	1.82	39	<1	0.03	<1	40	<2	0.09	<2
G277931		101	8.54	20	1	0.01	<10	3.37	1605	<1	0.02	42	760	2	0.25	<2
G277932		72	8.68	20	<1	<0.01	<10	3.91	1460	<1	0.04	45	710	3	0.21	<2
G277933		59	7.71	<10	<1	0.17	<10	3.12	1390	<1	0.05	40	920	2	0.98	<2
G277934		54	7.92	10	<1	0.10	<10	3.37	1505	<1	0.04	37	720	2	1.00	<2
G277935		68	8.15	10	<1	0.05	<10	3.09	1720	<1	0.03	40	770	2	0.71	<2
G277936		56	9.16	10	<1	0.10	<10	2.11	2600	<1	0.02	30	680	3	1.69	2
G277937		67	3.03	<10	<1	0.11	<10	0.77	1715	<1	0.02	29	180	5	0.30	<2
G277938		50	1.74	<10	<1	0.09	10	0.39	760	<1	0.01	29	300	5	0.27	<2
G277939		34	1.97	<10	<1	0.22	10	0.46	949	<1	0.01	19	210	8	0.24	<2
G277940		7400	7.04	<10	2	0.31	<10	0.90	936	7	0.07	16	660	24	2.92	26
G277941		43	1.56	<10	<1	0.20	10	0.24	929	<1	0.01	17	150	7	0.31	<2
G277942		33	1.48	<10	<1	0.21	10	0.26	283	<1	0.01	17	110	6	0.28	<2
G277943		79	1.59	<10	<1	0.18	10	0.30	236	<1	0.01	22	120	7	0.29	<2
G277944		40	2.06	<10	<1	0.23	10	0.59	310	<1	0.01	31	140	9	0.26	<2
G277945		51	1.86	<10	<1	0.17	10	0.66	347	<1	0.01	23	120	11	0.31	<2
G277946		88	1.90	<10	<1	0.22	10	0.68	281	<1	0.01	39	120	9	0.39	<2



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**CERTIFICATE OF ANALYSIS TR12166589**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Sc ppm 1	Sr ppm 1	Th ppm 20	Ti % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G277923		27	225	<20	<0.01	<10	<10	53	<10	96
G277924		34	123	<20	0.01	<10	<10	278	<10	108
G277925		35	127	<20	0.01	<10	<10	282	<10	118
G277926		27	222	<20	0.01	<10	<10	155	<10	105
G277927		21	277	<20	<0.01	<10	<10	28	<10	32
G277928		31	158	<20	0.01	<10	<10	261	<10	128
G277929		32	114	<20	0.11	<10	<10	344	<10	157
G277930		<1	5270	20	<0.01	<10	10	2	<10	6
G277931		29	150	<20	0.11	<10	<10	288	<10	114
G277932		34	111	<20	0.05	<10	<10	319	<10	114
G277933		24	122	<20	<0.01	<10	<10	48	<10	78
G277934		27	102	<20	0.02	<10	<10	198	<10	82
G277935		27	85	<20	0.18	<10	<10	248	<10	109
G277936		30	101	<20	0.01	<10	<10	218	<10	100
G277937		9	47	<20	<0.01	<10	<10	69	<10	71
G277938		3	51	<20	<0.01	<10	<10	22	<10	65
G277939		2	48	<20	<0.01	<10	<10	15	<10	56
G277940		4	70	<20	0.04	<10	<10	44	<10	106
G277941		2	36	<20	<0.01	<10	<10	13	<10	62
G277942		2	43	<20	<0.01	<10	<10	15	<10	53
G277943		2	44	<20	<0.01	<10	<10	20	<10	58
G277944		2	52	<20	0.01	<10	<10	30	<10	72
G277945		2	71	<20	<0.01	<10	<10	23	<10	61
G277946		2	37	<20	0.01	<10	<10	33	<10	82



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**CERTIFICATE TR12161415**

Project: CMV12-01  
 P.O. No.: CMV12-01\_22  
 This report is for 46 Drill Core samples submitted to our lab in Terrace, BC, Canada on 24-JUL-2012.  
 The following have access to data associated with this certificate:

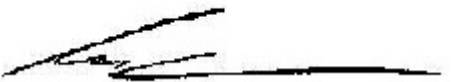
DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12161415**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G277952		3.55	<0.005		0.2	3.71	63	<10	80	<0.5	<2	5.48	<0.5	37	113	79
G277953		4.24	<0.005		<0.2	3.76	65	<10	20	<0.5	<2	5.30	<0.5	36	36	61
G277954		4.28	3.64		1.4	0.82	863	<10	60	<0.5	<2	6.25	<0.5	35	12	54
G277955		4.39	1.270		0.5	0.89	2080	<10	70	<0.5	<2	6.38	<0.5	37	33	51
G277956		1.25	0.449		0.2	0.17	571	<10	30	<0.5	<2	2.98	<0.5	6	16	3
G277957		4.08	0.668		0.5	0.57	520	<10	70	<0.5	<2	6.9	<0.5	35	16	31
G277958		2.07	1.530		1.1	0.51	971	<10	70	<0.5	<2	6.30	<0.5	40	15	41
G277959		2.17	3.76		9.4	0.48	1030	<10	60	<0.5	<2	5.74	5.2	32	6	231
G277960		0.08	3.53		3.8	1.51	263	<10	420	<0.5	<2	1.30	1.4	9	51	71
G277961		4.65	1.430		0.3	0.48	1720	<10	80	<0.5	<2	6.17	<0.5	32	7	16
G277962		2.65	2.62		0.2	0.46	3850	<10	60	<0.5	<2	6.09	<0.5	30	8	15
G277963		3.77	1.165		0.6	0.52	499	<10	60	<0.5	<2	6.8	<0.5	34	19	48
G277964		4.11	3.45		0.9	0.46	3960	<10	70	<0.5	<2	7.2	<0.5	33	5	18
G277965		1.72	1.820		0.4	0.41	2120	<10	50	<0.5	<2	5.62	<0.5	25	6	14
G277966		3.92	0.861		0.6	0.52	1185	<10	70	<0.5	<2	7.6	<0.5	30	6	24
G277967		2.28	2.49		0.9	0.47	1465	<10	50	<0.5	<2	5.99	<0.5	35	7	47
G277968		2.24	0.013		<0.2	1.39	30	<10	10	<0.5	<2	5.40	<0.5	35	12	64
G277969		1.49	0.192		<0.2	0.69	730	<10	60	<0.5	<2	4.87	<0.5	27	10	18
G277970		0.44	0.006		<0.2	0.05	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	1	<1
G277971		3.91	2.29		1.2	1.08	1015	<10	40	<0.5	<2	7.0	<0.5	32	12	50
G277972		3.85	0.697		0.3	0.60	1095	<10	50	<0.5	<2	4.80	<0.5	31	9	47
G277973		2.75	0.739		0.4	0.60	487	<10	60	<0.5	<2	6.17	<0.5	32	17	49
G277974		2.05	0.018		<0.2	2.93	70	<10	110	0.6	<2	4.76	<0.5	34	25	61
G277975		1.76	0.019		<0.2	2.94	74	<10	100	0.6	<2	4.65	<0.5	34	26	62
G277976		4.50	1.625		<0.2	0.56	1070	<10	50	<0.5	<2	7.3	<0.5	30	10	12
G277977		4.13	1.430		1.0	0.44	1015	<10	60	<0.5	<2	8.5	<0.5	31	7	31
G277978		3.36	5.18	5.15	0.9	0.27	4210	<10	60	<0.5	<2	3.27	<0.5	21	13	10
G277979		4.50	0.794		0.4	0.34	3450	<10	60	<0.5	<2	6.36	<0.5	29	8	20
G277980		0.08	9.79	9.94	0.7	1.52	3860	<10	60	<0.5	<2	0.79	<0.5	14	65	63
G277981		4.21	1.120		0.6	0.53	482	<10	50	<0.5	<2	6.14	<0.5	34	10	61
G277982		3.80	0.189		<0.2	0.62	197	<10	30	<0.5	<2	5.82	<0.5	31	20	75
G277983		6.79	0.196		0.2	1.57	211	<10	40	<0.5	<2	6.02	<0.5	31	33	58
G277984		2.54	0.332		<0.2	2.15	393	<10	50	0.6	<2	6.58	<0.5	30	26	47
G277985		2.37	0.099		<0.2	2.02	104	<10	40	0.6	<2	5.95	<0.5	31	25	52
G277986		2.35	0.010		<0.2	1.93	13	<10	80	<0.5	<2	5.87	<0.5	25	11	47
G277987		4.61	0.037		<0.2	0.61	36	<10	420	<0.5	<2	0.96	<0.5	6	12	62
G277988		3.47	<0.005		<0.2	0.51	7	<10	610	<0.5	<2	0.27	<0.5	5	9	69
G277989		4.62	0.006		<0.2	0.84	16	<10	560	<0.5	<2	0.83	<0.5	10	35	71
G277990		0.60	<0.005		0.6	0.03	<2	<10	10	<0.5	<2	>25.0	<0.5	1	1	<1
G277991		4.22	0.016		0.2	0.47	36	<10	470	<0.5	<2	1.02	<0.5	7	11	77



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**CERTIFICATE OF ANALYSIS TR12161415**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G277952		8.01	10	<1	0.07	<10	3.67	1365	<1	0.02	53	510	4	0.10	<2	30
G277953		9.17	10	<1	0.07	<10	3.36	1505	<1	0.01	29	730	<2	0.25	<2	28
G277954		8.20	<10	<1	0.23	<10	2.56	1540	<1	0.01	28	480	2	4.76	4	25
G277955		7.14	<10	<1	0.22	<10	2.98	1370	<1	0.02	49	320	2	3.80	2	25
G277956		2.34	<10	<1	0.07	<10	1.15	721	<1	0.02	10	50	<2	0.83	<2	10
G277957		5.90	<10	<1	0.27	<10	3.39	1555	<1	0.02	44	210	<2	2.26	2	26
G277958		7.32	<10	<1	0.25	<10	3.12	1500	<1	0.02	56	210	<2	5.31	4	25
G277959		8.14	<10	<1	0.23	<10	2.76	1615	<1	0.01	25	550	2	5.78	53	22
G277960		3.25	<10	4	0.14	<10	0.79	430	12	0.07	36	730	283	0.65	27	4
G277961		8.23	<10	<1	0.24	<10	2.81	1515	<1	0.02	28	420	2	6.94	2	25
G277962		7.74	<10	<1	0.20	<10	2.74	1475	<1	0.02	22	410	3	5.54	<2	24
G277963		6.23	<10	<1	0.23	<10	3.26	1560	<1	0.02	43	300	<2	2.26	4	25
G277964		10.30	<10	<1	0.24	<10	3.01	1595	<1	0.03	22	370	3	9.97	4	25
G277965		6.77	<10	<1	0.18	<10	2.26	1255	<1	0.01	17	460	2	4.98	3	19
G277966		7.01	<10	<1	0.27	<10	3.24	1690	<1	0.02	22	550	<2	3.80	4	27
G277967		7.75	<10	<1	0.21	<10	2.83	1510	<1	0.03	27	350	<2	5.37	3	26
G277968		7.79	<10	<1	0.11	<10	3.04	1580	<1	0.07	28	480	<2	0.16	<2	28
G277969		7.00	<10	<1	0.16	<10	2.26	1510	<1	0.02	27	810	<2	0.52	<2	24
G277970		0.04	<10	<1	<0.01	<10	1.75	27	<1	0.01	<1	40	<2	0.06	<2	<1
G277971		8.09	<10	<1	0.17	<10	3.02	1685	<1	0.02	31	580	3	4.73	6	30
G277972		7.40	<10	<1	0.19	<10	2.25	1265	<1	0.02	32	660	<2	1.48	2	19
G277973		6.66	<10	<1	0.23	<10	3.09	1580	<1	0.01	35	340	<2	2.79	<2	24
G277974		8.63	10	<1	0.11	<10	2.91	1480	<1	0.01	29	810	<2	0.45	<2	30
G277975		8.54	10	<1	0.10	<10	2.87	1410	<1	0.01	29	820	<2	0.53	<2	30
G277976		6.78	<10	<1	0.18	<10	3.08	1520	<1	0.01	27	310	<2	4.73	2	26
G277977		7.19	<10	<1	0.19	<10	3.19	1560	<1	0.02	26	290	2	3.87	2	25
G277978		6.06	<10	<1	0.14	<10	1.18	702	<1	0.01	25	60	<2	5.33	4	9
G277979		6.66	<10	<1	0.19	<10	2.85	1300	<1	0.01	30	210	<2	4.73	5	23
G277980		3.46	10	<1	0.17	10	0.86	369	6	0.06	60	460	7	0.91	34	4
G277981		7.21	<10	<1	0.17	<10	3.05	1390	<1	0.03	34	460	<2	2.25	5	25
G277982		6.45	<10	<1	0.13	<10	3.02	1350	<1	0.03	35	380	<2	0.82	<2	24
G277983		7.16	10	<1	0.10	<10	2.69	1445	<1	0.02	36	670	<2	0.43	2	27
G277984		7.40	10	<1	0.07	<10	2.49	1330	<1	0.01	27	510	<2	1.50	6	26
G277985		7.93	10	<1	0.05	<10	2.44	2350	<1	0.01	26	630	<2	0.48	2	30
G277986		7.09	10	<1	0.07	<10	2.36	1760	<1	0.01	17	560	<2	0.21	<2	25
G277987		1.88	<10	<1	0.16	10	0.52	1305	1	0.01	24	140	4	0.30	<2	3
G277988		1.75	<10	1	0.20	10	0.32	3210	<1	0.01	27	200	7	0.11	<2	2
G277989		2.03	<10	1	0.14	10	0.73	2560	3	0.01	54	140	5	0.19	<2	2
G277990		0.03	<10	1	<0.01	<10	1.50	24	<1	0.02	<1	40	<2	0.06	<2	<1
G277991		2.36	<10	<1	0.19	10	0.66	1735	1	0.01	26	340	3	0.52	<2	2





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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12161415**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G277952		103	<20	0.01	<10	<10	172	<10	92
G277953		82	<20	0.01	<10	<10	211	<10	98
G277954		165	<20	<0.01	<10	<10	60	<10	83
G277955		189	<20	<0.01	<10	<10	44	<10	46
G277956		131	<20	<0.01	<10	<10	13	<10	28
G277957		251	<20	<0.01	<10	<10	30	<10	39
G277958		258	<20	<0.01	<10	<10	30	<10	48
G277959		234	<20	<0.01	<10	<10	34	<10	1940
G277960		36	<20	0.09	<10	<10	57	<10	262
G277961		320	<20	<0.01	<10	<10	32	<10	32
G277962		293	<20	<0.01	<10	<10	30	<10	36
G277963		212	<20	<0.01	<10	<10	30	<10	52
G277964		371	<20	<0.01	<10	<10	33	<10	36
G277965		249	<20	<0.01	<10	<10	31	<10	27
G277966		352	<20	<0.01	<10	<10	37	<10	50
G277967		260	<20	<0.01	<10	<10	32	<10	57
G277968		73	<20	<0.01	<10	<10	47	<10	87
G277969		114	<20	<0.01	<10	<10	31	<10	74
G277970		5310	20	<0.01	<10	<10	1	<10	<2
G277971		308	<20	<0.01	<10	<10	60	<10	70
G277972		128	<20	<0.01	<10	<10	32	<10	79
G277973		213	<20	<0.01	<10	<10	28	<10	57
G277974		95	<20	<0.01	<10	<10	164	<10	109
G277975		95	<20	<0.01	<10	<10	171	<10	104
G277976		320	<20	<0.01	<10	<10	35	<10	30
G277977		297	<20	<0.01	<10	<10	32	<10	47
G277978		122	<20	<0.01	<10	<10	16	<10	15
G277979		291	<20	<0.01	<10	<10	21	<10	32
G277980		39	<20	0.10	<10	<10	48	40	49
G277981		169	<20	<0.01	<10	<10	31	<10	71
G277982		112	<20	<0.01	<10	<10	44	<10	84
G277983		105	<20	<0.01	<10	<10	120	<10	85
G277984		96	<20	<0.01	<10	<10	166	<10	78
G277985		74	<20	<0.01	<10	<10	204	<10	93
G277986		105	<20	<0.01	<10	<10	166	<10	81
G277987		38	<20	<0.01	<10	<10	18	<10	49
G277988		20	<20	<0.01	<10	<10	11	<10	56
G277989		78	<20	<0.01	<10	<10	23	<10	70
G277990		5660	20	<0.01	<10	<10	2	<10	2
G277991		110	<20	<0.01	<10	<10	15	<10	52



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12161415**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G277992		3.57	0.007		<0.2	0.75	10	<10	580	<0.5	<2	0.44	<0.5	7	9	93
G277993		3.38	0.006		<0.2	1.10	6	<10	550	<0.5	<2	0.58	<0.5	11	12	93
G277947		4.05	1.305		0.3	0.98	3710	<10	50	<0.5	<2	5.70	<0.5	37	15	55
G277948		1.54	1.055		0.2	0.22	1535	<10	40	<0.5	<2	3.93	<0.5	16	11	9
G277949		2.60	1.365		0.4	0.83	967	<10	60	<0.5	<2	6.8	<0.5	33	27	33
G277950		0.35	0.005		0.4	0.03	4	<10	10	<0.5	<2	>25.0	<0.5	1	1	<1



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12161415**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
Units		%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
LOR		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G277992		1.84	<10	<1	0.18	10	0.47	943	<1	0.01	24	170	8	0.19	<2	1
G277993		2.33	<10	<1	0.18	10	0.68	855	<1	0.01	28	410	7	0.15	<2	2
G277947		9.49	<10	1	0.16	<10	1.97	1610	<1	0.02	33	750	2	1.84	2	27
G277948		4.68	<10	<1	0.12	<10	1.06	1015	<1	0.01	16	810	<2	1.95	2	15
G277949		7.29	<10	<1	0.18	<10	2.34	1575	<1	0.02	43	400	4	3.18	4	31
G277950		0.05	<10	1	<0.01	<10	1.74	25	<1	0.02	<1	30	<2	0.07	<2	<1



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**CERTIFICATE OF ANALYSIS TR12161415**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G277992		46	<20	<0.01	<10	<10	15	<10	51
G277993		75	<20	<0.01	<10	<10	21	<10	50
G277947		132	<20	<0.01	<10	<10	59	<10	88
G277948		145	<20	<0.01	<10	<10	16	<10	19
G277949		265	<20	<0.01	<10	<10	34	<10	47
G277950		5500	20	<0.01	<10	<10	2	<10	<2



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**CERTIFICATE TR12161416**

Project: CMV12-01  
 P.O. No.: CMV12-01\_22  
 This report is for 1 Crushed Core sample submitted to our lab in Terrace, BC, Canada on 24-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
SCR-21	Screen to -100 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12161416**

Sample Description	Method Analyte Units LOR	Au-SCR24 Au Total ppm	Au-SCR24 Au (+) F ppm	Au-SCR24 Au (-) F ppm	Au-SCR24 Au (+) m mg	Au-SCR24 WT. + Fr g	Au-SCR24 WT. - Fr g	Au-AA26 Au ppm	Au-AA26D Au ppm
G277959		8.01	266	7.06	0.770	2.90	787.5	7.16	6.96



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**CERTIFICATE TR12161412**

Project: CMV12-01  
 P.O. No.: CMV12-01\_23  
 This report is for 53 Drill Core samples submitted to our lab in Terrace, BC, Canada on 24-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12161412**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G277994		1.52	0.457		<0.2	2.52	170	<10	10	<0.5	<2	5.67	<0.5	36	23	57
G277995		1.58	>10.0	55.4	8.2	0.41	1115	<10	70	<0.5	<2	6.24	<0.5	37	7	56
G277996		2.61	0.266		<0.2	1.11	165	<10	50	<0.5	<2	5.58	<0.5	41	10	51
G277997		1.23	0.080		<0.2	3.17	44	<10	40	<0.5	<2	5.24	<0.5	36	23	91
G277998		1.67	1.260		<0.2	0.56	716	<10	60	<0.5	<2	4.67	<0.5	41	9	50
G277999		2.88	0.028		<0.2	1.11	127	<10	50	<0.5	<2	4.57	<0.5	42	12	55
G278000		0.07	0.262		0.4	0.35	451	<10	810	<0.5	<2	1.03	<0.5	3	39	38
G278001		2.86	0.031		0.2	1.05	96	<10	50	<0.5	<2	4.41	<0.5	36	8	43
G278002		1.69	2.70		0.4	0.67	>10000	<10	80	<0.5	<2	4.26	<0.5	37	14	8
G278003		1.69	2.76		0.6	0.85	584	<10	80	<0.5	<2	5.44	<0.5	42	8	80
G278004		4.02	<0.005		<0.2	3.74	57	<10	30	0.5	<2	4.66	<0.5	33	38	68
G278005		3.85	<0.005		0.2	3.38	32	<10	30	0.6	<2	4.66	<0.5	33	38	59
G278006		3.74	<0.005		<0.2	3.72	11	<10	30	0.7	<2	3.09	<0.5	29	43	49
G278007		1.66	0.019		0.3	3.51	35	<10	40	0.7	<2	4.64	<0.5	35	39	53
G278008		3.43	0.014		0.2	2.21	55	<10	60	0.5	<2	5.43	<0.5	32	26	110
G278009		4.89	0.049		0.2	3.41	115	<10	80	0.6	<2	5.17	<0.5	44	30	111
G278010		0.59	<0.005		0.6	0.06	<2	<10	10	<0.5	<2	>25.0	<0.5	1	<1	1
G278011		3.44	<0.005		<0.2	3.93	71	<10	150	0.5	<2	5.16	<0.5	38	43	70
G278012		3.73	<0.005		0.2	3.89	36	<10	60	<0.5	<2	5.26	<0.5	32	51	55
G278013		2.85	<0.005		<0.2	3.58	100	<10	40	<0.5	<2	4.84	<0.5	33	33	37
G278014		2.64	0.201		0.4	0.90	177	<10	60	<0.5	<2	5.86	0.5	32	14	67
G278015		4.82	0.146		0.3	1.63	220	<10	70	<0.5	<2	5.61	<0.5	30	21	62
G278016		3.28	0.012		0.2	2.07	54	<10	90	<0.5	<2	5.32	<0.5	30	37	64
G278017		2.86	<0.005		0.2	3.90	<2	<10	60	<0.5	<2	6.30	<0.5	32	123	89
G278018		4.21	<0.005		<0.2	3.24	12	<10	30	<0.5	<2	5.83	<0.5	33	56	69
G278019		4.13	<0.005		<0.2	4.67	8	<10	20	<0.5	<2	5.67	<0.5	34	44	53
G278020		0.07	0.734		2.3	0.70	29	<10	80	<0.5	<2	1.90	0.8	7	31	6920
G278021		3.75	<0.005		<0.2	4.19	30	<10	10	<0.5	<2	5.14	<0.5	34	36	50
G278022		5.02	<0.005		0.2	3.36	66	<10	40	<0.5	<2	5.67	<0.5	34	39	65
G278023		3.26	0.088		<0.2	0.81	295	<10	60	<0.5	<2	7.7	0.5	31	13	60
G278024		2.63	0.502		0.4	0.38	431	<10	50	<0.5	<2	7.9	<0.5	18	7	19
G278025		<0.02	0.563		0.4	0.34	423	<10	40	<0.5	<2	8.1	<0.5	17	6	17
G278026		4.54	<0.005		0.3	1.25	85	<10	60	<0.5	<2	6.29	<0.5	32	16	62
G278027		3.33	<0.005		<0.2	1.61	73	<10	10	<0.5	<2	5.85	<0.5	33	20	64
G278028		2.49	0.009		0.4	1.16	92	<10	30	<0.5	<2	6.54	<0.5	31	15	50
G278029		3.09	0.490		0.3	1.04	973	<10	50	<0.5	<2	8.3	<0.5	32	13	26
G278030		0.62	<0.005		0.7	0.10	2	<10	<10	<0.5	<2	>25.0	<0.5	1	<1	1
G278031		2.54	1.440		3.1	1.44	298	<10	60	<0.5	<2	6.98	<0.5	32	16	254
G278032		3.92	<0.005		0.2	2.81	45	<10	60	<0.5	<2	5.83	<0.5	34	46	72
G278033		4.77	<0.005		<0.2	3.03	39	<10	50	<0.5	<2	5.79	<0.5	34	53	74





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**CERTIFICATE OF ANALYSIS TR12161412**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
Units	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
G277994	9.52	10	1	0.01	<10	2.95	1645	<1	0.05	24	1200	<2	1.21	<2	34	
G277995	8.42	<10	1	0.22	<10	2.48	1545	<1	0.02	33	650	<2	6.91	6	24	
G277996	8.18	<10	1	0.22	<10	2.56	1360	<1	0.03	34	870	<2	0.51	<2	29	
G277997	9.67	10	1	0.13	<10	2.77	1335	<1	0.02	39	850	<2	0.15	<2	29	
G277998	8.90	<10	<1	0.23	<10	2.47	1360	<1	0.04	44	600	6	2.26	<2	30	
G277999	8.89	<10	<1	0.18	<10	2.55	1315	<1	0.07	53	800	3	0.17	<2	28	
G278000	3.89	<10	3	0.08	10	0.03	72	14	0.03	15	130	14	0.21	27	1	
G278001	9.52	<10	<1	0.18	<10	2.76	1445	<1	0.04	34	870	3	0.09	<2	30	
G278002	9.51	<10	<1	0.37	<10	1.63	878	<1	0.03	52	480	4	7.62	3	15	
G278003	9.43	<10	<1	0.20	<10	2.77	1550	<1	0.03	<10	55	680	4	2.45	<2	28
G278004	9.87	10	<1	0.06	<10	2.65	1460	<1	0.01	36	780	4	0.07	<2	32	
G278005	9.42	10	<1	0.04	<10	2.48	1515	<1	0.01	32	790	3	0.07	<2	35	
G278006	9.52	10	<1	0.02	<10	1.96	1115	<1	0.01	28	780	2	0.07	2	36	
G278007	9.46	10	<1	0.05	<10	1.91	1220	<1	0.01	36	830	2	0.15	<2	36	
G278008	7.32	10	<1	0.11	<10	2.01	1210	<1	0.02	32	750	<2	0.26	<2	29	
G278009	9.83	10	<1	0.12	<10	2.55	1260	<1	0.02	51	790	2	0.50	<2	31	
G278010	0.08	<10	<1	<0.01	<10	1.72	29	<1	0.02	<1	40	<2	0.08	<2	<1	
G278011	10.05	10	<1	0.12	<10	3.25	1315	<1	0.02	41	690	2	0.16	2	32	
G278012	9.12	10	<1	0.06	<10	3.70	1400	<1	0.02	31	650	3	0.23	<2	30	
G278013	8.98	10	<1	0.16	<10	3.32	1290	<1	0.04	32	700	2	0.32	<2	29	
G278014	6.85	<10	<1	0.25	<10	3.20	1365	<1	0.02	43	400	2	0.31	<2	21	
G278015	7.41	<10	<1	0.22	<10	3.04	1210	<1	0.02	36	390	3	0.89	<2	25	
G278016	6.89	10	<1	0.13	<10	2.62	1345	<1	0.02	32	410	2	0.77	<2	30	
G278017	7.42	10	<1	0.03	<10	3.95	1630	<1	0.04	46	400	<2	0.09	<2	34	
G278018	8.23	10	1	0.04	<10	3.50	1350	<1	0.05	32	670	2	0.40	<2	29	
G278019	9.44	20	<1	0.01	<10	3.09	1345	<1	0.02	25	880	4	0.29	<2	31	
G278020	6.72	<10	2	0.28	<10	0.86	896	8	0.06	13	620	23	2.75	25	3	
G278021	10.15	20	<1	0.04	<10	2.80	1375	<1	0.03	25	980	4	0.18	<2	31	
G278022	9.03	10	<1	0.09	<10	3.12	1375	<1	0.04	31	820	3	0.24	<2	30	
G278023	6.58	<10	<1	0.27	<10	2.89	1355	<1	0.03	32	580	3	0.31	<2	23	
G278024	4.72	<10	<1	0.16	<10	2.02	973	<1	0.02	18	300	2	1.96	3	12	
G278025	4.69	<10	<1	0.15	<10	2.03	984	<1	0.01	20	300	2	1.93	3	12	
G278026	7.38	<10	<1	0.20	<10	3.04	1330	<1	0.07	33	610	3	0.12	<2	26	
G278027	7.23	<10	<1	0.08	<10	2.76	1360	<1	0.08	35	640	<2	0.16	<2	29	
G278028	7.12	<10	<1	0.15	<10	2.75	1385	<1	0.06	33	600	3	0.13	<2	25	
G278029	7.79	<10	<1	0.13	<10	3.16	1755	<1	0.03	34	460	4	0.96	<2	27	
G278030	0.17	<10	<1	<0.01	<10	1.70	47	<1	0.02	<1	50	<2	0.09	<2	1	
G278031	6.65	<10	<1	0.17	<10	2.70	1350	<1	0.03	35	540	2	0.29	47	26	
G278032	7.65	10	<1	0.08	<10	3.16	1345	<1	0.06	37	610	2	0.17	<2	29	
G278033	7.85	10	<1	0.06	<10	3.22	1430	<1	0.05	37	650	<2	0.16	<2	32	



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**CERTIFICATE OF ANALYSIS TR12161412**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G277994		181	<20	0.02	<10	<10	308	<10	97
G277995		249	<20	<0.01	<10	<10	29	<10	44
G277996		99	<20	<0.01	<10	<10	40	<10	103
G277997		80	<20	<0.01	<10	<10	144	<10	106
G277998		111	<20	<0.01	<10	<10	43	<10	96
G277999		84	<20	<0.01	<10	<10	54	<10	107
G278000		66	<20	0.01	10	<10	27	10	22
G278001		109	<20	<0.01	<10	<10	41	<10	102
G278002		161	<20	0.12	<10	<10	52	10	42
G278003		180	<20	<0.01	<10	<10	37	<10	74
G278004		95	<20	<0.01	<10	<10	233	<10	119
G278005		86	<20	<0.01	<10	<10	253	<10	122
G278006		54	<20	0.01	<10	<10	297	<10	109
G278007		70	<20	<0.01	<10	<10	277	<10	128
G278008		80	<20	<0.01	<10	<10	181	<10	104
G278009		90	<20	0.01	<10	<10	219	<10	113
G278010		4610	20	<0.01	<10	<10	2	<10	2
G278011		95	<20	<0.01	<10	<10	200	<10	110
G278012		85	<20	0.01	<10	<10	210	<10	107
G278013		61	<20	0.01	<10	<10	179	<10	114
G278014		119	<20	<0.01	<10	<10	25	<10	67
G278015		120	<20	<0.01	<10	<10	58	<10	60
G278016		80	<20	<0.01	<10	<10	115	<10	70
G278017		119	<20	0.01	<10	<10	206	<10	83
G278018		89	<20	0.01	<10	<10	200	<10	93
G278019		66	<20	0.04	<10	<10	311	<10	114
G278020		64	<20	0.04	<10	<10	40	<10	101
G278021		59	<20	0.02	<10	<10	291	<10	133
G278022		68	<20	0.01	<10	<10	189	<10	105
G278023		88	<20	<0.01	<10	<10	41	<10	67
G278024		135	<20	<0.01	<10	<10	27	<10	19
G278025		135	<20	<0.01	<10	<10	25	<10	24
G278026		65	<20	<0.01	<10	<10	45	<10	80
G278027		48	<20	<0.01	<10	<10	58	<10	84
G278028		74	<20	<0.01	<10	<10	44	<10	85
G278029		144	<20	<0.01	<10	<10	42	<10	53
G278030		4830	20	0.01	<10	<10	4	<10	2
G278031		101	<20	<0.01	<10	<10	45	<10	94
G278032		66	<20	<0.01	<10	<10	155	<10	97
G278033		76	<20	0.01	<10	<10	184	<10	89



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**CERTIFICATE OF ANALYSIS TR12161412**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278034		4.03	0.006		<0.2	3.99	75	<10	80	<0.5	<2	7.2	<0.5	35	44	66
G278035		5.60	0.090		<0.2	2.44	215	<10	50	<0.5	<2	6.37	<0.5	32	32	55
G278036		1.88	2.41		0.8	0.65	896	<10	70	<0.5	<2	6.40	<0.5	34	8	43
G278037		0.90	1.265		0.2	0.34	361	<10	30	<0.5	<2	3.59	<0.5	10	8	18
G278038		2.93	0.751		0.8	0.74	459	<10	80	<0.5	<2	6.63	<0.5	33	8	62
G278039		2.84	<0.005		<0.2	3.39	60	<10	20	0.5	<2	5.97	<0.5	32	40	61
G278040		0.09	3.23		3.8	1.48	267	<10	470	<0.5	<2	1.27	1.4	9	52	75
G278041		2.96	0.019		<0.2	3.93	58	<10	30	<0.5	<2	5.69	<0.5	34	67	75
G278042		2.51	0.012		<0.2	5.06	25	<10	40	<0.5	<2	5.57	<0.5	33	96	78
G278043		4.13	<0.005		<0.2	3.58	57	<10	40	<0.5	<2	7.5	<0.5	32	53	80
G278044		2.37	<0.005		<0.2	3.44	60	<10	110	0.5	<2	6.20	<0.5	34	46	56
G278045		1.74	<0.005		<0.2	2.58	83	<10	20	<0.5	<2	6.07	<0.5	33	35	47
G278046		3.73	0.107		<0.2	3.41	604	<10	150	<0.5	<2	7.5	<0.5	33	40	69



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**CERTIFICATE OF ANALYSIS TR12161412**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G278034		7.73	10	<1	0.09	<10	3.35	1775	<1	0.02	33	610	<2	0.19	2	31
G278035		6.63	10	<1	0.16	<10	2.93	1370	<1	0.03	34	650	<2	0.34	<2	27
G278036		8.06	<10	<1	0.22	<10	2.84	1445	<1	0.02	38	450	<2	6.52	10	24
G278037		3.35	<10	<1	0.07	<10	1.16	768	<1	0.01	13	310	<2	1.71	3	9
G278038		6.16	<10	<1	0.28	<10	2.59	1370	<1	0.02	34	610	<2	3.29	4	22
G278039		9.01	10	1	0.11	<10	3.51	1400	<1	0.02	32	690	<2	0.27	<2	27
G278040		3.21	<10	5	0.14	10	0.79	443	12	0.07	36	760	285	0.66	28	4
G278041		8.44	10	1	0.06	<10	3.73	1465	<1	0.02	38	570	<2	0.21	<2	31
G278042		8.12	10	1	0.04	<10	3.81	1385	<1	0.02	42	430	<2	0.22	<2	31
G278043		8.00	10	1	0.09	<10	3.28	1535	<1	0.02	35	580	<2	0.10	<2	30
G278044		7.81	10	1	0.07	<10	2.88	1510	<1	0.02	34	650	<2	0.14	<2	31
G278045		7.46	10	<1	0.08	<10	2.87	1630	<1	0.03	35	610	<2	0.06	<2	29
G278046		7.75	10	1	0.08	<10	3.00	1710	<1	0.04	37	640	<2	0.18	<2	29



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**CERTIFICATE OF ANALYSIS TR12161412**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G278034		125	<20	0.06	<10	<10	229	<10	89
G278035		124	<20	0.01	<10	<10	126	<10	80
G278036		279	<20	<0.01	<10	<10	35	<10	36
G278037		104	<20	<0.01	<10	<10	19	<10	13
G278038		215	<20	<0.01	<10	<10	33	<10	59
G278039		76	<20	<0.01	<10	<10	131	<10	90
G278040		35	<20	0.09	<10	<10	58	<10	263
G278041		80	<20	<0.01	<10	<10	171	<10	93
G278042		101	<20	0.01	<10	<10	218	<10	76
G278043		122	<20	<0.01	<10	<10	171	<10	84
G278044		64	<20	<0.01	<10	<10	185	<10	87
G278045		63	<20	<0.01	<10	<10	138	<10	84
G278046		85	<20	0.04	<10	<10	152	<10	93



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**CERTIFICATE TR12180386**

Project: CMV12-01  
 P.O. No.: CMV12-01\_23  
 This report is for 1 Pulp sample submitted to our lab in Terrace, BC, Canada on 3-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
BAG-01	Bulk Master for Storage
SCR-21	Screen to -100 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
 VANCOUVER BC V6C 1E5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12180386**

Sample Description	Method Analyte Units LOR	Au-SCR24 Au Total ppm	Au-SCR24 Au (+) F ppm	Au-SCR24 Au (-) F ppm	Au-SCR24 Au (+) m mg	Au-SCR24 WT. + Fr g	Au-SCR24 WT. - Fr g	Au-AA26 Au ppm	Au-AA26D Au ppm
G277995		54.8	72.2	54.4	1.090	15.10	585.4	53.6	55.2



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 Finalized Date: 10-AUG-2012  
 Account: EIACMV

**CERTIFICATE TR12161413**

Project: CMV12-01  
 P.O. No.: CMV12-01\_24  
 This report is for 1 Crushed Core sample submitted to our lab in Terrace, BC, Canada on 24-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
SCR-21	Screen to -100 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager





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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12161413**

Sample Description	Method Analyte Units LOR	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
		Au Total ppm	Au (+) F ppm	Au (-) F ppm	Au (+) m mg	WT. + Fr g	WT. - Fr g	Au ppm	Au ppm
G278062		68.0	871	61.7	5.838	6.70	848.1	64.3	59.0



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 Account: EIACMV

**CERTIFICATE TR12166587**

Project: CMV12-01  
 P.O. No.: CMV12-01\_24  
 This report is for 88 Drill Core samples submitted to our lab in Terrace, BC, Canada on 24-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12166587**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278047		4.06	0.022		<0.2	2.69	82	<10	60	<0.5	<2	5.35	<0.5	31	66	64
G278048		2.70	0.015		<0.2	1.72	162	<10	50	<0.5	<2	7.1	<0.5	32	16	67
G278049		2.99	<0.005		<0.2	4.51	10	<10	10	<0.5	<2	5.21	<0.5	36	50	55
G278050		0.65	<0.005		<0.2	0.04	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G278051		2.46	<0.005		<0.2	4.36	18	<10	20	<0.5	<2	5.87	<0.5	35	48	56
G278052		1.37	2.49		0.6	0.41	2770	<10	50	<0.5	<2	4.86	<0.5	22	10	40
G278053		2.35	2.58		0.5	0.34	1915	<10	50	<0.5	<2	5.31	<0.5	31	6	20
G278054		2.10	<0.005		<0.2	5.08	47	<10	20	<0.5	<2	5.00	<0.5	37	24	60
G278055		2.17	0.009		<0.2	4.34	39	<10	60	<0.5	<2	6.8	<0.5	34	45	60
G278056		1.28	4.27	3.59	0.3	0.23	1465	<10	30	<0.5	<2	5.42	<0.5	26	5	49
G278057		2.38	0.303		<0.2	2.61	372	<10	30	<0.5	<2	5.66	<0.5	34	30	69
G278058		5.23	<0.005		<0.2	4.17	<2	<10	20	<0.5	<2	5.10	<0.5	37	52	60
G278059		4.85	<0.005		<0.2	4.31	13	<10	10	<0.5	<2	5.15	<0.5	36	52	59
G278060		0.08	>10.0	9.61	0.5	1.51	4090	<10	60	<0.5	<2	0.78	<0.5	15	69	69
G278061		2.44	2.30		<0.2	0.95	6570	<10	70	0.5	<2	6.66	<0.5	41	15	28
G278062		1.46	>10.0	64.0	6.8	0.17	>10000	<10	30	<0.5	<2	4.11	<0.5	28	8	41
G278063		1.08	>10.0	33.4	2.9	0.37	>10000	<10	70	<0.5	<2	5.37	<0.5	43	4	23
G278064		1.18	0.022		<0.2	2.44	156	<10	20	<0.5	<2	7.0	<0.5	36	34	41
G278065		4.14	0.014		<0.2	3.20	32	<10	10	<0.5	<2	3.38	<0.5	30	167	64
G278066		3.88	<0.005		<0.2	2.74	4	<10	330	<0.5	<2	2.63	<0.5	30	138	69
G278067		2.09	<0.005		<0.2	3.25	8	<10	1930	0.5	<2	3.89	<0.5	35	39	47
G278068		4.39	0.784		<0.2	1.05	1875	<10	60	<0.5	<2	5.91	<0.5	34	12	47
G278069		3.21	0.526		0.2	0.66	271	<10	40	<0.5	<2	6.46	<0.5	34	20	56
G278070		0.61	<0.005		<0.2	0.03	7	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G278071		0.59	4.33		0.5	0.15	158	<10	10	<0.5	<2	3.33	<0.5	6	10	6
G278072		1.81	3.05		0.3	0.37	996	<10	50	<0.5	<2	6.49	<0.5	36	9	43
G278073		1.41	0.113		0.3	2.70	101	<10	20	<0.5	<2	5.18	<0.5	34	37	74
G278074		0.83	0.623		0.6	0.32	314	<10	100	<0.5	<2	6.80	<0.5	33	9	45
G278075		0.56	2.74		<0.2	0.51	327	<10	70	<0.5	<2	6.01	<0.5	31	10	42
G278076		1.97	0.213		<0.2	0.09	111	<10	20	<0.5	<2	2.84	<0.5	6	13	2
G278077		3.25	3.55		0.9	0.42	1120	<10	70	<0.5	<2	8.6	<0.5	36	9	40
G278078		2.68	<0.005		<0.2	2.17	21	<10	40	0.5	<2	6.29	<0.5	37	49	88
G278079		2.31	<0.005		<0.2	3.01	12	<10	20	0.5	<2	5.23	<0.5	32	54	60
G278080		0.07	0.264		0.2	0.37	427	<10	940	<0.5	<2	0.97	<0.5	3	39	37
G278081		1.10	0.138		<0.2	2.80	89	<10	40	<0.5	<2	5.45	<0.5	31	50	61
G278082		2.95	1.510		0.3	0.42	935	<10	60	<0.5	<2	6.38	<0.5	29	9	26
G278083		3.82	<0.005		<0.2	4.39	13	<10	20	<0.5	<2	6.63	<0.5	37	74	67
G278084		3.18	<0.005		<0.2	3.47	3	<10	10	<0.5	<2	8.0	<0.5	33	67	78
G278085		4.09	<0.005		<0.2	4.41	17	<10	10	<0.5	<2	5.51	<0.5	36	64	64
G278086		3.54	0.332		<0.2	0.91	408	<10	60	<0.5	<2	9.0	<0.5	36	21	28



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12166587**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G278047		5.99	10	1	0.08	<10	2.95	1160	<1	0.02	41	430	2	0.13	<2	21
G278048		6.60	<10	<1	0.15	<10	3.08	1115	<1	0.02	43	420	3	0.13	2	22
G278049		8.98	20	<1	0.01	<10	3.30	1485	<1	0.03	38	750	<2	0.21	<2	32
G278050		0.05	<10	<1	<0.01	<10	1.64	29	<1	0.02	1	40	<2	0.08	3	<1
G278051		9.09	20	<1	0.03	<10	3.14	1465	<1	0.02	37	750	3	0.21	<2	31
G278052		5.45	<10	<1	0.15	<10	1.80	1160	<1	0.01	21	510	<2	2.98	4	17
G278053		7.73	<10	<1	0.20	<10	2.16	1365	<1	0.02	17	970	<2	3.82	2	18
G278054		10.55	20	<1	0.01	<10	2.93	1510	<1	0.01	24	1140	<2	0.32	<2	31
G278055		8.66	20	<1	0.02	<10	3.00	1465	<1	0.02	35	760	<2	0.22	<2	32
G278056		6.29	<10	<1	0.12	<10	2.05	1185	<1	0.01	24	550	<2	3.20	<2	18
G278057		8.83	10	<1	0.10	<10	3.05	1540	<1	0.02	34	730	<2	0.52	<2	29
G278058		8.72	20	<1	<0.01	<10	3.17	1515	<1	0.03	38	780	2	0.22	<2	24
G278059		8.85	20	<1	0.01	<10	3.18	1490	<1	0.03	36	780	<2	0.17	2	28
G278060		3.59	10	1	0.17	10	0.89	396	6	0.06	66	490	8	0.91	33	5
G278061		9.37	<10	<1	0.20	<10	3.27	1920	<1	0.03	39	670	<2	3.00	<2	27
G278062		8.64	<10	<1	0.10	<10	1.65	986	<1	0.01	25	550	5	8.69	8	17
G278063		11.60	<10	<1	0.21	<10	2.12	1350	<1	0.02	32	670	5	8.86	7	21
G278064		9.04	10	<1	0.08	<10	2.52	1500	<1	0.02	27	970	<2	0.28	<2	25
G278065		5.74	10	<1	0.01	<10	2.83	1085	<1	0.04	48	520	2	0.09	<2	14
G278066		5.70	10	<1	0.02	<10	2.32	1065	<1	0.05	42	640	<2	0.15	<2	10
G278067		9.22	10	<1	0.16	<10	2.51	1675	<1	0.09	29	1170	<2	0.15	<2	19
G278068		8.93	<10	<1	0.16	<10	2.22	1680	<1	0.02	24	990	2	1.64	2	24
G278069		6.97	<10	<1	0.19	<10	2.80	1465	<1	0.02	41	570	2	1.03	<2	22
G278070		0.06	<10	<1	<0.01	<10	1.72	33	<1	0.02	<1	40	<2	0.09	2	<1
G278071		2.11	<10	<1	0.03	<10	0.62	493	<1	0.01	13	1080	<2	0.82	2	6
G278072		7.53	<10	1	0.19	<10	3.11	1540	<1	0.02	39	370	<2	4.58	3	29
G278073		8.63	10	1	0.12	<10	3.25	1275	<1	0.02	42	640	2	0.37	<2	30
G278074		7.04	<10	<1	0.19	<10	2.98	1485	<1	0.02	39	590	<2	1.18	<2	24
G278075		6.36	<10	<1	0.28	<10	2.64	1300	<1	0.02	34	580	<2	1.22	<2	23
G278076		1.77	<10	<1	0.06	<10	1.08	695	<1	0.01	6	390	<2	0.40	<2	9
G278077		7.69	<10	<1	0.21	<10	2.86	1495	<1	0.02	40	590	3	4.85	2	27
G278078		7.24	10	<1	0.04	<10	1.98	1460	<1	0.01	45	610	<2	0.62	<2	31
G278079		7.48	10	<1	0.04	<10	2.55	1275	<1	0.01	37	610	<2	0.08	<2	33
G278080		3.73	<10	4	0.09	10	0.03	69	13	0.02	14	140	11	0.21	29	1
G278081		7.95	10	<1	0.10	<10	3.10	1260	<1	0.02	37	640	<2	0.55	<2	30
G278082		6.71	<10	<1	0.17	<10	2.39	1190	<1	0.01	33	400	3	4.83	2	24
G278083		8.25	10	<1	0.01	<10	3.04	1295	<1	0.02	45	810	<2	0.03	<2	35
G278084		6.89	10	1	0.02	<10	3.02	1385	<1	0.03	36	780	<2	0.18	<2	21
G278085		7.99	20	1	<0.01	<10	3.69	1395	<1	0.03	38	620	<2	0.19	<2	29
G278086		6.54	<10	<1	0.21	<10	3.34	1590	<1	0.02	42	370	<2	1.96	<2	25



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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12166587**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G278047		68	<20	0.09	<10	<10	126	<10	71
G278048		153	<20	<0.01	<10	<10	43	<10	70
G278049		96	<20	0.07	<10	<10	337	<10	106
G278050		4980	20	<0.01	<10	<10	1	<10	<2
G278051		98	<20	0.06	<10	<10	309	<10	105
G278052		173	<20	<0.01	<10	<10	27	<10	46
G278053		215	<20	<0.01	<10	<10	29	<10	46
G278054		45	<20	0.13	<10	<10	350	<10	133
G278055		65	<20	0.07	<10	<10	322	<10	102
G278056		176	<20	<0.01	<10	<10	20	<10	55
G278057		104	<20	0.02	<10	<10	201	<10	90
G278058		86	<20	0.31	<10	<10	325	<10	111
G278059		82	<20	0.24	<10	<10	337	<10	113
G278060		40	<20	0.10	<10	<10	51	40	52
G278061		224	<20	<0.01	<10	<10	92	<10	75
G278062		210	<20	<0.01	<10	<10	17	<10	29
G278063		242	<20	<0.01	<10	<10	30	<10	36
G278064		81	<20	0.01	<10	<10	164	<10	102
G278065		41	<20	0.42	<10	<10	196	<10	73
G278066		48	<20	0.53	<10	<10	178	<10	77
G278067		100	<20	0.67	<10	<10	266	<10	122
G278068		103	<20	<0.01	<10	<10	96	<10	97
G278069		120	<20	<0.01	<10	<10	58	<10	68
G278070		5110	20	<0.01	<10	<10	2	<10	3
G278071		83	<20	<0.01	<10	<10	11	<10	9
G278072		256	<20	<0.01	<10	<10	26	<10	55
G278073		84	<20	<0.01	<10	<10	96	<10	94
G278074		172	<20	<0.01	<10	<10	23	<10	64
G278075		150	<20	<0.01	<10	<10	31	<10	63
G278076		126	<20	<0.01	<10	<10	8	<10	8
G278077		301	<20	<0.01	<10	<10	33	<10	46
G278078		66	<20	<0.01	<10	<10	175	<10	91
G278079		85	<20	<0.01	<10	<10	202	<10	88
G278080		74	<20	0.01	10	<10	26	10	22
G278081		87	<20	0.01	<10	<10	159	<10	84
G278082		192	<20	<0.01	<10	<10	36	<10	35
G278083		105	<20	0.06	<10	<10	286	<10	104
G278084		119	<20	0.21	<10	<10	265	<10	87
G278085		81	<20	0.08	<10	<10	311	<10	93
G278086		286	<20	<0.01	<10	<10	55	<10	52



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**CERTIFICATE OF ANALYSIS TR12166587**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
G278087		3.21	0.577		<0.2	0.58	515	<10	70	<0.5	<2	8.0	<0.5	36	22	20
G278088		3.22	<0.005		<0.2	4.31	14	<10	20	<0.5	<2	6.00	<0.5	35	101	78
G278089		2.62	<0.005		<0.2	1.20	109	<10	20	<0.5	<2	8.2	<0.5	30	24	50
G278090		0.54	<0.005		0.5	0.07	<2	<10	<10	<0.5	<2	>25.0	<0.5	1	1	1
G278091		2.64	<0.005		<0.2	2.81	54	<10	50	<0.5	<2	6.31	<0.5	33	51	62
G278092		5.31	<0.005		<0.2	3.61	3	<10	50	<0.5	<2	3.90	<0.5	35	96	81
G278093		3.33	0.018		<0.2	1.88	42	<10	60	0.7	<2	7.8	<0.5	36	65	72
G278094		3.34	<0.005		<0.2	3.14	4	<10	10	<0.5	<2	2.16	<0.5	27	77	74
G278095		3.24	<0.005		<0.2	3.25	2	<10	10	<0.5	<2	2.42	<0.5	28	92	76
G278096		2.96	<0.005		<0.2	2.30	30	<10	90	0.5	2	4.79	<0.5	39	76	69
G278097		3.33	<0.005		<0.2	2.17	63	<10	20	0.7	<2	12.0	<0.5	27	39	53
G278098		3.36	<0.005		<0.2	2.30	81	<10	10	<0.5	<2	6.31	<0.5	33	43	59
G278099		1.60	0.660		<0.2	0.40	578	<10	60	<0.5	<2	6.64	<0.5	31	8	25
G278100		0.08	0.713		2.2	0.65	28	<10	80	<0.5	<2	1.78	0.5	7	29	6500
G278101		1.24	0.224		<0.2	0.14	213	<10	20	<0.5	<2	3.06	<0.5	9	9	12
G278102		2.71	1.335		4.2	0.57	783	<10	70	<0.5	<2	6.86	<0.5	32	10	185
G278103		2.23	<0.005		<0.2	1.35	127	<10	10	<0.5	<2	5.58	<0.5	34	17	65
G278104		2.55	0.103		<0.2	0.76	105	<10	10	<0.5	<2	4.95	<0.5	32	14	66
G278105		2.11	0.496		0.3	0.46	403	<10	40	<0.5	<2	6.30	<0.5	31	10	88
G278106		1.91	1.040		0.8	0.51	450	<10	50	<0.5	<2	7.3	<0.5	28	10	40
G278107		2.50	0.892		0.7	0.42	615	<10	40	<0.5	<2	7.5	<0.5	26	9	46
G278108		2.30	1.115		0.5	0.59	867	<10	60	<0.5	<2	7.2	<0.5	37	11	30
G278109		0.53	0.050		<0.2	0.27	58	<10	30	<0.5	<2	5.61	<0.5	7	9	1
G278110		0.63	<0.005		0.8	0.04	3	<10	<10	<0.5	<2	>25.0	<0.5	1	<1	<1
G278111		1.87	0.692		0.3	0.37	604	<10	40	<0.5	<2	7.7	<0.5	32	9	23
G278112		2.00	0.878		0.4	0.48	753	<10	50	<0.5	<2	6.42	<0.5	30	9	24
G278113		1.90	0.025		<0.2	3.52	69	<10	40	<0.5	<2	7.7	<0.5	32	53	61
G278114		3.10	<0.005		<0.2	4.75	17	<10	<10	<0.5	<2	5.91	<0.5	35	72	70
G278115		2.03	<0.005		<0.2	3.19	4	<10	<10	<0.5	<2	2.61	<0.5	31	54	75
G278116		2.74	0.114		0.2	1.97	203	<10	70	0.6	<2	8.4	<0.5	32	29	56
G278117		4.09	<0.005		<0.2	3.75	<2	<10	20	<0.5	<2	3.23	<0.5	42	78	78
G278118		3.17	<0.005		<0.2	3.57	12	<10	20	<0.5	<2	4.41	<0.5	38	66	82
G278119		0.93	<0.005		0.2	1.31	69	<10	50	<0.5	<2	9.3	<0.5	32	29	51
G278120		0.08	3.49		3.8	1.44	273	<10	430	<0.5	<2	1.29	1.5	9	51	73
G278121		5.03	<0.005		<0.2	3.21	3	<10	30	<0.5	<2	3.53	<0.5	32	58	75
G278122		4.57	<0.005		0.2	4.14	4	<10	40	<0.5	<2	4.65	<0.5	35	44	53
G278123		3.48	0.149		<0.2	3.91	31	<10	10	<0.5	<2	5.85	<0.5	33	35	61
G278124		1.67	1.815		0.5	0.49	8190	<10	50	<0.5	<2	4.86	<0.5	28	6	33
G278125		<0.02	2.03		0.4	0.50	7730	<10	60	<0.5	<2	4.96	<0.5	29	6	36
G278126		3.38	0.085		0.2	2.48	39	<10	10	<0.5	<2	5.32	<0.5	33	22	61



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	
Units		%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	
LOR																
G278087		6.32	<10	<1	0.24	<10	3.64	1640	<1	0.02	42	290	3	2.15	<2	31
G278088		7.43	10	<1	0.02	<10	3.78	1325	<1	0.02	44	510	<2	0.33	<2	30
G278089		6.39	<10	<1	0.07	<10	3.03	1270	<1	0.04	33	440	<2	0.12	<2	25
G278090		0.07	<10	<1	<0.01	<10	1.73	30	<1	0.01	<1	40	<2	0.08	<2	<1
G278091		7.15	10	1	0.05	<10	3.33	1265	<1	0.03	37	450	<2	0.16	<2	29
G278092		6.61	10	<1	<0.01	<10	2.43	1035	<1	0.04	44	610	<2	0.38	<2	18
G278093		6.31	10	<1	0.08	<10	2.26	1400	<1	0.01	49	530	<2	0.32	2	27
G278094		4.51	10	<1	<0.01	<10	1.82	763	<1	0.05	39	420	<2	0.22	2	5
G278095		5.08	10	1	<0.01	<10	1.99	829	<1	0.04	43	450	<2	0.22	<2	9
G278096		7.88	10	1	<0.01	<10	1.85	1775	<1	0.01	49	650	<2	0.16	<2	36
G278097		5.85	10	1	0.04	<10	2.30	1255	<1	0.01	28	520	<2	0.28	<2	26
G278098		7.24	10	<1	0.08	<10	3.21	1415	<1	0.02	36	600	<2	0.09	<2	27
G278099		5.97	<10	<1	0.22	<10	2.73	1535	<1	0.02	30	460	<2	2.61	<2	19
G278100		6.22	<10	2	0.27	<10	0.83	840	7	0.05	14	580	19	2.71	25	3
G278101		2.59	<10	<1	0.08	<10	0.85	514	<1	0.01	10	130	<2	1.25	<2	6
G278102		7.21	<10	<1	0.27	<10	3.11	1405	<1	0.03	38	500	<2	3.48	65	22
G278103		7.72	<10	<1	0.12	<10	3.06	1205	1	0.07	43	610	5	0.17	2	25
G278104		7.36	<10	<1	0.14	<10	3.06	1285	<1	0.07	34	560	2	0.24	2	26
G278105		7.57	<10	<1	0.17	<10	2.98	1285	<1	0.04	36	500	3	2.24	4	24
G278106		6.80	<10	<1	0.21	<10	2.97	1390	<1	0.05	30	420	<2	2.28	5	24
G278107		6.53	<10	<1	0.17	<10	2.59	1225	<1	0.04	29	570	2	2.74	4	21
G278108		8.34	<10	<1	0.22	<10	2.91	1465	<1	0.04	40	470	3	3.81	2	27
G278109		1.99	<10	<1	0.11	<10	0.98	704	<1	0.03	4	1930	<2	0.32	<2	11
G278110		0.05	<10	<1	0.01	<10	1.61	32	<1	0.03	<1	30	<2	0.12	<2	<1
G278111		6.16	<10	<1	0.17	<10	2.98	1575	<1	0.04	29	330	3	2.86	2	26
G278112		6.76	<10	<1	0.22	<10	2.99	1440	<1	0.04	33	430	2	3.20	2	25
G278113		7.39	10	<1	0.07	<10	3.04	1275	<1	0.04	35	610	2	0.34	2	28
G278114		8.02	10	<1	0.02	<10	3.46	1375	<1	0.07	38	590	2	0.19	3	30
G278115		6.12	10	<1	<0.01	<10	2.32	942	<1	0.09	36	710	<2	0.29	4	11
G278116		6.84	10	<1	0.16	<10	2.84	1465	<1	0.04	32	580	2	0.45	2	30
G278117		7.19	10	<1	0.01	<10	2.66	1220	<1	0.06	50	690	<2	0.28	2	20
G278118		7.49	10	<1	0.03	<10	2.66	1300	<1	0.05	43	650	2	0.30	2	23
G278119		6.67	<10	<1	0.13	<10	2.89	1465	<1	0.04	33	530	2	0.25	2	26
G278120		3.28	<10	4	0.13	10	0.77	440	13	0.08	38	740	287	0.64	28	4
G278121		6.44	10	<1	0.01	<10	2.04	1045	<1	0.07	35	700	2	0.27	3	17
G278122		8.28	10	<1	0.01	<10	2.85	1260	<1	0.05	30	860	3	0.22	<2	23
G278123		8.85	20	<1	0.04	<10	2.94	1425	<1	0.04	29	810	3	0.32	<2	31
G278124		7.21	<10	<1	0.18	<10	2.10	1060	<1	0.03	23	500	<2	3.14	4	20
G278125		7.47	<10	<1	0.19	<10	2.12	1080	<1	0.03	24	520	3	3.25	5	20
G278126		8.34	10	<1	0.11	<10	2.75	1420	<1	0.03	25	820	2	0.39	<2	26



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G278087		352	<20	<0.01	<10	<10	46	<10	50
G278088		58	<20	0.03	<10	<10	250	<10	82
G278089		118	<20	<0.01	<10	<10	71	<10	84
G278090		4860	20	<0.01	<10	<10	2	<10	<2
G278091		113	<20	0.01	<10	<10	144	<10	75
G278092		72	<20	0.46	<10	<10	217	<10	81
G278093		126	<20	0.01	<10	<10	135	<10	76
G278094		16	<20	0.47	<10	<10	143	<10	63
G278095		25	<20	0.46	<10	<10	159	<10	67
G278096		77	<20	0.01	<10	<10	265	<10	118
G278097		61	<20	0.01	<10	<10	158	<10	78
G278098		63	<20	<0.01	<10	<10	132	<10	88
G278099		162	<20	<0.01	<10	<10	25	<10	37
G278100		62	<20	0.04	<10	<10	39	<10	95
G278101		65	<20	<0.01	<10	<10	10	<10	8
G278102		205	<20	<0.01	<10	<10	33	<10	82
G278103		76	<20	0.01	<10	<10	47	<10	93
G278104		66	<20	0.01	<10	<10	39	<10	85
G278105		126	<20	0.01	<10	<10	36	<10	74
G278106		177	<20	0.01	<10	<10	37	<10	55
G278107		166	<20	0.01	<10	<10	31	<10	46
G278108		207	<20	0.01	<10	<10	38	<10	54
G278109		137	<20	0.01	<10	<10	15	<10	10
G278110		4710	20	0.01	<10	<10	1	<10	21
G278111		240	<20	0.01	<10	<10	29	<10	32
G278112		246	<20	0.01	<10	<10	31	<10	43
G278113		84	<20	0.07	<10	<10	209	<10	83
G278114		39	<20	0.32	<10	<10	284	<10	91
G278115		42	<20	0.53	<10	<10	172	<10	71
G278116		133	<20	0.04	<10	<10	123	<10	70
G278117		75	<20	0.19	<10	<10	209	<10	92
G278118		81	<20	0.14	<10	<10	190	<10	112
G278119		156	<20	0.01	<10	<10	98	<10	78
G278120		36	<20	0.09	<10	<10	56	<10	263
G278121		57	<20	0.39	<10	<10	201	<10	86
G278122		61	<20	0.42	<10	<10	275	<10	102
G278123		97	<20	0.04	<10	<10	254	<10	102
G278124		186	<20	0.02	<10	<10	29	<10	34
G278125		185	<20	0.02	<10	<10	30	<10	49
G278126		95	<20	0.02	<10	<10	130	<10	100





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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278127		1.52	2.22		0.9	0.52	926	<10	60	<0.5	<2	5.95	<0.5	33	6	59
G278128		2.72	1.260		0.6	0.45	2490	<10	50	<0.5	<2	6.03	<0.5	30	6	24
G278129		1.20	0.715		0.4	0.44	1120	<10	40	<0.5	<2	3.79	<0.5	22	8	7
G278130		0.63	<0.005		0.7	0.03	14	<10	<10	<0.5	<2	>25.0	<0.5	1	<1	<1
G278131		1.83	0.990		<0.2	0.46	1020	<10	40	<0.5	<2	2.08	<0.5	20	11	7
G278132		1.14	0.309		0.2	4.23	422	<10	70	0.7	<2	4.66	<0.5	39	58	56
G278133		3.88	0.498		0.4	2.58	485	<10	70	<0.5	<2	7.4	<0.5	35	40	39
G278134		1.62	<0.005		<0.2	5.01	8	<10	10	<0.5	<2	5.08	<0.5	36	83	76



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G278127		7.75	<10	<1	0.24	<10	2.70	1490	<1	0.03	25	710	2	3.27	3	23
G278128		7.27	<10	<1	0.19	<10	2.52	1440	<1	0.03	24	400	3	5.07	4	20
G278129		7.17	<10	<1	0.14	<10	1.36	970	<1	0.03	22	300	2	6.59	5	11
G278130		0.05	<10	<1	<0.01	<10	1.76	31	<1	0.03	<1	20	<2	0.09	<2	<1
G278131		6.88	<10	<1	0.11	<10	0.85	642	<1	0.03	20	180	2	6.38	3	9
G278132		8.96	10	<1	0.07	<10	3.23	1420	<1	0.03	42	580	3	2.15	6	26
G278133		7.36	10	<1	0.14	<10	2.84	1710	<1	0.03	37	420	2	2.84	4	25
G278134		7.80	10	<1	0.01	<10	3.49	1380	<1	0.03	43	700	2	0.22	2	25



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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12166587**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G278127		234	<20	0.02	<10	<10	34	<10	68
G278128		271	<20	0.01	<10	<10	26	<10	40
G278129		146	<20	0.01	<10	<10	23	<10	18
G278130		4600	20	0.01	<10	<10	1	<10	<2
G278131		89	<20	0.02	<10	<10	24	<10	12
G278132		157	<20	0.21	<10	<10	206	<10	93
G278133		173	<20	0.02	<10	<10	129	<10	61
G278134		90	<20	0.18	<10	<10	254	<10	92



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**CERTIFICATE TR12181716**

Project: CMV12-01  
 P.O. No.: CMV12-01\_24  
 This report is for 1 Other sample submitted to our lab in Terrace, BC, Canada on 6-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
BAG-01	Bulk Master for Storage
SCR-21	Screen to -100 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12181716**

Sample Description	Method Analyte Units LOR	Au-SCR24 Au Total ppm	Au-SCR24 Au (+) F ppm	Au-SCR24 Au (-) F ppm	Au-SCR24 Au (+) m mg	Au-SCR24 WT. + Fr g	Au-SCR24 WT. - Fr g	Au-AA26 Au ppm	Au-AA26D Au ppm
G278063		33.0	32.0	33.1	0.781	24.43	657.9	33.5	32.6



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**CERTIFICATE TR12166588**

Project: CMV12-01  
 P.O. No.: CMV12-01\_25  
 This report is for 81 Drill Core samples submitted to our lab in Terrace, BC, Canada on 24-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12166588**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278135		5.62	<0.005		<0.2	4.46	32	<10	30	<0.5	<2	6.27	<0.5	38	47	67
G278136		2.25	0.657		0.3	1.83	314	<10	110	<0.5	<2	8.8	<0.5	29	14	60
G278137		4.45	<0.005		<0.2	4.14	25	<10	20	0.5	<2	5.08	<0.5	40	43	51
G278138		1.69	0.046		<0.2	1.11	245	10	100	<0.5	<2	6.69	<0.5	46	12	46
G278139		2.23	1.170		<0.2	0.93	2470	10	80	<0.5	<2	6.37	<0.5	33	9	24
G278140		0.07	9.58	9.79	1.0	1.59	4150	<10	60	0.5	<2	0.89	<0.5	15	70	67
G278141		4.16	<0.005		<0.2	3.50	12	<10	20	<0.5	<2	5.87	<0.5	35	34	62
G278142		4.53	<0.005		<0.2	4.13	13	<10	20	0.6	<2	7.5	<0.5	34	34	41
G278143		5.26	<0.005		<0.2	3.10	40	<10	40	<0.5	<2	6.53	<0.5	34	38	53
G278144		1.32	3.34		0.5	1.03	>10000	<10	90	<0.5	<2	6.44	<0.5	36	12	23
G278145		2.22	2.84		0.8	0.16	1800	<10	20	<0.5	<2	5.55	<0.5	13	9	14
G278146		2.28	3.32		0.5	0.68	231	<10	70	<0.5	<2	5.85	<0.5	35	20	65
G278147		2.25	<0.005		0.3	4.21	63	<10	10	<0.5	<2	5.91	<0.5	37	92	79
G278148		4.58	<0.005		0.3	4.97	33	<10	10	<0.5	<2	5.72	<0.5	40	53	76
G278149		5.05	<0.005		0.3	4.59	7	<10	10	<0.5	<2	6.17	<0.5	39	38	61
G278150		0.56	<0.005		0.3	0.10	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	1	4
G278151		1.62	<0.005		0.2	3.56	16	<10	420	0.5	<2	6.76	<0.5	32	30	48
G278152		2.92	0.045		<0.2	0.94	166	<10	50	<0.5	<2	6.60	<0.5	34	11	42
G278153		3.54	0.816		0.3	0.70	1210	<10	50	<0.5	<2	8.2	<0.5	30	12	28
G278154		4.45	<0.005		0.4	2.48	81	<10	10	<0.5	<2	6.24	<0.5	33	48	56
G278155		4.54	0.007		0.4	0.82	110	<10	30	<0.5	<2	5.37	<0.5	31	16	81
G278156		3.28	0.227		0.4	0.86	274	<10	70	<0.5	<2	5.13	<0.5	37	15	59
G278157		3.82	0.018		0.3	1.39	124	<10	30	<0.5	<2	5.68	<0.5	34	14	77
G278158		4.18	<0.005		0.3	2.62	52	<10	10	<0.5	<2	5.73	<0.5	36	43	65
G278159		1.97	0.281		0.7	1.17	698	<10	50	<0.5	<2	8.7	<0.5	33	14	52
G278160		0.07	0.260		0.4	0.37	477	10	890	<0.5	<2	1.13	0.5	3	42	42
G278161		3.16	1.235		0.4	0.52	738	<10	70	<0.5	<2	11.5	<0.5	29	9	8
G278162		4.80	2.56		0.4	0.63	774	<10	70	<0.5	<2	9.1	<0.5	31	9	30
G278163		1.39	0.976		0.4	0.43	3020	<10	40	1.5	<2	21.9	<0.5	14	5	38
G278164		4.65	0.327		0.3	0.51	452	<10	60	<0.5	<2	10.2	<0.5	28	8	55
G278165		4.36	0.005		0.2	2.15	82	<10	30	<0.5	<2	7.0	<0.5	32	33	66
G278166		2.59	<0.005		<0.2	3.49	68	<10	10	0.5	<2	9.6	<0.5	33	56	66
G278167		1.68	<0.005		<0.2	4.16	93	<10	10	<0.5	<2	5.20	<0.5	40	66	78
G278168		1.20	<0.005		0.3	1.41	54	<10	20	0.8	<2	18.9	<0.5	24	26	9
G278169		3.53	<0.005		0.4	1.89	40	<10	30	1.1	<2	20.6	<0.5	19	26	19
G278170		0.57	<0.005		0.3	0.04	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	3
G278171		2.55	<0.005		<0.2	2.87	50	<10	10	0.7	<2	9.2	<0.5	31	52	56
G278172		1.47	<0.005		0.4	1.28	18	<10	30	<0.5	<2	16.5	<0.5	10	20	13
G278173		3.43	<0.005		0.2	3.55	31	<10	40	0.5	<2	9.5	<0.5	32	62	75
G278174		2.07	<0.005		0.2	2.48	54	<10	140	0.6	<2	4.28	<0.5	46	57	87



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12166588**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G278135		10.30	20	<1	<0.01	<10	2.90	1675	<1	0.02	50	800	3	0.13	<2	33
G278136		7.01	<10	<1	0.15	<10	1.95	1685	<1	0.02	30	710	2	0.88	<2	24
G278137		10.25	10	<1	0.07	<10	2.90	1440	<1	0.02	45	880	2	0.02	<2	34
G278138		5.86	<10	<1	0.32	<10	1.94	1565	<1	0.04	65	1140	<2	0.17	<2	29
G278139		8.66	<10	<1	0.28	<10	2.12	1585	<1	0.03	30	1120	2	2.77	<2	25
G278140		3.73	10	<1	0.18	10	0.90	404	6	0.08	65	500	7	0.93	35	5
G278141		10.85	10	<1	0.05	<10	2.42	1605	<1	0.04	30	1200	2	0.10	<2	33
G278142		10.05	20	<1	0.04	<10	2.45	1545	<1	0.04	25	1030	2	0.06	<2	33
G278143		8.40	10	<1	0.10	<10	2.84	1410	<1	0.02	30	750	2	0.19	<2	27
G278144		9.18	<10	<1	0.34	<10	2.53	1420	<1	0.03	32	780	2	4.61	2	24
G278145		4.52	<10	<1	0.06	<10	1.17	855	1	0.01	23	280	10	3.51	7	10
G278146		6.82	<10	<1	0.26	<10	3.55	1355	<1	0.02	46	380	<2	0.65	<2	22
G278147		8.21	10	<1	0.02	<10	3.89	1280	<1	0.03	44	540	2	0.05	<2	32
G278148		10.20	20	<1	<0.01	<10	3.45	1380	<1	0.03	32	960	2	0.32	2	33
G278149		9.99	20	1	<0.01	<10	2.97	1495	<1	0.02	25	1040	<2	0.44	<2	28
G278150		0.16	<10	<1	<0.01	<10	1.77	43	<1	0.02	<1	50	<2	0.07	2	1
G278151		8.19	10	<1	0.06	<10	2.43	1655	<1	0.03	22	900	<2	0.21	2	25
G278152		7.63	<10	<1	0.20	<10	3.21	1520	<1	0.03	35	580	2	0.07	2	23
G278153		6.89	<10	<1	0.17	<10	2.82	1405	<1	0.02	33	480	<2	1.36	3	20
G278154		8.07	10	<1	0.08	<10	3.36	1330	<1	0.07	40	640	<2	0.11	<2	27
G278155		7.88	<10	<1	0.15	<10	3.25	1260	<1	0.06	34	600	<2	0.06	6	26
G278156		8.63	<10	<1	0.21	<10	3.32	1320	<1	0.03	40	620	<2	0.45	4	26
G278157		8.19	<10	<1	0.12	<10	3.12	1370	<1	0.05	38	750	<2	0.17	20	26
G278158		8.53	10	<1	0.09	<10	3.58	1415	<1	0.06	39	660	<2	0.17	3	29
G278159		7.14	<10	<1	0.17	<10	3.25	1370	<1	0.03	35	670	<2	0.75	3	23
G278160		4.24	<10	4	0.09	<10	0.03	77	14	0.03	15	140	14	0.22	29	1
G278161		6.75	<10	<1	0.24	<10	3.11	1675	<1	0.03	29	190	<2	3.31	3	23
G278162		7.47	<10	<1	0.28	<10	3.09	1485	<1	0.03	35	280	2	3.24	<2	21
G278163		4.01	<10	<1	0.14	<10	1.41	997	<1	0.02	17	190	<2	0.81	3	9
G278164		6.39	<10	<1	0.22	<10	2.82	1400	<1	0.03	32	530	<2	0.47	2	18
G278165		7.15	10	<1	0.07	<10	3.06	1200	<1	0.04	32	610	<2	0.09	2	29
G278166		7.65	10	<1	0.03	<10	3.33	1250	<1	0.02	35	610	<2	0.03	2	29
G278167		8.98	10	<1	0.03	<10	4.06	1315	<1	0.02	47	710	<2	0.17	2	35
G278168		4.64	<10	<1	0.01	<10	1.85	1600	<1	0.02	24	420	<2	0.03	2	23
G278169		5.29	10	<1	0.01	<10	1.68	1455	<1	0.02	26	320	<2	0.05	<2	19
G278170		0.06	<10	<1	<0.01	<10	2.02	34	<1	0.02	<1	40	<2	0.06	<2	<1
G278171		6.53	10	<1	0.01	<10	1.99	1385	<1	0.02	28	590	<2	0.15	2	31
G278172		8.26	<10	<1	0.01	<10	5.53	3880	<1	0.02	12	230	<2	0.08	<2	46
G278173		7.74	10	<1	0.02	<10	3.47	1535	<1	0.03	37	500	<2	0.16	<2	27
G278174		7.57	10	<1	0.02	<10	1.53	1700	<1	0.02	54	790	<2	0.52	3	36





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**CERTIFICATE OF ANALYSIS TR12166588**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G278135		151	<20	0.02	<10	<10	325	<10	124
G278136		153	<20	<0.01	<10	<10	72	<10	87
G278137		107	<20	0.01	<10	<10	250	<10	128
G278138		146	<20	<0.01	<10	<10	60	<10	90
G278139		184	<20	<0.01	<10	<10	53	<10	68
G278140		42	<20	0.11	<10	<10	52	40	53
G278141		126	<20	0.01	<10	<10	295	<10	136
G278142		111	<20	0.03	<10	<10	331	<10	139
G278143		93	<20	0.01	<10	<10	180	<10	115
G278144		188	<20	<0.01	<10	<10	53	<10	74
G278145		136	<20	<0.01	<10	<10	13	<10	18
G278146		163	<20	<0.01	<10	<10	32	<10	64
G278147		91	<20	0.03	<10	<10	268	<10	101
G278148		84	<20	0.14	<10	<10	376	<10	119
G278149		100	<20	0.10	<10	<10	333	<10	120
G278150		5130	20	<0.01	<10	<10	5	<10	<2
G278151		132	<20	0.03	<10	<10	270	<10	99
G278152		137	<20	<0.01	<10	<10	32	<10	71
G278153		207	<20	<0.01	<10	<10	28	<10	49
G278154		66	<20	0.01	<10	<10	128	<10	87
G278155		88	<20	<0.01	<10	<10	41	<10	98
G278156		112	<20	<0.01	<10	<10	47	<10	76
G278157		110	<20	<0.01	<10	<10	40	<10	77
G278158		100	<20	0.01	<10	<10	128	<10	90
G278159		199	<20	<0.01	<10	<10	41	<10	60
G278160		74	<20	0.01	10	<10	29	10	25
G278161		305	<20	<0.01	<10	<10	34	<10	33
G278162		227	<20	<0.01	<10	<10	35	<10	35
G278163		148	<20	<0.01	<10	<10	22	<10	21
G278164		171	<20	<0.01	<10	<10	26	<10	60
G278165		70	<20	<0.01	<10	<10	106	<10	89
G278166		101	<20	0.01	<10	<10	213	<10	96
G278167		110	<20	<0.01	<10	<10	251	<10	107
G278168		77	<20	<0.01	<10	<10	123	<10	68
G278169		84	<20	<0.01	<10	<10	120	<10	51
G278170		4980	20	<0.01	<10	<10	1	<10	<2
G278171		72	<20	0.01	<10	<10	226	<10	96
G278172		150	<20	<0.01	<10	<10	116	<10	43
G278173		97	<20	0.09	<10	<10	195	<10	87
G278174		95	<20	<0.01	<10	<10	254	<10	124



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**CERTIFICATE OF ANALYSIS TR12166588**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278175		2.21	0.007		0.4	2.63	61	<10	150	0.6	<2	4.45	<0.5	48	60	90
G278176		4.62	0.068		0.2	2.35	346	<10	30	0.6	<2	5.53	<0.5	35	43	77
G278177		3.44	1.695		0.7	0.82	949	10	70	<0.5	<2	7.9	<0.5	36	14	51
G278178		2.12	0.578		0.2	0.51	2640	<10	30	<0.5	<2	5.61	<0.5	16	12	15
G278179		4.29	0.299		0.7	1.49	720	<10	70	0.6	<2	7.6	<0.5	38	12	30
G278180		0.07	0.686		2.3	0.69	29	<10	70	<0.5	<2	2.02	0.7	8	31	7370
G278181		4.61	0.086		0.2	1.21	150	<10	40	<0.5	<2	6.46	<0.5	33	13	44
G278182		3.53	0.131		<0.2	1.66	556	<10	30	<0.5	<2	5.94	<0.5	35	15	63
G278183		3.01	0.075		0.2	0.98	155	<10	30	<0.5	<2	6.13	<0.5	25	10	49
G278184		4.51	1.510		0.6	0.72	1040	<10	60	<0.5	<2	7.2	<0.5	31	8	41
G278185		4.57	1.930		0.4	0.38	2780	<10	60	<0.5	<2	6.45	<0.5	30	7	20
G278186		2.51	1.275		0.5	1.37	930	<10	70	<0.5	<2	7.3	<0.5	31	18	31
G278187		2.98	<0.005		<0.2	2.82	27	<10	20	<0.5	<2	6.58	<0.5	36	77	69
G278188		4.30	<0.005		<0.2	0.84	59	<10	20	<0.5	<2	7.5	<0.5	31	46	63
G278189		4.16	<0.005		<0.2	0.94	129	<10	30	<0.5	<2	6.79	<0.5	30	31	60
G278190		0.56	<0.005		<0.2	0.04	<2	<10	<10	<0.5	<2	>25.0	<0.5	1	1	1
G278191		4.41	<0.005		<0.2	0.76	172	<10	40	<0.5	<2	7.22	<0.5	31	28	49
G278192		3.81	0.111		0.2	0.69	214	<10	40	<0.5	<2	6.08	<0.5	33	20	63
G278193		2.12	0.335		<0.2	0.64	478	<10	70	<0.5	<2	9.5	<0.5	25	20	25
G278194		2.70	0.050		<0.2	0.64	191	<10	60	<0.5	<2	7.8	<0.5	29	22	57
G278195		2.74	0.290		0.3	0.59	427	<10	80	<0.5	<2	6.68	<0.5	33	21	46
G278196		4.40	<0.005		0.2	0.61	113	<10	20	<0.5	<2	6.27	<0.5	31	24	66
G278197		4.50	0.159		1.7	0.62	198	<10	60	<0.5	<2	5.92	<0.5	31	25	96
G278198		3.33	3.77		0.4	0.68	498	<10	60	<0.5	<2	6.33	<0.5	33	19	83
G278199		4.41	0.214		<0.2	0.76	164	<10	50	<0.5	<2	5.89	<0.5	33	9	59
G278200		0.07	3.44		4.2	1.52	275	<10	430	<0.5	<2	1.34	1.4	9	53	77
G278201		4.53	0.668		0.5	0.62	699	<10	60	<0.5	<2	8.3	<0.5	31	10	38
G278202		2.14	0.483		<0.2	0.93	3220	<10	60	<0.5	<2	8.1	<0.5	35	11	26
G278203		4.65	<0.005		<0.2	3.04	80	<10	20	<0.5	<2	6.33	<0.5	33	45	64
G278204		3.71	<0.005		<0.2	3.97	54	<10	20	<0.5	<2	5.65	<0.5	33	66	58
G278205		3.22	<0.005		<0.2	4.30	45	<10	30	1.0	<2	1.77	<0.5	48	71	70
G278206		2.81	<0.005		<0.2	5.72	11	<10	30	<0.5	<2	5.47	<0.5	36	78	63
G278207		2.59	0.188		0.3	1.38	120	<10	90	0.5	<2	6.47	<0.5	34	46	64
G278208		3.92	1.160		<0.2	0.71	785	<10	90	0.5	<2	8.1	<0.5	35	9	42
G278209		3.25	<0.005		<0.2	2.85	55	<10	20	<0.5	<2	6.02	<0.5	35	33	56
G278210		0.55	<0.005		<0.2	0.08	4	<10	<10	<0.5	<2	>25.0	<0.5	1	<1	1
G278211		3.84	<0.005		<0.2	2.69	23	<10	30	<0.5	<2	7.9	<0.5	34	26	51
G278212		4.63	<0.005		<0.2	2.15	63	<10	60	0.5	<2	6.18	<0.5	33	30	67
G278213		4.27	0.815		0.3	2.15	547	<10	60	<0.5	<2	6.83	<0.5	37	21	43
G278214		1.58	0.011		<0.2	1.21	96	<10	550	0.5	<2	8.7	<0.5	32	9	52



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**CERTIFICATE OF ANALYSIS TR12166588**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G278175		7.46	10	1	0.02	<10	1.64	1570	<1	0.02	55	850	<2	0.49	4	37
G278176		8.39	10	1	0.05	<10	2.45	1620	<1	0.02	39	590	<2	0.12	<2	30
G278177		7.72	<10	<1	0.25	<10	3.20	1520	<1	0.03	39	620	<2	0.37	3	25
G278178		5.03	<10	<1	0.11	<10	2.20	983	<1	0.02	19	200	<2	0.84	4	16
G278179		8.91	<10	<1	0.23	<10	3.78	1445	<1	0.03	42	560	<2	0.91	3	25
G278180		7.04	<10	2	0.29	<10	0.93	928	8	0.06	15	640	23	2.83	26	3
G278181		7.52	<10	<1	0.13	<10	3.22	1275	<1	0.05	39	610	2	0.28	5	23
G278182		8.42	<10	<1	0.12	<10	3.14	1270	<1	0.07	41	630	<2	0.61	10	26
G278183		6.09	<10	<1	0.12	<10	2.73	1300	<1	0.03	27	630	<2	0.44	6	22
G278184		7.26	<10	<1	0.24	<10	2.79	1450	<1	0.03	31	320	2	4.52	2	23
G278185		6.83	<10	<1	0.22	<10	2.72	1320	<1	0.03	31	250	<2	4.74	<2	20
G278186		8.01	<10	<1	0.19	<10	2.79	1345	<1	0.03	32	270	2	4.24	3	21
G278187		5.70	10	<1	0.03	<10	1.92	1065	<1	0.03	47	520	<2	0.27	<2	31
G278188		5.31	<10	<1	0.15	<10	3.45	1350	<1	0.10	49	350	<2	0.04	<2	26
G278189		6.00	<10	<1	0.16	<10	3.35	1195	<1	0.12	53	330	<2	0.13	<2	22
G278190		0.05	<10	1	<0.01	<10	1.79	29	<1	0.03	<1	40	<2	0.15	<2	<1
G278191		6.30	<10	1	0.21	<10	3.87	1470	<1	0.10	60	340	<2	0.09	7	23
G278192		6.40	<10	<1	0.18	<10	3.57	1260	<1	0.05	57	360	<2	0.72	9	20
G278193		5.58	<10	<1	0.26	<10	3.30	1485	<1	0.04	47	220	<2	2.31	<2	19
G278194		6.31	<10	<1	0.23	<10	3.40	1320	<1	0.05	52	350	<2	0.44	<2	22
G278195		6.40	<10	<1	0.29	<10	3.41	1280	<1	0.04	58	330	<2	1.99	<2	19
G278196		6.16	<10	<1	0.15	<10	3.80	1165	<1	0.09	56	360	<2	0.06	<2	23
G278197		6.02	<10	<1	0.22	<10	3.32	1185	<1	0.06	60	330	<2	0.48	26	23
G278198		6.78	<10	<1	0.21	<10	3.07	1200	<1	0.04	50	360	<2	2.14	<2	22
G278199		7.81	<10	<1	0.24	<10	3.08	1335	<1	0.07	29	530	2	0.58	<2	25
G278200		3.40	<10	5	0.14	10	0.80	456	13	0.08	40	770	303	0.66	27	4
G278201		7.47	<10	<1	0.24	<10	3.27	1490	1	0.06	37	670	<2	3.09	<2	25
G278202		8.52	<10	<1	0.29	<10	3.81	1600	2	0.04	42	1240	<2	1.61	<2	23
G278203		7.70	10	1	0.10	<10	3.37	1470	<1	0.04	40	680	<2	0.16	<2	28
G278204		7.86	10	1	0.03	<10	2.90	1210	<1	0.04	40	650	<2	0.17	<2	33
G278205		10.15	10	1	0.02	<10	2.07	572	<1	0.02	64	750	<2	0.76	4	37
G278206		10.05	20	<1	0.01	<10	4.00	1360	<1	0.02	46	730	<2	0.14	<2	30
G278207		5.82	<10	<1	0.07	<10	2.46	1675	<1	0.02	43	750	5	0.93	<2	31
G278208		7.31	<10	<1	0.32	<10	3.04	1485	<1	0.04	39	550	<2	2.24	<2	24
G278209		8.11	10	<1	0.09	<10	3.11	1425	<1	0.06	30	710	<2	0.17	<2	31
G278210		0.08	<10	<1	0.01	<10	1.78	40	<1	0.03	<1	30	<2	0.15	<2	<1
G278211		8.26	10	<1	0.11	<10	3.22	1585	<1	0.06	27	770	<2	0.23	<2	26
G278212		8.87	10	<1	0.06	<10	2.23	1705	<1	0.03	30	820	<2	0.28	<2	29
G278213		8.46	<10	<1	0.17	<10	2.89	1580	<1	0.03	32	760	3	2.62	<2	27
G278214		5.50	<10	<1	0.23	<10	2.69	1405	<1	0.03	25	780	<2	0.24	<2	28



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**CERTIFICATE OF ANALYSIS TR12166588**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G278175		101	<20	<0.01	<10	<10	268	<10	113
G278176		83	<20	<0.01	<10	<10	182	<10	93
G278177		140	<20	<0.01	<10	<10	44	<10	71
G278178		164	<20	<0.01	<10	<10	31	<10	27
G278179		225	<20	<0.01	<10	<10	43	<10	68
G278180		67	<20	0.04	<10	<10	41	<10	104
G278181		153	<20	<0.01	<10	<10	35	<10	74
G278182		93	<20	<0.01	<10	<10	50	<10	85
G278183		120	<20	<0.01	<10	<10	33	<10	50
G278184		245	<20	<0.01	<10	<10	33	<10	39
G278185		272	<20	<0.01	<10	<10	23	<10	34
G278186		190	<20	<0.01	<10	<10	78	<10	55
G278187		59	<20	0.01	<10	<10	200	<10	92
G278188		56	<20	<0.01	<10	<10	46	<10	76
G278189		67	<20	<0.01	<10	<10	41	<10	63
G278190		4850	20	<0.01	<10	10	1	<10	<2
G278191		117	<20	<0.01	<10	<10	35	<10	62
G278192		117	<20	<0.01	<10	<10	26	<10	64
G278193		206	<20	<0.01	<10	<10	29	<10	34
G278194		103	<20	<0.01	<10	<10	32	<10	60
G278195		153	<20	<0.01	<10	<10	27	<10	49
G278196		85	<20	<0.01	<10	<10	32	<10	69
G278197		107	<20	<0.01	<10	<10	34	<10	60
G278198		168	<20	<0.01	<10	<10	39	<10	65
G278199		95	<20	<0.01	<10	<10	52	<10	84
G278200		37	<20	0.10	<10	<10	59	<10	271
G278201		200	<20	<0.01	<10	<10	39	<10	49
G278202		177	<20	<0.01	<10	<10	42	<10	55
G278203		93	<20	0.01	<10	<10	164	<10	88
G278204		78	<20	0.02	<10	<10	263	<10	104
G278205		33	<20	0.01	<10	<10	280	<10	120
G278206		95	<20	0.02	<10	<10	283	<10	104
G278207		113	<20	<0.01	<10	<10	197	<10	82
G278208		193	<20	<0.01	<10	<10	39	<10	41
G278209		80	<20	0.01	<10	<10	214	<10	101
G278210		4610	20	<0.01	<10	10	1	<10	<2
G278211		95	<20	0.01	<10	<10	190	<10	98
G278212		83	<20	0.01	<10	<10	241	<10	120
G278213		169	<20	0.01	<10	<10	137	<10	77
G278214		184	<20	<0.01	<10	<10	80	<10	108



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**CERTIFICATE OF ANALYSIS TR12166588**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
G278215		3.11	<0.005	0.05	<0.2	0.01	2	10	380	<0.5	<2	0.01	0.5	1	1	1



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**CERTIFICATE OF ANALYSIS TR12166588**

Sample Description	Method Analyte Units LOR	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm
G278215		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
		1.76	<10	<1	0.22	10	0.61	595	<1	0.01	26	150	8	0.23	<2	2



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**CERTIFICATE OF ANALYSIS TR12166588**

Sample Description	Method Analyte Units LOR	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
G278215		15	<20	<0.01	<10	<10	13	<10	54



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**CERTIFICATE TR12174478**

Project: CMV12-01  
 P.O. No.: CMV12-01\_26  
 This report is for 49 Drill Core samples submitted to our lab in Terrace, BC, Canada on 1-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager





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**CERTIFICATE OF ANALYSIS TR12174478**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278216		2.43	9.27	8.77	0.8	0.84	1735	<10	60	<0.5	2	6.49	<0.5	36	12	48
G278217		2.12	0.145		0.4	1.13	1575	<10	20	<0.5	3	4.97	<0.5	33	10	42
G278218		2.62	0.008		<0.2	3.98	45	<10	10	<0.5	3	5.30	<0.5	37	43	71
G278219		2.55	2.11		0.9	1.23	2050	<10	50	0.5	2	9.2	<0.5	31	8	26
G278220		0.07	9.40	9.63	0.6	1.53	3900	<10	60	0.5	3	0.82	<0.5	14	68	65
G278221		3.08	0.531		0.4	1.57	360	<10	40	<0.5	3	8.2	<0.5	31	15	77
G278222		2.77	0.019		<0.2	2.22	79	<10	60	0.8	3	7.14	<0.5	34	29	50
G278223		3.00	0.136		0.4	1.47	332	<10	50	0.5	3	9.4	<0.5	33	14	43
G278224		3.34	0.312		0.5	2.46	288	<10	70	0.5	2	8.0	<0.5	41	26	51
G278225		<0.02	0.310		0.4	2.45	312	<10	70	0.5	3	7.7	<0.5	42	26	48
G278226		3.55	0.008		0.4	3.35	76	<10	70	<0.5	3	5.51	<0.5	36	39	55
G278227		4.48	<0.005		<0.2	3.78	42	<10	30	<0.5	2	5.30	<0.5	38	54	64
G278228		1.86	0.027		0.3	1.82	290	<10	70	0.5	3	5.92	<0.5	32	45	54
G278229		2.93	0.072		0.4	2.30	234	<10	40	0.5	3	10.8	<0.5	27	29	35
G278230		0.53	<0.005		<0.2	0.05	2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	1
G278231		1.85	0.567		0.3	2.01	587	<10	20	<0.5	<2	5.47	<0.5	36	20	63
G278232		2.55	0.009		<0.2	4.54	64	<10	10	<0.5	<2	5.98	<0.5	39	59	97
G278233		4.23	<0.005		0.3	1.66	4	<10	60	0.5	3	4.13	<0.5	39	29	76
G278234		2.60	<0.005		<0.2	1.43	5	<10	70	0.7	2	2.25	<0.5	38	19	76
G278235		2.40	<0.005		<0.2	4.28	2	<10	30	0.8	2	3.91	<0.5	56	29	80
G278236		3.65	<0.005		<0.2	1.66	18	<10	40	0.6	3	3.84	<0.5	47	20	81
G278237		2.82	<0.005		<0.2	2.66	<2	<10	40	0.7	2	4.37	<0.5	50	37	79
G278238		4.78	<0.005		<0.2	1.82	49	<10	60	0.8	<2	8.6	<0.5	33	45	63
G278239		3.21	0.045		<0.2	0.98	326	<10	90	0.6	<2	15.5	<0.5	22	16	43
G278240		0.08	0.270		0.4	0.44	486	<10	390	<0.5	<2	1.05	<0.5	2	44	41
G278241		2.56	0.037		0.3	1.55	410	<10	80	0.6	2	12.5	<0.5	33	36	58
G278242		4.54	0.116		<0.2	3.10	163	<10	110	0.7	<2	5.74	<0.5	41	52	72
G278243		4.50	<0.005		0.2	3.34	93	<10	30	<0.5	2	6.09	<0.5	40	55	79
G278244		4.45	<0.005		<0.2	4.56	63	<10	10	<0.5	2	6.24	<0.5	37	73	61
G278245		4.41	0.008		<0.2	2.11	120	<10	40	<0.5	2	7.10	<0.5	35	35	76
G278246		4.13	0.042		<0.2	2.93	114	<10	50	<0.5	<2	7.3	<0.5	35	45	59
G278247		2.57	<0.005		<0.2	4.80	45	<10	10	<0.5	<2	6.19	<0.5	35	78	70
G278248		1.15	0.007		<0.2	2.25	56	<10	160	0.5	<2	8.1	<0.5	30	37	55
G278249		3.83	<0.005		<0.2	4.97	78	<10	10	<0.5	<2	6.48	0.5	36	48	85
G278250		0.49	<0.005		0.2	0.07	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	1
G278251		4.67	0.008		<0.2	3.55	117	<10	20	<0.5	2	6.96	1.2	38	35	98
G278252		4.51	0.018		<0.2	1.01	584	<10	40	<0.5	<2	6.33	<0.5	40	16	80
G278253		1.88	1.000		0.2	0.38	>10000	<10	50	<0.5	<2	3.80	<0.5	19	9	38
G278254		3.62	0.049		0.2	2.21	275	<10	50	<0.5	<2	6.48	<0.5	35	28	73
G278255		3.62	<0.005		0.2	2.98	62	<10	10	<0.5	2	5.04	<0.5	36	81	71



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	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G278216		7.77	<10	<1	0.17	<10	2.63	1700	<1	0.02	24	640	4	3.68	<2	25
G278217		8.13	<10	<1	0.08	<10	2.19	1450	<1	0.02	21	960	<2	0.58	<2	24
G278218		9.48	10	<1	0.04	<10	3.42	1490	<1	0.03	29	710	2	0.17	<2	33
G278219		8.83	<10	<1	0.18	<10	2.61	1605	<1	0.02	26	810	2	4.24	2	23
G278220		3.55	10	<1	0.16	10	0.86	385	6	0.06	60	480	5	0.89	32	5
G278221		7.40	<10	<1	0.14	<10	2.91	1540	<1	0.02	26	710	3	1.43	<2	25
G278222		8.02	10	<1	0.08	<10	2.72	1530	<1	0.01	26	490	<2	0.25	<2	31
G278223		7.38	<10	<1	0.12	<10	2.86	1715	<1	0.02	23	680	<2	0.55	<2	26
G278224		8.73	10	<1	0.14	<10	3.39	1660	<1	0.02	38	690	2	0.96	2	32
G278225		8.63	10	<1	0.15	<10	3.32	1615	<1	0.02	39	700	4	1.06	<2	31
G278226		8.65	10	<1	0.09	<10	3.41	1490	<1	0.03	31	560	<2	0.12	<2	33
G278227		8.20	10	<1	0.06	<10	3.55	1540	<1	0.03	33	550	<2	0.15	<2	32
G278228		6.48	10	<1	0.07	<10	2.46	1410	<1	0.01	33	640	2	0.17	<2	31
G278229		6.73	10	1	0.07	<10	2.71	1400	<1	0.02	24	560	2	0.43	<2	22
G278230		0.06	<10	1	<0.01	<10	1.70	32	<1	0.02	<1	30	<2	0.05	<2	<1
G278231		8.63	10	1	0.11	<10	2.39	1475	<1	0.01	37	820	<2	0.54	2	26
G278232		8.34	20	1	0.01	<10	3.25	1485	<1	0.03	33	590	<2	0.30	<2	29
G278233		7.81	10	1	<0.01	<10	1.31	2140	<1	0.01	30	700	<2	0.40	3	36
G278234		9.65	<10	1	0.01	<10	1.17	1810	<1	0.01	27	700	<2	0.46	3	38
G278235		9.44	10	1	0.02	<10	1.94	1020	<1	0.01	41	760	<2	0.75	5	40
G278236		7.72	10	1	0.03	<10	1.21	2070	<1	0.01	33	780	<2	0.74	3	37
G278237		6.82	10	2	0.01	<10	1.28	1355	<1	0.02	40	840	<2	0.63	2	41
G278238		5.85	10	1	0.05	<10	2.28	1805	<1	0.01	35	660	<2	0.24	3	33
G278239		6.43	<10	1	0.13	<10	3.50	1995	<1	0.02	25	870	<2	0.68	2	22
G278240		3.90	<10	4	0.10	10	0.03	76	14	0.03	15	160	13	0.23	28	1
G278241		6.93	<10	1	0.09	<10	3.55	1970	<1	0.02	37	1700	<2	0.47	3	31
G278242		8.77	10	2	0.12	<10	2.38	1150	<1	0.02	46	730	<2	0.77	3	33
G278243		8.17	10	1	0.06	<10	3.51	1440	<1	0.03	42	700	<2	0.24	<2	34
G278244		8.17	20	1	0.01	<10	3.71	1445	<1	0.04	40	710	<2	0.19	3	36
G278245		7.05	10	<1	0.12	<10	3.02	1500	<1	0.02	38	640	<2	0.18	2	25
G278246		7.40	10	1	0.13	<10	3.26	1420	<1	0.02	38	660	<2	0.17	2	23
G278247		7.83	20	1	<0.01	<10	3.54	1400	<1	0.03	40	720	<2	0.16	<2	35
G278248		6.56	10	1	0.13	<10	3.12	1565	<1	0.02	33	590	<2	0.19	<2	28
G278249		9.00	20	1	<0.01	<10	3.35	1635	<1	0.03	31	850	<2	0.61	<2	33
G278250		0.08	<10	1	<0.01	<10	1.77	35	<1	0.02	<1	40	2	0.08	<2	<1
G278251		8.30	10	2	0.07	<10	3.20	1730	<1	0.03	31	740	<2	0.67	<2	29
G278252		6.77	<10	1	0.15	<10	3.27	1570	<1	0.03	42	420	<2	0.31	<2	25
G278253		4.68	<10	1	0.08	<10	1.22	652	<1	0.01	19	150	<2	1.84	7	9
G278254		8.14	10	<1	0.13	<10	3.34	1790	<1	0.03	36	810	<2	0.34	<2	29
G278255		7.77	10	1	0.01	<10	3.56	1585	<1	0.04	37	570	<2	0.26	4	33



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G278216		240	<20	<0.01	<10	<10	62	<10	64
G278217		86	<20	<0.01	<10	<10	53	<10	90
G278218		87	<20	<0.01	<10	<10	221	<10	104
G278219		189	<20	<0.01	<10	<10	70	<10	68
G278220		40	<20	0.11	<10	<10	51	40	50
G278221		157	<20	<0.01	<10	<10	92	<10	73
G278222		116	<20	<0.01	<10	<10	156	<10	86
G278223		142	<20	<0.01	<10	<10	123	<10	83
G278224		152	<20	<0.01	<10	<10	139	<10	71
G278225		151	<20	<0.01	<10	<10	138	<10	70
G278226		73	<20	<0.01	<10	<10	206	<10	96
G278227		89	<20	0.08	<10	<10	221	<10	97
G278228		80	<20	<0.01	<10	<10	199	<10	78
G278229		102	<20	<0.01	<10	<10	145	<10	72
G278230		4670	20	<0.01	<10	<10	2	<10	<2
G278231		105	<20	<0.01	<10	<10	126	<10	103
G278232		88	<20	0.14	<10	<10	309	<10	107
G278233		42	<20	0.01	<10	<10	263	<10	128
G278234		30	<20	0.01	<10	<10	277	<10	147
G278235		59	<20	<0.01	<10	<10	331	<10	93
G278236		48	<20	<0.01	<10	<10	290	<10	177
G278237		86	<20	0.01	<10	<10	332	<10	154
G278238		93	<20	<0.01	<10	<10	193	<10	88
G278239		207	<20	<0.01	<10	<10	89	<10	50
G278240		87	<20	0.01	10	<10	30	10	24
G278241		210	<20	0.01	<10	<10	145	<10	75
G278242		93	<20	<0.01	<10	<10	212	<10	97
G278243		97	<20	0.02	<10	<10	210	<10	106
G278244		69	<20	0.07	<10	<10	291	<10	102
G278245		110	<20	0.01	<10	<10	132	<10	88
G278246		101	<20	0.02	<10	<10	168	<10	91
G278247		58	<20	0.40	10	<10	314	<10	98
G278248		119	<20	0.10	<10	<10	147	<10	95
G278249		77	<20	0.10	<10	<10	342	<10	211
G278250		5280	30	<0.01	<10	<10	3	<10	<2
G278251		101	<20	0.02	<10	<10	234	<10	318
G278252		120	<20	<0.01	<10	<10	39	<10	150
G278253		82	<20	<0.01	<10	<10	15	<10	28
G278254		110	<20	<0.01	<10	<10	130	<10	105
G278255		63	<20	0.01	<10	<10	268	<10	95



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278256		4.31	<0.005		<0.2	3.96	43	<10	10	<0.5	<2	5.64	<0.5	37	98	77
G278257		3.78	<0.005		<0.2	4.48	17	<10	10	<0.5	<2	5.74	<0.5	36	62	73
G278258		4.67	<0.005		<0.2	4.16	<2	<10	10	<0.5	<2	5.09	<0.5	36	56	65
G278259		3.49	<0.005		<0.2	3.50	52	<10	40	<0.5	<2	6.38	<0.5	38	15	69
G278260		0.07	0.683		2.3	0.73	29	<10	40	<0.5	5	1.87	0.5	8	32	7460
G278261		3.37	0.041		<0.2	3.15	80	10	100	<0.5	2	6.28	<0.5	35	26	68
G278262		1.67	0.015		<0.2	0.40	69	<10	250	<0.5	<2	1.98	<0.5	6	8	45
G278263		2.09	0.049		<0.2	0.38	62	<10	290	<0.5	<2	0.80	<0.5	4	6	81
G278264		1.99	0.012		<0.2	0.34	10	<10	300	<0.5	<2	0.30	<0.5	3	11	59



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	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
Units		%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
LOR		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G278256		7.44	20	1	0.01	<10	3.47	1455	<1	0.03	42	470	<2	0.22	3	34
G278257		7.89	10	1	0.02	<10	3.43	1385	<1	0.02	34	690	<2	0.20	4	32
G278258		8.13	20	1	<0.01	<10	3.24	1390	<1	0.03	31	820	<2	0.17	<2	27
G278259		8.87	10	<1	0.06	<10	2.94	1635	<1	0.02	29	700	<2	0.10	<2	28
G278260		6.51	<10	2	0.29	<10	0.86	914	8	0.05	13	650	20	2.86	24	3
G278261		8.06	10	1	0.11	<10	3.05	1740	<1	0.02	31	630	<2	0.20	<2	27
G278262		1.86	<10	<1	0.17	10	0.71	525	<1	0.01	19	170	6	0.24	<2	3
G278263		1.37	<10	<1	0.16	10	0.34	201	<1	0.01	13	70	2	0.40	<2	2
G278264		0.97	<10	<1	0.14	10	0.18	126	<1	<0.01	12	70	3	0.18	<2	1



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
		1	20	0.01	10	10	1	10	2
G278256		66	<20	0.02	<10	<10	269	<10	93
G278257		79	<20	0.02	<10	<10	288	<10	99
G278258		114	<20	0.12	<10	<10	335	<10	104
G278259		160	<20	<0.01	<10	<10	191	<10	110
G278260		68	<20	0.04	<10	<10	44	<10	103
G278261		133	<20	<0.01	<10	<10	147	<10	102
G278262		39	<20	<0.01	<10	<10	11	<10	43
G278263		18	<20	<0.01	<10	<10	10	<10	26
G278264		7	<20	<0.01	<10	<10	9	<10	31



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**CERTIFICATE TR12174477**

Project: CMV12-01  
 P.O. No.: CMV12-01\_29  
 This report is for 64 Drill Core samples submitted to our lab in Terrace, BC, Canada on 1-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
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<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12174477**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278265		1.05	<0.005		<0.2	4.54	4	<10	10	<0.5	2	5.15	<0.5	40	59	60
G278266		2.42	<0.005		0.3	4.45	7	<10	10	<0.5	<2	5.75	<0.5	39	95	71
G278267		2.72	0.921		0.5	1.60	393	<10	50	<0.5	3	6.90	<0.5	34	29	35
G278268		2.16	3.23		0.8	0.46	2130	10	80	0.6	<2	7.5	<0.5	31	6	19
G278269		3.21	<0.005		<0.2	3.84	22	<10	20	<0.5	2	5.56	<0.5	40	45	79
G278270		0.51	0.008		<0.2	0.04	18	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	1
G278271		1.24	<0.005		<0.2	1.70	4	<10	80	0.7	3	5.07	<0.5	43	77	94
G278272		1.85	0.215		<0.2	1.27	176	<10	100	0.9	<2	4.92	<0.5	43	59	179
G278273		3.99	0.072		<0.2	1.84	173	<10	40	<0.5	<2	7.3	<0.5	33	51	70
G278274		1.05	<0.005		<0.2	4.62	25	<10	10	<0.5	<2	5.82	<0.5	37	124	76
G278275		1.12	<0.005		<0.2	4.53	15	<10	10	<0.5	<2	5.65	<0.5	36	127	66
G278276		3.29	0.090		<0.2	2.99	81	<10	20	<0.5	<2	6.21	<0.5	34	41	71
G278277		2.16	0.014		<0.2	1.94	82	<10	40	<0.5	<2	5.38	<0.5	33	35	53
G278278		1.29	<0.005		<0.2	3.18	<2	10	60	<0.5	<2	2.31	<0.5	37	37	98
G278279		4.10	0.471		0.2	2.61	345	<10	40	0.5	<2	5.60	<0.5	36	46	57
G278280		0.08	3.36		4.0	1.53	288	<10	260	<0.5	<2	1.33	1.5	9	55	78
G278281		2.78	0.089		0.2	2.89	82	<10	20	<0.5	<2	6.35	<0.5	35	51	62
G278282		2.27	1.145		<0.2	0.41	753	<10	60	0.5	2	7.5	<0.5	31	12	33
G278283		2.91	<0.005		<0.2	2.14	89	<10	20	<0.5	2	5.61	<0.5	37	30	60
G278284		2.46	0.127		<0.2	1.25	178	<10	40	<0.5	<2	5.34	<0.5	37	18	71
G278285		0.25	0.430		<0.2	1.04	985	10	90	<0.5	<2	10.6	<0.5	32	13	59
G278286		0.91	0.291		<0.2	2.78	2490	<10	30	<0.5	<2	8.8	<0.5	32	34	58
G278287		2.78	<0.005		<0.2	3.97	77	<10	30	<0.5	<2	8.8	<0.5	33	59	67
G278288		4.87	<0.005		<0.2	4.74	49	<10	10	<0.5	<2	6.19	<0.5	37	75	74
G278289		3.55	<0.005		<0.2	4.78	11	<10	10	<0.5	<2	5.05	<0.5	37	78	80
G278290		0.61	<0.005		0.2	0.05	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	1
G278291		3.90	<0.005		<0.2	4.89	12	<10	10	<0.5	<2	5.79	<0.5	37	78	79
G278292		3.11	<0.005		<0.2	4.71	6	<10	10	<0.5	<2	5.37	<0.5	36	79	77
G278293		3.75	<0.005		0.2	4.92	35	<10	20	<0.5	<2	6.94	<0.5	37	70	75
G278294		3.48	<0.005		<0.2	2.53	73	<10	30	<0.5	<2	7.3	<0.5	34	55	59
G278295		2.22	<0.005		<0.2	2.37	137	<10	20	<0.5	2	7.6	<0.5	34	26	66
G278296		3.56	0.020		<0.2	1.92	169	<10	30	<0.5	<2	5.56	<0.5	35	23	68
G278297		2.40	0.043		<0.2	1.15	211	<10	40	<0.5	<2	7.4	<0.5	33	14	59
G278298		3.67	1.785		0.3	0.92	2750	<10	50	<0.5	<2	8.7	<0.5	30	11	49
G278299		2.76	<0.005		<0.2	1.57	71	<10	10	<0.5	2	5.04	<0.5	35	16	59
G278300		0.07	>10.0	10.10	0.7	1.57	4010	<10	60	0.5	<2	0.85	<0.5	14	69	67
G278301		2.49	0.006		<0.2	2.07	86	<10	10	<0.5	<2	5.43	<0.5	40	28	78
G278302		4.55	<0.005		<0.2	3.19	32	<10	10	<0.5	<2	5.57	<0.5	36	53	59
G278303		2.42	<0.005		0.4	2.32	65	<10	20	<0.5	2	6.01	<0.5	37	37	64
G278304		2.42	2.44		0.5	0.91	5760	<10	60	<0.5	<2	7.5	<0.5	37	9	31





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CERTIFICATE OF ANALYSIS TR12174477
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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G278265		8.95	20	1	0.01	<10	3.49	1565	<1	0.03	40	880	<2	0.24	2	27
G278266		8.18	20	1	0.01	<10	3.40	1495	<1	0.03	42	750	<2	0.18	<2	30
G278267		7.62	<10	1	0.17	<10	3.39	1620	<1	0.02	34	540	<2	1.82	<2	28
G278268		7.50	<10	1	0.26	<10	2.78	1455	1	0.02	30	3520	<2	5.17	4	26
G278269		8.84	10	1	0.06	<10	3.41	1420	<1	0.03	36	810	<2	0.44	<2	31
G278270		0.07	<10	<1	0.01	<10	1.84	32	<1	0.02	<1	40	2	0.17	<2	<1
G278271		7.54	10	1	0.03	<10	1.43	1540	<1	0.01	52	560	<2	0.37	3	37
G278272		6.50	<10	2	0.13	<10	2.25	1785	<1	0.01	48	510	<2	0.77	<2	31
G278273		6.26	10	1	0.15	<10	2.98	1395	<1	0.02	38	510	<2	0.26	2	29
G278274		7.50	20	<1	0.01	<10	3.66	1380	<1	0.03	46	570	<2	0.14	3	34
G278275		7.35	20	1	0.01	<10	3.60	1350	<1	0.03	46	560	<2	0.10	2	34
G278276		7.64	10	1	0.08	<10	2.75	1335	<1	0.03	34	700	<2	0.20	2	30
G278277		6.94	10	1	0.13	<10	2.72	1230	<1	0.02	35	610	<2	0.09	<2	27
G278278		7.18	10	1	0.01	<10	2.03	1025	<1	0.05	26	1120	<2	0.51	2	12
G278279		7.56	10	1	0.14	<10	2.90	1320	<1	0.02	37	670	<2	1.21	<2	28
G278280		3.39	10	6	0.14	10	0.80	458	13	0.07	38	790	294	0.66	27	4
G278281		7.21	10	1	0.10	<10	3.24	1360	<1	0.03	38	680	<2	0.14	<2	30
G278282		6.38	<10	1	0.20	<10	2.75	1470	<1	0.03	34	670	<2	2.77	2	21
G278283		7.75	<10	1	0.15	<10	3.04	1375	<1	0.04	37	690	<2	0.06	<2	24
G278284		7.66	<10	<1	0.21	<10	2.97	1245	<1	0.03	37	680	<2	0.48	<2	25
G278285		6.33	<10	<1	0.47	<10	2.83	1630	<1	0.03	32	440	<2	1.66	<2	21
G278286		6.66	10	<1	0.18	<10	2.61	1475	<1	0.01	35	2090	<2	0.81	2	25
G278287		7.22	10	1	0.04	<10	3.04	1435	<1	0.02	38	630	<2	0.06	<2	30
G278288		7.70	20	1	<0.01	<10	3.45	1425	<1	0.04	40	710	<2	0.15	3	34
G278289		7.78	20	1	<0.01	<10	3.48	1430	<1	0.03	42	730	<2	0.15	3	29
G278290		0.08	<10	1	<0.01	<10	2.13	37	<1	0.02	<1	40	<2	0.08	<2	<1
G278291		7.67	10	1	<0.01	<10	3.64	1435	<1	0.03	40	680	<2	0.10	<2	30
G278292		7.57	20	2	<0.01	<10	3.56	1420	<1	0.03	40	700	<2	0.11	3	31
G278293		7.77	20	1	0.01	<10	3.38	1410	<1	0.02	39	690	<2	0.22	2	32
G278294		6.84	10	1	0.12	<10	3.22	1505	<1	0.02	42	540	<2	0.07	2	26
G278295		7.23	10	<1	0.14	<10	2.93	1425	<1	0.03	37	630	<2	0.13	<2	26
G278296		7.35	<10	1	0.13	<10	2.55	1370	<1	0.03	36	680	<2	0.14	<2	27
G278297		6.93	<10	1	0.16	<10	2.63	1385	<1	0.04	36	750	<2	0.30	2	25
G278298		6.93	<10	1	0.16	<10	2.61	1305	<1	0.03	34	880	<2	1.77	4	23
G278299		7.67	<10	<1	0.04	<10	2.68	1270	<1	0.09	36	650	<2	0.06	<2	30
G278300		3.58	10	1	0.16	10	0.86	391	6	0.06	60	500	4	0.90	34	5
G278301		7.23	<10	1	0.05	<10	2.71	1195	<1	0.09	39	700	<2	0.15	<2	33
G278302		7.63	10	1	0.05	<10	3.19	1445	<1	0.06	40	690	<2	0.09	<2	32
G278303		7.14	10	1	0.09	<10	3.01	1455	<1	0.04	39	670	<2	0.04	<2	30
G278304		8.28	<10	1	0.20	<10	2.83	1420	<1	0.02	42	710	<2	4.72	2	24



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**CERTIFICATE OF ANALYSIS TR12174477**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G278265		109	<20	0.18	<10	<10	328	<10	117
G278266		102	<20	0.23	<10	<10	318	<10	103
G278267		194	<20	<0.01	<10	<10	94	<10	71
G278268		379	<20	<0.01	<10	<10	33	<10	36
G278269		57	<20	0.04	<10	<10	277	<10	107
G278270		5850	30	<0.01	<10	<10	2	<10	<2
G278271		94	<20	0.01	<10	<10	214	<10	96
G278272		93	<20	<0.01	<10	<10	133	<10	103
G278273		145	<20	0.01	<10	<10	110	<10	75
G278274		64	<20	0.04	<10	<10	304	<10	90
G278275		61	<20	0.04	<10	<10	309	<10	93
G278276		82	<20	0.04	<10	<10	215	<10	92
G278277		84	<20	0.01	<10	<10	125	<10	86
G278278		28	<20	0.95	<10	<10	260	<10	95
G278279		101	<20	0.01	<10	<10	150	<10	83
G278280		37	<20	0.10	<10	<10	63	<10	283
G278281		59	<20	0.03	<10	<10	178	<10	93
G278282		194	<20	<0.01	<10	<10	32	<10	57
G278283		67	<20	<0.01	<10	<10	75	<10	90
G278284		80	<20	<0.01	<10	<10	48	<10	91
G278285		153	<20	<0.01	<10	<10	52	<10	45
G278286		106	<20	<0.01	<10	<10	124	<10	74
G278287		79	<20	0.02	<10	<10	241	<10	95
G278288		93	<20	0.19	<10	<10	309	<10	100
G278289		73	<20	0.52	<10	<10	298	<10	102
G278290		4830	20	<0.01	<10	<10	3	<10	<2
G278291		50	<20	0.37	<10	<10	310	<10	96
G278292		39	<20	0.48	<10	<10	312	<10	94
G278293		75	<20	0.06	<10	<10	296	<10	95
G278294		64	<20	0.01	<10	<10	129	<10	83
G278295		74	<20	<0.01	<10	<10	90	<10	71
G278296		72	<20	<0.01	<10	<10	87	<10	85
G278297		99	<20	<0.01	<10	<10	53	<10	77
G278298		185	<20	<0.01	<10	<10	38	<10	48
G278299		50	<20	<0.01	<10	<10	54	<10	91
G278300		42	<20	0.11	<10	<10	52	40	52
G278301		50	<20	<0.01	<10	<10	87	<10	102
G278302		83	<20	<0.01	<10	<10	166	<10	94
G278303		78	<20	<0.01	<10	<10	109	<10	87
G278304		268	<20	<0.01	<10	<10	29	<10	50



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**CERTIFICATE OF ANALYSIS TR12174477**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278305		3.39	0.005		0.2	2.55	86	<10	20	<0.5	<2	5.74	<0.5	34	36	57
G278306		3.17	<0.005		<0.2	2.66	61	10	10	<0.5	<2	5.44	<0.5	36	39	61
G278307		2.20	<0.005		<0.2	3.32	63	<10	10	<0.5	<2	5.49	<0.5	35	66	63
G278308		1.37	<0.005		0.2	2.94	46	<10	20	<0.5	2	5.13	<0.5	34	48	90
G278309		3.06	<0.005		<0.2	3.14	52	<10	20	<0.5	3	5.58	<0.5	33	47	56
G278310		0.46	<0.005		5.2	0.05	<2	<10	<10	<0.5	2	>25.0	<0.5	1	1	1
G278311		2.60	0.045		0.5	2.24	216	<10	30	<0.5	3	6.24	<0.5	35	23	72
G278312		2.22	0.167		<0.2	0.92	351	<10	40	<0.5	2	8.4	<0.5	30	12	55
G278313		3.13	1.530		0.8	0.52	1500	<10	80	0.6	3	9.8	<0.5	37	11	11
G278314		3.52	1.725		0.8	0.55	1320	<10	80	0.7	3	9.0	<0.5	42	12	11
G278315		2.04	7.05	7.14	1.5	0.42	4050	<10	20	<0.5	5	4.34	<0.5	49	8	21
G278316		2.38	0.997		0.5	0.61	689	<10	60	<0.5	3	6.36	<0.5	36	12	64
G278317		4.83	0.035		0.2	2.68	48	<10	30	0.5	2	5.88	<0.5	34	43	70
G278318		2.74	<0.005		0.2	4.72	7	<10	10	<0.5	3	5.87	<0.5	37	74	66
G278319		3.37	<0.005		0.2	4.47	4	<10	10	<0.5	2	5.91	<0.5	35	72	62
G278320		0.08	0.259		0.5	0.45	477	<10	530	<0.5	2	1.01	<0.5	3	44	40
G278321		2.91	<0.005		<0.2	3.03	23	<10	20	<0.5	3	5.65	<0.5	36	86	78
G278322		2.99	1.730		1.0	0.62	1295	<10	60	<0.5	4	7.3	<0.5	38	11	29
G278323		2.39	<0.005		0.3	1.31	68	<10	70	<0.5	3	5.92	<0.5	32	27	66
G278324		3.73	<0.005		0.2	4.42	13	<10	40	<0.5	2	6.40	<0.5	35	106	71
G278325		<0.02	<0.005		0.3	4.41	16	<10	40	<0.5	3	6.44	<0.5	35	104	71
G278326		3.25	<0.005		<0.2	4.91	10	<10	60	<0.5	2	6.52	<0.5	36	87	68
G278327		2.00	<0.005		0.2	5.11	10	<10	70	<0.5	3	7.5	<0.5	34	51	73
G278328		3.54	<0.005		0.2	1.83	23	<10	60	0.7	2	5.17	<0.5	39	74	67



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12174477**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
G278305	7.88	10	1	0.09	<10	2.92	1400	<1	0.06	43	660	<2	0.03	<2	31	
G278306	8.02	10	1	0.04	<10	2.76	1440	<1	0.05	41	670	<2	0.09	<2	32	
G278307	7.72	10	2	0.06	<10	3.49	1615	<1	0.05	39	560	<2	0.17	<2	29	
G278308	8.09	10	<1	0.07	<10	3.21	1405	1	0.05	38	650	6	0.53	<2	29	
G278309	7.62	10	<1	0.06	<10	3.33	1470	<1	0.04	35	640	2	0.12	<2	30	
G278310	0.05	<10	<1	<0.01	<10	1.97	28	<1	0.02	<1	40	<2	0.07	<2	<1	
G278311	7.76	<10	<1	0.13	<10	3.22	1235	<1	0.03	43	510	<2	0.32	<2	29	
G278312	7.22	<10	<1	0.16	<10	2.96	1450	<1	0.04	29	580	2	0.56	<2	24	
G278313	9.61	<10	<1	0.26	<10	4.18	1890	<1	0.03	46	400	2	8.20	<2	34	
G278314	8.27	<10	<1	0.26	<10	3.76	1800	<1	0.02	51	600	3	6.81	2	33	
G278315	25.8	<10	<1	0.17	<10	1.47	823	<1	0.02	87	2550	17	>10.0	6	14	
G278316	7.80	<10	<1	0.25	<10	3.10	1670	<1	0.02	31	410	2	4.36	<2	26	
G278317	7.90	10	<1	0.15	<10	3.15	1480	<1	0.03	32	650	2	0.45	<2	30	
G278318	8.48	20	1	0.01	<10	3.65	1610	<1	0.03	36	720	2	0.35	<2	34	
G278319	8.32	20	<1	0.02	<10	3.59	1490	<1	0.03	40	720	2	0.29	<2	35	
G278320	3.88	<10	4	0.10	10	0.03	75	14	0.03	15	160	14	0.24	29	1	
G278321	7.39	10	1	0.07	<10	3.39	1650	<1	0.03	44	540	<2	0.31	<2	32	
G278322	9.74	<10	<1	0.21	<10	2.89	1490	<1	0.02	47	420	4	8.87	4	27	
G278323	6.99	<10	<1	0.21	<10	2.93	1310	<1	0.02	34	590	<2	0.18	<2	25	
G278324	7.17	10	<1	0.04	<10	3.50	1340	<1	0.02	43	520	2	0.25	<2	28	
G278325	7.21	10	<1	0.04	<10	3.50	1350	<1	0.02	44	520	<2	0.26	<2	28	
G278326	7.62	10	<1	0.02	<10	3.59	1335	<1	0.02	40	580	2	0.22	<2	29	
G278327	8.33	20	<1	0.03	<10	3.12	1530	<1	0.01	29	770	<2	0.19	<2	27	
G278328	8.25	10	<1	0.04	<10	2.06	2810	<1	0.02	44	600	2	0.39	<2	36	



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12174477**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
		1	20	0.01	10	10	1	10	2
G278305		71	<20	<0.01	<10	<10	106	<10	96
G278306		51	<20	<0.01	<10	<10	126	<10	103
G278307		69	<20	<0.01	<10	<10	157	<10	103
G278308		46	<20	0.01	<10	<10	170	<10	110
G278309		69	<20	<0.01	<10	<10	165	<10	112
G278310		4970	20	<0.01	<10	10	<1	<10	<2
G278311		113	<20	<0.01	<10	<10	57	<10	79
G278312		125	<20	<0.01	<10	<10	39	<10	87
G278313		504	<20	<0.01	<10	<10	36	<10	38
G278314		474	<20	<0.01	<10	<10	37	<10	36
G278315		201	<20	<0.01	<10	<10	26	<10	12
G278316		205	<20	<0.01	<10	<10	37	<10	79
G278317		61	<20	0.01	<10	<10	146	<10	106
G278318		122	<20	0.04	<10	<10	299	<10	105
G278319		106	<20	0.04	<10	<10	281	<10	103
G278320		85	<20	0.01	10	<10	29	10	24
G278321		77	<20	0.01	<10	<10	184	<10	88
G278322		252	<20	<0.01	<10	<10	40	<10	34
G278323		69	<20	<0.01	<10	<10	59	<10	90
G278324		68	<20	0.03	<10	<10	243	<10	84
G278325		69	<20	0.03	<10	<10	242	<10	83
G278326		56	<20	0.06	<10	<10	294	<10	95
G278327		72	<20	0.07	<10	<10	288	<10	104
G278328		78	<20	<0.01	<10	<10	228	<10	99



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**CERTIFICATE TR12164073**

Project: CMV12-01  
 P.O. No.: CMV12-01\_19  
 This report is for 51 Drill Core samples submitted to our lab in Terrace, BC, Canada on 17-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager

Comments: Additional Au-Gra21 result for sample G277765 is 8.46 ppm. Additional Au-AA23 check assays for sample G277765 report 5.67 & 8.99 ppm.



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**CERTIFICATE OF ANALYSIS TR12164073**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G277763		2.14	>10.0	11.25	2.0	0.60	>10000	<10	60	<0.5	<2	4.58	<0.5	43	8	76
G277764		1.25	1.600		1.1	0.38	2850	<10	50	<0.5	<2	6.00	<0.5	44	7	63
G277765		3.08	1.000	11.05	1.7	0.50	1565	<10	80	<0.5	<2	5.98	<0.5	28	17	53
G277766		3.26	0.739		0.2	0.43	664	<10	50	<0.5	<2	3.78	<0.5	21	14	48
G277767		2.86	2.39		0.8	0.70	1265	<10	70	<0.5	<2	5.81	<0.5	38	10	39
G277768		4.59	0.020		<0.2	2.90	52	<10	90	<0.5	<2	6.40	<0.5	38	27	72
G277769		3.86	0.048		0.3	1.40	65	<10	30	<0.5	<2	5.24	<0.5	38	10	56
G277770		0.43	<0.005		1.1	0.06	3	<10	<10	<0.5	<2	>25.0	<0.5	1	<1	<1
G277771		2.71	0.040		<0.2	2.31	15	<10	20	<0.5	<2	5.19	<0.5	39	24	510
G277772		1.50	0.585		<0.2	0.71	332	<10	50	<0.5	<2	6.07	<0.5	38	7	74
G277773		1.68	2.53		0.4	0.37	667	<10	30	<0.5	<2	5.64	<0.5	36	4	7
G277774		0.78	0.091		<0.2	1.18	152	<10	60	<0.5	<2	5.20	<0.5	35	14	50
G277775		0.56	2.06		0.4	1.03	99	<10	70	<0.5	<2	4.85	<0.5	34	12	46
G277776		3.35	0.007		<0.2	2.67	19	<10	20	<0.5	<2	5.45	<0.5	36	12	60
G277777		2.94	1.090		0.5	0.69	1105	<10	60	<0.5	<2	5.92	<0.5	34	7	45
G277778		2.22	5.21	4.74	0.9	0.53	914	<10	70	<0.5	<2	5.02	<0.5	33	8	42
G277779		3.04	0.393		0.3	0.72	571	<10	60	<0.5	<2	5.65	<0.5	35	10	60
G277780		0.07	0.736		2.3	0.68	31	<10	80	<0.5	<2	1.90	0.6	8	32	7190
G277781		2.07	1.525		5.2	0.27	4340	<10	40	<0.5	<2	3.70	<0.5	14	10	178
G277782		2.97	0.456		0.6	0.77	2560	<10	50	<0.5	<2	5.89	<0.5	28	18	59
G277783		1.32	2.47		2.2	0.43	1965	<10	70	<0.5	<2	7.7	<0.5	42	8	134
G277784		4.14	2.10		1.6	0.65	1955	<10	80	<0.5	<2	6.40	<0.5	40	7	85
G277785		3.25	0.040		<0.2	1.68	645	<10	40	<0.5	<2	5.54	<0.5	35	14	57
G277786		3.70	0.456		1.1	0.54	549	<10	60	<0.5	<2	7.5	<0.5	34	18	64
G277787		2.59	1.370		<0.2	0.43	185	<10	50	<0.5	<2	5.47	<0.5	22	21	29
G277788		4.82	0.398		0.5	0.55	497	<10	70	<0.5	<2	7.4	<0.5	35	22	51
G277789		3.72	<0.005		<0.2	0.66	168	<10	30	<0.5	<2	6.52	<0.5	35	27	74
G277790		0.33	<0.005		<0.2	0.06	6	<10	10	<0.5	<2	>25.0	<0.5	1	1	<1
G277791		4.14	<0.005		<0.2	2.52	89	<10	20	<0.5	<2	6.52	<0.5	34	56	54
G277792		2.98	<0.005		<0.2	2.86	75	<10	10	<0.5	<2	6.05	<0.5	33	57	56
G277793		4.43	<0.005		<0.2	3.41	73	<10	10	<0.5	<2	6.17	<0.5	37	64	70
G277794		2.02	<0.005		<0.2	3.80	20	<10	10	<0.5	<2	6.12	<0.5	36	71	66
G277795		4.29	<0.005		<0.2	4.24	21	<10	40	<0.5	<2	6.34	<0.5	36	60	66
G277796		2.56	<0.005		<0.2	4.48	34	<10	10	<0.5	<2	6.39	<0.5	35	67	62
G277797		2.58	0.279		<0.2	2.47	138	<10	50	<0.5	<2	6.22	<0.5	35	44	82
G277798		3.57	1.360		0.6	0.46	1210	<10	60	<0.5	<2	8.7	<0.5	35	7	37
G277799		2.84	0.806		<0.2	0.55	1145	<10	70	<0.5	<2	10.5	<0.5	24	10	2
G277800		0.08	3.35		3.9	1.46	278	<10	330	<0.5	<2	1.31	1.5	10	55	75
G277801		3.88	1.155		<0.2	0.53	814	<10	60	<0.5	<2	7.6	<0.5	33	10	32
G277802		5.14	2.32		0.3	0.53	1050	<10	80	<0.5	<2	6.10	<0.5	31	11	20

Comments: Additional Au-Gra21 result for sample G277765 is 8.46 ppm. Additional Au-AA23 check assays for sample G277765 report 5.67 & 8.99 ppm.



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<b>CERTIFICATE OF ANALYSIS TR12164073</b>
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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G277763		9.35	<10	1	0.22	<10	2.15	1275	<1	0.02	42	870	3	6.28	11	20
G277764		9.18	<10	<1	0.15	<10	3.11	1780	<1	0.01	31	700	<2	2.63	7	27
G277765		6.06	<10	<1	0.25	<10	2.84	1385	<1	0.02	30	320	<2	2.39	7	23
G277766		4.83	<10	<1	0.16	<10	1.87	895	<1	0.02	23	250	<2	1.41	2	15
G277767		9.31	<10	<1	0.26	<10	2.94	1585	<1	0.03	28	610	2	5.02	4	25
G277768		8.82	10	1	0.07	<10	2.92	1795	<1	0.04	33	800	<2	0.27	4	31
G277769		9.61	<10	<1	0.15	<10	2.79	1470	<1	0.07	35	860	<2	0.21	<2	33
G277770		0.08	<10	<1	<0.01	<10	2.18	25	<1	0.01	<1	50	<2	0.11	<2	<1
G277771		9.33	10	<1	0.07	<10	2.67	1305	<1	0.07	38	840	<2	0.24	2	32
G277772		7.80	<10	<1	0.19	<10	2.71	2000	<1	0.02	39	770	<2	1.77	<2	29
G277773		7.59	<10	<1	0.10	<10	2.30	1485	<1	0.01	40	620	<2	4.00	<2	28
G277774		9.06	<10	<1	0.24	<10	2.95	1615	<1	0.03	31	790	<2	0.45	2	31
G277775		8.85	<10	<1	0.27	<10	2.80	1575	<1	0.03	28	780	2	0.20	<2	30
G277776		10.00	<10	<1	0.11	<10	2.70	1460	<1	0.04	30	780	<2	0.04	<2	30
G277777		8.75	<10	<1	0.22	<10	2.60	1450	<1	0.02	28	880	<2	4.19	7	24
G277778		7.63	<10	<1	0.25	<10	2.46	1365	<1	0.02	27	470	<2	3.78	4	19
G277779		7.05	<10	<1	0.23	<10	3.23	1565	<1	0.02	39	410	<2	1.06	5	21
G277780		6.79	<10	1	0.28	<10	0.88	926	7	0.06	12	620	21	2.79	28	3
G277781		4.11	<10	<1	0.12	<10	1.48	815	<1	0.01	12	280	<2	2.05	49	10
G277782		5.71	<10	<1	0.18	<10	2.59	1420	<1	0.02	34	300	<2	1.39	6	20
G277783		7.66	<10	<1	0.22	<10	3.58	2010	<1	0.02	42	490	2	4.78	12	25
G277784		9.35	<10	<1	0.27	<10	3.04	1525	<1	0.02	36	430	2	5.83	20	24
G277785		7.69	<10	<1	0.16	<10	3.25	1465	<1	0.02	37	500	<2	0.19	5	24
G277786		5.59	<10	<1	0.23	<10	3.25	1570	<1	0.02	58	340	<2	1.54	4	21
G277787		4.55	<10	<1	0.19	<10	2.46	1150	<1	0.02	39	280	<2	0.51	2	13
G277788		6.20	<10	<1	0.26	<10	3.44	1465	<1	0.02	62	290	<2	2.20	2	21
G277789		6.07	<10	<1	0.18	<10	3.61	1470	<1	0.06	58	390	<2	0.08	2	24
G277790		0.09	<10	<1	0.01	<10	1.67	39	<1	0.01	<1	40	<2	0.10	<2	<1
G277791		7.02	10	<1	0.09	<10	3.47	1370	<1	0.06	45	520	<2	0.08	<2	29
G277792		7.65	10	<1	0.03	<10	3.46	1380	<1	0.06	35	600	<2	0.09	<2	30
G277793		8.33	10	<1	0.03	<10	3.66	1245	<1	0.05	40	620	<2	0.09	<2	33
G277794		7.91	10	<1	0.04	<10	3.85	1290	<1	0.04	40	500	<2	0.20	<2	32
G277795		8.27	10	<1	0.07	<10	3.84	1490	<1	0.02	37	670	<2	0.34	<2	29
G277796		8.19	10	<1	0.02	<10	3.72	1535	<1	0.03	37	690	<2	0.26	2	30
G277797		7.24	10	<1	0.12	<10	3.13	1485	<1	0.02	34	590	<2	0.95	<2	27
G277798		8.02	<10	<1	0.21	<10	3.78	1785	<1	0.01	35	420	2	6.13	<2	30
G277799		8.39	<10	<1	0.18	<10	4.13	2170	<1	0.01	26	320	3	5.55	4	32
G277800		3.36	<10	4	0.13	<10	0.81	452	12	0.07	37	760	285	0.65	27	4
G277801		7.21	<10	<1	0.17	<10	3.19	1640	<1	0.02	34	350	<2	4.09	2	26
G277802		7.40	<10	<1	0.22	<10	2.69	1510	<1	0.03	35	260	<2	5.07	3	25

Comments: Additional Au-Gra21 result for sample G277765 is 8.46 ppm. Additional Au-AA23 check assays for sample G277765 report 5.67 & 8.99 ppm.





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**CERTIFICATE OF ANALYSIS TR12164073**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G277763		200	<20	<0.01	<10	<10	38	<10	50
G277764		224	<20	<0.01	<10	<10	29	<10	78
G277765		253	<20	<0.01	<10	<10	28	<10	50
G277766		102	<20	<0.01	<10	<10	20	<10	39
G277767		232	<20	<0.01	<10	<10	41	<10	70
G277768		108	<20	<0.01	<10	<10	178	<10	113
G277769		105	<20	<0.01	<10	<10	47	<10	109
G277770		6070	30	<0.01	<10	<10	2	<10	<2
G277771		96	<20	<0.01	<10	<10	110	<10	101
G277772		167	<20	<0.01	<10	<10	30	<10	76
G277773		161	<20	<0.01	<10	<10	21	<10	33
G277774		128	<20	<0.01	<10	<10	62	<10	98
G277775		109	<20	<0.01	<10	<10	53	<10	94
G277776		106	<20	<0.01	<10	<10	59	<10	112
G277777		227	<20	<0.01	<10	<10	33	<10	71
G277778		216	<20	<0.01	<10	<10	31	<10	47
G277779		175	<20	<0.01	<10	<10	27	<10	71
G277780		65	<20	0.04	<10	<10	42	<10	104
G277781		151	<20	<0.01	<10	<10	20	<10	51
G277782		186	<20	<0.01	<10	<10	30	<10	47
G277783		286	<20	<0.01	<10	<10	30	<10	66
G277784		238	<20	<0.01	<10	<10	37	<10	55
G277785		123	<20	<0.01	<10	<10	37	<10	82
G277786		212	<20	<0.01	<10	<10	22	<10	48
G277787		128	<20	<0.01	<10	<10	18	<10	39
G277788		186	<20	<0.01	<10	<10	27	<10	50
G277789		78	<20	<0.01	<10	<10	29	<10	66
G277790		5180	20	<0.01	<10	<10	1	<10	<2
G277791		74	<20	<0.01	<10	<10	116	<10	77
G277792		66	<20	0.01	<10	<10	185	<10	88
G277793		71	<20	0.01	<10	<10	224	<10	111
G277794		89	<20	0.02	<10	<10	229	<10	94
G277795		123	<20	0.01	<10	<10	204	<10	94
G277796		71	<20	0.02	<10	<10	274	<10	97
G277797		111	<20	<0.01	<10	<10	138	<10	78
G277798		355	<20	<0.01	<10	<10	32	<10	35
G277799		400	<20	<0.01	<10	<10	40	<10	31
G277800		36	<20	0.09	<10	<10	60	<10	276
G277801		247	<20	<0.01	<10	<10	37	<10	51
G277802		197	<20	<0.01	<10	<10	38	<10	43

Comments: Additional Au-Gra21 result for sample G277765 is 8.46 ppm. Additional Au-AA23 check assays for sample G277765 report 5.67 & 8.99 ppm.



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12164073**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
G277803		2.70	0.961	0.05	0.2	1.40	443	10	90	<0.5	<2	7.2	<0.5	34	17	55
G277804		4.04	0.254		<0.2	2.09	202	<10	60	0.5	<2	6.18	<0.5	34	31	53
G277805		3.71	<0.005		<0.2	2.90	69	<10	20	<0.5	<2	5.44	<0.5	34	47	58
G277806		2.49	0.006		<0.2	1.93	120	<10	20	<0.5	<2	6.31	<0.5	33	30	66
G277807		1.60	<0.005		<0.2	3.10	6	<10	20	<0.5	<2	6.19	<0.5	37	185	74
G277808		4.48	<0.005		<0.2	4.01	<2	<10	30	<0.5	2	6.88	<0.5	33	166	74
G277809		3.35	0.154		<0.2	1.01	55	<10	210	<0.5	<2	2.30	<0.5	12	18	53
G277810		0.45	<0.005		<0.2	0.16	<2	<10	10	<0.5	<2	>25.0	<0.5	1	2	2
G277811		2.82	<0.005		<0.2	0.51	14	<10	370	<0.5	<2	0.90	<0.5	8	11	64
G277812		1.16	0.055		<0.2	0.81	20	<10	180	<0.5	<2	0.38	<0.5	9	11	72
G277813		3.00	0.007		0.3	0.41	27	<10	290	<0.5	<2	0.92	<0.5	10	9	85

Comments: Additional Au-Gr21 result for sample G277765 is 8.46 ppm. Additional Au-AA23 check assays for sample G277765 report 5.67 & 8.99 ppm.



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**CERTIFICATE OF ANALYSIS TR12164073**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G277803		7.16	<10	<1	0.19	<10	3.01	1390	<1	0.03	39	490	2	1.94	4	28
G277804		7.44	10	<1	0.15	<10	2.82	1505	<1	0.02	36	620	<2	0.62	2	30
G277805		7.87	10	1	0.08	<10	3.20	1355	<1	0.05	37	670	2	0.09	<2	31
G277806		7.04	10	<1	0.12	<10	3.45	1555	<1	0.05	42	400	<2	0.16	<2	26
G277807		6.14	10	1	0.02	<10	2.86	1490	<1	0.02	61	470	2	0.15	2	38
G277808		6.73	10	<1	0.03	<10	3.51	1645	<1	0.02	53	420	<2	0.16	3	31
G277809		2.92	10	<1	0.10	<10	0.91	2670	<1	0.01	23	190	6	0.36	2	9
G277810		0.13	<10	<1	<0.01	<10	2.15	47	<1	0.02	1	40	<2	0.06	<2	1
G277811		2.02	<10	<1	0.13	10	0.50	1135	<1	0.01	19	130	5	0.20	<2	3
G277812		2.48	<10	<1	0.18	10	0.41	281	1	0.01	41	150	27	1.21	<2	2
G277813		1.48	<10	<1	0.12	10	0.34	282	<1	0.01	48	110	6	0.48	3	1

Comments: Additional Au-Gra21 result for sample G277765 is 8.46 ppm. Additional Au-AA23 check assays for sample G277765 report 5.67 & 8.99 ppm.



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12164073**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G277803		189	<20	<0.01	<10	<10	73	<10	67
G277804		133	<20	<0.01	<10	<10	125	<10	85
G277805		61	<20	<0.01	<10	<10	151	<10	97
G277806		100	<20	<0.01	<10	<10	56	<10	65
G277807		102	<20	<0.01	<10	<10	203	<10	73
G277808		153	<20	<0.01	<10	<10	209	<10	71
G277809		63	<20	<0.01	<10	<10	62	<10	72
G277810		4970	20	<0.01	<10	<10	4	<10	2
G277811		80	<20	<0.01	<10	<10	24	<10	42
G277812		87	<20	<0.01	<10	<10	20	<10	81
G277813		67	<20	<0.01	<10	<10	13	<10	46

Comments: Additional Au-Gra21 result for sample G277765 is 8.46 ppm. Additional Au-AA23 check assays for sample G277765 report 5.67 & 8.99 ppm.



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**CERTIFICATE TR12174474**

Project: CMV12-01  
 P.O. No.: CMV12-01\_31  
 This report is for 81 Drill Core samples submitted to our lab in Terrace, BC, Canada on 1-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12174474**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278378		2.13	6.78	6.98	1.2	0.41	6810	<10	60	<0.5	2	6.04	<0.5	29	6	82
G278379		2.67	2.23		<0.2	0.36	1100	<10	50	<0.5	<2	5.54	<0.5	24	9	16
G278380		0.08	2.08		0.3	2.16	10	<10	70	<0.5	<2	0.58	<0.5	9	27	596
G278381		2.34	0.006		<0.2	2.66	58	<10	20	<0.5	2	5.53	<0.5	37	41	61
G278382		2.17	0.013		<0.2	1.04	60	<10	20	<0.5	<2	5.41	<0.5	36	24	59
G278383		1.40	0.055		<0.2	0.63	186	<10	30	<0.5	<2	6.20	<0.5	26	19	38
G278384		2.82	<0.005		<0.2	2.07	24	<10	20	<0.5	<2	4.24	<0.5	35	34	60
G278385		2.39	0.678		<0.2	0.51	1905	<10	40	<0.5	<2	5.30	<0.5	25	11	18
G278386		2.37	<0.005		<0.2	2.19	50	<10	30	<0.5	<2	4.63	<0.5	34	63	51
G278387		2.39	0.779		0.2	0.93	391	<10	40	<0.5	<2	7.2	<0.5	32	28	47
G278388		1.65	3.86		<0.2	0.77	427	<10	60	<0.5	<2	6.11	<0.5	32	18	52
G278389		3.11	4.53		0.6	0.30	3530	<10	40	<0.5	<2	5.48	<0.5	30	6	37
G278390		0.50	0.009		<0.2	0.11	14	<10	10	<0.5	<2	>25.0	<0.5	1	<1	<1
G278391		3.62	0.012		<0.2	2.57	58	<10	20	0.6	<2	5.44	<0.5	37	27	45
G278392		3.84	<0.005		<0.2	3.37	17	<10	20	0.5	<2	3.32	<0.5	35	33	34
G278393		2.72	<0.005		<0.2	3.04	7	<10	20	<0.5	<2	4.60	<0.5	32	31	29
G278394		1.37	1.155		0.2	1.87	536	<10	140	<0.5	<2	5.55	<0.5	31	18	45
G278395		0.96	0.142		<0.2	1.67	204	<10	170	0.5	<2	6.84	<0.5	38	17	47
G278396		2.11	1.595		0.2	0.95	6080	<10	40	<0.5	<2	5.54	<0.5	27	12	18
G278397		1.37	4.56		0.5	0.55	1680	<10	50	<0.5	<2	8.2	<0.5	29	5	6
G278398		1.07	2.01		0.5	0.45	2750	<10	40	<0.5	<2	6.33	<0.5	19	6	7
G278399		2.04	5.17	4.82	0.7	0.40	1880	<10	60	<0.5	<2	5.87	<0.5	38	5	20
G278400		0.08	3.47		3.8	1.50	269	<10	420	<0.5	<2	1.28	1.4	10	56	71
G278401		3.68	0.010		<0.2	3.70	102	<10	30	<0.5	2	5.72	<0.5	36	33	51
G278402		1.20	1.845		0.3	2.00	325	<10	100	<0.5	<2	6.26	<0.5	37	18	62
G278403		3.16	<0.005		<0.2	3.97	58	<10	70	<0.5	<2	5.94	<0.5	39	35	55
G278404		4.54	<0.005		<0.2	3.60	39	<10	10	<0.5	<2	5.98	<0.5	39	52	68
G278405		4.69	0.242		0.3	2.53	153	<10	50	0.5	<2	5.15	<0.5	37	26	70
G278406		3.27	<0.005		<0.2	2.98	34	<10	20	0.5	<2	5.38	<0.5	38	37	53
G278407		2.51	<0.005		<0.2	3.44	38	<10	30	0.6	<2	6.19	<0.5	37	34	33
G278408		3.18	3.57		0.5	0.67	1195	<10	60	<0.5	2	5.88	<0.5	40	9	45
G278409		1.46	5.52	5.47	0.9	0.10	633	<10	20	<0.5	<2	1.79	<0.5	10	8	36
G278410		0.59	0.006		<0.2	0.02	3	<10	<10	<0.5	<2	>25.0	<0.5	1	1	<1
G278411		4.83	3.18		0.3	0.85	1060	<10	60	<0.5	<2	6.09	<0.5	34	6	34
G278412		1.40	0.134		<0.2	1.06	96	<10	30	0.5	<2	18.6	<0.5	16	5	20
G278413		2.52	0.050		<0.2	0.91	111	<10	40	<0.5	<2	6.15	<0.5	33	8	34
G278414		1.74	0.222		<0.2	0.62	99	<10	50	0.8	<2	15.2	<0.5	22	5	31
G278415		3.39	0.020		<0.2	0.72	98	<10	40	<0.5	4	6.58	<0.5	32	9	53
G278416		5.24	<0.005		<0.2	1.03	93	<10	30	<0.5	5	5.24	<0.5	35	8	39
G278417		2.30	0.033		<0.2	1.35	143	<10	40	<0.5	3	6.00	<0.5	36	11	28



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**CERTIFICATE OF ANALYSIS TR12174474**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G278378		9.21	<10	<1	0.20	<10	2.54	1570	<1	0.02	28	1740	3	8.01	5	25
G278379		7.19	<10	<1	0.15	<10	1.97	1255	<1	0.01	20	450	3	5.24	<2	18
G278380		3.98	10	<1	0.13	<10	0.83	720	7	0.07	20	610	9	0.09	3	5
G278381		8.30	10	<1	0.09	<10	2.80	1455	<1	0.01	38	690	<2	0.06	<2	27
G278382		7.45	<10	<1	0.15	<10	2.48	1420	<1	0.03	32	590	<2	0.18	<2	25
G278383		6.47	<10	<1	0.11	<10	2.07	1280	<1	0.02	30	490	<2	0.17	<2	20
G278384		8.41	10	<1	0.09	<10	2.24	1595	<1	0.01	35	690	<2	0.27	<2	27
G278385		7.08	<10	<1	0.13	<10	2.35	1470	<1	0.01	25	520	<2	1.16	<2	22
G278386		7.20	10	<1	0.04	<10	2.18	1420	<1	0.01	45	590	<2	0.25	<2	30
G278387		5.51	<10	<1	0.16	<10	2.89	1400	<1	0.01	53	330	<2	1.44	2	24
G278388		6.63	<10	<1	0.23	<10	2.48	1330	<1	0.01	37	670	<2	0.73	<2	23
G278389		8.25	<10	<1	0.16	<10	1.97	1295	<1	0.02	21	720	<2	5.02	4	18
G278390		0.09	<10	<1	0.01	<10	1.46	26	<1	0.02	<1	50	<2	0.10	<2	1
G278391		9.30	10	<1	0.05	<10	2.18	1715	<1	0.01	28	1080	<2	0.30	<2	30
G278392		9.65	10	<1	0.03	<10	2.00	1430	<1	0.01	26	1020	<2	0.21	<2	30
G278393		9.35	10	<1	0.04	<10	2.17	1420	<1	0.01	24	990	<2	0.13	<2	29
G278394		6.99	10	<1	0.18	<10	2.05	1380	<1	0.01	28	900	<2	1.40	<2	22
G278395		6.28	<10	<1	0.12	<10	1.57	1735	<1	0.01	27	1040	<2	1.12	2	28
G278396		6.18	<10	<1	0.10	<10	1.32	1135	<1	0.01	23	3490	<2	3.07	3	17
G278397		8.65	<10	<1	0.16	<10	2.28	1665	<1	0.01	22	810	2	7.43	<2	20
G278398		6.99	<10	<1	0.12	<10	1.91	1415	<1	0.01	18	2710	<2	5.45	<2	17
G278399		9.99	<10	<1	0.22	<10	2.44	1670	<1	0.02	26	920	6	8.80	<2	23
G278400		3.20	<10	4	0.13	<10	0.77	437	12	0.07	42	730	282	0.63	23	4
G278401		10.05	20	<1	0.07	<10	2.99	1660	<1	0.02	27	1010	<2	0.26	2	29
G278402		7.51	10	<1	0.15	<10	2.68	1530	<1	0.01	28	650	<2	1.65	2	28
G278403		9.07	10	<1	0.05	<10	3.23	1640	<1	0.02	32	620	<2	0.26	<2	34
G278404		7.94	10	<1	0.01	<10	3.54	1490	<1	0.02	36	480	<2	0.18	<2	33
G278405		8.48	10	<1	0.08	<10	2.23	1610	<1	0.01	26	980	3	0.75	<2	29
G278406		8.63	10	<1	0.01	<10	1.98	1695	<1	0.01	29	950	<2	0.13	<2	33
G278407		9.01	10	<1	0.01	<10	1.94	1615	<1	0.01	32	1010	<2	0.12	<2	33
G278408		8.62	<10	<1	0.18	<10	1.77	1415	<1	0.01	28	960	<2	5.15	<2	23
G278409		5.96	<10	<1	0.05	<10	0.34	367	<1	0.01	14	340	<2	6.09	2	3
G278410		0.05	<10	<1	<0.01	<10	1.85	33	<1	0.02	<1	30	<2	0.09	4	<1
G278411		9.14	<10	<1	0.20	<10	2.02	1340	<1	0.02	25	910	2	4.88	<2	25
G278412		4.97	<10	<1	0.07	<10	1.12	1520	<1	0.02	13	380	<2	0.21	2	17
G278413		9.03	<10	<1	0.09	<10	2.10	1575	<1	0.04	25	1020	2	0.19	<2	27
G278414		6.53	<10	<1	0.11	<10	1.58	1545	<1	0.04	18	650	<2	0.29	<2	21
G278415		9.62	<10	<1	0.10	<10	2.30	1425	<1	0.07	26	1110	2	0.21	<2	28
G278416		9.64	<10	<1	0.12	<10	2.44	1620	<1	0.08	25	1030	<2	0.17	<2	28
G278417		10.05	<10	<1	0.15	<10	2.51	1570	<1	0.05	26	1650	<2	0.24	<2	25



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**CERTIFICATE OF ANALYSIS TR12174474**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G278378		307	<20	<0.01	<10	<10	32	<10	51
G278379		223	<20	<0.01	<10	<10	25	<10	61
G278380		31	<20	0.13	<10	<10	57	<10	78
G278381		52	<20	0.01	<10	<10	138	<10	115
G278382		53	<20	<0.01	<10	<10	77	<10	90
G278383		97	<20	<0.01	<10	<10	73	<10	61
G278384		49	<20	0.01	<10	<10	178	<10	99
G278385		153	<20	<0.01	<10	<10	31	<10	55
G278386		59	<20	0.01	<10	<10	211	<10	83
G278387		178	<20	<0.01	<10	<10	34	<10	49
G278388		164	<20	<0.01	<10	<10	39	<10	74
G278389		187	<20	<0.01	<10	<10	24	<10	56
G278390		5360	20	<0.01	<10	<10	2	<10	<2
G278391		86	<20	<0.01	<10	<10	247	<10	119
G278392		46	<20	0.01	<10	<10	322	<10	124
G278393		64	<20	0.01	<10	<10	279	<10	118
G278394		172	<20	0.01	<10	<10	130	<10	77
G278395		116	<20	<0.01	<10	<10	158	<10	119
G278396		159	<20	<0.01	<10	<10	88	<10	49
G278397		284	<20	<0.01	<10	<10	42	<10	29
G278398		276	<20	<0.01	<10	<10	37	<10	18
G278399		291	<20	<0.01	<10	<10	31	<10	45
G278400		36	<20	0.09	<10	<10	57	<10	259
G278401		105	<20	0.01	<10	<10	234	<10	122
G278402		165	<20	<0.01	<10	<10	128	<10	84
G278403		145	<20	<0.01	<10	<10	242	<10	107
G278404		121	<20	<0.01	<10	<10	254	<10	91
G278405		94	<20	<0.01	<10	<10	254	<10	317
G278406		103	<20	0.02	<10	<10	340	<10	118
G278407		122	<20	0.03	<10	<10	333	<10	115
G278408		168	<20	<0.01	<10	<10	68	<10	83
G278409		45	<20	<0.01	<10	<10	8	<10	6
G278410		5100	20	<0.01	<10	<10	1	<10	<2
G278411		186	<20	<0.01	<10	<10	50	<10	90
G278412		108	<20	<0.01	<10	<10	55	<10	67
G278413		106	<20	<0.01	<10	<10	65	<10	113
G278414		103	<20	<0.01	<10	<10	50	<10	55
G278415		91	<20	<0.01	<10	<10	59	<10	101
G278416		92	<20	<0.01	<10	<10	58	<10	102
G278417		124	<20	<0.01	<10	<10	51	<10	124





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**CERTIFICATE OF ANALYSIS TR12174474**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278418		1.16	0.067		<0.2	0.57	220	<10	40	<0.5	3	7.6	<0.5	19	9	24
G278419		3.67	0.029		<0.2	0.76	104	<10	40	<0.5	4	5.72	<0.5	35	9	31
G278420		0.07	9.83	9.45	0.7	1.60	4000	<10	60	0.5	5	0.92	<0.5	15	70	67
G278421		4.63	0.084		<0.2	1.23	165	<10	40	<0.5	4	7.4	<0.5	36	11	39
G278422		2.74	0.019		<0.2	3.21	444	<10	10	<0.5	3	6.31	<0.5	34	30	49
G278423		4.22	<0.005		<0.2	3.09	49	<10	10	<0.5	4	6.06	<0.5	36	30	51
G278424		3.94	0.009		0.2	1.02	83	<10	20	<0.5	4	5.87	<0.5	36	11	61
G278425		<0.02	0.012		<0.2	1.09	79	<10	30	<0.5	4	5.85	<0.5	34	11	59
G278426		3.47	0.181		0.4	0.66	154	<10	60	<0.5	3	7.0	<0.5	35	12	63
G278427		3.47	1.535		0.4	0.56	383	<10	80	<0.5	3	6.4	<0.5	35	13	55
G278428		4.61	0.025		<0.2	2.79	85	<10	10	<0.5	5	6.32	<0.5	37	84	73
G278429		3.13	<0.005		<0.2	3.12	53	<10	20	0.5	3	8.0	<0.5	34	64	66
G278430		0.51	<0.005		<0.2	0.05	<2	<10	<10	<0.5	<2	>25.0	<0.5	1	1	<1
G278431		2.81	0.016		<0.2	1.90	68	<10	70	0.6	4	7.8	<0.5	34	49	60
G278432		4.05	0.013		<0.2	2.42	48	<10	20	<0.5	4	6.99	<0.5	35	49	63
G278433		4.11	0.006		0.2	3.45	65	<10	10	<0.5	4	6.35	<0.5	35	71	72
G278434		4.52	0.014		0.3	2.74	332	<10	20	<0.5	3	6.7	<0.5	34	98	74
G278435		4.00	<0.005		<0.2	3.46	85	<10	60	<0.5	3	5.51	<0.5	35	90	67
G278436		4.11	0.011		<0.2	2.61	140	<10	60	<0.5	4	8.1	<0.5	35	44	63
G278437		3.42	0.006		<0.2	2.49	47	<10	60	0.6	4	3.22	<0.5	48	54	69
G278438		5.75	0.006		0.2	4.26	33	<10	40	0.6	3	4.86	<0.5	39	74	73
G278439		7.05	0.351		0.2	2.49	278	<10	70	0.6	3	7.9	<0.5	34	43	48
G278440		0.08	0.271		0.4	0.46	463	<10	490	<0.5	3	1.12	<0.5	4	44	41
G278441		4.79	<0.005		<0.2	3.06	<2	<10	10	<0.5	3	1.97	<0.5	31	36	69
G278442		4.80	0.546		<0.2	0.55	182	<10	60	0.7	3	6.46	<0.5	31	13	73
G278443		2.27	1.355		0.5	0.41	694	<10	60	<0.5	3	6.9	<0.5	32	9	28
G278444		1.57	>10.0	61.4	3.9	0.06	107	<10	10	<0.5	3	4.36	3.5	4	8	2
G278445		2.65	0.367		0.2	0.59	188	<10	50	<0.5	3	6.07	<0.5	34	9	59
G278446		4.62	0.088		<0.2	1.73	72	<10	30	<0.5	3	6.12	<0.5	34	32	60
G278447		3.68	0.042		<0.2	1.94	84	<10	10	<0.5	2	6.36	<0.5	34	34	58
G278448		4.74	0.013		<0.2	4.07	404	<10	30	<0.5	2	6.9	<0.5	35	59	56
G278449		1.87	<0.005		0.2	4.82	43	<10	20	<0.5	4	6.9	<0.5	35	78	67
G278450		0.66	<0.005		<0.2	0.05	2	<10	10	<0.5	2	>25.0	<0.5	1	1	<1
G278451		2.10	0.095		<0.2	1.35	125	<10	150	<0.5	<2	6.9	<0.5	29	8	105
G278452		3.70	0.055		<0.2	2.35	74	<10	70	0.7	<2	7.1	<0.5	34	18	50
G278453		1.57	0.020		0.2	1.78	68	<10	50	<0.5	<2	5.92	<0.5	40	25	75
G278454		5.44	0.069		<0.2	1.82	74	<10	60	<0.5	<2	6.22	<0.5	31	19	51
G278455		3.53	<0.005		0.2	3.12	81	<10	70	0.5	<2	5.07	<0.5	42	23	79
G278456		4.01	0.008		<0.2	0.59	73	<10	220	<0.5	<2	1.32	<0.5	8	10	68
G278457		3.96	0.021		<0.2	0.46	56	<10	320	<0.5	<2	0.34	<0.5	9	11	81



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G278418		6.38	<10	<1	0.12	<10	1.80	1355	<1	0.03	17	1530	<2	0.15	<2	15
G278419		10.10	<10	<1	0.18	<10	2.73	1690	<1	0.07	24	1050	<2	0.18	<2	26
G278420		3.64	10	<1	0.17	10	0.91	403	6	0.07	65	500	6	0.93	33	5
G278421		9.65	<10	<1	0.17	<10	2.76	1710	<1	0.05	24	970	<2	0.38	<2	25
G278422		9.91	10	<1	0.02	<10	2.86	1625	<1	0.04	26	1050	<2	0.23	<2	32
G278423		9.79	10	<1	0.03	<10	2.87	1630	<1	0.07	27	1050	<2	0.23	<2	30
G278424		9.48	<10	<1	0.11	<10	2.69	1585	<1	0.07	25	1050	<2	0.35	<2	26
G278425		9.43	<10	<1	0.14	<10	2.69	1580	<1	0.09	24	1050	<2	0.34	<2	26
G278426		7.72	<10	<1	0.21	<10	3.21	1495	<1	0.03	37	680	<2	0.37	<2	27
G278427		7.35	<10	<1	0.28	<10	3.22	1525	<1	0.02	39	610	<2	0.43	<2	27
G278428		7.54	10	<1	0.06	<10	3.84	1415	<1	0.06	48	500	<2	0.21	<2	33
G278429		7.92	10	<1	0.05	<10	3.14	1310	<1	0.03	42	440	<2	0.35	<2	31
G278430		0.08	<10	<1	<0.01	<10	1.83	30	<1	0.02	<1	40	<2	0.07	<2	<1
G278431		7.21	<10	<1	0.17	<10	2.75	1475	<1	0.01	44	370	<2	0.40	<2	29
G278432		7.27	10	<1	0.11	<10	3.03	1515	<1	0.03	40	580	<2	0.25	<2	31
G278433		7.78	10	<1	0.04	<10	3.54	1440	<1	0.04	40	610	<2	0.18	<2	30
G278434		6.89	10	<1	0.09	<10	3.73	1325	<1	0.04	46	410	<2	0.11	<2	23
G278435		7.61	10	<1	0.04	<10	3.54	1360	<1	0.02	46	550	<2	0.14	<2	33
G278436		7.14	10	<1	0.08	<10	3.17	1510	<1	0.02	39	630	<2	0.29	<2	30
G278437		8.45	10	1	0.06	<10	1.69	1155	<1	0.01	65	720	2	1.40	3	31
G278438		8.74	10	1	0.01	<10	2.53	1425	<1	0.02	49	750	<2	0.31	<2	34
G278439		7.79	10	<1	0.12	<10	2.81	1315	<1	0.01	42	760	2	1.02	<2	30
G278440		4.02	<10	4	0.11	10	0.04	78	14	0.03	16	170	14	0.24	27	1
G278441		5.80	10	<1	<0.01	<10	1.76	880	<1	0.05	31	600	<2	0.38	<2	5
G278442		6.93	<10	<1	0.28	<10	2.99	1345	<1	0.03	32	550	<2	0.89	<2	25
G278443		6.92	<10	<1	0.22	<10	2.83	1235	<1	0.03	36	440	<2	3.20	<2	22
G278444		1.65	<10	<1	0.02	<10	0.39	312	<1	0.01	6	670	<2	0.70	<2	3
G278445		7.31	<10	<1	0.19	<10	3.10	1310	<1	0.02	37	590	<2	1.23	<2	24
G278446		7.31	<10	<1	0.13	<10	2.85	1325	<1	0.05	38	630	<2	0.37	<2	29
G278447		6.85	<10	<1	0.07	<10	2.88	1105	<1	0.07	38	650	<2	0.14	<2	31
G278448		7.73	10	<1	0.09	<10	3.19	1315	<1	0.03	40	660	<2	0.17	<2	25
G278449		7.93	20	<1	0.01	<10	3.49	1395	<1	0.03	41	650	<2	0.16	<2	33
G278450		0.07	<10	<1	<0.01	<10	1.69	30	<1	0.01	<1	40	<2	0.08	<2	<1
G278451		7.16	<10	<1	0.13	<10	2.43	1285	1	0.02	28	560	8	0.76	4	21
G278452		8.31	10	<1	0.12	<10	2.39	1770	<1	0.02	32	810	<2	0.20	4	33
G278453		6.57	<10	1	0.08	<10	2.10	1550	<1	0.02	38	580	2	0.36	4	27
G278454		7.22	<10	<1	0.11	<10	2.66	1480	<1	0.04	25	620	<2	0.16	3	25
G278455		8.98	10	<1	0.14	<10	2.82	1470	<1	0.05	38	820	<2	0.08	5	36
G278456		2.28	<10	<1	0.19	10	0.67	364	<1	0.02	21	140	2	0.15	4	4
G278457		1.44	<10	<1	0.20	10	0.33	178	<1	0.01	32	140	4	0.29	4	2



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12174474**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G278418		144	<20	<0.01	<10	<10	47	<10	59
G278419		101	<20	<0.01	<10	<10	60	<10	104
G278420		43	<20	0.11	<10	<10	52	50	50
G278421		150	<20	<0.01	<10	<10	82	<10	97
G278422		100	<20	0.01	<10	<10	237	<10	126
G278423		69	<20	0.01	<10	<10	243	<10	128
G278424		81	<20	<0.01	<10	<10	71	<10	106
G278425		83	<20	<0.01	<10	<10	74	<10	104
G278426		140	<20	<0.01	<10	<10	34	<10	70
G278427		179	<20	<0.01	<10	<10	36	<10	67
G278428		82	<20	<0.01	<10	<10	146	<10	81
G278429		70	<20	<0.01	<10	<10	165	<10	74
G278430		5430	20	<0.01	<10	<10	1	<10	<2
G278431		155	<20	<0.01	<10	<10	106	<10	83
G278432		102	<20	<0.01	<10	<10	134	<10	99
G278433		71	<20	0.02	<10	<10	222	<10	88
G278434		81	<20	<0.01	<10	<10	136	<10	73
G278435		72	<20	0.01	<10	<10	213	<10	89
G278436		127	<20	<0.01	<10	<10	198	<10	83
G278437		37	<20	0.01	<10	<10	229	<10	107
G278438		90	<20	0.16	<10	<10	295	<10	115
G278439		133	<20	<0.01	<10	<10	161	<10	73
G278440		89	<20	0.01	10	<10	29	10	23
G278441		28	<20	0.56	<10	<10	156	<10	70
G278442		138	<20	<0.01	<10	<10	37	<10	67
G278443		219	<20	<0.01	<10	<10	27	<10	48
G278444		48	<20	<0.01	<10	<10	6	<10	1465
G278445		143	<20	<0.01	<10	<10	26	<10	67
G278446		61	<20	<0.01	<10	<10	101	<10	88
G278447		56	<20	<0.01	<10	<10	112	<10	96
G278448		60	<20	0.04	<10	<10	211	<10	95
G278449		46	<20	0.49	<10	<10	317	<10	100
G278450		5030	20	<0.01	<10	<10	2	<10	<2
G278451		119	<20	<0.01	<10	<10	65	<10	82
G278452		108	<20	<0.01	<10	<10	195	<10	77
G278453		101	<20	<0.01	<10	<10	127	<10	72
G278454		117	<20	<0.01	<10	<10	95	<10	69
G278455		103	<20	<0.01	<10	<10	114	<10	119
G278456		24	<20	<0.01	<10	<10	15	<10	35
G278457		8	<20	<0.01	<10	<10	10	<10	49



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**CERTIFICATE OF ANALYSIS TR12174474**

Sample Description	Method	Analyte	Units	LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41		
					Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
					kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
G278458					0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
					3.36	<0.005		<0.2	1.12	15	<10	530	<0.5	2	0.51	<0.5	8	14	55



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**CERTIFICATE OF ANALYSIS TR12174474**

Sample Description	Method Analyte Units LOR	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm
G278458		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
		2.10	<10	<1	0.31	10	0.69	290	<1	0.01	28	170	3	0.27	2	2



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**CERTIFICATE OF ANALYSIS TR12174474**

Sample Description	Method Analyte Units LOR	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
G278458		11	<20	<0.01	<10	<10	20	<10	65



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 Account: EIACMV

**CERTIFICATE TR12228910**

Project: CMV12-01  
 P.O. No.: CMV12-01\_31  
 This report is for 1 Other sample submitted to our lab in Terrace, BC, Canada on 28-SEP-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
BAG-01	Bulk Master for Storage
FND-02a	Find Sample at Branch Lab
SCR-21	Screen to -100 to 106 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12228910**

Sample Description	Method Analyte Units LOR	Au-SCR24 Au Total ppm	Au-SCR24 Au (+) F ppm	Au-SCR24 Au (-) F ppm	Au-SCR24 Au (+) m mg	Au-SCR24 WT. + Fr g	Au-SCR24 WT. - Fr g	Au-AA26 Au ppm	Au-AA26D Au ppm
G278444		20.2	850	11.20	9.148	10.77	989.1	11.20	11.15





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 Account: EIACMV

**CERTIFICATE TR12175298**

Project: CMV12-01  
 P.O. No.: CMV12-01\_32  
 This report is for 76 Drill Core samples submitted to our lab in Terrace, BC, Canada on 8-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12175298**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278459		3.03	0.046		<0.2	1.19	58	<10	110	0.7	<2	4.50	<0.5	34	31	54
G278460		0.08	0.673		2.1	0.64	25	<10	80	<0.5	<2	1.76	<0.5	7	29	6680
G278461		3.56	0.256		<0.2	0.50	548	<10	50	<0.5	<2	5.57	<0.5	30	11	51
G278462		2.45	2.82		0.4	0.33	835	<10	50	<0.5	<2	6.14	<0.5	31	13	28
G278463		3.82	0.026		<0.2	3.06	27	<10	20	<0.5	<2	5.81	<0.5	35	70	69
G278464		3.60	0.043		<0.2	3.03	417	<10	20	<0.5	<2	6.35	<0.5	37	54	52
G278465		4.94	0.011		<0.2	2.07	106	<10	20	<0.5	<2	5.52	<0.5	37	40	50
G278466		4.33	<0.005		<0.2	0.73	73	<10	10	<0.5	<2	5.06	<0.5	30	11	38
G278467		2.09	2.78		0.2	0.28	794	<10	30	<0.5	<2	4.87	<0.5	34	7	52
G278468		2.14	0.905		0.4	0.71	402	<10	40	<0.5	<2	4.74	<0.5	37	9	42
G278469		3.24	<0.005		<0.2	0.66	71	<10	20	<0.5	<2	5.09	<0.5	35	8	39
G278470		0.61	<0.005		<0.2	0.03	<2	<10	<10	<0.5	<2	>25.0	<0.5	2	<1	<1
G278471		5.56	2.42		0.3	1.28	1890	<10	40	<0.5	<2	6.02	<0.5	34	12	28
G278472		4.18	0.007		<0.2	2.63	7	<10	30	0.8	3	1.90	<0.5	38	34	51
G278473		4.44	<0.005		<0.2	2.74	13	<10	50	0.5	<2	1.97	<0.5	38	34	48
G278474		1.79	<0.005		<0.2	2.02	37	<10	80	<0.5	<2	4.12	<0.5	35	41	55
G278475		1.74	<0.005		<0.2	2.14	41	<10	240	<0.5	<2	4.72	<0.5	36	41	56
G278476		1.81	<0.005		<0.2	1.42	41	<10	60	<0.5	<2	2.96	<0.5	41	42	76
G278477		4.24	<0.005		<0.2	3.62	44	<10	30	0.5	<2	4.89	<0.5	33	51	61
G278478		2.56	<0.005		<0.2	3.54	55	<10	40	0.7	<2	4.79	<0.5	38	45	66
G278479		3.50	0.050		<0.2	2.22	619	<10	20	0.6	2	5.85	<0.5	35	24	57
G278480		0.08	2.06		0.4	2.18	10	<10	70	<0.5	<2	0.64	<0.5	10	29	601
G278481		3.58	0.045		0.2	0.96	112	<10	30	<0.5	<2	7.1	<0.5	31	12	50
G278482		1.14	0.200		<0.2	0.22	152	<10	30	<0.5	<2	7.9	<0.5	10	7	6
G278483		0.77	0.009		<0.2	1.45	51	<10	100	0.7	<2	5.12	<0.5	33	39	61
G278484		3.53	0.162		<0.2	0.68	191	<10	60	0.5	<2	8.0	<0.5	36	19	72
G278485		4.20	0.383		<0.2	0.52	1585	<10	60	<0.5	<2	8.3	<0.5	38	9	12
G278486		2.12	0.142		<0.2	0.31	217	<10	40	<0.5	<2	8.6	<0.5	39	9	3
G278487		4.34	0.288		<0.2	0.47	758	<10	60	<0.5	<2	8.1	<0.5	37	10	10
G278488		4.06	0.187		0.2	0.85	225	<10	40	<0.5	<2	5.98	<0.5	36	20	61
G278489		2.22	<0.005		<0.2	3.10	54	<10	20	<0.5	<2	5.64	<0.5	32	54	63
G278490		0.64	<0.005		<0.2	0.05	2	<10	10	<0.5	<2	>25.0	<0.5	2	<1	<1
G278491		3.05	<0.005		0.2	4.84	41	<10	10	<0.5	<2	5.68	<0.5	36	72	58
G278492		2.62	<0.005		<0.2	4.14	39	<10	10	0.6	<2	5.11	<0.5	37	65	55
G278493		1.31	0.060		<0.2	1.92	127	<10	20	<0.5	<2	5.50	<0.5	23	28	90
G278494		4.04	0.018		<0.2	0.99	92	<10	10	<0.5	<2	6.13	<0.5	32	22	50
G278495		3.99	<0.005		<0.2	1.96	70	<10	10	<0.5	<2	6.08	<0.5	34	57	64
G278496		2.87	<0.005		<0.2	4.24	42	<10	10	<0.5	<2	7.6	<0.5	34	81	66
G278497		4.84	0.014		<0.2	4.04	146	<10	20	<0.5	<2	5.69	<0.5	34	70	75
G278498		3.35	0.102		<0.2	1.37	120	<10	80	0.5	<2	4.40	<0.5	33	23	56



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**CERTIFICATE OF ANALYSIS TR12175298**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	
G278459		9.02	<10	1	0.08	<10	1.62	1815	<1	0.01	33	750	<2	0.67	<2	30
G278460		6.25	<10	2	0.26	<10	0.81	870	7	0.05	15	590	19	2.61	25	3
G278461		7.12	<10	<1	0.17	<10	2.94	1275	<1	0.01	33	520	<2	0.59	<2	22
G278462		7.63	<10	<1	0.17	<10	3.02	1425	<1	0.02	37	240	2	2.21	<2	22
G278463		8.30	10	<1	0.08	<10	3.36	1385	<1	0.01	45	540	<2	0.24	3	29
G278464		8.72	10	<1	0.10	<10	3.42	1405	<1	0.02	41	540	<2	0.29	<2	28
G278465		8.97	10	<1	0.08	<10	3.10	1365	<1	0.05	36	690	<2	0.12	3	27
G278466		8.94	<10	<1	0.08	<10	2.31	1445	<1	0.08	21	940	<2	0.21	3	25
G278467		9.78	<10	<1	0.13	<10	2.48	1370	<1	0.02	23	1000	<2	2.25	2	21
G278468		10.30	<10	<1	0.14	<10	2.78	1415	<1	0.06	23	920	<2	1.84	4	27
G278469		9.51	<10	<1	0.07	<10	2.52	1535	<1	0.08	23	1010	<2	0.13	<2	28
G278470		0.06	<10	<1	<0.01	<10	1.63	29	<1	0.01	1	30	<2	0.07	<2	<1
G278471		8.81	10	<1	0.17	<10	2.81	1690	<1	0.02	23	1080	<2	3.31	3	28
G278472		10.70	10	<1	<0.01	<10	1.59	1845	<1	0.01	29	1110	<2	0.39	3	32
G278473		11.05	10	<1	<0.01	<10	1.90	2080	<1	0.01	28	1120	<2	0.37	<2	33
G278474		9.07	10	<1	0.03	<10	2.03	1840	<1	0.01	33	700	<2	0.18	<2	29
G278475		9.02	10	<1	0.03	<10	2.02	1810	<1	0.02	34	770	<2	0.13	<2	31
G278476		9.31	10	<1	0.01	<10	2.44	1525	<1	0.02	36	930	<2	0.08	3	34
G278477		8.41	10	<1	0.02	<10	2.73	1145	<1	0.02	35	690	<2	0.08	3	31
G278478		8.70	10	<1	0.01	<10	2.01	1150	<1	0.01	33	860	<2	0.31	3	31
G278479		9.49	10	<1	0.05	<10	2.26	1690	<1	0.01	24	1020	<2	0.36	2	24
G278480		4.36	10	<1	0.13	<10	0.89	763	8	0.08	21	650	10	0.10	3	5
G278481		8.04	<10	<1	0.13	<10	2.57	1525	<1	0.03	25	740	<2	0.30	3	20
G278482		2.94	<10	<1	0.07	<10	1.21	666	<1	0.01	10	150	<2	0.61	3	8
G278483		7.48	10	<1	0.12	<10	2.25	1605	<1	0.02	34	690	<2	0.36	4	32
G278484		7.58	<10	1	0.17	<10	3.17	1750	<1	0.02	34	670	<2	0.64	4	28
G278485		8.38	<10	<1	0.25	<10	3.81	1725	<1	0.02	41	720	<2	1.38	2	28
G278486		8.21	<10	<1	0.16	<10	4.04	1790	<1	0.02	39	510	<2	0.72	5	26
G278487		8.28	<10	<1	0.24	<10	3.86	1730	<1	0.02	39	660	<2	1.23	4	27
G278488		7.70	<10	<1	0.17	<10	3.26	1795	<1	0.01	37	680	<2	0.85	3	31
G278489		6.58	10	<1	0.03	<10	2.63	1310	<1	0.02	37	580	<2	0.20	2	28
G278490		0.07	<10	<1	<0.01	<10	1.73	31	<1	0.02	2	40	<2	0.11	2	<1
G278491		8.22	20	<1	<0.01	<10	3.54	1305	<1	0.02	42	640	<2	0.08	3	33
G278492		8.16	10	<1	0.01	<10	2.53	1105	<1	0.01	42	630	<2	0.18	2	33
G278493		5.18	10	<1	0.06	<10	1.81	957	<1	0.02	25	360	<2	0.37	<2	15
G278494		7.30	<10	<1	0.03	<10	3.16	1275	<1	0.09	35	560	<2	0.26	<2	29
G278495		7.19	10	1	0.02	<10	3.61	1310	<1	0.09	42	430	<2	0.19	4	32
G278496		7.49	20	<1	0.01	<10	3.48	1330	<1	0.04	42	550	<2	0.29	2	30
G278497		7.77	10	<1	0.02	<10	3.34	1315	<1	0.04	38	630	<2	0.23	3	27
G278498		8.46	<10	<1	0.15	<10	2.48	1560	<1	0.01	39	610	<2	0.51	3	28



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G278459		46	<20	<0.01	<10	<10	207	<10	101
G278460		62	<20	0.04	<10	<10	39	<10	93
G278461		210	<20	<0.01	<10	<10	28	<10	65
G278462		232	<20	<0.01	<10	<10	28	<10	53
G278463		101	<20	<0.01	<10	<10	160	<10	92
G278464		135	<20	0.01	<10	<10	157	<10	85
G278465		81	<20	<0.01	<10	<10	106	<10	97
G278466		64	<20	<0.01	<10	<10	69	<10	104
G278467		145	<20	<0.01	<10	<10	36	<10	86
G278468		121	<20	<0.01	<10	<10	64	<10	119
G278469		72	<20	<0.01	<10	<10	50	<10	108
G278470		4700	20	<0.01	<10	<10	2	<10	<2
G278471		235	<20	<0.01	<10	<10	99	<10	74
G278472		21	<20	0.01	<10	<10	387	<10	137
G278473		23	<20	0.01	<10	<10	368	<10	136
G278474		41	<20	0.01	<10	<10	243	<10	107
G278475		44	<20	0.01	<10	<10	265	<10	107
G278476		34	<20	0.01	<10	<10	320	<10	102
G278477		49	<20	0.01	<10	<10	236	<10	90
G278478		49	<20	0.01	<10	<10	267	<10	99
G278479		74	<20	<0.01	<10	<10	215	<10	108
G278480		31	<20	0.14	<10	<10	60	<10	81
G278481		86	<20	<0.01	<10	<10	69	<10	75
G278482		66	<20	<0.01	<10	<10	22	<10	119
G278483		82	<20	<0.01	<10	<10	165	<10	84
G278484		129	<20	<0.01	<10	<10	66	<10	55
G278485		259	<20	<0.01	<10	<10	35	<10	48
G278486		291	<20	<0.01	<10	<10	26	<10	58
G278487		238	<20	<0.01	<10	<10	32	<10	48
G278488		147	<20	<0.01	<10	<10	73	<10	60
G278489		67	<20	0.02	<10	<10	214	<10	72
G278490		4640	20	<0.01	<10	<10	2	<10	<2
G278491		84	<20	0.07	<10	<10	298	<10	88
G278492		63	<20	0.02	<10	<10	273	<10	95
G278493		78	<20	<0.01	<10	<10	91	<10	57
G278494		81	<20	<0.01	<10	<10	73	<10	71
G278495		81	<20	<0.01	<10	<10	123	<10	70
G278496		91	<20	0.04	<10	<10	254	<10	70
G278497		72	<20	0.25	<10	<10	265	<10	75
G278498		77	<20	<0.01	<10	<10	95	<10	85



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**CERTIFICATE OF ANALYSIS TR12175298**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278499		4.49	<0.005		<0.2	1.23	35	<10	100	0.6	<2	3.92	<0.5	42	46	78
G278500		0.08	3.19		3.7	1.39	270	<10	320	<0.5	<2	1.23	1.4	9	51	71
G278501		2.11	0.042		<0.2	1.06	266	<10	90	0.7	<2	4.64	<0.5	37	38	60
G278502		1.94	0.231		<0.2	0.76	1455	<10	100	0.6	<2	7.6	<0.5	30	22	48
G278503		4.46	0.102		0.3	1.07	630	<10	100	0.7	<2	8.0	<0.5	31	32	59
G278504		3.73	0.224		<0.2	1.64	1120	<10	80	0.6	<2	7.8	<0.5	38	32	75
G278505		2.45	<0.005		<0.2	1.01	29	<10	100	0.5	<2	5.96	<0.5	35	75	69
G278506		1.08	0.029		<0.2	1.53	72	<10	60	<0.5	<2	7.4	<0.5	29	51	34
G278507		3.49	<0.005		<0.2	2.03	8	<10	40	0.6	<2	3.07	<0.5	38	45	65
G278508		2.91	0.010		0.2	2.52	86	<10	30	<0.5	<2	5.41	<0.5	35	53	53
G278509		0.93	0.878		<0.2	0.52	77	<10	40	<0.5	<2	5.24	<0.5	20	8	60
G278510		0.49	<0.005		<0.2	0.08	4	<10	10	<0.5	<2	>25.0	<0.5	1	1	<1
G278511		4.42	0.025		<0.2	1.18	70	<10	40	<0.5	<2	5.71	<0.5	35	32	55
G278512		2.60	0.006		<0.2	3.05	69	<10	80	0.8	<2	5.77	<0.5	38	24	65
G278513		3.60	0.021		<0.2	1.32	69	<10	50	0.5	<2	9.0	<0.5	24	15	49
G278514		3.23	<0.005		0.2	3.38	50	<10	40	0.6	<2	4.29	<0.5	36	58	67
G278515		1.62	0.035		<0.2	0.96	104	<10	60	<0.5	<2	8.2	<0.5	30	19	50
G278516		3.66	<0.005		<0.2	3.21	65	<10	30	<0.5	<2	6.7	<0.5	36	61	69
G278517		2.37	0.092		<0.2	1.77	50	<10	50	0.6	<2	10.1	<0.5	34	25	56
G278518		3.43	<0.005		<0.2	3.42	8	<10	50	0.7	<2	4.45	<0.5	44	46	80
G278519		4.32	<0.005		<0.2	3.81	7	<10	40	0.8	<2	2.23	<0.5	44	47	70
G278520		0.07	>10.0	9.95	0.6	1.46	3900	<10	60	<0.5	<2	0.79	<0.5	14	66	65
G278521		6.73	<0.005		<0.2	4.36	17	<10	70	0.6	<2	4.03	<0.5	43	66	77
G278522		4.20	<0.005		<0.2	2.52	26	<10	80	0.6	<2	4.98	<0.5	51	75	84
G278523		2.86	<0.005		<0.2	3.29	17	<10	40	0.8	<2	3.16	<0.5	45	86	113
G278524		4.40	<0.005		<0.2	3.87	28	<10	40	0.6	<2	4.05	<0.5	39	71	113
G278525			<0.005		<0.2	3.57	25	<10	40	0.6	<2	3.96	<0.5	37	67	103
G278526		2.61	<0.005		<0.2	2.92	32	<10	80	0.7	<2	4.18	<0.5	43	70	84
G278527		4.13	0.007		<0.2	1.24	58	<10	80	0.6	<2	4.12	<0.5	40	54	68
G278528		2.32	0.054		<0.2	0.22	78	<10	30	<0.5	<2	11.7	<0.5	8	9	2
G278529		3.12	0.033		<0.2	0.26	65	<10	40	<0.5	<2	5.60	<0.5	12	10	2
G278530		0.56	<0.005		<0.2	0.03	4	<10	<10	<0.5	<2	>25.0	<0.5	2	1	<1
G278531		3.99	0.026		<0.2	0.56	106	<10	90	<0.5	<2	9.2	<0.5	23	9	18
G278532		4.08	0.040		0.4	0.56	106	<10	90	<0.5	<2	11.0	<0.5	22	9	10
G278533		4.42	0.048		<0.2	0.76	86	<10	70	0.5	<2	12.4	<0.5	21	23	25
G278534		4.43	<0.005		<0.2	2.74	13	<10	50	0.6	<2	3.82	<0.5	35	48	52



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**CERTIFICATE OF ANALYSIS TR12175298**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	
Units		%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	
LOR		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	
G278499		8.15	<10	<1	0.07	<10	1.91	1665	<1	0.01	40	680	<2	0.48	3	32
G278500		3.16	<10	4	0.13	10	0.75	429	13	0.06	38	740	281	0.62	26	4
G278501		7.36	<10	<1	0.13	<10	2.38	1785	<1	0.01	42	700	<2	0.43	2	32
G278502		6.69	<10	<1	0.15	<10	2.82	1665	<1	0.01	35	580	<2	0.45	5	26
G278503		7.00	<10	<1	0.15	<10	3.18	1730	<1	0.02	41	590	<2	0.48	5	28
G278504		7.92	<10	<1	0.13	<10	2.74	1980	<1	0.02	42	690	<2	0.49	2	34
G278505		6.80	<10	<1	0.03	<10	2.62	1350	<1	0.01	49	470	<2	0.31	2	29
G278506		6.59	<10	<1	0.08	<10	3.02	1535	<1	0.02	36	430	<2	0.13	4	27
G278507		8.04	10	<1	0.01	<10	1.62	1350	<1	0.02	35	670	2	0.42	2	37
G278508		7.99	10	<1	0.12	<10	3.22	1425	<1	0.04	38	570	<2	0.13	<2	28
G278509		5.98	<10	<1	0.13	<10	2.03	1135	<1	0.02	14	310	<2	0.27	2	19
G278510		0.09	<10	<1	0.01	<10	1.59	27	<1	0.02	1	40	<2	0.08	<2	<1
G278511		7.79	<10	<1	0.12	<10	3.26	1430	<1	0.05	36	600	<2	0.17	2	30
G278512		8.75	10	<1	0.12	<10	2.70	1630	<1	0.01	32	870	<2	0.31	<2	32
G278513		7.00	<10	<1	0.08	<10	2.45	1885	<1	0.01	22	610	<2	0.32	2	24
G278514		8.56	10	<1	0.06	<10	2.55	1185	<1	0.01	37	780	<2	0.29	2	30
G278515		6.33	<10	<1	0.16	<10	2.74	1435	<1	0.02	30	530	<2	0.17	<2	24
G278516		7.56	10	<1	0.07	<10	3.17	1410	<1	0.02	42	550	<2	0.03	<2	29
G278517		6.05	<10	<1	0.09	<10	2.23	1775	<1	0.02	29	650	<2	0.13	<2	28
G278518		8.38	10	1	0.02	<10	0.93	1230	<1	0.01	45	770	<2	0.57	<2	40
G278519		10.05	10	<1	0.02	<10	1.10	609	<1	0.01	46	750	<2	0.49	2	37
G278520		3.45	10	<1	0.15	10	0.84	376	6	0.06	61	470	7	0.88	32	4
G278521		9.93	10	<1	0.08	<10	2.07	977	<1	0.02	48	700	<2	0.36	<2	33
G278522		8.21	10	1	0.09	<10	1.17	2340	<1	0.01	73	690	<2	0.55	2	43
G278523		9.24	10	1	0.07	<10	0.92	887	<1	0.01	61	690	<2	0.65	2	44
G278524		8.50	10	<1	0.10	<10	1.76	1040	<1	0.02	47	620	<2	0.47	2	31
G278525		8.25	10	<1	0.09	<10	1.68	1015	<1	0.02	44	600	<2	0.45	<2	30
G278526		7.11	10	1	0.10	<10	1.19	1115	<1	0.02	53	660	<2	0.49	<2	36
G278527		7.79	<10	1	0.14	<10	1.57	1895	<1	0.01	33	530	<2	0.40	4	31
G278528		3.48	<10	<1	0.07	<10	1.67	1030	<1	0.01	10	320	2	0.44	<2	8
G278529		3.37	<10	<1	0.08	<10	1.70	832	<1	0.01	13	180	<2	0.27	<2	10
G278530		0.04	<10	<1	<0.01	<10	1.90	30	<1	0.02	<1	30	<2	0.09	2	<1
G278531		5.06	<10	<1	0.19	<10	2.80	1190	<1	0.01	24	270	<2	0.31	<2	20
G278532		5.11	<10	<1	0.21	<10	2.73	1265	<1	0.01	22	360	2	0.52	2	22
G278533		4.76	<10	<1	0.18	<10	2.02	1605	<1	0.01	22	460	<2	0.83	2	20
G278534		7.36	10	1	0.13	<10	1.59	1225	<1	0.01	38	740	2	0.59	<2	35



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12175298**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G278499		51	<20	<0.01	<10	<10	200	<10	112
G278500		32	<20	0.08	10	<10	56	<10	262
G278501		62	<20	<0.01	<10	<10	140	<10	124
G278502		114	<20	<0.01	<10	<10	78	<10	110
G278503		128	<20	<0.01	<10	<10	98	<10	98
G278504		110	<20	<0.01	<10	<10	142	<10	74
G278505		64	<20	<0.01	<10	<10	162	<10	90
G278506		125	<20	<0.01	<10	<10	127	<10	88
G278507		58	<20	<0.01	<10	<10	287	<10	126
G278508		96	<20	<0.01	<10	<10	145	<10	93
G278509		159	<20	<0.01	<10	<10	32	<10	40
G278510		5540	20	<0.01	<10	<10	2	<10	<2
G278511		79	<20	<0.01	<10	<10	99	<10	83
G278512		94	<20	<0.01	<10	<10	193	<10	109
G278513		115	<20	<0.01	<10	<10	118	<10	75
G278514		58	<20	<0.01	<10	<10	227	<10	101
G278515		154	<20	<0.01	<10	<10	68	<10	60
G278516		87	<20	0.01	<10	<10	196	<10	90
G278517		123	<20	<0.01	<10	<10	157	<10	86
G278518		45	<20	<0.01	<10	<10	336	<10	151
G278519		22	<20	0.01	<10	<10	320	<10	113
G278520		36	<20	0.10	<10	<10	49	40	49
G278521		49	<20	0.19	<10	<10	278	<10	102
G278522		41	<20	<0.01	<10	<10	263	<10	97
G278523		32	<20	<0.01	<10	<10	276	<10	114
G278524		87	<20	<0.01	<10	<10	224	<10	88
G278525		82	<20	<0.01	<10	<10	213	<10	87
G278526		86	<20	<0.01	<10	<10	232	<10	77
G278527		48	<20	<0.01	<10	<10	172	<10	108
G278528		113	<20	<0.01	<10	<10	25	<10	14
G278529		98	<20	<0.01	<10	<10	25	<10	12
G278530		5340	20	<0.01	<10	<10	1	<10	<2
G278531		183	<20	<0.01	<10	<10	48	<10	31
G278532		164	<20	<0.01	<10	<10	50	<10	32
G278533		121	<20	<0.01	<10	<10	55	<10	38
G278534		43	<20	<0.01	<10	<10	238	<10	104



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**CERTIFICATE TR12179267**

Project: CMV12-01  
 P.O. No.: CMV12-01\_33  
 This report is for 98 Drill Core samples submitted to our lab in Terrace, BC, Canada on 8-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
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<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager





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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12179267**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278535		0.96	2.38		0.3	0.25	1830	<10	30	<0.5	<2	7.6	<0.5	14	5	4
G278536		4.06	<0.005		<0.2	3.47	23	<10	20	<0.5	<2	2.74	<0.5	34	37	33
G278537		1.22	2.05		0.6	1.47	697	<10	40	0.5	<2	5.00	<0.5	34	15	39
G278538		1.07	0.685		<0.2	0.07	211	<10	10	<0.5	<2	0.98	<0.5	4	8	1
G278539		2.71	0.539		0.2	0.58	229	10	50	<0.5	<2	5.70	<0.5	31	25	97
G278540		0.08	9.76	9.92	0.6	1.43	3740	<10	60	<0.5	<2	0.78	<0.5	13	64	62
G278541		4.55	0.084		0.4	2.02	87	<10	30	<0.5	<2	5.37	<0.5	32	63	63
G278542		1.77	0.576		<0.2	0.61	227	<10	40	<0.5	<2	8.3	<0.5	27	20	56
G278543		1.59	0.811		<0.2	0.21	466	<10	30	<0.5	<2	4.35	<0.5	17	11	14
G278544		3.44	2.47		0.4	0.94	865	<10	40	<0.5	<2	5.48	<0.5	31	34	43
G278545		4.25	0.006		<0.2	1.07	101	<10	40	<0.5	<2	5.74	<0.5	31	42	65
G278546		1.14	0.237		0.4	0.47	247	<10	40	<0.5	<2	6.01	<0.5	28	24	49
G278547		4.10	<0.005		<0.2	2.61	20	<10	10	<0.5	<2	6.23	<0.5	34	141	76
G278548		4.06	<0.005		<0.2	2.91	35	<10	10	<0.5	<2	5.58	<0.5	32	113	64
G278549		3.17	<0.005		0.3	4.40	44	<10	10	<0.5	<2	5.32	<0.5	36	57	73
G278550		0.47	<0.005		<0.2	0.05	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G278551		3.91	0.009		0.3	2.61	78	<10	20	<0.5	<2	5.67	<0.5	33	38	47
G278552		2.74	0.017		<0.2	2.26	178	<10	10	0.5	<2	1.31	<0.5	37	44	47
G278553		1.97	<0.005		<0.2	2.21	62	<10	20	0.5	<2	2.93	<0.5	37	53	56
G278554		2.11	0.376		0.2	0.75	288	<10	70	<0.5	<2	8.1	<0.5	22	14	57
G278555		3.11	<0.005		<0.2	1.88	81	<10	50	<0.5	<2	7.9	<0.5	28	27	54
G278556		4.04	<0.005		<0.2	4.03	48	<10	30	<0.5	<2	5.38	<0.5	31	52	62
G278557		2.92	0.006		<0.2	2.74	60	<10	20	0.6	<2	7.1	<0.5	39	49	70
G278558		3.76	<0.005		<0.2	2.34	32	<10	30	0.8	<2	7.8	<0.5	34	53	54
G278559		2.62	<0.005		<0.2	1.01	21	<10	40	1.3	<2	12.0	<0.5	21	29	43
G278560		0.07	0.759		2.3	0.67	28	<10	50	<0.5	4	1.80	<0.5	7	30	6680
G278561		2.80	1.390		0.5	1.55	473	<10	80	0.6	<2	5.81	<0.5	30	28	60
G278562		1.16	1.620		0.3	0.25	1180	<10	50	<0.5	<2	6.14	<0.5	24	7	19
G278563		1.54	1.900		1.1	0.35	1730	<10	50	0.6	<2	7.2	<0.5	35	8	46
G278564		1.06	1.755		0.8	0.23	737	<10	40	0.5	<2	12.0	<0.5	25	7	34
G278565		4.45	3.95		0.9	0.40	1705	<10	60	0.6	<2	7.8	<0.5	36	10	31
G278566		4.18	0.580		0.3	1.24	449	<10	80	<0.5	<2	6.45	<0.5	32	20	58
G278567		0.88	0.006		<0.2	0.02	6	<10	<10	<0.5	<2	0.33	<0.5	<1	12	1
G278568		3.75	2.59		0.9	0.37	1210	<10	60	<0.5	<2	8.1	<0.5	37	10	50
G278569		1.94	2.68		<0.2	0.28	1320	<10	50	0.5	<2	11.6	<0.5	32	9	16
G278570		0.56	<0.005		<0.2	0.04	3	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G278571		2.72	4.68		0.3	0.38	1250	<10	60	0.5	<2	9.1	<0.5	39	9	37
G278572		2.14	0.069		<0.2	1.49	44	<10	100	0.6	<2	8.2	<0.5	27	39	46
G278573		1.16	0.008		<0.2	1.84	31	<10	20	0.8	<2	11.2	<0.5	31	52	51
G278574		0.59	<0.005		<0.2	1.67	107	<10	40	<0.5	<2	6.07	<0.5	37	13	47



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12179267**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G278535		4.47	<10	<1	0.08	<10	1.43	1210	<1	0.01	10	440	<2	0.72	<2	14
G278536		9.93	10	<1	<0.01	<10	1.84	1410	<1	0.01	25	1070	<2	0.12	<2	32
G278537		8.94	10	<1	0.15	<10	1.74	1470	<1	0.01	29	960	<2	2.77	6	24
G278538		2.01	<10	<1	0.04	<10	0.33	300	<1	0.01	4	100	<2	0.94	<2	3
G278539		6.33	<10	<1	0.34	<10	2.72	1180	<1	0.02	43	390	<2	0.83	<2	24
G278540		3.42	10	<1	0.15	10	0.82	368	6	0.06	60	450	6	0.84	32	4
G278541		7.24	<10	<1	0.12	<10	2.95	1240	<1	0.02	52	430	<2	0.17	<2	26
G278542		6.14	<10	<1	0.16	<10	2.54	1440	<1	0.02	31	370	<2	1.18	<2	22
G278543		4.85	<10	<1	0.09	<10	1.29	805	<1	0.01	25	270	2	3.01	<2	11
G278544		7.99	<10	<1	0.16	<10	2.80	1560	<1	0.02	36	560	<2	3.93	2	24
G278545		6.37	<10	<1	0.14	<10	3.13	1255	<1	0.03	58	340	<2	0.14	<2	24
G278546		5.37	<10	<1	0.17	<10	2.91	1170	<1	0.02	47	290	<2	1.11	2	20
G278547		5.85	10	<1	0.06	<10	2.79	1235	<1	0.02	63	400	<2	0.16	2	29
G278548		6.53	10	<1	0.05	<10	3.40	1285	<1	0.05	53	420	<2	0.08	<2	30
G278549		8.30	20	<1	0.01	<10	3.05	1080	<1	0.02	40	580	<2	0.20	<2	34
G278550		0.04	<10	<1	<0.01	<10	1.29	26	<1	0.02	<1	30	<2	0.05	<2	<1
G278551		6.98	10	<1	0.06	<10	2.77	1135	<1	0.04	35	590	<2	0.07	<2	31
G278552		6.74	10	<1	0.04	<10	1.18	797	<1	0.01	36	570	<2	0.06	<2	21
G278553		7.22	10	1	0.01	<10	1.18	1265	<1	0.01	39	640	<2	0.16	<2	33
G278554		5.64	<10	<1	0.15	<10	1.98	1090	<1	0.02	28	400	2	1.86	2	20
G278555		7.25	<10	<1	0.11	<10	3.05	1390	<1	0.02	34	520	<2	0.14	<2	27
G278556		8.48	10	<1	0.07	<10	3.06	1275	<1	0.02	37	610	<2	0.13	<2	29
G278557		7.03	10	<1	0.04	<10	2.05	1270	<1	0.01	43	640	<2	0.49	<2	30
G278558		5.89	10	<1	0.03	<10	1.93	1355	<1	0.01	41	630	<2	0.49	2	34
G278559		8.22	<10	<1	0.03	<10	1.20	1735	<1	0.02	22	400	<2	0.27	<2	33
G278560		6.36	<10	2	0.27	<10	0.82	865	8	0.05	14	580	20	2.59	23	3
G278561		6.75	<10	<1	0.21	<10	2.84	1320	<1	0.02	32	530	<2	2.56	<2	26
G278562		6.94	<10	<1	0.16	<10	2.48	1465	<1	0.01	27	340	2	5.64	<2	21
G278563		8.34	<10	<1	0.23	<10	2.81	1550	<1	0.02	35	180	<2	7.52	4	25
G278564		6.25	<10	<1	0.15	<10	5.38	3140	<1	0.02	25	120	<2	2.13	6	41
G278565		7.61	<10	<1	0.26	<10	3.19	1830	<1	0.02	38	250	2	5.74	7	27
G278566		7.51	<10	<1	0.16	<10	2.65	1300	<1	0.02	37	820	<2	1.78	3	25
G278567		0.83	<10	<1	0.01	<10	0.11	160	<1	0.01	1	140	<2	0.03	<2	1
G278568		8.20	<10	<1	0.19	<10	3.18	1795	<1	0.02	46	330	<2	4.35	5	29
G278569		7.37	<10	<1	0.17	<10	3.34	2110	<1	0.02	39	160	3	4.50	<2	33
G278570		0.06	<10	<1	<0.01	<10	1.64	24	<1	0.02	<1	30	<2	0.09	<2	<1
G278571		7.84	<10	<1	0.20	<10	3.28	1900	<1	0.02	49	370	2	4.44	4	27
G278572		7.00	<10	<1	0.09	<10	2.16	1580	<1	0.02	30	620	<2	0.22	<2	29
G278573		5.95	10	<1	0.04	<10	2.28	1495	<1	0.02	34	620	<2	0.22	<2	30
G278574		8.12	<10	<1	0.15	<10	2.85	1125	<1	0.06	34	580	<2	0.06	<2	26



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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12179267**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G278535		165	<20	<0.01	<10	<10	25	<10	30
G278536		36	<20	0.06	<10	<10	373	<10	129
G278537		110	<20	<0.01	<10	<10	120	<10	114
G278538		36	<20	<0.01	<10	<10	6	<10	3
G278539		106	<20	0.07	<10	<10	39	<10	65
G278540		37	<20	0.09	<10	<10	47	40	48
G278541		78	<20	<0.01	<10	<10	66	<10	81
G278542		104	<20	<0.01	<10	<10	39	<10	69
G278543		96	<20	<0.01	<10	<10	17	<10	24
G278544		176	<20	<0.01	<10	<10	52	<10	53
G278545		100	<20	<0.01	<10	<10	38	<10	66
G278546		149	<20	<0.01	<10	<10	23	<10	36
G278547		80	<20	0.01	<10	<10	154	<10	72
G278548		66	<20	0.01	<10	<10	154	<10	75
G278549		63	<20	0.01	<10	<10	249	<10	87
G278550		4900	20	<0.01	<10	<10	2	<10	<2
G278551		61	<20	0.01	<10	<10	144	<10	79
G278552		15	<20	<0.01	<10	<10	185	<10	89
G278553		24	<20	0.01	<10	<10	262	<10	94
G278554		98	<20	<0.01	<10	<10	53	<10	40
G278555		119	<20	<0.01	<10	<10	110	<10	76
G278556		66	<20	0.01	<10	<10	207	<10	81
G278557		63	<20	0.01	<10	<10	184	<10	101
G278558		111	<20	<0.01	<10	<10	200	<10	83
G278559		82	<20	<0.01	<10	<10	161	<10	64
G278560		63	<20	0.04	<10	<10	40	<10	98
G278561		190	<20	<0.01	<10	<10	84	<10	70
G278562		307	<20	<0.01	<10	<10	20	<10	29
G278563		356	<20	<0.01	<10	<10	26	<10	31
G278564		876	<20	<0.01	<10	<10	30	<10	46
G278565		382	<20	<0.01	<10	<10	30	<10	28
G278566		146	<20	<0.01	<10	<10	55	<10	68
G278567		20	<20	<0.01	<10	<10	1	<10	<2
G278568		328	<20	<0.01	<10	<10	23	<10	44
G278569		470	<20	<0.01	<10	<10	25	<10	30
G278570		4910	20	<0.01	<10	<10	1	<10	<2
G278571		409	<20	<0.01	<10	<10	26	<10	41
G278572		100	<20	<0.01	<10	<10	149	<10	82
G278573		108	<20	<0.01	<10	<10	162	<10	80
G278574		100	<20	<0.01	<10	<10	49	<10	100



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Sample Description	Method	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278575		0.70	<0.005		<0.2	1.46	117	<10	30	<0.5	<2	6.22	<0.5	38	13	49
G278576		2.07	1.025		<0.2	0.33	921	<10	50	<0.5	<2	7.7	<0.5	27	9	70
G278577		1.69	0.942		<0.2	0.44	392	<10	50	<0.5	<2	6.11	<0.5	35	13	42
G278578		3.99	0.065		<0.2	0.70	116	<10	30	<0.5	<2	5.02	<0.5	32	14	49
G278579		2.59	1.255		0.3	0.34	424	<10	50	<0.5	<2	6.25	<0.5	33	12	40
G278580		0.07	2.13		0.3	2.17	9	<10	80	<0.5	<2	0.66	<0.5	9	30	611
G278581		1.08	0.119		<0.2	0.40	151	<10	40	<0.5	<2	7.3	<0.5	31	10	50
G278582		2.45	2.00		<0.2	0.29	1460	<10	60	<0.5	<2	8.1	<0.5	35	8	10
G278583		3.12	1.245		0.2	0.29	778	<10	60	0.5	<2	10.7	<0.5	31	8	11
G278584		3.39	1.410		<0.2	0.32	961	<10	60	<0.5	<2	7.3	<0.5	42	8	14
G278585		2.91	0.454		0.6	0.44	230	<10	70	<0.5	<2	5.50	<0.5	33	12	58
G278586		1.60	1.240		0.4	0.31	1205	<10	50	<0.5	<2	7.1	<0.5	33	8	53
G278587		2.35	1.105		<0.2	0.40	751	<10	50	<0.5	<2	9.4	<0.5	30	8	28
G278588		2.18	0.012		<0.2	1.69	121	<10	20	<0.5	<2	5.50	<0.5	33	12	56
G278589		1.06	2.16		4.5	1.31	151	<10	20	<0.5	<2	8.9	7.1	28	12	1545
G278590		0.55	<0.005		<0.2	0.04	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G278591		2.04	0.020		<0.2	0.81	107	<10	30	<0.5	<2	6.05	<0.5	33	15	67
G278592		3.34	<0.005		<0.2	0.82	100	<10	20	<0.5	<2	7.8	<0.5	31	13	53
G278593		2.53	<0.005		<0.2	1.12	130	<10	20	<0.5	<2	6.29	<0.5	33	14	58
G278594		1.42	0.063		<0.2	0.99	1525	<10	30	<0.5	<2	7.5	<0.5	31	10	43
G278595		3.26	0.093		<0.2	0.91	228	<10	50	0.5	<2	8.1	<0.5	38	12	8
G278596		2.42	0.030		<0.2	0.49	228	<10	50	<0.5	<2	7.4	<0.5	38	15	19
G278597		4.09	0.014		<0.2	1.32	94	<10	20	<0.5	<2	6.18	<0.5	32	20	59
G278598		4.41	0.006		<0.2	2.19	72	<10	20	<0.5	<2	6.01	<0.5	34	40	55
G278599		2.41	0.028		<0.2	1.36	93	<10	20	<0.5	<2	6.9	<0.5	34	57	68
G278600		0.07	3.24		3.8	1.52	269	<10	300	<0.5	<2	1.37	1.5	9	54	71
G278601		2.17	0.012		0.2	1.24	76	<10	30	<0.5	<2	7.5	<0.5	32	39	53
G278602		1.56	0.008		<0.2	0.16	14	<10	10	1.8	<2	>25.0	<0.5	1	1	<1
G278603		3.28	0.103		0.2	0.65	193	<10	50	<0.5	<2	6.15	<0.5	47	8	1
G278604		2.26	0.587		<0.2	0.47	277	<10	60	<0.5	<2	7.2	<0.5	40	8	1
G278605		3.32	1.430		<0.2	0.52	1105	<10	70	<0.5	<2	9.4	<0.5	42	8	12
G278606		2.97	0.159		0.3	1.00	282	<10	60	0.5	<2	8.2	<0.5	45	19	11
G278607		1.65	0.554		0.2	0.99	613	<10	60	<0.5	<2	6.00	<0.5	45	8	5
G278608		2.00	0.307		0.2	0.66	1010	<10	50	<0.5	<2	9.5	<0.5	41	10	7
G278609		2.60	0.263		<0.2	0.75	334	<10	60	<0.5	<2	7.7	<0.5	39	12	8
G278610		0.55	<0.005		0.2	0.04	3	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	3
G278611		1.37	0.723		0.2	1.32	507	<10	50	<0.5	<2	7.8	<0.5	39	11	7
G278612		4.90	0.132		<0.2	1.40	205	<10	40	<0.5	<2	7.2	<0.5	41	17	8
G278613		1.54	0.358		<0.2	0.97	315	<10	60	<0.5	2	8.6	<0.5	40	15	6
G278614		3.34	0.391		<0.2	1.55	365	<10	60	<0.5	<2	7.13	<0.5	44	18	4



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G278575		7.56	<10	<1	0.12	<10	2.76	1115	<1	0.05	33	600	<2	0.09	<2	27
G278576		6.42	<10	<1	0.15	<10	2.43	1225	<1	0.03	23	750	<2	2.36	2	21
G278577		7.45	<10	<1	0.16	<10	3.06	1445	<1	0.04	43	420	<2	1.79	<2	25
G278578		7.38	<10	<1	0.13	<10	3.04	1190	<1	0.05	36	560	<2	0.27	3	25
G278579		7.55	<10	<1	0.18	<10	3.32	1330	<1	0.03	37	380	<2	1.82	2	24
G278580		4.32	10	<1	0.14	10	0.89	762	9	0.08	21	650	11	0.09	<2	5
G278581		7.09	<10	<1	0.15	<10	3.13	1230	<1	0.03	35	440	<2	0.35	4	23
G278582		7.71	<10	<1	0.17	<10	3.31	1575	<1	0.03	38	130	<2	4.96	<2	24
G278583		6.44	<10	<1	0.16	<10	3.53	1815	<1	0.02	33	500	<2	3.00	2	28
G278584		9.33	<10	<1	0.18	<10	3.64	1525	<1	0.02	48	260	<2	4.59	<2	30
G278585		7.56	<10	<1	0.17	<10	3.29	1340	1	0.03	37	450	<2	0.86	3	23
G278586		7.09	<10	<1	0.16	<10	3.21	1285	<1	0.02	35	400	<2	1.94	4	22
G278587		7.15	<10	<1	0.17	<10	3.02	1315	<1	0.02	34	260	<2	3.21	<2	20
G278588		7.82	<10	<1	0.11	<10	3.17	1125	<1	0.03	36	430	<2	0.23	5	22
G278589		6.74	<10	<1	0.10	<10	2.76	1160	<1	0.03	30	310	<2	0.58	119	20
G278590		0.06	<10	<1	0.01	<10	1.75	27	<1	0.02	<1	30	<2	0.06	2	<1
G278591		7.64	<10	<1	0.13	<10	3.26	1275	<1	0.06	37	450	<2	0.20	8	24
G278592		6.99	<10	<1	0.08	<10	3.15	1285	<1	0.07	33	430	<2	0.11	<2	25
G278593		7.66	<10	<1	0.10	<10	3.31	1255	<1	0.07	37	480	<2	0.13	<2	25
G278594		7.68	<10	<1	0.13	<10	3.49	1300	<1	0.04	34	490	<2	0.59	<2	22
G278595		8.57	<10	<1	0.18	<10	4.13	1660	<1	0.03	43	510	<2	0.36	<2	27
G278596		7.73	<10	<1	0.20	<10	3.95	1520	<1	0.02	54	400	<2	0.22	<2	26
G278597		7.25	<10	<1	0.10	<10	3.10	1330	<1	0.03	32	550	<2	0.36	<2	25
G278598		7.55	10	<1	0.07	<10	2.92	1560	<1	0.02	35	620	<2	0.23	<2	27
G278599		7.51	<10	<1	0.08	<10	3.13	1540	<1	0.03	40	420	<2	0.09	<2	29
G278600		3.38	<10	5	0.14	<10	0.80	454	13	0.08	39	750	294	0.63	24	4
G278601		7.66	<10	<1	0.08	<10	2.81	1570	<1	0.03	33	630	<2	0.16	2	25
G278602		1.97	<10	<1	<0.01	<10	0.30	890	<1	0.02	3	70	<2	0.10	4	7
G278603		11.05	<10	<1	0.17	<10	4.54	1860	<1	0.06	38	870	<2	0.24	<2	34
G278604		10.85	<10	<1	0.19	<10	4.19	1835	1	0.04	34	960	<2	0.67	<2	32
G278605		10.50	<10	<1	0.22	<10	3.88	1970	1	0.03	40	2340	4	4.28	3	34
G278606		9.84	<10	<1	0.20	<10	3.90	1875	<1	0.02	55	680	2	0.55	<2	31
G278607		11.05	<10	<1	0.18	<10	3.81	1695	1	0.02	36	1050	2	1.75	2	31
G278608		10.15	<10	<1	0.18	<10	4.33	1985	1	0.02	39	1190	<2	0.52	3	37
G278609		10.10	<10	<1	0.19	<10	3.93	1910	1	0.02	41	600	<2	1.20	<2	31
G278610		0.07	<10	1	0.01	<10	1.80	33	<1	0.02	1	50	<2	0.09	<2	<1
G278611		9.75	<10	<1	0.18	<10	3.86	1645	<1	0.03	38	2110	2	1.27	2	31
G278612		8.44	<10	<1	0.16	<10	3.82	1580	1	0.03	46	600	<2	0.39	<2	31
G278613		8.80	<10	<1	0.17	<10	4.03	1695	<1	0.03	49	560	2	0.90	2	31
G278614		9.27	<10	<1	0.18	<10	4.10	1675	<1	0.03	54	500	<2	0.89	<2	33



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**CERTIFICATE OF ANALYSIS TR12179267**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G278575		99	<20	<0.01	<10	<10	45	<10	103
G278576		148	<20	<0.01	<10	<10	30	<10	41
G278577		126	<20	<0.01	<10	<10	36	<10	57
G278578		85	<20	<0.01	<10	<10	34	<10	73
G278579		202	<20	<0.01	<10	<10	29	<10	59
G278580		32	<20	0.15	<10	<10	62	<10	84
G278581		126	<20	<0.01	<10	<10	29	<10	59
G278582		334	<20	<0.01	<10	<10	25	<10	28
G278583		395	<20	<0.01	<10	<10	27	<10	35
G278584		269	<20	<0.01	<10	<10	28	<10	50
G278585		143	<20	<0.01	<10	<10	32	<10	78
G278586		240	<20	<0.01	<10	<10	21	<10	54
G278587		251	<20	<0.01	<10	<10	23	<10	43
G278588		108	<20	<0.01	<10	<10	30	<10	112
G278589		119	<20	<0.01	<10	<10	29	<10	3850
G278590		5480	20	<0.01	<10	<10	2	<10	6
G278591		98	<20	<0.01	<10	<10	35	<10	87
G278592		73	<20	<0.01	<10	<10	36	<10	76
G278593		89	<20	<0.01	<10	<10	37	<10	76
G278594		148	<20	<0.01	<10	<10	29	<10	65
G278595		161	<20	<0.01	<10	<10	39	<10	55
G278596		151	<20	<0.01	<10	<10	27	<10	65
G278597		72	<20	<0.01	<10	<10	83	<10	93
G278598		67	<20	<0.01	<10	<10	131	<10	96
G278599		59	<20	<0.01	<10	<10	90	<10	92
G278600		36	<20	0.10	10	<10	60	<10	267
G278601		58	<20	<0.01	<10	<10	118	<10	84
G278602		51	<20	<0.01	<10	<10	18	<10	4
G278603		133	<20	<0.01	<10	<10	55	<10	64
G278604		141	<20	<0.01	<10	<10	47	<10	64
G278605		252	<20	<0.01	<10	<10	50	<10	59
G278606		191	<20	<0.01	<10	<10	65	<10	71
G278607		187	<20	<0.01	<10	<10	62	<10	86
G278608		270	<20	<0.01	<10	<10	52	<10	73
G278609		183	<20	<0.01	<10	<10	42	<10	73
G278610		5570	30	<0.01	<10	<10	1	<10	<2
G278611		211	<20	<0.01	<10	<10	39	<10	69
G278612		144	<20	<0.01	<10	<10	47	<10	63
G278613		174	<20	<0.01	<10	<10	38	<10	59
G278614		132	<20	<0.01	<10	<10	44	<10	59



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278615		3.58	0.101		<0.2	1.10	173	<10	40	<0.5	<2	7.6	<0.5	36	17	30
G278616		3.39	0.117		0.2	1.05	176	<10	40	<0.5	<2	10.0	<0.5	38	17	8
G278617		2.76	0.028		0.4	2.63	111	<10	30	<0.5	<2	7.8	<0.5	37	19	46
G278618		2.96	0.120		<0.2	2.01	148	<10	80	<0.5	<2	6.48	<0.5	36	28	59
G278619		4.08	<0.005		0.2	2.18	78	<10	30	<0.5	<2	6.26	<0.5	33	31	66
G278620		0.08	9.55	9.77	0.6	1.51	3870	<10	60	<0.5	2	0.81	<0.5	13	66	64
G278621		3.25	0.005		<0.2	2.32	79	<10	30	<0.5	<2	6.01	<0.5	36	34	64
G278622		3.11	0.141		<0.2	0.99	1495	<10	60	<0.5	<2	7.3	<0.5	38	12	33
G278623		3.92	0.360		<0.2	0.64	239	<10	50	<0.5	<2	8.2	<0.5	40	9	6
G278624		3.78	0.011		<0.2	3.26	48	<10	40	<0.5	2	5.51	<0.5	35	37	67
G278625			0.005		<0.2	3.29	52	<10	40	<0.5	<2	5.52	<0.5	36	37	66
G278626		4.00	0.060		0.2	2.42	81	<10	40	0.6	<2	6.54	<0.5	33	45	65
G278627		1.38	0.045		<0.2	1.57	54	<10	60	0.6	<2	6.04	<0.5	26	39	39
G278628		3.26	0.034		<0.2	3.17	27	<10	50	<0.5	<2	5.74	<0.5	33	68	72
G278629		1.11	0.332		0.4	0.78	314	<10	90	<0.5	<2	8.5	<0.5	31	10	45
G278630		0.54	<0.005		0.3	0.05	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	4
G278631		3.55	0.032		<0.2	1.90	78	<10	90	<0.5	<2	4.98	<0.5	29	24	72
G278632		2.45	0.044		0.3	1.57	68	<10	70	0.6	<2	9.5	<0.5	34	15	104



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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12179267**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G278615		8.28	<10	1	0.14	<10	3.56	1670	<1	0.03	42	470	<2	0.43	<2	28
G278616		7.94	<10	1	0.15	<10	4.03	1985	<1	0.02	44	710	<2	0.24	<2	34
G278617		9.20	<10	1	0.11	<10	3.67	1910	1	0.02	40	660	<2	0.20	<2	31
G278618		7.60	10	<1	0.10	<10	3.36	1590	<1	0.03	42	550	<2	0.32	<2	30
G278619		7.20	10	<1	0.12	<10	3.25	1310	<1	0.02	39	530	<2	0.04	<2	26
G278620		3.52	10	<1	0.16	10	0.86	396	7	0.06	63	490	7	0.89	33	5
G278621		7.80	10	<1	0.12	<10	2.97	1575	1	0.02	41	590	<2	0.03	<2	25
G278622		7.36	<10	<1	0.16	<10	3.02	1300	1	0.02	43	410	3	0.21	2	24
G278623		8.80	<10	<1	0.17	<10	3.76	1640	<1	0.03	43	500	2	0.43	<2	29
G278624		8.22	10	1	0.10	<10	3.06	1380	1	0.02	37	680	2	0.10	<2	30
G278625		8.29	10	1	0.10	<10	3.05	1380	1	0.03	37	690	<2	0.10	<2	30
G278626		7.65	10	<1	0.15	<10	3.07	1435	<1	0.03	41	610	<2	0.17	<2	29
G278627		6.65	<10	<1	0.12	<10	2.34	1230	<1	0.02	35	540	<2	0.39	<2	25
G278628		7.70	10	<1	0.10	<10	3.22	1275	1	0.03	44	590	<2	0.12	4	28
G278629		6.34	<10	<1	0.21	<10	2.95	1285	<1	0.02	35	510	4	2.00	4	22
G278630		0.07	<10	<1	<0.01	<10	1.87	37	<1	0.02	2	40	<2	0.07	<2	<1
G278631		6.56	10	<1	0.14	<10	2.41	1315	<1	0.03	29	620	2	0.56	<2	25
G278632		6.32	<10	1	0.16	<10	2.42	1890	<1	0.02	29	560	2	0.45	<2	27





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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12179267**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G278615		110	<20	<0.01	<10	<10	55	<10	69
G278616		159	<20	<0.01	<10	<10	67	<10	48
G278617		105	<20	<0.01	<10	<10	80	<10	53
G278618		72	<20	<0.01	<10	<10	91	<10	62
G278619		67	<20	<0.01	<10	<10	82	<10	77
G278620		39	<20	0.10	<10	<10	49	40	50
G278621		58	<20	<0.01	<10	<10	98	<10	85
G278622		136	<20	<0.01	<10	<10	35	<10	64
G278623		153	<20	<0.01	<10	<10	32	<10	63
G278624		76	<20	0.01	<10	<10	201	<10	102
G278625		74	<20	0.01	<10	<10	203	<10	101
G278626		112	<20	0.01	<10	<10	144	<10	80
G278627		85	<20	<0.01	<10	<10	125	<10	71
G278628		79	<20	0.06	<10	<10	195	<10	88
G278629		170	<20	<0.01	<10	<10	58	<10	107
G278630		4910	20	<0.01	<10	10	2	<10	<2
G278631		113	<20	0.01	<10	<10	127	<10	75
G278632		150	<20	<0.01	<10	<10	126	<10	87



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**CERTIFICATE TR12179268**

Project: CMV12-01  
 P.O. No.: CMV12-01\_34  
 This report is for 54 Drill Core samples submitted to our lab in Terrace, BC, Canada on 8-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12179268**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
G278633		2.41	0.764		0.2	0.50	300	<10	40	<0.5	2	5.60	<0.5	33	6	86
G278634		3.46	6.95	6.78	0.5	0.42	1165	<10	50	<0.5	<2	8.7	<0.5	36	10	54
G278635		2.73	0.834		<0.2	0.27	527	<10	30	0.6	2	12.9	<0.5	23	6	17
G278636		2.43	0.700		0.2	0.30	261	<10	40	<0.5	<2	8.1	<0.5	25	7	42
G278637		3.79	0.029		0.2	0.42	103	<10	20	<0.5	<2	5.51	<0.5	30	9	55
G278638		1.89	<0.005		<0.2	0.99	82	<10	10	<0.5	<2	5.84	<0.5	35	19	76
G278639		3.45	0.191		0.2	2.22	86	<10	10	<0.5	<2	5.98	<0.5	38	26	47
G278640		0.07	0.255		0.4	0.40	468	<10	380	<0.5	<2	1.07	<0.5	3	43	40
G278641		2.37	0.322		0.2	0.93	117	<10	40	<0.5	<2	5.76	<0.5	33	13	66
G278642		1.30	0.183		0.2	0.13	261	<10	20	<0.5	<2	12.0	<0.5	14	6	103
G278643		3.94	0.022		<0.2	2.68	84	<10	20	<0.5	<2	5.44	<0.5	36	41	56
G278644		2.66	0.017		<0.2	2.58	122	<10	40	<0.5	<2	6.54	<0.5	36	43	58
G278645		1.54	0.136		<0.2	1.59	69	<10	690	0.7	<2	5.76	<0.5	39	43	53
G278646		2.96	0.023		<0.2	2.17	94	<10	50	<0.5	<2	5.77	<0.5	35	64	68
G278647		1.44	0.300		<0.2	1.73	392	<10	90	0.6	<2	6.99	<0.5	34	28	66
G278648		4.42	0.123		<0.2	0.96	127	<10	60	0.7	2	6.36	<0.5	33	42	59
G278649		3.10	0.042		<0.2	1.02	71	<10	50	<0.5	<2	7.26	<0.5	28	42	49
G278650		0.69	<0.005		<0.2	0.04	3	<10	10	<0.5	<2	>25.0	<0.5	1	1	<1
G278651		2.46	<0.005		<0.2	1.52	17	<10	90	0.6	<2	2.92	<0.5	43	90	85
G278652		3.78	<0.005		<0.2	4.56	<2	<10	10	<0.5	<2	6.43	<0.5	34	75	64
G278653		2.55	<0.005		0.2	2.90	21	<10	20	<0.5	<2	6.42	<0.5	33	52	58
G278654		3.56	0.554		<0.2	0.38	2100	<10	40	<0.5	<2	6.82	<0.5	31	10	52
G278655		1.82	0.365		0.2	0.03	524	<10	<10	<0.5	<2	0.46	<0.5	1	11	40
G278656		0.93	0.851		0.2	0.74	3350	<10	50	<0.5	<2	6.08	<0.5	33	10	46
G278657		3.86	<0.005		<0.2	3.54	29	<10	10	<0.5	<2	5.89	<0.5	37	75	86
G278658		4.17	<0.005		<0.2	0.82	82	<10	20	<0.5	<2	6.38	<0.5	33	16	68
G278659		4.16	<0.005		<0.2	1.11	188	<10	20	<0.5	<2	6.15	<0.5	36	17	74
G278660		0.07	0.481		2.3	0.76	28	<10	60	<0.5	4	1.89	0.6	8	33	7330
G278661		1.56	<0.005		<0.2	2.08	84	<10	40	<0.5	<2	6.41	<0.5	37	17	75
G278662		3.26	0.047		<0.2	1.51	209	<10	30	<0.5	<2	6.13	<0.5	32	12	52
G278663		1.37	0.556		<0.2	1.00	233	<10	20	<0.5	<2	6.63	<0.5	33	11	49
G278664		2.65	1.245		0.3	0.62	780	<10	40	0.5	<2	12.5	<0.5	26	8	27
G278665		0.91	<0.005		<0.2	4.14	39	<10	20	<0.5	<2	6.41	<0.5	37	76	72
G278666		3.36	<0.005		0.2	4.97	6	<10	20	<0.5	<2	6.22	<0.5	35	78	69
G278667		3.51	<0.005		<0.2	4.39	20	<10	10	<0.5	<2	6.58	<0.5	35	76	69
G278668		1.66	0.059		<0.2	3.00	73	<10	50	0.6	<2	5.57	<0.5	36	49	61
G278669		4.08	0.452		<0.2	2.36	102	<10	40	0.9	<2	4.29	<0.5	42	51	89
G278670		0.61	<0.005		<0.2	0.06	3	<10	<10	<0.5	2	>25.0	<0.5	1	1	<1
G278671		1.78	0.006		<0.2	2.97	5	<10	60	0.9	<2	2.63	<0.5	48	73	89
G278672		2.57	0.664		0.2	0.70	592	<10	60	<0.5	<2	6.47	<0.5	34	14	53



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**CERTIFICATE OF ANALYSIS TR12179268**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G278633		8.71	<10	<1	0.18	<10	2.47	1490	<1	0.02	30	810	<2	0.81	<2	26
G278634		8.16	<10	<1	0.20	<10	3.59	1840	<1	0.02	34	300	<2	3.50	<2	30
G278635		6.84	<10	<1	0.14	<10	2.37	1520	<1	0.02	27	490	<2	1.48	<2	18
G278636		6.75	<10	<1	0.17	<10	2.13	1250	<1	0.02	25	570	<2	0.86	2	15
G278637		8.70	<10	<1	0.12	<10	2.94	1480	<1	0.05	32	710	<2	0.18	4	25
G278638		8.79	<10	<1	0.08	<10	2.89	1370	<1	0.06	32	720	2	0.28	2	25
G278639		9.15	10	<1	0.05	<10	3.10	1455	<1	0.03	35	740	2	0.18	<2	28
G278640		4.10	<10	4	0.10	10	0.03	76	13	0.03	15	140	14	0.23	27	1
G278641		8.71	<10	<1	0.15	<10	2.88	1550	<1	0.03	31	740	<2	0.39	<2	27
G278642		4.04	<10	<1	0.07	<10	1.34	1230	<1	0.01	14	300	<2	0.84	<2	13
G278643		9.12	10	<1	0.08	<10	2.98	1405	<1	0.02	35	710	2	0.22	<2	30
G278644		8.19	10	<1	0.03	<10	2.28	1495	<1	0.03	39	730	3	0.26	2	32
G278645		9.24	10	1	0.01	<10	1.26	2650	<1	0.03	32	870	2	0.31	<2	34
G278646		6.28	10	<1	0.05	<10	2.94	1370	<1	0.04	48	330	2	0.07	2	29
G278647		6.36	<10	<1	0.12	<10	2.31	1605	<1	0.03	34	760	2	0.56	3	29
G278648		7.02	<10	1	0.07	<10	1.89	1650	<1	0.03	38	600	<2	0.66	2	28
G278649		6.13	<10	<1	0.08	<10	2.32	1400	<1	0.03	36	420	2	0.38	2	25
G278650		0.06	<10	<1	<0.01	<10	1.38	33	<1	0.03	2	40	2	0.07	<2	<1
G278651		8.32	<10	1	0.03	<10	1.36	1710	<1	0.03	55	630	2	0.47	2	36
G278652		7.05	10	<1	0.01	<10	2.98	1345	<1	0.04	41	630	3	0.11	2	32
G278653		7.00	10	<1	0.07	<10	2.78	1300	<1	0.04	39	610	3	0.15	2	28
G278654		6.37	<10	1	0.14	<10	2.75	1370	<1	0.03	34	550	4	1.12	2	24
G278655		0.41	<10	<1	<0.01	<10	0.10	91	<1	0.02	3	430	<2	0.08	<2	1
G278656		6.20	<10	<1	0.15	<10	2.50	1215	<1	0.03	38	480	2	0.83	2	24
G278657		7.17	10	<1	0.03	<10	3.30	1370	<1	0.05	47	540	2	0.13	<2	34
G278658		6.29	<10	<1	0.09	<10	2.83	1295	<1	0.05	46	460	2	0.16	<2	25
G278659		6.62	<10	<1	0.11	<10	2.95	1205	<1	0.06	53	440	<2	0.16	<2	23
G278660		6.36	<10	2	0.26	<10	0.80	943	8	0.07	15	630	23	3.01	22	3
G278661		7.26	<10	1	0.10	<10	2.74	1190	<1	0.04	43	530	<2	0.10	<2	31
G278662		6.48	<10	<1	0.10	<10	2.39	1225	<1	0.04	39	730	<2	0.21	2	25
G278663		7.13	<10	<1	0.08	<10	2.69	1370	<1	0.04	38	580	2	0.51	<2	24
G278664		6.44	<10	<1	0.12	<10	2.00	1880	<1	0.04	28	360	2	3.88	3	22
G278665		7.57	10	1	0.02	<10	3.19	1575	<1	0.04	44	780	2	0.27	4	31
G278666		7.66	20	<1	0.02	<10	3.19	1585	1	0.05	42	680	<2	0.13	4	31
G278667		6.99	10	<1	0.01	<10	2.80	1420	<1	0.04	42	620	2	0.20	2	31
G278668		6.87	10	<1	0.07	<10	2.29	1280	<1	0.03	43	690	2	0.25	<2	31
G278669		8.33	10	1	0.06	<10	1.62	1630	<1	0.04	46	870	4	0.91	3	34
G278670		0.08	<10	1	<0.01	<10	1.66	38	<1	0.03	3	40	<2	0.09	<2	<1
G278671		11.45	10	1	0.01	10	1.70	1870	<1	0.03	48	810	3	0.57	4	34
G278672		7.35	<10	1	0.17	<10	2.89	1425	<1	0.02	42	570	3	2.92	2	21



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**CERTIFICATE OF ANALYSIS TR12179268**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G278633		152	<20	<0.01	<10	<10	25	<10	84
G278634		387	<20	<0.01	<10	<10	33	<10	48
G278635		169	<20	<0.01	<10	<10	24	<10	45
G278636		107	<20	<0.01	<10	<10	23	<10	62
G278637		83	<20	<0.01	<10	<10	36	<10	104
G278638		67	<20	<0.01	<10	<10	79	<10	96
G278639		59	<20	<0.01	<10	<10	104	<10	103
G278640		78	<20	0.01	10	<10	29	10	23
G278641		83	<20	<0.01	<10	<10	50	<10	85
G278642		108	<20	<0.01	<10	<10	15	<10	22
G278643		70	<20	0.02	<10	<10	211	<10	105
G278644		87	<20	0.02	<10	<10	271	<10	106
G278645		105	<20	0.01	<10	<10	301	<10	122
G278646		107	<20	0.01	<10	<10	139	<10	74
G278647		126	<20	0.01	<10	<10	118	<10	79
G278648		82	<20	<0.01	<10	<10	135	<10	83
G278649		127	<20	<0.01	<10	<10	88	<10	75
G278650		5550	20	<0.01	<10	<10	1	<10	<2
G278651		62	<20	<0.01	<10	<10	206	<10	102
G278652		66	<20	0.06	<10	<10	281	<10	84
G278653		69	<20	0.02	<10	<10	163	<10	83
G278654		192	<20	<0.01	<10	<10	24	<10	54
G278655		19	<20	<0.01	<10	<10	3	<10	9
G278656		170	<20	<0.01	<10	<10	22	<10	58
G278657		83	<20	0.02	<10	<10	229	<10	84
G278658		133	<20	<0.01	<10	<10	28	<10	75
G278659		130	<20	<0.01	<10	<10	32	<10	73
G278660		74	<20	0.04	<10	<10	41	<10	101
G278661		99	<20	<0.01	<10	<10	37	<10	73
G278662		106	<20	<0.01	<10	<10	34	<10	69
G278663		122	<20	<0.01	<10	<10	27	<10	65
G278664		253	<20	<0.01	<10	<10	47	<10	29
G278665		95	<20	0.01	<10	<10	242	<10	90
G278666		59	<20	0.27	<10	<10	286	<10	83
G278667		59	<20	0.17	<10	<10	287	<10	86
G278668		84	<20	0.01	<10	<10	193	<10	80
G278669		132	<20	<0.01	<10	<10	213	<10	124
G278670		5610	20	<0.01	<10	<10	2	<10	<2
G278671		82	<20	<0.01	<10	<10	297	<10	99
G278672		178	<20	<0.01	<10	<10	45	<10	71



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**CERTIFICATE OF ANALYSIS TR12179268**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278673		1.42	1.470		0.4	0.28	1680	<10	50	<0.5	<2	7.7	<0.5	41	8	14
G278674		0.62	0.354		<0.2	0.09	307	<10	20	<0.5	<2	1.95	<0.5	8	9	1
G278675		0.56	0.148		<0.2	0.04	161	<10	10	<0.5	<2	1.05	<0.5	6	10	<1
G278676		1.69	1.350		0.2	0.26	1235	<10	40	<0.5	<2	7.4	<0.5	35	7	23
G278677		2.82	0.738		<0.2	0.74	635	<10	40	0.5	<2	6.21	<0.5	35	11	47
G278678		3.16	<0.005		<0.2	4.43	33	<10	10	<0.5	<2	6.16	<0.5	36	72	79
G278679		3.21	<0.005		<0.2	4.48	15	<10	10	<0.5	<2	5.78	<0.5	35	78	73
G278680		0.07	2.06		0.3	2.06	11	<10	70	<0.5	<2	0.57	<0.5	9	28	631
G278681		3.41	<0.005		<0.2	4.15	<2	<10	10	<0.5	<2	4.79	<0.5	34	95	76
G278682		4.88	<0.005		<0.2	2.65	<2	<10	10	<0.5	<2	1.87	<0.5	28	58	77
G278683		3.70	0.069		<0.2	1.54	112	<10	70	0.8	<2	6.45	<0.5	31	41	70
G278684		1.40	0.006		<0.2	2.18	20	<10	40	<0.5	<2	7.6	<0.5	30	33	192
G278685		3.41	0.238		<0.2	0.87	109	<10	50	0.6	<2	8.9	<0.5	29	29	71
G278686		2.13	0.080		<0.2	0.96	68	<10	40	<0.5	<2	6.57	<0.5	28	17	54



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**CERTIFICATE OF ANALYSIS TR12179268**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	
Units		%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	
LOR		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	
G278673		8.77	<10	1	0.15	<10	3.43	1720	<1	0.02	40	380	2	8.24	2	29
G278674		2.27	<10	<1	0.05	<10	0.73	509	<1	0.01	4	40	<2	1.24	<2	5
G278675		1.51	<10	<1	0.02	<10	0.40	306	<1	<0.01	2	40	<2	0.73	<2	3
G278676		7.27	<10	<1	0.14	<10	3.34	1655	<1	0.02	31	400	<2	4.82	2	26
G278677		7.52	<10	<1	0.17	<10	2.86	1385	<1	0.01	30	600	<2	3.04	3	25
G278678		7.73	20	<1	0.02	<10	3.27	1365	<1	0.02	38	680	<2	0.19	2	31
G278679		7.52	20	1	<0.01	<10	3.39	1390	<1	0.02	38	630	<2	0.22	5	31
G278680		4.03	10	<1	0.12	10	0.85	735	8	0.07	18	640	10	0.09	4	5
G278681		6.94	10	<1	0.01	<10	3.36	1365	<1	0.03	39	480	<2	0.14	4	24
G278682		5.02	10	<1	<0.01	<10	1.92	883	<1	0.04	32	520	<2	0.17	<2	6
G278683		5.55	<10	<1	0.16	<10	2.71	1365	<1	0.02	38	430	<2	0.38	2	25
G278684		5.58	10	1	0.08	<10	1.91	1315	<1	0.02	27	460	<2	0.25	3	17
G278685		6.64	<10	<1	0.08	<10	1.92	1665	<1	0.01	30	430	<2	0.56	<2	26
G278686		5.98	<10	<1	0.17	<10	2.15	1860	<1	0.01	22	450	<2	0.71	3	23



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12179268**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G278673		371	<20	<0.01	<10	<10	27	<10	33
G278674		83	<20	<0.01	<10	<10	7	<10	5
G278675		42	<20	<0.01	<10	<10	3	<10	2
G278676		284	<20	<0.01	<10	<10	23	<10	44
G278677		143	<20	<0.01	<10	<10	32	<10	69
G278678		45	<20	0.20	<10	<10	298	<10	99
G278679		38	<20	0.42	<10	<10	293	<10	98
G278680		28	<20	0.13	<10	<10	58	<10	82
G278681		35	<20	0.33	<10	<10	235	<10	81
G278682		23	<20	0.34	<10	<10	140	<10	58
G278683		144	<20	0.06	<10	<10	68	<10	71
G278684		78	<20	0.23	<10	<10	136	<10	65
G278685		68	<20	<0.01	<10	<10	129	<10	71
G278686		109	<20	<0.01	<10	<10	110	<10	102





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**CERTIFICATE TR12189784**

Project: CMV12-01  
 P.O. No.: CMV12-01\_35  
 This report is for 56 Drill Core samples submitted to our lab in Terrace, BC, Canada on 14-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-0C	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Comments: Additional Au-AA23 check assay on sample G278712 reports 0.192ppm and 1.045ppm.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12189784**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
G278687		1.14	1.920		1.2	0.13	938	<10	30	<0.5	<2	2.01	<0.5	15	9	19
G278688		2.79	0.013		<0.2	0.69	143	<10	20	<0.5	<2	5.22	<0.5	38	9	58
G278689		2.10	<0.005		<0.2	0.60	98	<10	20	<0.5	<2	4.87	<0.5	40	12	63
G278690		0.69	<0.005		<0.2	0.05	2	<10	10	<0.5	<2	>25.0	<0.5	<1	1	<1
G278691		2.43	1.935		1.5	0.33	5970	<10	60	<0.5	<2	3.93	<0.5	40	9	60
G278692		3.34	0.070		0.2	1.13	278	<10	40	<0.5	<2	5.71	<0.5	36	26	63
G278693		1.76	0.023		<0.2	2.90	204	<10	20	<0.5	<2	5.52	<0.5	35	30	53
G278694		3.85	<0.005		<0.2	4.23	67	<10	10	<0.5	<2	5.58	<0.5	37	44	67
G278695		4.48	<0.005		<0.2	3.08	50	<10	10	<0.5	<2	6.06	<0.5	34	43	70
G278696		3.97	0.348		0.2	2.39	192	<10	20	<0.5	<2	5.83	<0.5	34	24	54
G278697		3.22	0.044		<0.2	3.34	51	<10	10	<0.5	<2	8.7	<0.5	34	37	71
G278698		4.24	<0.005		<0.2	5.11	10	<10	10	<0.5	<2	6.54	<0.5	37	51	65
G278699		3.72	<0.005		<0.2	3.94	20	<10	10	<0.5	<2	7.1	<0.5	35	45	56
G278700		0.08	3.44		3.9	1.54	284	<10	300	<0.5	<2	1.37	1.6	9	56	75
G278701		4.17	<0.005		<0.2	3.82	57	<10	10	<0.5	<2	6.12	<0.5	37	118	75
G278702		3.47	0.037		<0.2	3.35	78	<10	20	<0.5	<2	5.62	<0.5	42	68	82
G278703		4.23	<0.005		<0.2	3.87	19	<10	30	<0.5	<2	5.63	<0.5	42	27	57
G278704		4.46	0.048		<0.2	2.85	89	<10	100	<0.5	<2	5.81	<0.5	38	24	61
G278705		2.11	0.653		0.3	1.19	340	<10	80	<0.5	<2	5.09	<0.5	27	9	51
G278706		4.10	0.054		<0.2	3.41	145	<10	30	<0.5	<2	6.30	<0.5	42	37	45
G278707		2.75	0.045		<0.2	1.99	180	<10	70	<0.5	<2	6.44	<0.5	34	24	69
G278708		1.45	0.057		<0.2	2.81	136	<10	30	<0.5	<2	7.8	<0.5	35	21	56
G278709		3.29	1.555		0.4	1.00	922	<10	40	<0.5	<2	6.43	<0.5	28	12	31
G278710		0.73	<0.005		<0.2	0.04	4	<10	10	<0.5	<2	>25.0	<0.5	<1	1	<1
G278711		3.88	0.165		<0.2	0.94	136	<10	30	<0.5	<2	5.25	<0.5	35	15	66
G278712		1.15	0.745		0.2	0.03	41	<10	<10	<0.5	<2	5.22	<0.5	1	8	3
G278713		4.54	0.207		0.2	1.81	109	<10	30	0.6	<2	5.86	<0.5	33	23	54
G278714		4.55	<0.005		<0.2	3.03	12	<10	10	0.7	<2	5.56	<0.5	36	34	44
G278715		3.12	<0.005		<0.2	3.06	18	<10	10	0.7	<2	5.24	<0.5	39	35	71
G278716		4.08	<0.005		<0.2	1.40	52	<10	30	<0.5	<2	5.96	<0.5	33	38	58
G278717		1.74	1.445		0.3	1.49	231	<10	30	0.5	<2	10.7	<0.5	29	59	68
G278718		1.15	0.393		<0.2	0.21	360	<10	20	<0.5	<2	4.64	<0.5	11	12	2
G278719		1.31	0.797		0.2	0.47	277	<10	50	<0.5	<2	4.62	<0.5	35	8	53
G278720		0.07	9.74	9.69	0.6	1.50	4000	<10	60	<0.5	2	0.80	<0.5	14	68	64
G278721		4.13	0.049		<0.2	2.10	99	<10	40	0.6	<2	6.07	<0.5	36	33	62
G278722		3.50	0.037		<0.2	3.52	59	<10	50	0.6	<2	4.65	<0.5	39	52	71
G278723		1.65	0.006		<0.2	4.11	25	<10	30	0.6	2	3.94	<0.5	40	41	70
G278724		3.91	0.207		0.2	3.61	137	<10	300	0.5	<2	5.35	<0.5	38	38	60
G278725			0.186		0.2	3.65	123	<10	420	0.5	<2	5.26	<0.5	38	39	62
G278726		3.63	<0.005		0.2	0.74	5	<10	530	<0.5	<2	0.20	<0.5	6	14	61

Comments: Additional Au-AA23 check assay on sample G278712 reports 0.192ppm and 1.045ppm.



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**CERTIFICATE OF ANALYSIS TR12189784**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	
Units		%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	
LOR		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	
G278687		4.45	<10	1	0.08	<10	0.70	648	<1	0.01	13	290	2	1.70	3	9
G278688		9.44	<10	1	0.11	<10	1.98	1575	<1	0.07	30	850	<2	0.29	<2	28
G278689		10.80	<10	1	0.11	<10	2.61	1555	<1	0.06	28	680	<2	0.22	5	30
G278690		0.06	<10	1	<0.01	<10	1.59	31	<1	0.01	<1	40	<2	0.09	<2	<1
G278691		10.00	<10	<1	0.18	<10	1.30	1785	<1	0.02	40	420	3	2.76	9	28
G278692		7.41	<10	<1	0.14	<10	2.25	1565	<1	0.04	58	490	<2	0.18	8	26
G278693		9.49	10	1	0.07	<10	2.26	1810	<1	0.03	33	840	2	0.12	<2	33
G278694		9.93	10	1	0.02	<10	3.45	1735	<1	0.02	32	800	<2	0.22	<2	33
G278695		8.49	10	<1	0.03	<10	3.26	1540	<1	0.03	33	580	<2	0.21	<2	31
G278696		8.41	<10	1	0.10	<10	3.03	1600	<1	0.02	30	660	2	0.67	3	27
G278697		7.61	10	1	0.02	<10	2.40	1470	<1	0.01	29	750	<2	0.42	<2	29
G278698		10.05	10	1	<0.01	<10	3.00	1580	<1	0.01	33	850	<2	0.26	<2	34
G278699		8.12	10	1	<0.01	<10	2.19	1285	<1	0.01	31	780	<2	0.19	<2	32
G278700		3.38	<10	5	0.14	10	0.82	469	12	0.07	39	790	300	0.65	24	4
G278701		8.35	10	1	0.02	<10	3.53	1410	<1	0.02	47	600	<2	0.15	<2	36
G278702		8.87	10	1	0.04	<10	3.03	1695	<1	0.01	40	660	<2	0.28	<2	35
G278703		10.50	10	1	0.02	<10	2.82	1645	<1	0.01	47	970	<2	0.07	2	36
G278704		9.84	<10	<1	0.11	<10	2.85	1495	<1	0.02	39	890	2	0.21	<2	33
G278705		8.20	<10	1	0.18	<10	2.37	1290	<1	0.02	27	750	<2	0.57	3	20
G278706		9.77	10	<1	0.04	<10	3.04	1625	<1	0.02	43	750	<2	0.09	<2	35
G278707		8.49	<10	1	0.09	<10	2.52	1720	<1	0.02	34	760	2	0.08	<2	33
G278708		8.96	<10	1	0.08	<10	2.60	1870	<1	0.02	32	770	<2	0.11	<2	34
G278709		8.22	<10	1	0.14	<10	2.18	1465	<1	0.02	28	700	2	4.22	5	24
G278710		0.07	<10	1	<0.01	<10	1.73	38	<1	0.01	<1	40	<2	0.11	<2	<1
G278711		8.85	<10	1	0.14	<10	2.42	1440	<1	0.02	24	920	3	0.80	2	24
G278712		2.91	<10	<1	<0.01	<10	1.49	1700	<1	0.01	1	100	<2	0.24	<2	14
G278713		8.82	<10	1	0.10	<10	2.17	1705	<1	0.02	23	1080	3	0.71	<2	27
G278714		9.86	10	2	0.05	<10	2.25	1840	<1	0.01	26	1140	<2	0.28	<2	31
G278715		9.62	10	1	0.02	<10	1.94	1675	<1	0.01	26	1170	<2	0.54	<2	33
G278716		6.98	<10	<1	0.09	<10	2.53	1460	<1	0.03	33	530	<2	0.11	<2	28
G278717		5.40	10	<1	0.09	<10	1.58	1400	<1	0.01	33	310	<2	1.43	<2	29
G278718		3.65	<10	<1	0.05	<10	1.30	791	<1	0.01	14	70	<2	1.53	<2	10
G278719		7.83	<10	<1	0.17	<10	2.31	1100	<1	0.02	23	1030	<2	1.06	<2	20
G278720		3.60	10	<1	0.16	10	0.87	381	6	0.06	60	500	6	0.88	31	4
G278721		8.15	10	1	0.09	<10	2.53	1490	<1	0.02	28	720	<2	0.27	<2	30
G278722		9.17	10	<1	0.08	<10	2.70	1245	<1	0.01	34	840	<2	0.34	2	33
G278723		9.36	10	1	0.02	<10	2.49	1180	<1	0.01	30	980	<2	0.43	2	33
G278724		8.21	10	<1	0.06	<10	2.70	1980	<1	0.03	31	690	<2	0.70	<2	23
G278725		8.33	10	<1	0.06	<10	2.75	1955	<1	0.03	32	700	<2	0.63	<2	23
G278726		1.66	<10	<1	0.16	10	0.45	976	1	<0.01	32	110	7	0.26	<2	1

Comments: Additional Au-AA23 check assay on sample G278712 reports 0.192ppm and 1.045ppm.



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**CERTIFICATE OF ANALYSIS TR12189784**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G278687		58	<20	<0.01	<10	<10	10	<10	30
G278688		52	<20	<0.01	<10	<10	42	<10	115
G278689		60	<20	<0.01	<10	<10	46	<10	150
G278690		5050	20	<0.01	<10	10	<1	<10	3
G278691		134	<20	<0.01	<10	<10	26	<10	65
G278692		76	<20	<0.01	<10	<10	41	<10	79
G278693		47	<20	<0.01	<10	<10	184	<10	118
G278694		49	<20	0.01	<10	<10	286	<10	127
G278695		73	<20	0.01	<10	<10	211	<10	102
G278696		103	<20	<0.01	<10	<10	132	<10	103
G278697		117	<20	0.03	<10	<10	259	<10	98
G278698		108	<20	0.08	<10	<10	375	<10	123
G278699		80	<20	0.04	<10	<10	321	<10	108
G278700		37	<20	0.09	<10	<10	62	<10	283
G278701		80	<20	0.01	<10	<10	275	<10	99
G278702		90	<20	<0.01	<10	<10	254	<10	116
G278703		122	<20	0.01	<10	<10	303	<10	126
G278704		149	<20	<0.01	<10	<10	152	<10	111
G278705		133	<20	<0.01	<10	<10	42	<10	77
G278706		162	<20	<0.01	<10	<10	211	<10	106
G278707		130	<20	<0.01	<10	<10	140	<10	102
G278708		158	<20	<0.01	<10	<10	119	<10	122
G278709		164	<20	<0.01	<10	<10	71	<10	69
G278710		5250	20	<0.01	<10	10	<1	<10	<2
G278711		92	<20	<0.01	<10	<10	77	<10	116
G278712		152	<20	<0.01	<10	<10	9	<10	26
G278713		103	<20	<0.01	<10	<10	169	<10	143
G278714		84	<20	0.01	<10	<10	282	<10	143
G278715		64	<20	0.01	<10	<10	312	<10	144
G278716		92	<20	<0.01	<10	<10	100	<10	121
G278717		122	<20	<0.01	<10	<10	129	<10	73
G278718		141	<20	<0.01	<10	<10	19	<10	16
G278719		95	<20	<0.01	<10	<10	48	<10	88
G278720		39	<20	0.10	<10	<10	50	40	51
G278721		73	<20	<0.01	<10	<10	140	<10	103
G278722		101	<20	<0.01	<10	<10	225	<10	98
G278723		83	<20	<0.01	<10	<10	293	<10	95
G278724		114	<20	0.43	<10	<10	238	<10	101
G278725		113	<20	0.46	<10	<10	241	<10	103
G278726		6	<20	<0.01	<10	<10	14	<10	60

Comments: Additional Au-AA23 check assay on sample G278712 reports 0.192ppm and 1.045ppm.



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**CERTIFICATE OF ANALYSIS TR12189784**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278727		2.91	<0.005		<0.2	0.53	17	<10	540	<0.5	<2	0.41	<0.5	5	16	33
G278728		5.48	0.018		0.3	1.02	15	<10	320	<0.5	<2	1.30	<0.5	12	34	72
G278729		3.49	<0.005		<0.2	0.64	7	<10	400	<0.5	<2	0.31	<0.5	5	12	68
G278730		0.61	<0.005		<0.2	0.03	2	<10	10	<0.5	<2	>25.0	<0.5	<1	4	<1
G278731		2.88	<0.005		10.9	0.57	<2	<10	510	<0.5	<2	0.13	<0.5	4	11	95
G278732		3.60	<0.005		0.2	1.34	9	<10	480	<0.5	<2	0.73	<0.5	12	54	97
G278733		4.24	<0.005		0.3	0.64	<2	<10	570	<0.5	<2	0.29	<0.5	5	11	65
G278734		4.12	0.006		0.2	1.22	5	<10	630	<0.5	<2	0.64	<0.5	8	15	79
G278735		2.31	<0.005		<0.2	1.28	10	<10	670	<0.5	<2	0.93	<0.5	9	17	62
G278736		2.66	<0.005		0.3	0.77	30	<10	450	<0.5	2	5.49	<0.5	8	12	61
G278737		3.74	<0.005		<0.2	0.76	11	<10	490	<0.5	2	0.59	<0.5	5	11	74
G278738		6.49	<0.005		<0.2	1.14	3	<10	390	<0.5	<2	0.74	<0.5	6	25	47
G278739		1.68	<0.005		<0.2	1.42	9	<10	150	<0.5	<2	1.71	<0.5	10	72	49
G278740		0.08	0.286		0.4	0.41	480	<10	480	<0.5	<2	1.05	<0.5	3	44	40
G278741		2.79	<0.005		<0.2	3.66	15	<10	190	<0.5	<2	2.97	<0.5	25	191	40
G278742		4.04	<0.005		<0.2	1.20	5	<10	300	<0.5	<2	0.83	<0.5	9	51	53

Comments: Additional Au-AA23 check assay on sample G278712 reports 0.192ppm and 1.045ppm.



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**CERTIFICATE OF ANALYSIS TR12189784**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G278727		1.94	<10	<1	0.17	10	0.56	4410	<1	0.01	25	110	3	0.01	<2	2
G278728		2.21	<10	<1	0.09	10	0.78	26800	3	0.01	40	250	5	0.12	<2	2
G278729		1.62	<10	<1	0.10	10	0.47	550	1	0.01	26	80	7	0.44	<2	1
G278730		0.03	<10	<1	<0.01	<10	1.59	73	<1	0.02	<1	40	<2	0.06	<2	<1
G278731		1.42	<10	<1	0.12	10	0.36	297	<1	<0.01	22	70	4	0.30	<2	1
G278732		2.28	<10	<1	0.12	10	1.14	1020	<1	0.01	48	200	3	0.19	<2	2
G278733		1.30	<10	<1	0.15	10	0.37	817	1	<0.01	29	90	5	0.18	<2	1
G278734		2.61	<10	<1	0.18	10	0.65	3890	<1	0.01	26	120	4	0.16	<2	1
G278735		3.87	<10	<1	0.18	20	0.85	10700	<1	0.01	31	530	4	0.02	<2	2
G278736		3.46	<10	<1	0.14	20	0.79	29500	<1	0.01	30	1860	10	0.06	<2	2
G278737		1.89	<10	<1	0.15	10	0.58	1240	<1	0.01	23	120	5	0.27	<2	2
G278738		2.23	<10	<1	0.11	10	1.03	1205	<1	0.01	21	110	6	0.18	<2	2
G278739		2.49	<10	<1	0.04	<10	1.62	1230	<1	0.02	27	130	2	0.16	<2	8
G278740		3.98	<10	4	0.09	10	0.03	74	13	0.03	15	150	12	0.22	27	1
G278741		4.75	10	<1	0.03	<10	3.83	2160	<1	0.02	62	270	<2	0.06	<2	18
G278742		2.13	<10	<1	0.08	<10	1.11	991	<1	0.01	27	120	2	0.14	<2	4

Comments: Additional Au-AA23 check assay on sample G278712 reports 0.192ppm and 1.045ppm.



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**CERTIFICATE OF ANALYSIS TR12189784**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
		1	20	0.01	10	10	1	10	2
G278727		13	<20	<0.01	<10	<10	12	<10	49
G278728		36	<20	0.01	<10	<10	18	<10	40
G278729		15	<20	<0.01	<10	<10	11	<10	52
G278730		5240	20	<0.01	<10	<10	2	<10	<2
G278731		8	<20	<0.01	<10	<10	12	30	51
G278732		47	<20	<0.01	<10	<10	32	<10	65
G278733		18	<20	<0.01	<10	<10	11	<10	59
G278734		28	<20	0.02	<10	<10	21	<10	56
G278735		52	<20	<0.01	<10	<10	30	<10	59
G278736		386	<20	<0.01	<10	<10	27	<10	47
G278737		35	<20	<0.01	<10	<10	18	<10	53
G278738		41	<20	<0.01	<10	<10	22	<10	40
G278739		122	<20	<0.01	<10	<10	58	<10	29
G278740		81	<20	0.01	10	<10	29	10	23
G278741		265	<20	<0.01	<10	<10	137	<10	53
G278742		67	<20	<0.01	<10	<10	38	<10	37

Comments: Additional Au-AA23 check assay on sample G278712 reports 0.192ppm and 1.045ppm.



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**CERTIFICATE TR12189780**

Project: CMV12-01  
P.O. No.: CMV12-01\_36  
This report is for 64 Drill Core samples submitted to our lab in Terrace, BC, Canada on 14-AUG-2012.

The following have access to data associated with this certificate:

DARCY BAKER  
DAVID RHYS

N. BONDOC  
RON VOORDOUW

MARGOT MCKEOWN

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
ATTN: MARGOT MCKEOWN  
SUITE 200, 900 WEST HASTINGS STREET  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager





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**CERTIFICATE OF ANALYSIS TR12189780**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
G278743		3.76	0.033	0.2	1.90	121	<10	20	<0.5	<2	4.74	<0.5	37	31	77	8.30
G278744		1.73	0.076	0.3	0.96	196	<10	30	<0.5	2	5.18	<0.5	36	13	69	7.87
G278745		1.18	4.07	1.5	0.29	1180	<10	40	<0.5	<2	6.05	<0.5	37	8	97	7.86
G278746		2.30	0.099	1.4	0.27	212	<10	30	<0.5	<2	5.81	<0.5	32	10	106	6.79
G278747		3.89	0.018	0.5	0.85	236	<10	30	<0.5	<2	5.88	<0.5	35	10	66	7.59
G278748		4.07	2.16	0.8	0.31	648	<10	50	<0.5	2	8.1	<0.5	31	8	36	6.63
G278749		4.73	0.088	0.3	0.77	173	<10	40	<0.5	<2	5.17	<0.5	34	13	66	7.38
G278750		0.62	<0.005	<0.2	0.04	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	<1	0.06
G278751		1.31	1.185	0.6	0.55	868	<10	80	<0.5	<2	5.70	<0.5	34	9	56	7.23
G278752		4.44	2.86	0.4	0.36	1220	<10	60	<0.5	<2	7.3	<0.5	36	7	13	7.12
G278753		0.97	0.086	0.2	0.07	121	<10	10	<0.5	<2	1.18	<0.5	7	5	4	1.20
G278754		3.83	1.525	0.6	0.42	710	<10	50	<0.5	<2	5.35	<0.5	34	10	42	6.99
G278755		3.87	0.016	0.2	1.18	82	<10	10	<0.5	<2	5.45	<0.5	33	14	63	7.13
G278756		4.34	0.136	0.3	0.92	180	<10	20	<0.5	<2	5.74	<0.5	31	11	48	6.95
G278757		1.60	0.032	0.4	0.92	180	<10	50	<0.5	<2	5.61	<0.5	31	11	44	7.29
G278758		3.56	1.100	0.5	0.46	3480	<10	60	<0.5	2	5.44	<0.5	28	7	46	6.22
G278759		1.13	0.019	<0.2	0.03	19	<10	10	<0.5	<2	0.54	<0.5	2	10	1	0.73
G278760		0.08	0.760	2.4	0.72	28	<10	60	<0.5	<2	1.87	0.5	8	32	7280	6.54
G278761		1.38	0.637	0.7	0.35	799	<10	50	<0.5	<2	6.9	<0.5	30	7	29	6.98
G278762		4.11	<0.005	<0.2	1.26	48	<10	10	<0.5	<2	5.23	<0.5	31	13	56	6.91
G278763		5.09	0.005	0.3	1.25	76	<10	10	<0.5	<2	5.59	<0.5	34	11	53	7.17
G278764		2.76	0.409	0.4	0.78	281	<10	40	<0.5	2	5.64	<0.5	33	10	54	6.74
G278765		1.62	0.395	<0.2	0.11	111	<10	20	<0.5	<2	0.70	<0.5	4	10	1	1.36
G278766		2.34	0.794	0.9	0.44	640	<10	70	<0.5	<2	5.99	<0.5	30	8	49	7.10
G278767		3.51	0.058	0.2	1.25	100	<10	30	<0.5	<2	5.18	<0.5	32	11	57	7.12
G278768		2.04	0.684	0.4	0.71	768	<10	50	<0.5	<2	5.23	<0.5	40	11	30	9.82
G278769		3.03	0.027	0.2	1.36	76	<10	20	<0.5	<2	5.56	<0.5	35	8	51	8.06
G278770		0.56	0.010	<0.2	0.05	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	1	<1	0.08
G278771		4.81	0.009	0.3	0.91	38	<10	10	<0.5	<2	5.58	<0.5	33	8	54	8.40
G278772		2.42	0.333	0.4	0.71	123	<10	20	<0.5	<2	5.51	<0.5	33	6	54	7.82
G278773		1.65	0.019	<0.2	2.27	120	<10	60	<0.5	<2	4.45	<0.5	32	26	43	7.13
G278774		1.12	1.810	0.8	0.29	4630	<10	30	<0.5	<2	5.30	<0.5	31	3	29	8.27
G278775		1.19	1.685	0.9	0.44	2350	<10	50	<0.5	2	5.52	<0.5	29	5	24	7.34
G278776		0.86	3.59	1.3	0.83	2030	<10	40	0.5	<2	5.80	<0.5	35	7	52	8.20
G278777		3.03	0.005	0.2	4.64	34	<10	10	<0.5	<2	6.03	<0.5	36	42	66	8.75
G278778		3.85	0.008	<0.2	4.37	16	<10	10	<0.5	<2	5.69	<0.5	35	48	65	8.32
G278779		3.88	<0.005	<0.2	4.87	41	<10	20	<0.5	<2	6.23	<0.5	38	45	73	9.24
G278780		0.08	2.16	0.3	2.19	11	<10	70	<0.5	<2	0.63	<0.5	10	31	677	4.41
G278781		1.08	0.017	<0.2	2.83	393	<10	100	<0.5	<2	6.36	<0.5	36	37	69	8.68
G278782		0.63	0.871	0.5	0.53	6090	<10	70	<0.5	<2	8.2	<0.5	36	6	48	7.18



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
G278743		<10	1	0.05	<10	1.96	1410	<1	0.04	40	550	2	0.16	<2	30	48
G278744		<10	<1	0.07	<10	1.89	1415	<1	0.03	40	650	3	0.19	<2	28	75
G278745		<10	<1	0.13	<10	1.97	1450	<1	0.02	38	330	3	4.53	10	27	185
G278746		<10	<1	0.11	<10	2.92	1265	<1	0.02	34	440	3	0.41	24	23	137
G278747		<10	<1	0.10	<10	2.76	1360	<1	0.03	36	470	4	0.24	2	26	123
G278748		<10	<1	0.14	<10	3.53	1685	<1	0.02	35	520	3	2.89	2	27	352
G278749		<10	<1	0.14	<10	3.24	1295	<1	0.02	39	650	2	0.48	<2	25	106
G278750		<10	<1	0.01	<10	1.62	35	<1	0.01	<1	30	<2	0.07	<2	<1	4910
G278751		<10	<1	0.11	<10	2.80	1270	<1	0.01	38	530	4	2.05	<2	23	155
G278752		<10	<1	0.16	<10	3.27	1680	<1	0.02	40	290	4	4.62	<2	26	379
G278753		<10	<1	0.04	<10	0.43	261	<1	<0.01	6	100	2	0.64	<2	3	50
G278754		<10	<1	0.17	<10	2.84	1355	<1	0.02	37	490	3	2.90	<2	25	179
G278755		<10	<1	0.07	<10	2.98	1285	<1	0.08	36	520	2	0.17	<2	29	55
G278756		<10	<1	0.09	<10	2.94	1330	<1	0.07	35	620	3	0.32	4	26	91
G278757		<10	<1	0.17	<10	2.97	1350	1	0.03	35	680	3	0.19	2	24	107
G278758		<10	<1	0.16	<10	2.57	1210	<1	0.02	32	430	2	2.56	4	22	202
G278759		<10	<1	0.01	<10	0.20	166	<1	<0.01	2	60	<2	0.10	<2	2	27
G278760		<10	2	0.28	<10	0.86	938	8	0.05	14	640	25	2.73	23	3	69
G278761		<10	1	0.17	<10	3.24	1580	<1	0.02	32	440	4	3.97	<2	27	295
G278762		<10	<1	0.08	<10	2.66	1235	<1	0.06	31	610	3	0.14	<2	27	57
G278763		<10	<1	0.09	<10	2.98	1280	<1	0.06	35	640	<2	0.17	<2	27	77
G278764		<10	<1	0.15	<10	2.89	1270	<1	0.03	32	530	3	0.91	<2	24	136
G278765		<10	<1	0.05	<10	0.27	214	<1	<0.01	5	190	<2	0.54	<2	2	33
G278766		<10	<1	0.20	<10	3.13	1435	<1	0.02	33	470	3	2.79	4	23	250
G278767		<10	<1	0.14	<10	2.95	1365	<1	0.03	33	610	<2	0.05	<2	25	119
G278768		<10	<1	0.17	<10	2.77	1315	<1	0.02	39	530	3	4.38	<2	26	157
G278769		<10	<1	0.08	<10	2.96	1360	<1	0.06	28	660	3	0.17	<2	29	104
G278770		<10	<1	0.01	<10	1.43	39	<1	0.01	<1	40	<2	0.08	<2	<1	5770
G278771		<10	<1	0.04	<10	2.87	1440	<1	0.10	26	830	2	0.16	<2	31	83
G278772		<10	1	0.08	<10	2.66	1410	<1	0.06	26	770	4	0.59	<2	26	127
G278773		<10	<1	0.05	<10	2.46	1120	<1	0.04	33	510	2	0.14	<2	23	72
G278774		<10	<1	0.08	<10	2.02	1160	<1	0.01	27	430	3	7.58	3	19	212
G278775		<10	1	0.15	<10	2.26	1315	<1	0.01	23	460	3	6.20	<2	21	241
G278776		<10	<1	0.18	<10	2.78	1655	<1	0.01	27	730	8	7.10	3	27	223
G278777		20	1	0.01	<10	3.32	1470	<1	0.02	31	870	5	0.28	<2	34	99
G278778		10	1	<0.01	<10	3.35	1505	<1	0.02	31	760	3	0.22	<2	30	92
G278779		20	<1	<0.01	<10	3.44	1565	<1	0.02	29	840	<2	0.20	<2	32	111
G278780		10	1	0.14	10	0.92	793	7	0.08	20	670	10	0.09	<2	5	33
G278781		10	1	0.06	<10	3.31	1585	<1	0.03	33	700	<2	0.15	2	31	164
G278782		<10	<1	0.25	<10	3.07	1625	<1	0.02	28	610	<2	3.70	7	20	314



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**CERTIFICATE OF ANALYSIS TR12189780**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G278743		<20	<0.01	<10	<10	85	<10	93
G278744		<20	<0.01	<10	<10	31	<10	96
G278745		<20	<0.01	<10	<10	25	<10	72
G278746		<20	<0.01	<10	<10	24	<10	75
G278747		<20	<0.01	<10	<10	31	<10	87
G278748		<20	<0.01	<10	<10	28	<10	54
G278749		<20	<0.01	<10	<10	36	<10	93
G278750		20	<0.01	<10	10	<1	<10	<2
G278751		<20	<0.01	<10	<10	40	<10	65
G278752		<20	<0.01	<10	<10	25	<10	36
G278753		<20	<0.01	<10	<10	4	<10	24
G278754		<20	<0.01	<10	<10	31	<10	58
G278755		<20	<0.01	<10	<10	37	<10	86
G278756		<20	<0.01	<10	<10	35	<10	78
G278757		<20	<0.01	<10	<10	34	<10	88
G278758		<20	<0.01	<10	<10	23	<10	44
G278759		<20	<0.01	<10	<10	2	<10	2
G278760		<20	0.04	<10	<10	42	<10	106
G278761		<20	<0.01	<10	<10	23	<10	46
G278762		<20	<0.01	<10	<10	35	<10	82
G278763		<20	<0.01	<10	<10	34	<10	75
G278764		<20	<0.01	<10	<10	29	<10	71
G278765		<20	<0.01	<10	<10	6	<10	3
G278766		<20	<0.01	<10	<10	25	<10	57
G278767		<20	<0.01	<10	<10	32	<10	84
G278768		<20	<0.01	<10	<10	44	<10	61
G278769		<20	<0.01	<10	<10	39	<10	89
G278770		20	<0.01	<10	<10	<1	<10	<2
G278771		<20	<0.01	<10	<10	46	<10	89
G278772		<20	<0.01	<10	<10	37	<10	86
G278773		<20	<0.01	<10	<10	81	<10	68
G278774		<20	<0.01	<10	<10	14	<10	30
G278775		<20	<0.01	<10	<10	23	<10	38
G278776		<20	<0.01	<10	<10	49	<10	64
G278777		<20	0.07	<10	<10	335	<10	114
G278778		<20	0.39	<10	<10	314	<10	110
G278779		<20	0.12	<10	<10	322	<10	112
G278780		<20	0.14	<10	<10	64	<10	88
G278781		<20	0.03	<10	<10	179	<10	98
G278782		<20	<0.01	<10	<10	27	<10	51



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**CERTIFICATE OF ANALYSIS TR12189780**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G278783		0.89	0.064	<0.2	0.06	234	<10	20	<0.5	<2	0.39	<0.5	2	11	2	0.71
G278784		3.60	4.29	0.7	0.62	824	<10	50	<0.5	<2	7.3	<0.5	36	11	39	7.62
G278785		2.03	1.195	0.2	1.08	1470	<10	40	<0.5	<2	6.95	<0.5	36	10	64	7.82
G278786		2.72	<0.005	<0.2	4.48	45	<10	20	<0.5	<2	6.21	<0.5	37	69	76	7.96
G278787		2.96	0.005	<0.2	4.20	21	<10	10	<0.5	<2	6.53	<0.5	34	62	64	7.38
G278788		2.27	<0.005	<0.2	2.73	5	<10	10	<0.5	<2	2.03	<0.5	29	50	83	5.16
G278789		3.43	<0.005	<0.2	2.61	9	<10	10	<0.5	<2	1.81	<0.5	32	38	74	5.32
G278790		0.74	<0.005	<0.2	0.04	2	<10	<10	<0.5	<2	>25.0	<0.5	1	1	<1	0.06
G278791		1.92	<0.005	<0.2	4.57	7	<10	10	0.5	<2	3.38	<0.5	36	58	74	9.14
G278792		0.95	0.401	0.3	3.90	118	<10	20	0.7	<2	5.57	<0.5	40	17	70	10.55
G278793		0.59	0.522	<0.2	0.15	249	<10	50	<0.5	<2	1.64	<0.5	5	3	16	2.08
G278794		3.11	2.02	0.7	0.50	1250	<10	70	<0.5	<2	5.15	<0.5	35	3	59	8.97
G278795		3.16	2.89	<0.2	0.31	1405	<10	60	<0.5	<2	6.06	<0.5	36	3	29	6.92
G278796		2.80	1.305	<0.2	0.75	813	<10	70	<0.5	<2	5.83	<0.5	39	2	74	8.61
G278797		4.57	0.012	<0.2	3.45	16	<10	10	<0.5	<2	5.26	<0.5	39	13	70	9.97
G278798		4.36	<0.005	<0.2	3.16	3	<10	20	0.5	<2	5.17	<0.5	33	48	30	9.46
G278799		2.40	0.010	<0.2	1.88	6	<10	60	0.5	<2	8.2	<0.5	39	29	79	6.94
G278800		0.08	3.45	4.0	1.52	288	<10	290	<0.5	<2	1.36	1.6	10	56	82	3.47
G278801		3.85	<0.005	<0.2	4.06	3	<10	100	<0.5	<2	5.69	<0.5	39	45	47	9.25
G278802		4.54	0.005	<0.2	3.06	6	<10	3050	<0.5	<2	4.72	<0.5	35	44	79	8.52
G278803		2.32	0.007	<0.2	2.45	19	<10	70	0.6	<2	4.54	<0.5	45	40	71	6.46
G278804		2.59	<0.005	<0.2	3.70	2	<10	1580	<0.5	<2	3.29	<0.5	36	48	59	8.93
G278805		4.62	<0.005	<0.2	3.72	2	<10	1890	<0.5	<2	3.80	<0.5	41	52	77	8.53
G278806		3.71	<0.005	<0.2	0.90	9	<10	840	<0.5	<2	0.49	<0.5	6	19	53	1.75



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
G278783		<10	<1	0.02	<10	0.13	107	<1	<0.01	3	10	<2	0.37	<2	1	14
G278784		<10	<1	0.19	<10	3.07	1565	<1	0.03	37	510	<2	3.87	3	26	224
G278785		<10	<1	0.13	<10	3.01	1430	<1	0.02	37	600	<2	1.42	7	24	142
G278786		10	<1	0.02	<10	3.69	1410	<1	0.03	36	590	<2	0.15	<2	33	66
G278787		10	1	0.01	<10	3.38	1535	<1	0.02	33	680	<2	0.19	<2	29	67
G278788		10	<1	<0.01	<10	2.24	893	<1	0.03	29	710	<2	0.15	3	9	77
G278789		10	<1	<0.01	<10	2.15	938	<1	0.03	27	670	<2	0.21	3	4	23
G278790		<10	1	<0.01	<10	1.77	38	<1	0.02	<1	40	<2	0.09	<2	<1	5740
G278791		10	<1	0.01	<10	4.13	1295	<1	0.02	36	770	<2	0.14	<2	20	72
G278792		10	1	0.09	<10	3.18	1655	<1	0.02	28	730	<2	0.42	<2	34	175
G278793		<10	<1	0.03	<10	0.63	442	<1	0.01	3	490	<2	1.03	2	5	70
G278794		<10	1	0.26	<10	2.61	1555	<1	0.02	19	700	<2	4.64	2	26	214
G278795		<10	<1	0.18	<10	2.77	1550	<1	0.01	21	600	<2	4.96	2	23	307
G278796		<10	1	0.19	<10	2.64	1780	<1	0.02	19	720	<2	3.86	<2	25	222
G278797		20	<1	0.02	<10	3.29	1805	<1	0.04	20	810	<2	0.21	2	36	143
G278798		20	<1	<0.01	<10	2.83	1645	<1	0.04	22	880	<2	0.03	<2	24	105
G278799		10	<1	0.03	<10	2.02	2130	<1	0.02	29	820	<2	0.38	<2	30	181
G278800		<10	5	0.15	10	0.84	470	12	0.07	39	780	289	0.65	27	4	37
G278801		20	1	0.01	<10	3.19	1615	<1	0.04	26	810	<2	0.05	<2	28	136
G278802		10	1	0.19	<10	2.89	1955	<1	0.14	28	750	<2	0.13	2	20	105
G278803		10	1	0.02	<10	1.37	1355	<1	0.02	33	900	<2	0.71	2	38	59
G278804		10	<1	0.10	<10	3.29	1570	<1	0.09	25	830	<2	0.02	4	21	91
G278805		10	<1	0.12	<10	3.35	1860	<1	0.11	32	780	<2	0.06	<2	26	160
G278806		<10	<1	0.08	10	0.72	466	<1	0.01	18	110	3	0.10	<2	2	21



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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12189780**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G278783		<20	<0.01	<10	<10	4	<10	2
G278784		<20	<0.01	<10	<10	29	<10	53
G278785		<20	<0.01	<10	<10	29	<10	58
G278786		<20	0.08	<10	<10	273	<10	86
G278787		<20	0.33	<10	<10	263	<10	87
G278788		<20	0.67	<10	<10	138	<10	59
G278789		<20	0.70	<10	<10	139	<10	67
G278790		20	<0.01	<10	<10	2	<10	<2
G278791		<20	0.60	<10	<10	238	<10	103
G278792		<20	<0.01	<10	<10	166	<10	111
G278793		<20	0.01	<10	<10	13	<10	9
G278794		<20	<0.01	<10	<10	30	<10	95
G278795		<20	<0.01	<10	<10	21	<10	32
G278796		<20	<0.01	<10	<10	40	<10	89
G278797		<20	0.01	<10	<10	309	<10	115
G278798		<20	0.49	<10	<10	344	<10	99
G278799		<20	0.01	<10	<10	222	<10	100
G278800		<20	0.09	<10	<10	61	<10	282
G278801		<20	0.25	<10	<10	326	<10	108
G278802		<20	0.43	<10	<10	250	<10	107
G278803		<20	<0.01	<10	<10	286	<10	135
G278804		<20	0.71	<10	<10	262	<10	116
G278805		<20	0.58	<10	<10	303	<10	114
G278806		<20	0.01	<10	<10	39	<10	34



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**CERTIFICATE TR12189783**

Project: CMV12-01  
 P.O. No.: CMV12-01\_37  
 This report is for 65 Drill Core samples submitted to our lab in Terrace, BC, Canada on 14-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
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<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12189783**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
G278870		0.50	0.005		<0.2	0.04	3	<10	10	<0.5	<2	>25.0	<0.5	1	1	<1
G278871		4.16	0.085		<0.2	0.32	51	<10	260	<0.5	<2	0.60	<0.5	6	10	52
G278872		2.43	0.011		<0.2	0.18	16	<10	310	<0.5	<2	0.37	<0.5	5	9	73
G278807		1.87	0.131		0.2	0.97	216	<10	70	<0.5	<2	4.46	<0.5	37	18	72
G278808		2.04	0.453		0.3	0.48	1350	<10	50	<0.5	<2	5.39	<0.5	34	9	73
G278809		3.89	0.228		<0.2	1.07	501	<10	40	<0.5	<2	5.75	<0.5	32	8	56
G278810		0.51	<0.005		<0.2	0.03	4	<10	<10	<0.5	<2	>25.0	<0.5	1	<1	<1
G278811		2.00	0.282		<0.2	0.14	817	<10	30	<0.5	<2	1.98	<0.5	9	12	4
G278812		1.39	0.110		<0.2	0.70	128	<10	20	<0.5	<2	5.52	<0.5	31	12	42
G278813		2.80	<0.005		<0.2	0.91	39	<10	10	<0.5	<2	5.47	<0.5	34	8	68
G278814		2.41	<0.005		<0.2	0.94	46	<10	60	<0.5	<2	5.57	<0.5	33	11	63
G278815		2.56	0.687		0.5	0.34	904	<10	50	<0.5	<2	6.19	<0.5	33	8	45
G278816		1.25	2.19		0.3	0.14	4430	<10	30	<0.5	<2	5.32	<0.5	31	6	13
G278817		0.80	0.068		<0.2	0.11	79	<10	20	<0.5	<2	1.00	<0.5	6	15	2
G278818		2.32	2.15		0.7	0.28	1495	<10	50	<0.5	<2	7.4	<0.5	34	6	30
G278819		4.11	0.010		<0.2	0.96	83	<10	20	<0.5	<2	5.72	<0.5	35	11	62
G278820		0.06	9.66	9.81	0.6	1.54	3990	<10	60	<0.5	<2	0.82	<0.5	15	68	68
G278821		4.54	0.011		<0.2	1.22	91	<10	10	<0.5	<2	5.46	<0.5	33	10	59
G278822		3.37	1.155		0.3	0.72	868	<10	50	<0.5	<2	6.37	<0.5	36	7	52
G278823		4.30	0.146		<0.2	0.89	182	<10	50	<0.5	<2	6.29	<0.5	32	11	49
G278824		4.45	0.011		<0.2	1.86	41	<10	30	<0.5	<2	5.66	<0.5	35	34	63
G278825			0.011		<0.2	1.78	43	<10	30	<0.5	<2	5.74	<0.5	34	33	60
G278826		1.92	0.036		<0.2	0.56	70	<10	40	<0.5	<2	5.45	<0.5	33	14	49
G278827		2.98	0.820		0.2	0.30	853	<10	50	<0.5	<2	7.6	<0.5	33	6	26
G278828		3.61	0.008		<0.2	2.10	117	<10	40	<0.5	<2	6.42	<0.5	38	23	70
G278829		3.53	0.026		<0.2	2.58	238	<10	30	<0.5	<2	5.82	<0.5	35	39	64
G278830		0.70	<0.005		<0.2	0.05	<2	<10	10	<0.5	<2	>25.0	<0.5	1	1	<1
G278831		2.72	<0.005		<0.2	4.56	52	<10	<10	<0.5	<2	5.98	<0.5	34	69	63
G278832		5.05	<0.005		<0.2	4.43	31	<10	10	<0.5	<2	5.89	<0.5	35	70	68
G278833		4.65	<0.005		<0.2	4.50	2	<10	140	<0.5	<2	6.11	<0.5	36	41	67
G278834		3.48	<0.005		<0.2	4.96	3	<10	10	<0.5	<2	5.21	<0.5	37	45	67
G278835		1.81	1.825		0.9	1.75	878	<10	70	<0.5	<2	5.82	<0.5	36	17	57
G278836		0.97	1.585		0.4	0.17	6920	<10	40	<0.5	<2	4.33	<0.5	21	5	14
G278837		0.65	1.335		0.7	0.69	1300	<10	90	<0.5	<2	7.19	<0.5	36	6	38
G278838		3.97	<0.005		<0.2	4.97	29	<10	30	<0.5	<2	5.96	<0.5	39	40	69
G278839		2.66	<0.005		<0.2	4.77	6	<10	10	<0.5	<2	5.88	<0.5	36	43	63
G278840		0.07	0.291		0.3	0.36	455	<10	600	<0.5	2	1.00	<0.5	3	40	42
G278841		2.37	<0.005		<0.2	4.17	7	<10	50	<0.5	<2	5.25	<0.5	36	66	58
G278842		1.57	0.024		<0.2	1.25	102	<10	50	<0.5	<2	8.2	<0.5	30	27	60
G278843		2.20	<0.005		<0.2	4.00	56	<10	20	<0.5	<2	5.44	<0.5	39	52	68





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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12189783**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G278870		0.04	<10	<1	<0.01	<10	1.40	24	<1	0.02	<1	40	<2	0.09	3	<1
G278871		2.00	<10	<1	0.13	<10	0.48	546	<1	0.01	22	50	<2	0.44	<2	2
G278872		1.55	<10	<1	0.09	<10	0.43	369	<1	0.01	19	70	2	0.33	2	1
G278807		7.81	<10	<1	0.11	<10	2.07	1390	<1	0.03	37	710	2	0.39	5	28
G278808		7.28	<10	<1	0.15	<10	2.37	1420	<1	0.02	36	620	<2	0.90	4	22
G278809		7.37	<10	<1	0.14	<10	2.78	1230	<1	0.02	31	610	2	0.70	4	21
G278810		0.05	<10	<1	<0.01	<10	1.79	33	<1	0.01	<1	40	<2	0.09	2	<1
G278811		2.34	<10	<1	0.07	<10	0.68	430	<1	0.01	7	80	<2	0.62	<2	5
G278812		6.84	<10	1	0.10	<10	2.90	1320	<1	0.05	28	640	<2	0.44	<2	27
G278813		7.84	<10	<1	0.04	<10	2.94	1330	<1	0.05	30	750	<2	0.28	2	28
G278814		7.63	<10	<1	0.09	<10	2.99	1310	<1	0.05	30	640	<2	0.16	<2	27
G278815		7.19	<10	1	0.16	<10	3.15	1410	<1	0.02	30	550	<2	2.98	5	25
G278816		6.57	<10	1	0.08	<10	2.48	1175	<1	0.01	31	220	<2	4.96	5	20
G278817		1.57	<10	<1	0.04	<10	0.37	276	<1	0.01	4	120	<2	0.21	2	3
G278818		7.37	<10	1	0.16	<10	3.25	1520	<1	0.02	33	320	<2	4.66	6	25
G278819		7.86	<10	<1	0.09	<10	3.25	1410	<1	0.07	32	670	<2	0.21	<2	29
G278820		3.69	10	1	0.17	10	0.89	399	5	0.06	61	490	6	0.90	37	5
G278821		7.51	<10	<1	0.07	<10	3.13	1290	<1	0.07	31	630	<2	0.11	2	27
G278822		7.76	<10	1	0.17	<10	3.11	1470	<1	0.03	33	590	<2	3.56	3	25
G278823		7.62	<10	1	0.12	<10	3.20	1500	<1	0.04	31	720	<2	0.68	<2	28
G278824		8.01	10	1	0.08	<10	3.29	1520	<1	0.04	34	670	<2	0.27	2	32
G278825		7.94	10	<1	0.08	<10	3.31	1540	<1	0.04	34	660	<2	0.25	2	32
G278826		7.67	<10	<1	0.15	<10	3.17	1385	<1	0.05	31	670	<2	0.28	<2	29
G278827		7.38	<10	1	0.17	<10	3.32	1610	<1	0.02	30	500	<2	4.08	2	23
G278828		7.74	<10	<1	0.12	<10	3.24	1355	<1	0.04	36	680	<2	0.16	<2	28
G278829		7.80	10	<1	0.08	<10	3.42	1490	<1	0.03	36	650	<2	0.15	<2	30
G278830		0.07	<10	<1	<0.01	<10	1.95	37	<1	0.02	<1	50	<2	0.07	<2	<1
G278831		8.11	20	<1	<0.01	<10	3.62	1415	<1	0.03	35	680	<2	0.13	<2	34
G278832		8.00	20	1	0.01	<10	3.58	1515	<1	0.03	36	670	<2	0.14	2	35
G278833		9.07	20	<1	0.02	<10	3.31	1540	<1	0.03	29	790	<2	0.22	<2	30
G278834		9.47	20	1	0.01	<10	3.69	1560	<1	0.03	29	890	<2	0.17	2	35
G278835		8.28	<10	<1	0.15	<10	3.20	1525	<1	0.02	26	690	<2	3.86	6	27
G278836		5.41	<10	<1	0.08	<10	1.42	912	<1	0.01	20	510	2	3.71	7	11
G278837		8.56	<10	1	0.24	<10	2.99	1630	<1	0.02	25	900	<2	4.90	5	24
G278838		10.15	20	<1	0.01	<10	3.66	1645	<1	0.02	29	900	<2	0.20	3	36
G278839		9.33	20	1	<0.01	<10	3.43	1545	<1	0.02	26	860	<2	0.27	<2	34
G278840		3.80	<10	4	0.09	10	0.03	70	14	0.02	17	130	16	0.21	27	1
G278841		8.25	20	<1	0.01	<10	3.52	1480	<1	0.03	31	670	<2	0.23	<2	27
G278842		6.06	<10	<1	0.10	<10	3.01	1725	<1	0.02	31	380	<2	0.25	<2	24
G278843		7.90	10	1	<0.01	<10	3.39	1395	<1	0.02	32	510	<2	0.25	<2	32



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**CERTIFICATE OF ANALYSIS TR12189783**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G278870		5920	20	<0.01	<10	<10	1	<10	<2
G278871		30	<20	<0.01	<10	<10	9	<10	52
G278872		20	<20	<0.01	<10	<10	5	<10	43
G278807		69	<20	<0.01	<10	<10	61	<10	127
G278808		158	<20	<0.01	<10	<10	20	<10	79
G278809		154	<20	<0.01	<10	<10	24	<10	77
G278810		5310	20	<0.01	<10	<10	1	<10	<2
G278811		62	<20	<0.01	<10	<10	8	<10	12
G278812		95	<20	<0.01	<10	<10	34	<10	84
G278813		50	<20	<0.01	<10	<10	34	<10	83
G278814		64	<20	<0.01	<10	<10	32	<10	80
G278815		254	<20	<0.01	<10	<10	25	<10	53
G278816		297	<20	<0.01	<10	<10	14	<10	25
G278817		38	<20	<0.01	<10	<10	7	<10	4
G278818		324	<20	<0.01	<10	<10	22	<10	35
G278819		61	<20	<0.01	<10	<10	35	<10	80
G278820		40	<20	0.10	<10	<10	50	40	50
G278821		65	<20	<0.01	<10	<10	33	<10	89
G278822		227	<20	<0.01	<10	<10	26	<10	55
G278823		111	<20	<0.01	<10	<10	38	<10	71
G278824		68	<20	<0.01	<10	<10	118	<10	88
G278825		69	<20	<0.01	<10	<10	113	<10	87
G278826		82	<20	<0.01	<10	<10	38	<10	80
G278827		305	<20	<0.01	<10	<10	22	<10	48
G278828		85	<20	<0.01	<10	<10	63	<10	80
G278829		115	<20	<0.01	<10	<10	150	<10	98
G278830		5190	20	<0.01	<10	<10	2	<10	<2
G278831		78	<20	0.05	<10	<10	291	<10	96
G278832		75	<20	0.23	<10	<10	295	<10	91
G278833		157	<20	0.27	<10	<10	327	<10	116
G278834		114	<20	0.44	<10	<10	348	<10	115
G278835		252	<20	0.01	<10	<10	112	<10	75
G278836		158	<20	<0.01	<10	<10	13	<10	15
G278837		308	<20	<0.01	<10	<10	36	<10	52
G278838		157	<20	0.02	<10	<10	321	<10	113
G278839		149	<20	0.18	<10	<10	340	<10	110
G278840		71	<20	0.01	10	<10	28	10	26
G278841		128	<20	0.27	<10	<10	299	<10	127
G278842		188	<20	0.01	<10	<10	90	<10	103
G278843		73	<20	0.04	<10	<10	288	<10	99



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12189783**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GR21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
G278844		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278845		1.99	<0.005		<0.2	4.44	8	<10	10	<0.5	<2	6.00	<0.5	35	58	72
G278846		3.62	<0.005		<0.2	4.59	17	<10	20	<0.5	<2	5.83	<0.5	35	43	71
G278847		3.21	2.30		0.5	0.43	4500	<10	40	<0.5	<2	5.48	<0.5	33	6	23
G278848		3.81	<0.005		<0.2	3.26	58	<10	20	<0.5	<2	5.55	<0.5	36	31	58
G278849		3.29	0.069		<0.2	2.55	648	<10	60	<0.5	<2	6.65	<0.5	37	18	40
G278850		3.25	<0.005		<0.2	4.66	19	<10	30	<0.5	<2	5.72	<0.5	35	61	59
G278851		0.65	<0.005		<0.2	0.06	3	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	1
G278852		3.76	0.009		<0.2	3.78	45	<10	40	<0.5	2	7.9	<0.5	34	48	71
G278853		4.43	<0.005		<0.2	4.22	7	<10	10	<0.5	<2	6.71	<0.5	34	50	64
G278854		4.30	<0.005		<0.2	4.45	2	<10	10	<0.5	<2	6.03	<0.5	37	113	72
G278855		3.61	<0.005		<0.2	3.05	27	<10	30	<0.5	<2	5.82	<0.5	35	54	68
G278856		2.03	0.007		<0.2	1.86	13	<10	80	0.5	<2	6.43	<0.5	31	32	56
G278857		2.28	<0.005		<0.2	3.95	10	<10	60	0.7	<2	3.70	<0.5	40	42	48
G278858		3.05	<0.005		<0.2	4.66	24	<10	50	0.7	2	3.31	<0.5	41	46	58
G278859		3.81	<0.005		<0.2	4.27	5	<10	40	<0.5	<2	4.63	<0.5	35	45	60
G278860		4.38	<0.005		<0.2	3.51	4	<10	20	<0.5	<2	5.88	<0.5	35	42	74
G278861		0.07	0.729		2.3	0.71	28	<10	50	<0.5	<2	1.87	0.6	7	31	7190
G278862		0.82	<0.005		3.0	2.98	35	<10	30	<0.5	<2	5.05	<0.5	35	42	65
G278863		4.50	0.922		0.5	0.87	1450	<10	50	<0.5	2	6.48	<0.5	38	7	24
G278864		3.97	<0.005		0.2	2.74	16	<10	30	<0.5	<2	5.40	<0.5	38	38	78
G278865		2.61	<0.005		<0.2	3.70	5	<10	20	<0.5	<2	6.13	<0.5	37	43	50
G278866		1.19	0.785		0.4	1.43	636	<10	50	0.5	<2	6.01	<0.5	38	17	79
G278867		1.89	<0.005		<0.2	1.69	44	<10	50	<0.5	<2	6.01	<0.5	32	20	40
G278868		1.66	0.909		<0.2	0.78	531	<10	80	0.5	<2	5.82	<0.5	33	11	33
G278868		1.57	<0.005		<0.2	2.96	43	<10	60	<0.5	<2	4.98	<0.5	36	24	60



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12189783**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	
Units		%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	
LOR		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	
G278844		8.27	20	1	<0.01	<10	3.37	1545	<1	0.03	28	710	<2	0.28	<2	31
G278845		9.01	20	<1	0.01	<10	3.25	1395	<1	0.02	26	810	<2	0.34	<2	33
G278846		8.37	<10	<1	0.16	<10	2.47	1360	<1	0.01	26	600	<2	8.11	5	22
G278847		9.24	10	1	0.03	<10	3.17	1345	<1	0.02	29	850	<2	0.12	<2	30
G278848		8.59	10	<1	0.11	<10	3.04	1520	<1	0.03	31	730	<2	0.27	<2	30
G278849		8.59	20	<1	0.01	<10	3.25	1495	<1	0.03	30	800	<2	0.16	<2	34
G278850		0.07	<10	<1	<0.01	<10	1.71	33	<1	0.02	<1	30	<2	0.07	<2	<1
G278851		7.35	10	<1	0.05	<10	3.16	2060	<1	0.03	30	720	<2	0.43	<2	21
G278852		7.68	10	1	<0.01	<10	3.21	1890	<1	0.02	28	690	<2	0.22	<2	25
G278853		8.22	20	<1	0.01	<10	3.49	1505	<1	0.02	49	570	<2	0.02	<2	32
G278854		8.14	10	<1	0.07	<10	3.26	1580	<1	0.03	37	590	<2	0.07	<2	32
G278855		6.58	10	<1	0.08	<10	2.56	1530	<1	0.03	28	560	<2	0.13	<2	27
G278856		9.01	10	1	0.02	<10	3.53	1625	<1	0.02	29	790	<2	0.40	<2	33
G278857		9.54	20	1	0.02	<10	4.08	1650	<1	0.01	31	810	<2	0.52	<2	34
G278858		8.62	20	1	<0.01	<10	3.27	1505	<1	0.02	26	800	<2	0.13	<2	26
G278859		8.20	10	<1	0.01	<10	3.09	1930	<1	0.03	26	700	<2	0.04	<2	31
G278860		6.65	<10	2	0.29	<10	0.87	900	8	0.05	13	630	22	2.84	25	3
G278861		8.49	10	<1	0.02	<10	2.81	1560	<1	0.04	31	740	<2	0.14	<2	36
G278862		9.24	<10	<1	0.21	<10	3.03	1710	<1	0.02	28	430	3	6.99	<2	27
G278863		8.52	10	1	0.06	<10	3.00	1700	<1	0.04	27	730	<2	0.05	<2	34
G278864		9.21	20	<1	0.04	<10	3.32	1705	<1	0.03	25	740	<2	0.03	<2	33
G278865		8.65	<10	<1	0.18	<10	2.79	1700	<1	0.02	25	670	2	2.74	<2	28
G278866		8.12	10	<1	0.13	<10	2.85	1815	<1	0.04	21	740	<2	0.04	<2	28
G278867		8.42	<10	<1	0.21	<10	2.80	1835	<1	0.02	21	680	2	2.24	<2	25
G278868		9.31	10	1	0.09	<10	3.13	1885	<1	0.02	29	720	<2	0.17	<2	31



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12189783**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G278844		110	<20	0.25	<10	<10	307	<10	98
G278845		124	<20	0.11	<10	<10	334	<10	119
G278846		257	<20	<0.01	<10	<10	30	<10	38
G278847		113	<20	<0.01	<10	<10	157	<10	118
G278848		159	<20	<0.01	<10	<10	110	<10	78
G278849		116	<20	0.16	<10	<10	336	<10	115
G278850		5560	20	<0.01	<10	10	2	<10	6
G278851		139	<20	0.16	<10	<10	211	<10	88
G278852		119	<20	0.31	<10	<10	267	<10	97
G278853		116	<20	0.04	<10	<10	293	<10	98
G278854		132	<20	<0.01	<10	<10	211	<10	91
G278855		127	<20	<0.01	<10	<10	124	<10	85
G278856		81	<20	0.01	<10	<10	251	<10	112
G278857		102	<20	0.01	<10	<10	290	<10	117
G278858		247	<20	0.05	<10	<10	315	<10	107
G278859		291	<20	0.03	<10	<10	287	<10	102
G278860		68	<20	0.04	<10	<10	43	<10	99
G278861		284	<20	0.01	<10	<10	262	10	95
G278862		421	<20	<0.01	<10	<10	45	<10	53
G278863		267	<20	0.01	<10	<10	245	<10	107
G278864		361	<20	0.02	<10	<10	302	<10	109
G278865		301	<20	<0.01	<10	<10	83	<10	98
G278866		301	<20	<0.01	<10	<10	131	<10	96
G278867		322	<20	<0.01	<10	<10	56	<10	93
G278868		232	<20	<0.01	<10	<10	170	<10	111



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**CERTIFICATE TR12189781**

Project: CMV12-01  
 P.O. No.: CMV12-01\_38  
 This report is for 82 Drill Core samples submitted to our lab in Terrace, BC, Canada on 14-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
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<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12189781**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278873		1.13	<0.005		<0.2	2.66	14	<10	100	<0.5	<2	1.57	<0.5	28	101	81
G278874		0.68	0.014		<0.2	2.31	39	<10	40	0.6	<2	3.14	<0.5	40	46	70
G278875		0.73	0.009		<0.2	3.84	38	<10	50	0.6	<2	4.48	<0.5	42	52	69
G278876		2.62	<0.005		<0.2	3.35	10	<10	30	<0.5	<2	2.74	<0.5	31	64	77
G278877		3.13	<0.005		<0.2	2.66	9	<10	10	<0.5	<2	2.21	<0.5	32	61	67
G278878		3.88	<0.005		<0.2	4.02	11	<10	50	0.5	<2	2.95	<0.5	35	66	72
G278879		1.77	0.020		<0.2	3.28	84	<10	60	0.7	<2	1.47	<0.5	59	58	94
G278880		0.08	2.07		0.4	2.17	10	<10	70	<0.5	<2	0.58	<0.5	10	28	619
G278881		1.38	0.008		<0.2	5.87	6	<10	70	0.6	<2	3.10	<0.5	39	66	78
G278882		3.47	0.015		<0.2	3.52	61	<10	60	0.6	<2	4.66	<0.5	45	51	74
G278883		0.95	1.090		1.1	0.60	2280	10	80	<0.5	<2	6.23	<0.5	32	8	35
G278884		1.29	2.77		0.7	0.17	9030	<10	30	<0.5	<2	1.78	<0.5	26	7	14
G278885		0.95	1.655		0.6	0.39	6060	<10	70	<0.5	<2	6.53	<0.5	34	6	18
G278886		2.41	3.95		0.6	0.14	5890	<10	30	<0.5	<2	4.02	<0.5	16	8	4
G278887		2.87	0.577		0.3	1.13	2570	<10	50	<0.5	2	6.01	<0.5	33	24	62
G278888		2.29	2.85		1.3	0.90	6670	<10	50	<0.5	2	5.96	<0.5	30	21	58
G278889		2.36	3.92		0.9	0.16	6080	<10	40	<0.5	3	4.60	<0.5	11	9	13
G278890		0.53	0.006		<0.2	0.03	12	<10	10	<0.5	<2	>25.0	<0.5	<1	1	4
G278891		2.39	1.275		1.0	0.35	1320	<10	60	<0.5	3	6.50	<0.5	27	8	24
G278892		2.69	0.037		0.3	1.43	215	<10	30	<0.5	<2	5.50	<0.5	30	29	54
G278893		4.51	0.015		<0.2	0.88	85	<10	40	<0.5	2	5.75	<0.5	31	16	55
G278894		4.31	0.005		0.2	1.46	68	<10	30	<0.5	2	5.34	<0.5	31	19	56
G278895		3.97	<0.005		<0.2	3.59	58	<10	20	<0.5	4	5.24	<0.5	35	37	60
G278896		3.91	<0.005		0.2	2.78	57	<10	20	<0.5	4	5.45	<0.5	34	33	52
G278897		2.61	0.399		0.3	1.44	213	<10	40	<0.5	2	5.71	<0.5	33	27	52
G278898		2.48	1.795		0.8	0.52	814	<10	70	<0.5	2	5.81	<0.5	34	14	89
G278899		4.13	0.149		<0.2	0.88	178	<10	70	<0.5	4	5.27	<0.5	31	9	52
G278900		0.07	3.49		4.0	1.45	260	<10	360	<0.5	4	1.25	1.4	8	50	71
G278901		1.89	1.290		0.3	0.90	963	<10	50	<0.5	2	6.01	<0.5	31	6	29
G278902		1.92	0.008		<0.2	3.37	9	<10	50	0.5	4	5.38	<0.5	32	43	55
G278903		2.74	0.808		0.5	2.15	318	<10	50	0.5	3	5.15	<0.5	35	52	70
G278904		0.88	0.029		<0.2	0.08	41	<10	40	<0.5	2	0.61	<0.5	2	12	<1
G278905		1.36	1.195		1.0	0.41	1920	<10	80	<0.5	3	7.1	<0.5	31	8	37
G278906		1.23	0.052		<0.2	0.01	34	<10	20	<0.5	2	0.71	<0.5	1	14	<1
G278907		1.46	0.658		0.5	0.35	994	<10	80	<0.5	2	7.3	<0.5	30	9	17
G278908		1.14	0.969		0.4	0.22	1035	<10	50	<0.5	3	2.67	<0.5	15	9	6
G278909		3.56	0.063		<0.2	1.43	127	<10	40	<0.5	2	5.62	<0.5	30	28	55
G278910		0.60	<0.005		<0.2	0.04	4	<10	20	<0.5	<2	>25.0	<0.5	<1	1	<1
G278911		3.75	<0.005		<0.2	1.67	55	<10	60	<0.5	2	5.57	<0.5	34	21	64
G278912		4.56	<0.005		0.3	0.91	71	<10	60	<0.5	3	6.33	<0.5	28	13	56



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**CERTIFICATE OF ANALYSIS TR12189781**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
Units	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
G278873	4.86	10	<1	0.02	<10	2.23	798	<1	0.07	35	460	<2	0.14	<2	9	
G278874	7.77	10	<1	0.01	<10	1.20	1460	<1	0.02	41	840	2	0.40	2	27	
G278875	7.33	10	1	0.02	10	1.30	1380	<1	0.02	42	790	4	0.56	2	32	
G278876	7.58	10	<1	<0.01	<10	2.37	1110	<1	0.05	31	780	<2	0.33	<2	14	
G278877	6.09	10	<1	<0.01	<10	1.85	980	<1	0.07	27	720	<2	0.47	2	7	
G278878	9.18	10	<1	0.01	<10	2.94	1150	<1	0.04	34	790	4	0.21	<2	19	
G278879	6.61	10	1	0.03	<10	1.18	506	<1	0.02	61	990	3	0.72	4	37	
G278880	4.17	10	<1	0.13	10	0.87	734	8	0.09	20	660	11	0.11	2	5	
G278881	12.25	20	1	0.01	<10	3.62	1315	<1	0.03	36	810	5	0.28	<2	27	
G278882	8.91	10	1	0.14	<10	1.99	1190	<1	0.03	42	780	4	0.60	2	29	
G278883	7.58	<10	<1	0.28	<10	2.70	1435	<1	0.03	26	470	4	5.09	7	24	
G278884	10.30	<10	<1	0.09	<10	0.54	356	<1	0.02	27	130	5	>10.0	6	7	
G278885	8.53	<10	1	0.21	<10	2.62	1470	<1	0.03	28	470	3	7.27	7	25	
G278886	5.29	<10	<1	0.07	<10	0.79	499	<1	0.02	17	580	2	4.44	3	7	
G278887	7.46	<10	<1	0.12	<10	1.87	1440	<1	0.01	32	570	2	1.63	<2	24	
G278888	7.34	<10	<1	0.14	<10	2.31	1425	<1	0.01	31	570	2	3.14	10	22	
G278889	3.93	<10	<1	0.08	<10	0.88	649	<1	0.01	11	540	<2	2.74	6	7	
G278890	0.04	<10	<1	<0.01	<10	1.37	25	<1	0.01	<1	40	<2	0.05	<2	<1	
G278891	6.70	<10	<1	0.14	<10	2.69	1565	<1	0.01	25	460	2	4.01	4	24	
G278892	6.28	<10	<1	0.06	<10	2.07	1400	<1	0.04	25	630	3	0.28	<2	28	
G278893	7.65	<10	<1	0.12	<10	2.68	1420	<1	0.03	29	650	<2	0.31	<2	26	
G278894	7.99	<10	<1	0.08	<10	2.55	1395	<1	0.06	26	700	2	0.25	<2	28	
G278895	9.48	10	<1	0.02	<10	3.14	1450	<1	0.03	32	780	2	0.29	<2	32	
G278896	8.10	10	<1	0.03	<10	2.69	1525	<1	0.03	31	810	<2	0.20	<2	33	
G278897	7.86	<10	1	0.09	<10	2.50	1510	<1	0.04	33	680	<2	0.54	2	30	
G278898	7.57	<10	<1	0.20	<10	3.04	1385	<1	0.02	44	320	2	2.45	9	24	
G278899	8.64	<10	<1	0.13	<10	2.73	1530	<1	0.04	27	770	3	0.43	3	25	
G278900	3.16	<10	5	0.13	<10	0.76	446	11	0.06	37	750	281	0.66	27	4	
G278901	9.68	<10	<1	0.11	<10	2.08	1545	<1	0.01	20	950	3	4.97	4	22	
G278902	7.59	10	<1	0.02	<10	1.66	1355	<1	0.01	32	950	<2	0.37	3	32	
G278903	7.67	10	<1	0.07	<10	2.29	1280	<1	0.01	46	580	2	1.65	4	32	
G278904	1.15	<10	<1	0.02	<10	0.23	198	<1	<0.01	2	90	<2	0.25	<2	2	
G278905	7.90	<10	<1	0.18	<10	3.09	1500	<1	0.01	36	300	5	6.96	4	29	
G278906	0.94	<10	<1	<0.01	<10	0.26	186	<1	<0.01	2	60	<2	0.19	<2	1	
G278907	6.69	<10	<1	0.17	<10	3.12	1470	<1	0.01	34	90	3	4.72	5	24	
G278908	6.43	<10	1	0.07	<10	1.07	606	<1	0.01	19	130	3	6.52	5	5	
G278909	6.06	<10	<1	0.07	<10	2.14	1455	<1	0.01	27	680	2	0.58	<2	30	
G278910	0.05	<10	1	<0.01	<10	1.70	26	<1	0.01	<1	40	<2	0.13	<2	<1	
G278911	8.16	<10	<1	0.09	<10	2.57	1495	<1	0.02	33	830	2	0.11	<2	31	
G278912	7.57	<10	<1	0.12	<10	2.65	1415	<1	0.02	29	630	2	0.09	<2	25	





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**CERTIFICATE OF ANALYSIS TR12189781**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G278873		38	<20	0.46	<10	<10	148	<10	58
G278874		31	<20	<0.01	<10	<10	214	<10	87
G278875		39	<20	0.01	<10	<10	244	<10	77
G278876		29	<20	0.60	<10	<10	226	<10	83
G278877		23	<20	0.74	<10	<10	185	<10	75
G278878		38	<20	0.52	<10	<10	252	<10	100
G278879		27	<20	0.01	<10	<10	294	<10	61
G278880		32	<20	0.14	<10	<10	59	<10	79
G278881		54	<20	0.03	<10	<10	289	<10	108
G278882		69	<20	0.02	<10	<10	221	<10	99
G278883		282	<20	<0.01	<10	<10	37	<10	41
G278884		59	<20	<0.01	<10	<10	12	<10	9
G278885		320	<20	<0.01	<10	<10	27	<10	33
G278886		69	<20	<0.01	<10	<10	13	<10	7
G278887		111	<20	<0.01	<10	<10	80	<10	83
G278888		187	<20	<0.01	<10	<10	67	<10	60
G278889		104	<20	<0.01	<10	<10	10	<10	12
G278890		4840	20	<0.01	<10	10	<1	<10	<2
G278891		247	<20	<0.01	<10	<10	28	<10	39
G278892		61	<20	<0.01	<10	<10	122	<10	87
G278893		88	<20	<0.01	<10	<10	60	<10	88
G278894		49	<20	<0.01	<10	<10	96	<10	95
G278895		43	<20	0.01	<10	<10	207	<10	108
G278896		47	<20	<0.01	<10	<10	196	<10	112
G278897		53	<20	<0.01	<10	<10	109	<10	119
G278898		195	<20	<0.01	<10	<10	35	<10	67
G278899		82	<20	<0.01	<10	<10	49	<10	102
G278900		35	<20	0.08	<10	<10	55	<10	261
G278901		179	<20	<0.01	<10	<10	83	<10	76
G278902		82	<20	0.02	<10	<10	314	<10	109
G278903		101	<20	<0.01	<10	<10	171	<10	82
G278904		18	<20	<0.01	<10	<10	7	<10	2
G278905		353	<20	<0.01	<10	<10	32	<10	49
G278906		16	<20	<0.01	<10	<10	4	<10	<2
G278907		271	<20	<0.01	<10	<10	32	<10	37
G278908		77	<20	<0.01	<10	<10	17	<10	15
G278909		104	<20	<0.01	<10	<10	154	<10	91
G278910		4720	20	<0.01	<10	10	<1	<10	<2
G278911		104	<20	<0.01	<10	<10	133	<10	106
G278912		102	<20	<0.01	<10	<10	55	<10	80



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Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278913		3.15	0.728		0.5	0.80	971	<10	80	<0.5	3	6.73	<0.5	30	8	43
G278914		2.24	1.635		0.4	0.66	863	<10	70	<0.5	3	6.31	<0.5	32	8	39
G278915		3.80	0.014		<0.2	2.71	53	<10	50	<0.5	3	6.00	<0.5	32	28	63
G278916		3.24	<0.005		0.2	4.12	10	<10	30	<0.5	3	5.66	<0.5	34	39	56
G278917		4.13	<0.005		<0.2	4.09	7	<10	40	<0.5	2	5.49	<0.5	35	37	68
G278918		4.41	<0.005		0.2	4.62	5	<10	20	<0.5	2	6.32	<0.5	34	43	59
G278919		4.17	<0.005		0.2	4.81	20	<10	30	<0.5	4	6.38	<0.5	36	42	70
G278920		0.07	>10.0	9.59	0.7	1.53	3960	<10	70	<0.5	4	0.78	<0.5	13	68	65
G278921		2.18	2.20		0.9	0.84	1180	<10	80	<0.5	2	5.92	<0.5	32	8	43
G278922		1.87	1.775		0.5	0.40	1055	<10	80	<0.5	2	8.3	<0.5	32	8	14
G278923		1.85	0.630		<0.2	0.95	733	<10	40	<0.5	<2	7.1	<0.5	32	16	21
G278924		4.46	0.073		<0.2	3.02	43	<10	10	<0.5	<2	6.02	<0.5	35	28	68
G278925			0.100		<0.2	2.98	39	<10	10	<0.5	<2	6.08	<0.5	35	28	68
G278926		2.14	2.03		0.4	0.56	>10000	<10	40	<0.5	2	5.57	<0.5	35	6	28
G278927		1.47	1.575		0.2	0.04	722	<10	<10	<0.5	<2	0.84	<0.5	9	5	2
G278928		2.15	3.44		0.3	0.39	2110	<10	50	<0.5	<2	6.96	<0.5	44	5	34
G278929		4.30	<0.005		<0.2	4.65	22	<10	10	<0.5	<2	6.12	<0.5	35	44	65
G278930		0.50	<0.005		<0.2	0.08	<2	<10	<10	<0.5	<2	>25.0	<0.5	1	<1	<1
G278931		3.45	<0.005		<0.2	4.41	<2	<10	<10	<0.5	<2	5.59	<0.5	34	53	69
G278932		2.44	<0.005		<0.2	4.36	<2	<10	10	0.5	<2	3.19	<0.5	39	36	71
G278933		1.42	<0.005		<0.2	2.23	11	<10	20	0.6	<2	6.49	<0.5	35	33	73
G278934		4.25	<0.005		<0.2	3.25	<2	<10	<10	<0.5	<2	2.99	<0.5	31	49	86
G278935		4.01	<0.005		<0.2	4.51	23	<10	20	<0.5	<2	5.99	<0.5	37	91	66
G278936		4.93	3.54		0.6	0.54	935	<10	60	<0.5	2	8.8	<0.5	36	10	25
G278937		4.41	1.055		<0.2	0.54	906	<10	50	<0.5	<2	8.2	<0.5	35	9	25
G278938		2.37	0.609		<0.2	0.33	817	<10	50	<0.5	<2	8.1	<0.5	29	7	15
G278939		4.37	0.021		<0.2	2.22	41	<10	10	<0.5	<2	5.62	<0.5	33	43	65
G278940		0.07	0.295		0.2	0.37	456	<10	1160	<0.5	<2	1.03	<0.5	3	40	39
G278941		4.01	0.010		<0.2	3.57	37	<10	10	<0.5	<2	6.28	<0.5	40	70	86
G278942		3.12	0.285		<0.2	1.73	1830	<10	30	<0.5	<2	7.4	<0.5	32	32	66
G278943		2.97	<0.005		<0.2	4.55	78	<10	<10	<0.5	<2	6.15	<0.5	39	87	72
G278944		4.28	<0.005		<0.2	4.44	38	<10	<10	<0.5	<2	6.25	<0.5	37	89	76
G278945		4.54	<0.005		<0.2	4.13	28	<10	<10	<0.5	<2	5.66	<0.5	37	62	59
G278946		1.69	<0.005		<0.2	4.05	47	<10	20	<0.5	<2	4.98	<0.5	40	18	63
G278947		2.82	1.740		0.2	0.97	1470	<10	40	<0.5	<2	7.9	<0.5	38	6	38
G278948		2.68	6.70	6.82	0.9	0.84	2560	<10	20	0.5	<2	7.6	<0.5	51	6	37
G278949		3.20	0.007		<0.2	4.94	8	<10	230	0.5	<2	4.50	<0.5	45	19	121
G278950		0.56	<0.005		<0.2	0.05	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G278951		2.61	<0.005		<0.2	3.42	3	<10	1050	<0.5	<2	3.38	<0.5	38	14	52
G278952		3.92	<0.005		<0.2	2.64	<2	<10	2860	<0.5	<2	2.78	<0.5	37	55	59



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G278913		7.91	<10	<1	0.16	<10	2.69	1375	1	0.03	28	740	5	2.63	3	25
G278914		6.89	<10	<1	0.17	<10	2.56	1485	<1	0.01	24	650	<2	3.73	<2	26
G278915		7.92	10	<1	0.06	<10	3.13	1625	<1	0.02	30	690	2	0.26	<2	32
G278916		8.57	10	<1	0.03	<10	3.17	1530	<1	0.02	28	810	3	0.37	<2	33
G278917		8.40	10	<1	0.04	<10	3.15	1490	<1	0.02	30	850	<2	0.49	<2	31
G278918		8.64	10	1	0.01	<10	3.28	1520	<1	0.02	29	830	3	0.38	<2	32
G278919		9.03	20	1	0.01	<10	3.19	1415	<1	0.02	30	780	3	0.35	<2	34
G278920		3.55	<10	<1	0.16	10	0.86	398	6	0.06	63	500	7	0.96	35	4
G278921		8.40	<10	<1	0.13	<10	2.54	1350	<1	0.02	29	680	4	5.24	3	22
G278922		7.77	<10	<1	0.17	<10	3.28	1775	<1	0.02	35	430	3	5.82	<2	25
G278923		7.25	<10	<1	0.16	<10	3.30	1465	<1	0.02	40	200	4	4.03	2	25
G278924		8.19	10	<1	0.10	<10	3.19	1435	<1	0.02	29	790	2	0.44	<2	27
G278925		8.24	10	<1	0.09	<10	3.21	1460	<1	0.02	30	800	2	0.43	2	27
G278926		8.73	<10	<1	0.16	<10	2.33	1315	<1	0.02	32	400	2	6.76	8	19
G278927		2.86	<10	<1	0.01	<10	0.31	201	<1	0.01	10	30	2	2.86	<2	3
G278928		9.55	<10	<1	0.21	<10	2.96	1945	<1	0.02	34	580	3	9.99	4	30
G278929		8.42	20	<1	0.03	<10	3.47	1465	<1	0.01	33	840	<2	0.15	<2	32
G278930		0.09	<10	<1	0.01	<10	1.62	32	<1	0.02	<1	40	<2	0.09	<2	<1
G278931		8.07	10	<1	0.01	<10	3.55	1520	<1	0.02	32	770	2	0.23	<2	26
G278932		9.05	10	<1	<0.01	<10	3.80	1290	<1	0.02	30	1000	<2	0.30	2	19
G278933		5.07	10	1	0.01	<10	1.33	1235	<1	0.01	30	910	2	0.61	2	32
G278934		6.58	10	<1	<0.01	<10	2.92	1040	<1	0.03	30	820	<2	0.04	2	15
G278935		8.26	10	<1	0.03	<10	3.65	1400	<1	0.02	43	670	<2	0.17	<2	34
G278936		7.81	<10	<1	0.21	<10	3.62	1865	<1	0.02	38	1030	2	5.62	5	31
G278937		7.43	<10	<1	0.21	<10	3.45	1765	<1	0.02	35	430	2	4.47	2	27
G278938		6.76	<10	<1	0.15	<10	3.22	1690	<1	0.02	34	450	<2	4.60	2	23
G278939		6.89	10	<1	0.07	<10	2.99	1510	<1	0.02	36	590	<2	0.19	<2	28
G278940		3.83	<10	4	0.09	10	0.03	74	14	0.02	16	140	14	0.22	28	1
G278941		8.34	10	<1	0.03	<10	3.33	1640	<1	0.03	48	600	<2	0.36	<2	31
G278942		7.11	<10	<1	0.11	<10	2.86	1715	<1	0.02	39	620	<2	0.47	2	24
G278943		8.36	20	<1	0.01	<10	3.53	1550	<1	0.03	49	620	<2	0.15	<2	34
G278944		7.90	20	<1	<0.01	<10	3.38	1545	<1	0.03	46	620	<2	0.17	<2	35
G278945		8.52	10	<1	0.03	<10	3.43	1720	<1	0.03	38	670	2	0.10	2	34
G278946		9.78	10	<1	0.06	<10	3.44	1950	<1	0.02	29	770	<2	0.06	<2	35
G278947		8.71	<10	<1	0.17	<10	2.69	2010	<1	0.02	30	560	4	6.35	2	26
G278948		12.35	<10	<1	0.19	<10	2.64	1960	<1	0.02	47	820	7	>10.0	4	29
G278949		12.15	20	<1	0.05	<10	3.04	1755	<1	0.03	50	780	3	0.99	<2	31
G278950		0.08	<10	<1	<0.01	<10	1.65	31	<1	0.02	<1	40	<2	0.08	<2	<1
G278951		7.94	10	<1	0.09	<10	2.82	1475	<1	0.07	25	790	<2	0.02	<2	19
G278952		7.79	10	<1	0.15	<10	2.68	1310	<1	0.12	33	740	<2	0.01	<2	18



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**CERTIFICATE OF ANALYSIS TR12189781**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G278913		141	<20	<0.01	<10	<10	52	<10	64
G278914		206	<20	<0.01	<10	<10	40	<10	50
G278915		125	<20	<0.01	<10	<10	177	<10	92
G278916		116	<20	0.04	<10	<10	282	<10	104
G278917		132	<20	0.02	<10	<10	254	<10	103
G278918		111	<20	0.05	<10	<10	302	<10	110
G278919		95	<20	0.04	<10	<10	326	<10	112
G278920		38	<20	0.10	<10	<10	49	40	50
G278921		201	<20	<0.01	<10	<10	36	<10	50
G278922		314	<20	<0.01	<10	<10	26	<10	25
G278923		284	<20	<0.01	<10	<10	32	<10	38
G278924		99	<20	0.01	<10	<10	138	<10	90
G278925		99	<20	0.01	<10	<10	135	<10	90
G278926		220	<20	<0.01	<10	<10	31	<10	34
G278927		35	<20	<0.01	<10	<10	3	<10	4
G278928		308	<20	<0.01	<10	<10	26	<10	36
G278929		122	<20	0.07	<10	<10	289	<10	98
G278930		5480	20	<0.01	<10	10	2	<10	<2
G278931		105	<20	0.20	<10	<10	270	<10	95
G278932		68	<20	0.64	<10	<10	260	<10	114
G278933		97	<20	0.01	<10	<10	246	<10	80
G278934		87	<20	0.81	<10	<10	196	<10	78
G278935		84	<20	0.04	<10	<10	266	<10	94
G278936		361	<20	<0.01	<10	<10	34	<10	39
G278937		278	<20	<0.01	<10	<10	31	<10	41
G278938		273	<20	<0.01	<10	<10	23	<10	31
G278939		62	<20	<0.01	<10	<10	124	<10	88
G278940		73	<20	0.01	10	<10	27	10	22
G278941		59	<20	0.01	<10	<10	205	<10	99
G278942		93	<20	<0.01	<10	<10	105	<10	75
G278943		49	<20	0.05	<10	<10	291	<10	98
G278944		49	<20	0.07	<10	<10	299	<10	91
G278945		80	<20	0.05	<10	<10	277	<10	98
G278946		113	<20	0.01	<10	<10	216	<10	117
G278947		182	<20	<0.01	<10	<10	70	<10	68
G278948		257	<20	<0.01	<10	<10	70	<10	67
G278949		103	<20	0.10	<10	<10	351	<10	135
G278950		4910	20	<0.01	<10	10	2	<10	<2
G278951		108	<20	0.60	<10	<10	247	<10	111
G278952		108	<20	0.45	<10	<10	245	<10	103



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**CERTIFICATE OF ANALYSIS TR12189781**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
G278953		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278954		0.89	0.018		<0.2	2.65	30	<10	320	0.7	<2	3.68	<0.5	55	43	139
		3.26	<0.005		<0.2	2.81	4	<10	2760	<0.5	<2	3.25	<0.5	35	48	39



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**CERTIFICATE OF ANALYSIS TR12189781**

Sample Description	Method Analyte Units LOR	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm
G278953		7.70	10	1	0.03	<10	1.93	1445	<1	0.03	51	850	2	1.02	<2	33
G278954		7.88	10	<1	0.14	<10	2.69	1245	<1	0.11	29	770	<2	0.07	<2	17



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**CERTIFICATE OF ANALYSIS TR12189781**

Sample Description	Method Analyte Units LOR	ME-ICP41 Sr ppm	ME-ICP41 Th ppm	ME-ICP41 Ti %	ME-ICP41 Tl ppm	ME-ICP41 U ppm	ME-ICP41 V ppm	ME-ICP41 W ppm	ME-ICP41 Zn ppm
		1	20	0.01	10	10	1	10	2
G278953		121	<20	0.01	<10	<10	293	<10	103
G278954		137	<20	0.56	<10	<10	256	<10	104



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**CERTIFICATE TR12189782**

Project: CMV12-01  
 P.O. No.: CMV12-01\_39  
 This report is for 44 Drill Core samples submitted to our lab in Terrace, BC, Canada on 14-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager





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**CERTIFICATE OF ANALYSIS TR12189782**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G278955		3.56	<0.005	<0.2	2.07	41	<10	50	0.6	<2	6.48	<0.5	34	62	63	7.33
G278956		1.68	0.008	0.2	5.26	30	<10	60	0.6	<2	3.43	<0.5	39	99	81	11.10
G278957		2.41	0.401	0.3	1.47	262	<10	60	0.5	<2	7.14	<0.5	40	48	95	6.57
G278958		2.86	<0.005	0.2	4.52	2	<10	30	<0.5	<2	2.81	<0.5	40	82	114	9.91
G278959		1.46	<0.005	<0.2	2.04	24	<10	110	<0.5	<2	4.67	<0.5	36	74	72	7.15
G278960		0.10	0.727	2.3	0.66	29	<10	70	<0.5	9	1.85	0.6	8	32	7030	6.61
G278961		2.70	<0.005	0.2	4.99	6	<10	110	0.5	<2	2.26	<0.5	67	104	105	9.87
G278962		4.38	<0.005	<0.2	4.84	18	<10	30	<0.5	<2	5.54	<0.5	37	67	74	9.07
G278963		3.13	1.315	0.9	0.69	2190	<10	80	<0.5	<2	5.80	<0.5	30	11	47	7.44
G278964		2.39	1.195	0.6	0.53	2440	<10	60	<0.5	<2	6.08	<0.5	34	7	57	7.98
G278965		4.60	<0.005	<0.2	3.26	16	<10	30	<0.5	<2	2.44	<0.5	40	40	72	9.90
G278966		2.76	<0.005	<0.2	2.42	24	<10	50	0.6	<2	4.77	<0.5	42	33	86	8.64
G278967		4.26	<0.005	<0.2	4.27	4	<10	30	<0.5	<2	3.99	<0.5	37	48	65	9.41
G278968		2.79	<0.005	<0.2	5.06	8	<10	20	<0.5	<2	6.62	<0.5	39	45	63	9.43
G278969		3.04	1.165	0.4	1.35	1525	<10	90	<0.5	<2	7.1	<0.5	35	20	54	7.36
G278970		0.55	<0.005	0.2	0.09	2	<10	<10	<0.5	<2	>25.0	<0.5	1	1	1	0.12
G278971		1.05	3.67	0.8	0.11	647	<10	20	<0.5	<2	0.46	<0.5	12	21	8	4.66
G278972		2.19	2.59	0.9	1.20	1325	<10	80	0.6	<2	6.36	<0.5	37	13	51	9.04
G278973		3.99	<0.005	<0.2	3.08	55	<10	60	0.6	<2	5.40	<0.5	33	30	51	9.31
G278974		2.39	0.072	<0.2	2.15	82	<10	70	0.5	<2	5.42	<0.5	34	29	56	7.78
G278975		2.16	0.077	<0.2	1.98	88	<10	70	0.5	<2	5.71	<0.5	35	30	62	7.54
G278976		3.92	<0.005	0.2	4.81	<2	<10	40	0.5	<2	3.72	<0.5	39	47	69	9.92
G278977		4.65	<0.005	<0.2	3.72	4	<10	20	<0.5	<2	3.61	<0.5	33	43	67	7.67
G278978		2.76	<0.005	<0.2	5.01	<2	<10	110	<0.5	<2	6.44	<0.5	37	152	76	8.25
G278979		2.63	<0.005	<0.2	3.98	24	<10	40	<0.5	<2	8.1	<0.5	39	165	83	6.66
G278980		0.08	2.07	0.6	2.33	10	<10	80	<0.5	<2	0.66	<0.5	8	32	656	4.52
G278981		3.97	0.465	0.3	0.81	312	<10	70	<0.5	<2	6.31	<0.5	34	35	53	6.79
G278982		3.14	0.805	0.5	0.89	1215	<10	80	<0.5	<2	7.7	<0.5	33	9	51	8.05
G278983		3.34	<0.005	<0.2	2.68	24	<10	40	0.5	<2	4.24	<0.5	35	39	56	8.93
G278984		3.51	<0.005	0.3	1.90	37	<10	50	0.5	<2	7.9	<0.5	31	35	59	6.66
G278985		4.18	<0.005	<0.2	4.92	3	<10	20	<0.5	<2	5.33	<0.5	40	55	66	9.68
G278986		4.61	<0.005	<0.2	4.91	6	<10	10	<0.5	<2	6.31	<0.5	38	45	62	9.34
G278987		4.46	<0.005	0.2	4.99	15	<10	10	<0.5	<2	6.31	<0.5	39	58	72	9.34
G278988		1.38	0.606	0.3	1.71	1440	<10	60	<0.5	<2	8.9	<0.5	33	11	48	8.30
G278989		3.57	1.105	0.4	1.02	6610	<10	70	<0.5	<2	8.5	<0.5	36	10	26	8.15
G278990		0.52	<0.005	<0.2	0.05	9	<10	10	<0.5	<2	>25.0	<0.5	1	<1	2	0.07
G278991		1.96	1.015	0.3	0.41	4250	<10	60	<0.5	<2	7.9	<0.5	30	7	10	7.83
G278992		4.83	0.097	<0.2	2.93	54	<10	40	<0.5	<2	4.56	<0.5	41	38	73	9.10
G278993		4.32	<0.005	<0.2	1.97	71	<10	30	<0.5	<2	4.12	<0.5	39	44	74	8.02
G278994		2.03	1.695	0.5	1.17	>10000	<10	100	0.5	<2	5.91	<0.5	29	15	31	6.84



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
G278955		<10	<1	0.06	<10	2.47	1425	<1	0.01	34	450	<2	0.31	<2	30	84
G278956		10	<1	0.05	<10	4.03	1300	<1	0.01	45	530	<2	0.31	<2	32	51
G278957		<10	<1	0.12	<10	2.76	1390	<1	0.01	42	470	<2	1.17	<2	29	131
G278958		10	1	0.01	<10	3.43	1085	<1	0.02	41	740	2	0.50	<2	24	37
G278959		10	<1	0.02	<10	2.06	1805	<1	0.01	40	650	<2	0.33	<2	37	51
G278960		<10	2	0.29	<10	0.84	888	8	0.05	14	620	20	2.74	24	3	63
G278961		10	<1	0.01	<10	3.25	1195	<1	<0.01	75	720	<2	0.35	<2	37	48
G278962		10	1	0.01	<10	3.72	1435	<1	0.01	39	590	<2	0.17	<2	35	61
G278963		<10	<1	0.29	<10	2.32	1190	<1	0.02	25	440	3	4.30	6	18	157
G278964		<10	<1	0.19	<10	2.53	1500	<1	0.02	24	640	<2	3.13	<2	22	160
G278965		10	<1	0.01	<10	2.39	1805	<1	0.01	32	890	<2	0.39	<2	33	30
G278966		10	<1	0.07	<10	2.26	1680	1	0.02	33	890	<2	0.71	<2	32	75
G278967		10	<1	0.01	<10	3.31	1455	<1	0.05	30	920	<2	0.20	<2	22	71
G278968		20	1	0.01	<10	3.33	1540	<1	0.02	30	750	<2	0.24	<2	33	109
G278969		<10	<1	0.20	<10	2.92	1685	<1	0.03	28	390	<2	2.19	<2	28	193
G278970		<10	<1	<0.01	<10	1.71	36	<1	0.03	<1	40	<2	0.10	<2	<1	5560
G278971		<10	<1	0.05	<10	0.17	185	<1	0.01	14	60	4	4.15	2	2	18
G278972		<10	<1	0.24	<10	2.88	1820	<1	0.02	27	600	<2	6.16	<2	28	223
G278973		10	<1	0.10	<10	2.80	1515	<1	0.03	27	770	<2	0.34	<2	33	74
G278974		10	<1	0.08	<10	2.13	1715	<1	0.02	30	780	<2	0.76	<2	32	78
G278975		10	<1	0.09	<10	2.16	1660	<1	0.02	31	730	2	0.79	<2	32	85
G278976		10	<1	0.01	<10	3.38	1445	<1	0.03	32	930	<2	0.33	<2	24	64
G278977		10	<1	0.01	<10	2.69	1330	<1	0.06	29	920	<2	0.19	<2	15	59
G278978		10	<1	0.01	<10	3.84	1435	<1	0.02	49	480	<2	0.06	<2	33	135
G278979		10	1	<0.01	<10	3.08	1425	<1	0.02	59	420	<2	0.18	<2	38	126
G278980		10	<1	0.15	10	0.93	790	10	0.09	20	700	11	0.10	<2	6	33
G278981		<10	<1	0.22	<10	3.10	1440	<1	0.03	36	490	<2	1.22	<2	26	166
G278982		<10	<1	0.26	<10	2.84	1635	<1	0.03	25	680	<2	2.43	<2	26	199
G278983		10	<1	0.01	<10	2.14	1800	<1	0.03	31	880	<2	0.13	<2	38	53
G278984		10	<1	0.03	<10	2.28	1475	<1	0.05	25	680	<2	0.23	<2	30	100
G278985		20	<1	0.01	<10	3.79	1740	<1	0.04	32	810	<2	0.20	<2	30	92
G278986		20	<1	0.01	<10	3.42	1595	<1	0.04	28	820	<2	0.22	<2	32	70
G278987		20	<1	0.02	<10	3.65	1585	<1	0.04	33	730	<2	0.24	<2	35	68
G278988		<10	<1	0.21	<10	2.95	1820	<1	0.03	24	730	<2	0.59	<2	26	134
G278989		<10	1	0.23	<10	3.26	1795	<1	0.03	27	570	<2	2.39	<2	29	257
G278990		<10	1	0.01	<10	1.64	33	<1	0.03	<1	40	<2	0.09	<2	<1	5620
G278991		<10	<1	0.19	<10	3.12	1750	<1	0.03	24	450	<2	2.78	<2	26	274
G278992		10	<1	0.11	<10	2.90	1485	<1	0.02	35	760	<2	0.34	<2	31	79
G278993		10	<1	0.05	<10	2.22	1780	<1	0.02	33	730	<2	0.23	<2	33	52
G278994		<10	<1	0.21	<10	2.31	1205	<1	0.03	29	760	<2	2.19	2	22	155



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**CERTIFICATE OF ANALYSIS TR12189782**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G278955		<20	<0.01	<10	<10	165	<10	119
G278956		<20	<0.01	<10	<10	239	<10	173
G278957		<20	0.01	<10	<10	134	<10	162
G278958		<20	0.29	<10	<10	260	<10	123
G278959		<20	<0.01	<10	<10	273	<10	151
G278960		<20	0.04	<10	<10	41	<10	103
G278961		<20	<0.01	<10	<10	289	<10	159
G278962		<20	0.02	<10	<10	286	<10	139
G278963		<20	<0.01	<10	<10	42	<10	60
G278964		<20	<0.01	<10	<10	37	<10	78
G278965		<20	0.01	<10	<10	323	<10	122
G278966		<20	0.01	<10	<10	235	<10	129
G278967		<20	0.65	<10	<10	308	<10	117
G278968		<20	0.04	<10	<10	321	<10	115
G278969		<20	<0.01	<10	<10	128	<10	69
G278970		20	<0.01	<10	10	3	<10	3
G278971		<20	<0.01	<10	<10	7	<10	5
G278972		<20	<0.01	<10	<10	95	<10	72
G278973		<20	<0.01	<10	<10	214	<10	136
G278974		<20	<0.01	<10	<10	221	<10	132
G278975		<20	<0.01	<10	<10	199	<10	135
G278976		<20	0.44	<10	<10	317	<10	120
G278977		<20	0.77	<10	<10	269	<10	96
G278978		<20	0.01	<10	<10	249	<10	87
G278979		<20	0.01	<10	<10	255	<10	82
G278980		<20	0.15	<10	<10	66	<10	91
G278981		<20	<0.01	<10	<10	57	<10	68
G278982		<20	<0.01	<10	<10	50	<10	66
G278983		<20	<0.01	<10	<10	310	<10	106
G278984		<20	<0.01	<10	<10	191	<10	90
G278985		<20	0.12	<10	<10	299	<10	114
G278986		<20	0.10	<10	<10	327	<10	111
G278987		<20	0.04	<10	<10	329	<10	114
G278988		<20	<0.01	<10	<10	66	<10	79
G278989		<20	<0.01	<10	<10	59	<10	51
G278990		20	<0.01	<10	10	1	<10	<2
G278991		<20	<0.01	<10	<10	30	<10	39
G278992		<20	<0.01	<10	<10	208	<10	103
G278993		<20	<0.01	<10	<10	243	<10	108
G278994		<20	<0.01	<10	<10	74	<10	57



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**CERTIFICATE OF ANALYSIS TR12189782**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G278995		1.83	0.035	<0.2	0.73	445	<10	70	<0.5	<2	7.4	<0.5	34	4	58	7.97
G278996		3.08	<0.005	<0.2	3.10	80	<10	20	<0.5	<2	5.87	<0.5	41	16	66	9.27
G278997		4.32	<0.005	<0.2	3.65	53	<10	70	<0.5	<2	5.48	<0.5	41	19	76	9.42
G278998		4.14	<0.005	<0.2	4.61	16	<10	20	<0.5	<2	6.47	<0.5	38	22	55	9.83



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**CERTIFICATE OF ANALYSIS TR12189782**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
G278995		<10	<1	0.15	<10	2.80	1625	<1	0.02	19	670	<2	0.29	<2	22	88
G278996		10	<1	0.07	<10	3.06	1615	<1	0.02	25	750	<2	0.20	<2	31	71
G278997		10	<1	0.03	<10	3.03	1560	<1	0.03	26	760	<2	0.28	<2	36	61
G278998		20	<1	0.03	<10	3.33	1705	<1	0.04	26	750	<2	0.20	<2	36	87



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**CERTIFICATE OF ANALYSIS TR12189782**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G278995		<20	<0.01	<10	<10	40	<10	84
G278996		<20	<0.01	<10	<10	195	<10	112
G278997		<20	0.01	<10	<10	300	<10	109
G278998		<20	0.02	<10	<10	325	<10	122



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**CERTIFICATE TR12188073**

Project: CMV12-01  
 P.O. No.: CMV12-01\_40  
 This report is for 74 Drill Core samples submitted to our lab in Terrace, BC, Canada on 21-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12188073**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G278999		4.52	<0.005		<0.2	3.18	3	<10	40	<0.5	<2	5.19	<0.5	33	56	59
G279000		0.07	3.56		3.6	1.37	253	<10	470	<0.5	2	1.18	1.4	8	51	69
G279001		4.46	<0.005		<0.2	3.54	31	<10	10	<0.5	<2	6.60	<0.5	37	68	59
G279002		4.45	0.011		<0.2	1.37	195	<10	20	<0.5	<2	6.07	<0.5	31	22	51
G279003		1.33	0.836		0.3	0.43	604	<10	50	<0.5	<2	6.7	<0.5	30	6	25
G279004		0.91	0.102		<0.2	0.02	157	<10	<10	<0.5	<2	0.26	<0.5	1	7	1
G279005		2.08	0.028		<0.2	1.41	60	<10	30	<0.5	<2	5.69	<0.5	40	26	63
G279006		4.37	<0.005		<0.2	2.89	2	<10	10	<0.5	<2	5.76	<0.5	39	63	124
G279007		4.75	<0.005		<0.2	3.18	3	<10	30	<0.5	<2	5.92	<0.5	35	65	33
G279008		3.92	0.013		<0.2	0.94	55	<10	20	<0.5	<2	6.45	<0.5	33	21	47
G279009		2.57	0.968		0.9	0.23	649	<10	40	<0.5	<2	6.37	<0.5	29	5	45
G279010		0.55	<0.005		0.3	0.03	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G279011		0.93	0.119		<0.2	0.13	1170	<10	30	<0.5	<2	4.62	<0.5	12	5	5
G279012		4.49	0.176		0.2	1.04	553	<10	40	<0.5	<2	6.25	<0.5	36	20	52
G279013		4.35	<0.005		<0.2	1.83	64	<10	30	<0.5	<2	6.88	<0.5	36	37	51
G279014		3.69	0.009		<0.2	2.16	73	<10	60	0.5	<2	4.71	<0.5	34	47	48
G279015		1.98	<0.005		<0.2	4.42	32	<10	60	<0.5	2	6.26	<0.5	37	63	55
G279016		3.38	<0.005		<0.2	2.85	7	<10	30	<0.5	<2	2.89	<0.5	33	60	69
G279017		1.10	0.090		<0.2	1.93	68	<10	170	0.8	<2	8.2	<0.5	32	40	79
G279018		3.60	<0.005		<0.2	2.64	4	<10	20	<0.5	<2	3.00	<0.5	29	73	79
G279019		3.61	<0.005		<0.2	4.40	59	<10	20	<0.5	2	6.04	<0.5	37	51	61
G279020		0.07	7.46	NSS	0.5	1.45	3740	<10	60	<0.5	2	0.77	<0.5	13	66	63
G279021		2.80	1.635		0.3	0.66	1230	<10	50	0.5	<2	6.76	<0.5	43	13	20
G279022		3.32	2.47		0.7	0.43	1140	<10	60	<0.5	<2	8.8	<0.5	35	8	31
G279023		1.49	0.079		<0.2	2.37	113	<10	60	0.6	<2	5.93	<0.5	35	31	60
G279024		1.13	0.393		<0.2	1.49	477	<10	50	0.6	<2	6.37	<0.5	37	9	66
G279025			0.399		<0.2	1.50	458	<10	50	0.6	<2	6.23	<0.5	36	9	65
G279026		3.19	<0.005		<0.2	3.61	17	<10	30	<0.5	<2	3.89	<0.5	35	26	53
G279027		3.26	<0.005		<0.2	3.30	10	<10	110	<0.5	<2	3.61	<0.5	40	32	66
G279028		2.78	<0.005		<0.2	0.76	37	<10	60	0.5	<2	5.89	<0.5	35	21	56
G279029		5.76	<0.005		<0.2	2.76	12	<10	20	<0.5	<2	2.47	<0.5	33	61	68
G279030		0.48	<0.005		0.4	0.03	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G279031		4.78	0.008		0.3	1.40	25	<10	90	0.6	<2	8.1	<0.5	38	34	125
G279032		4.41	0.041		0.2	1.88	53	<10	90	0.8	<2	5.08	<0.5	53	31	73
G279033		3.21	0.008		<0.2	2.04	20	<10	200	0.8	<2	1.52	<0.5	49	48	73
G279034		3.80	<0.005		0.2	3.89	7	<10	450	0.8	<2	5.26	<0.5	44	28	141
G279035		3.55	0.016		<0.2	1.75	29	<10	60	0.8	<2	2.93	<0.5	46	19	69
G279036		2.12	<0.005		<0.2	2.60	7	<10	60	1.0	<2	1.77	<0.5	55	23	73
G279037		3.71	<0.005		<0.2	2.89	4	<10	1970	<0.5	<2	2.81	<0.5	34	21	82
G279038		3.67	0.014		<0.2	1.42	34	<10	80	0.7	<2	1.78	<0.5	42	18	75





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**CERTIFICATE OF ANALYSIS TR12188073**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G278999		6.65	10	<1	0.01	<10	2.19	1130	<1	0.02	42	1440	<2	0.17	<2	20
G279000		3.08	<10	4	0.13	<10	0.73	415	12	0.06	37	700	279	0.60	24	4
G279001		7.62	20	<1	0.01	<10	2.79	1250	<1	0.02	42	720	<2	0.03	<2	31
G279002		7.45	<10	<1	0.07	<10	2.51	1255	<1	0.03	36	720	2	0.05	<2	26
G279003		7.10	<10	<1	0.17	<10	2.64	1345	<1	0.01	35	750	3	2.73	<2	21
G279004		0.74	<10	<1	0.01	<10	0.09	112	<1	<0.01	2	20	<2	0.09	<2	1
G279005		7.17	<10	<1	0.10	<10	2.70	1280	<1	0.02	42	610	<2	0.17	<2	24
G279006		7.60	10	<1	0.02	<10	2.75	1225	<1	0.03	50	720	<2	0.03	<2	31
G279007		7.26	10	<1	0.02	<10	2.82	1225	<1	0.02	40	630	<2	0.02	<2	30
G279008		6.81	<10	<1	0.07	<10	2.54	1325	<1	0.03	39	950	<2	0.07	<2	26
G279009		6.49	<10	<1	0.13	<10	2.63	1285	<1	0.01	33	350	3	3.17	5	19
G279010		0.07	<10	<1	<0.01	<10	1.62	28	<1	0.01	<1	40	<2	0.06	<2	<1
G279011		2.77	<10	<1	0.07	<10	1.17	710	<1	0.01	15	1100	<2	1.26	2	10
G279012		7.14	<10	<1	0.10	<10	2.56	1330	<1	0.01	36	590	<2	1.14	<2	24
G279013		6.80	10	<1	0.05	<10	2.39	1275	<1	0.01	33	530	<2	0.10	<2	27
G279014		6.22	10	<1	0.02	<10	1.65	992	<1	0.01	36	570	<2	0.10	<2	30
G279015		8.21	20	<1	<0.01	<10	3.26	1375	<1	0.01	39	610	<2	0.03	<2	30
G279016		5.85	10	<1	0.02	<10	2.12	985	<1	0.03	34	650	<2	0.24	<2	13
G279017		6.05	10	<1	0.06	<10	2.50	1285	<1	0.02	32	590	<2	0.36	<2	26
G279018		4.88	10	<1	<0.01	<10	1.78	866	<1	0.04	36	580	<2	0.18	<2	8
G279019		8.45	20	<1	0.01	<10	3.28	1410	<1	0.01	35	680	<2	0.26	2	31
G279020		3.36	10	<1	0.16	10	0.81	363	6	0.06	61	460	6	0.87	31	4
G279021		8.59	<10	<1	0.16	<10	2.53	1455	<1	0.01	45	260	4	6.42	<2	26
G279022		8.07	<10	<1	0.15	<10	3.13	1800	<1	0.01	36	1120	3	5.27	3	26
G279023		8.38	10	<1	0.09	<10	2.70	1360	<1	0.01	36	630	<2	0.25	2	27
G279024		7.88	10	<1	0.16	<10	2.54	1470	<1	0.01	29	690	2	2.56	<2	26
G279025		7.64	10	<1	0.17	<10	2.48	1450	<1	0.01	27	670	<2	2.42	<2	26
G279026		7.33	10	<1	0.04	<10	2.71	1205	<1	0.02	29	700	<2	0.19	<2	18
G279027		8.31	10	<1	0.03	<10	3.11	1255	<1	0.03	29	620	<2	0.12	<2	23
G279028		7.90	<10	<1	0.06	<10	2.29	1715	<1	0.01	28	670	<2	0.32	2	24
G279029		6.04	10	<1	<0.01	<10	2.13	993	<1	0.03	37	680	<2	0.12	<2	10
G279030		0.05	<10	<1	<0.01	<10	1.52	25	<1	0.01	1	30	<2	0.09	<2	<1
G279031		7.12	10	1	0.08	130	1.87	1955	1	0.02	40	3140	13	0.61	<2	25
G279032		8.00	10	2	0.06	110	1.94	1520	21	0.01	44	2650	6	1.08	3	26
G279033		8.39	10	2	0.02	10	1.17	1530	1	0.01	44	850	2	0.86	<2	43
G279034		11.20	10	1	0.08	100	2.66	1040	5	0.04	37	2710	3	0.80	3	24
G279035		10.05	10	2	0.03	10	1.52	2290	<1	0.01	39	920	<2	1.55	3	37
G279036		12.05	10	1	0.02	10	1.50	1690	<1	0.01	40	1000	<2	1.22	2	39
G279037		9.46	10	<1	0.12	<10	2.19	1190	<1	0.08	27	760	<2	0.07	<2	16
G279038		9.53	10	1	0.02	<10	1.10	1955	<1	0.01	33	760	<2	0.71	<2	33



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G278999		67	<20	0.25	<10	<10	198	<10	75
G279000		32	<20	0.08	<10	<10	54	<10	255
G279001		118	<20	0.05	<10	<10	264	<10	89
G279002		99	<20	<0.01	<10	<10	70	<10	91
G279003		247	<20	<0.01	<10	<10	19	<10	53
G279004		8	<20	<0.01	<10	<10	2	<10	3
G279005		138	<20	<0.01	<10	<10	59	<10	83
G279006		100	<20	0.01	<10	<10	206	<10	87
G279007		108	<20	0.02	<10	<10	222	<10	87
G279008		100	<20	<0.01	<10	<10	65	<10	76
G279009		238	<20	<0.01	<10	<10	15	<10	40
G279010		4780	<20	<0.01	<10	<10	<1	<10	<2
G279011		129	<20	<0.01	<10	<10	10	<10	11
G279012		117	<20	<0.01	<10	<10	61	<10	63
G279013		53	<20	<0.01	<10	<10	124	<10	76
G279014		42	<20	<0.01	<10	<10	214	<10	80
G279015		53	<20	0.06	<10	<10	266	<10	87
G279016		27	<20	0.49	<10	<10	181	<10	71
G279017		91	<20	0.06	<10	<10	158	<10	88
G279018		24	<20	0.47	<10	<10	154	<10	65
G279019		73	<20	0.10	<10	<10	291	<10	96
G279020		36	<20	0.10	<10	<10	47	40	48
G279021		248	<20	<0.01	<10	<10	51	<10	41
G279022		348	<20	<0.01	<10	<10	34	<10	42
G279023		77	<20	<0.01	<10	<10	126	<10	89
G279024		142	<20	<0.01	<10	<10	99	<10	87
G279025		140	<20	<0.01	<10	<10	99	<10	83
G279026		50	<20	0.32	<10	<10	219	<10	87
G279027		70	<20	0.53	<10	<10	254	<10	96
G279028		80	<20	<0.01	<10	<10	168	<10	87
G279029		42	<20	0.64	<10	<10	172	<10	75
G279030		5160	<20	<0.01	<10	<10	1	<10	<2
G279031		273	20	<0.01	<10	<10	188	<10	98
G279032		126	20	<0.01	<10	<10	215	<10	76
G279033		43	<20	<0.01	<10	<10	320	<10	172
G279034		464	20	0.01	<10	<10	232	<10	139
G279035		51	<20	<0.01	<10	<10	293	<10	140
G279036		62	<20	<0.01	<10	<10	336	<10	150
G279037		93	<20	0.36	<10	<10	210	<10	108
G279038		30	<20	0.01	<10	<10	259	<10	128



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Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
G279039		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G279040		2.77	<0.005		<0.2	1.98	13	<10	100	0.6	<2	1.16	<0.5	58	16	89
G279041		0.08	0.266		0.4	0.35	432	<10	720	<0.5	<2	0.99	<0.5	3	39	38
G279042		2.44	<0.005		<0.2	4.30	5	<10	1290	0.7	<2	3.02	<0.5	48	13	70
G279043		4.46	<0.005		<0.2	3.26	2	<10	310	0.5	<2	3.07	<0.5	39	39	64
G279044		5.11	<0.005		<0.2	2.65	3	<10	100	<0.5	<2	2.98	<0.5	32	52	78
G279045		4.35	<0.005		<0.2	2.53	8	<10	150	<0.5	<2	3.22	<0.5	33	67	75
G279046		3.32	<0.005		<0.2	1.20	10	<10	100	0.6	<2	3.82	<0.5	46	47	76
G279047		4.82	0.007		<0.2	2.79	21	<10	280	<0.5	<2	4.21	<0.5	35	57	61
G279048		4.79	<0.005		<0.2	2.32	9	<10	240	<0.5	<2	1.93	<0.5	31	62	76
G279049		4.84	<0.005		<0.2	2.46	13	<10	190	<0.5	2	2.80	<0.5	33	175	79
G279050		3.44	<0.005		<0.2	2.66	11	<10	40	<0.5	<2	2.71	<0.5	37	175	76
G279051		0.64	<0.005		1.4	0.03	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	1
G279052		3.59	<0.005		<0.2	3.48	4	<10	70	<0.5	<2	3.22	<0.5	42	153	74
G279053		1.63	<0.005		<0.2	1.45	12	<10	90	0.8	<2	4.89	<0.5	43	95	68
G279054		1.30	<0.005		<0.2	3.70	3	<10	60	<0.5	<2	5.26	<0.5	41	177	72
G279055		0.97	<0.005		<0.2	1.37	6	<10	100	0.7	<2	6.43	<0.5	38	27	39
G279056		2.57	<0.005		<0.2	4.65	6	<10	50	<0.5	<2	5.08	<0.5	43	43	77
G279057		4.32	0.005		<0.2	2.54	26	<10	50	0.7	2	2.86	<0.5	36	41	46
G279058		4.06	0.006		<0.2	2.55	32	<10	130	1.1	<2	3.70	<0.5	43	76	69
G279059		4.28	0.049		0.2	2.28	93	<10	80	0.6	<2	4.74	<0.5	42	23	66
G279060		4.67	<0.005		0.2	4.14	4	<10	140	<0.5	<2	5.02	<0.5	41	48	63
G279061		0.07	0.738		2.2	0.66	24	<10	60	<0.5	<2	1.79	0.6	7	31	6740
G279062		4.60	0.005		<0.2	4.46	<2	<10	150	<0.5	<2	5.14	<0.5	44	47	66
G279063		4.32	0.043		0.2	3.42	57	<10	180	0.5	<2	4.92	<0.5	41	33	50
G279064		3.91	0.062		0.2	3.88	41	<10	50	<0.5	<2	5.68	<0.5	38	43	53
G279065		2.19	<0.005		0.2	3.97	<2	<10	380	<0.5	<2	6.25	<0.5	38	40	49
G279066		1.90	0.018		<0.2	1.35	67	<10	130	<0.5	<2	7.06	<0.5	39	22	38
G279067		4.69	<0.005		0.2	3.91	3	<10	860	<0.5	<2	6.07	<0.5	37	42	52
G279068		3.66	<0.005		<0.2	3.88	19	<10	160	0.6	<2	4.77	<0.5	43	40	64
G279069		4.44	<0.005		<0.2	0.70	215	<10	200	<0.5	<2	1.03	<0.5	9	10	65
G279070		4.34	0.078		<0.2	0.37	83	<10	310	<0.5	<2	0.51	<0.5	7	6	46
G279071		0.56	<0.005		<0.2	0.02	<2	<10	10	<0.5	2	>25.0	<0.5	<1	<1	1
G279072		4.19	1.435		0.2	0.44	603	<10	100	<0.5	<2	3.12	<0.5	14	4	18
G279072		2.24	0.550		<0.2	0.39	302	<10	190	<0.5	<2	2.01	<0.5	7	5	17



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
Units	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
G279039	6.97	10	3	0.01	<10	0.70	1235	<1	0.01	44	1100	<2	1.76	4	46	
G279040	3.70	<10	4	0.08	10	0.03	71	13	0.02	15	130	13	0.20	26	1	
G279041	10.90	10	<1	0.10	<10	2.63	1050	<1	0.07	30	880	<2	0.20	3	29	
G279042	8.65	10	<1	0.02	<10	2.20	1050	<1	0.03	36	710	<2	0.16	4	19	
G279043	5.88	10	1	0.02	<10	2.20	1095	<1	0.04	32	590	<2	0.11	<2	10	
G279044	6.06	10	<1	0.01	<10	1.98	1110	<1	0.04	35	600	<2	0.23	<2	11	
G279045	8.67	<10	1	0.01	<10	1.84	1825	<1	0.02	47	660	<2	0.49	<2	35	
G279046	6.90	10	1	0.03	<10	2.55	1265	<1	0.03	40	620	<2	0.12	<2	16	
G279047	5.12	10	<1	0.01	<10	1.78	851	<1	0.05	37	680	<2	0.26	3	5	
G279048	4.92	10	<1	0.01	<10	2.44	978	<1	0.03	72	500	<2	0.09	<2	10	
G279049	5.16	10	<1	0.01	<10	2.46	876	<1	0.04	74	500	<2	0.12	<2	10	
G279050	0.07	<10	1	<0.01	<10	1.35	32	<1	0.01	3	40	2	0.06	<2	<1	
G279051	7.89	10	<1	0.01	<10	3.10	1040	<1	0.03	81	570	<2	0.11	<2	17	
G279052	8.11	<10	1	0.02	10	1.49	1595	<1	0.02	78	620	<2	0.47	<2	34	
G279053	7.59	10	1	<0.01	<10	3.35	1385	<1	0.02	80	540	<2	0.09	2	24	
G279054	9.20	<10	1	0.01	10	1.45	2770	<1	0.02	33	750	<2	0.22	<2	31	
G279055	9.70	20	1	<0.01	10	3.62	1405	<1	0.02	34	750	<2	0.01	<2	33	
G279056	8.48	10	1	0.04	<10	1.68	1355	<1	0.01	32	780	<2	0.09	<2	33	
G279057	7.65	10	<1	0.05	<10	1.88	1235	<1	0.01	54	690	<2	0.33	<2	35	
G279058	8.87	10	<1	0.11	<10	2.52	1825	<1	0.02	34	720	<2	0.23	3	32	
G279059	9.29	20	1	0.01	<10	3.43	1495	<1	0.04	33	710	<2	0.01	2	35	
G279060	6.40	<10	2	0.26	<10	0.83	878	7	0.05	14	610	21	2.72	24	3	
G279061	9.70	20	1	0.01	<10	3.66	1590	<1	0.03	39	720	<2	0.09	<2	34	
G279062	9.11	10	<1	0.08	<10	3.09	1925	<1	0.02	37	740	<2	0.18	<2	33	
G279063	9.39	10	<1	0.03	<10	3.25	1800	<1	0.02	32	740	<2	0.22	<2	36	
G279064	9.12	20	<1	0.02	10	3.29	1795	<1	0.04	33	790	<2	<0.01	3	32	
G279065	6.76	<10	1	0.06	10	2.29	2910	<1	0.02	34	770	<2	0.26	<2	30	
G279066	9.15	20	<1	0.05	10	3.43	1805	<1	0.06	30	730	<2	<0.01	<2	33	
G279067	8.84	10	1	0.05	<10	3.33	1605	<1	0.03	37	740	<2	0.11	<2	30	
G279068	1.89	<10	<1	0.13	10	0.63	470	<1	<0.01	24	240	6	0.18	<2	4	
G279069	1.73	<10	<1	0.22	10	0.52	702	<1	<0.01	27	140	2	0.49	<2	2	
G279070	0.03	<10	<1	<0.01	<10	1.72	23	<1	<0.01	1	30	<2	0.05	<2	<1	
G279071	3.79	<10	<1	0.26	<10	1.47	1315	<1	<0.01	49	240	7	3.08	2	5	
G279072	2.47	<10	<1	0.21	<10	0.89	792	<1	<0.01	26	120	2	1.80	2	3	

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G279039		35	<20	<0.01	<10	<10	392	<10	138
G279040		71	<20	0.01	10	<10	28	10	21
G279041		111	<20	0.01	<10	<10	291	<10	119
G279042		60	<20	0.37	<10	<10	243	<10	93
G279043		35	<20	0.63	<10	<10	192	<10	70
G279044		45	<20	0.60	<10	<10	188	<10	73
G279045		103	<20	<0.01	<10	<10	217	<10	96
G279046		90	<20	0.50	<10	<10	192	<10	90
G279047		38	<20	0.62	<10	<10	147	<10	61
G279048		62	<20	0.38	<10	<10	146	<10	55
G279049		57	<20	0.44	<10	<10	146	<10	58
G279050		5440	<20	<0.01	<10	<10	1	<10	<2
G279051		77	<20	0.41	<10	<10	204	<10	77
G279052		151	<20	<0.01	<10	<10	198	<10	97
G279053		104	<20	0.30	<10	<10	244	<10	80
G279054		149	<20	<0.01	<10	<10	213	<10	128
G279055		164	<20	0.24	<10	<10	327	<10	111
G279056		61	<20	<0.01	<10	<10	252	<10	104
G279057		88	<20	<0.01	<10	<10	241	<10	112
G279058		128	<20	<0.01	<10	<10	166	<10	105
G279059		203	<20	0.37	<10	<10	323	<10	108
G279060		68	<20	0.04	<10	<10	41	<10	103
G279061		305	<20	0.34	<10	<10	346	<10	109
G279062		221	<20	0.02	<10	<10	254	<10	102
G279063		331	<20	0.04	<10	<10	304	<10	107
G279064		345	<20	0.10	<10	<10	362	<10	116
G279065		194	<20	<0.01	<10	<10	200	<10	110
G279066		261	<20	0.26	<10	<10	325	<10	107
G279067		220	<20	0.06	<10	<10	269	<10	103
G279068		24	<20	<0.01	<10	<10	30	<10	45
G279069		19	<20	<0.01	<10	<10	10	<10	24
G279070		4770	<20	<0.01	<10	<10	<1	<10	9
G279071		150	<20	<0.01	<10	<10	16	<10	10
G279072		101	<20	<0.01	<10	<10	12	<10	10



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Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.



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To: EQUITY EXPLORATION CONSULTANTS LTD.  
 SUITE 200, 900 WEST HASTINGS STREET  
 VANCOUVER BC V6C 1E5

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 Account: EIACMV

**CERTIFICATE TR12190337**

Project: CMV12-01  
 P.O. No.: CMV12-01\_41  
 This report is for 54 Drill Core samples submitted to our lab in Terrace, BC, Canada on 21-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12190337**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
G279073		4.84	<0.005	<0.2	2.52	50	<10	10	<0.5	<2	5.68	<0.5	36	167	62	6.67
G279074		1.33	0.704	<0.2	0.36	1800	<10	60	<0.5	<2	6.23	<0.5	33	7	32	7.16
G279075		1.20	0.817	<0.2	0.29	1770	<10	60	<0.5	2	6.01	<0.5	31	6	27	6.78
G279076		4.07	0.005	<0.2	3.27	29	<10	30	<0.5	<2	5.46	<0.5	40	36	57	9.54
G279077		4.25	0.079	<0.2	2.48	236	<10	20	<0.5	<2	5.56	<0.5	38	17	53	9.34
G279078		2.16	<0.005	<0.2	2.62	7	<10	20	<0.5	<2	5.47	<0.5	44	22	54	8.87
G279079		3.96	3.94	0.6	0.46	8730	<10	70	<0.5	<2	6.52	<0.5	36	2	29	8.19
G279080		0.08	2.08	0.3	2.18	11	<10	80	<0.5	<2	0.61	<0.5	9	28	603	4.15
G279081		4.36	0.040	<0.2	1.03	239	<10	40	<0.5	<2	5.50	<0.5	39	4	54	9.18
G279082		3.69	<0.005	<0.2	0.50	90	<10	20	<0.5	<2	5.87	<0.5	39	4	57	8.76
G279083		3.39	<0.005	<0.2	0.49	68	<10	20	<0.5	<2	4.98	<0.5	39	3	52	8.90
G279084		2.98	1.530	8.9	0.49	4900	<10	50	<0.5	<2	5.38	1.7	35	4	294	7.83
G279085		4.79	<0.005	<0.2	1.60	72	<10	20	<0.5	<2	4.67	1.3	44	11	74	10.30
G279086		2.63	0.416	<0.2	0.56	104	<10	40	<0.5	<2	4.79	1.1	33	4	44	8.46
G279087		2.24	0.845	0.3	0.51	737	<10	40	<0.5	<2	5.16	1.6	49	5	60	10.25
G279088		3.15	<0.005	<0.2	2.54	24	<10	20	<0.5	<2	6.02	1.4	43	16	63	9.92
G279089		3.50	<0.005	<0.2	2.92	7	<10	10	<0.5	<2	4.95	1.1	41	69	72	8.31
G279090		0.61	<0.005	<0.2	0.03	3	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	<1	0.06
G279091		4.27	<0.005	<0.2	2.45	29	<10	10	<0.5	<2	5.79	1.2	39	45	50	8.22
G279092		4.26	0.372	0.2	1.75	1240	<10	20	<0.5	<2	6.51	1.3	35	24	43	8.50
G279093		4.49	<0.005	<0.2	2.16	22	<10	50	<0.5	<2	6.01	1.4	39	32	56	9.17
G279094		5.35	<0.005	<0.2	1.02	18	<10	50	<0.5	<2	5.56	1.3	37	16	60	9.09
G279095		3.70	0.051	<0.2	0.69	125	<10	30	<0.5	<2	6.19	1.2	37	14	56	7.94
G279096		1.71	0.146	0.2	0.51	661	<10	60	<0.5	<2	8.3	1.3	35	8	28	8.74
G279097		2.55	1.780	0.3	0.43	7660	<10	40	<0.5	<2	8.1	1.4	37	7	27	8.73
G279098		3.60	0.088	<0.2	0.28	126	<10	30	<0.5	<2	6.66	1.2	36	12	62	7.69
G279099		2.97	0.868	0.4	0.84	793	<10	40	0.7	<2	5.96	1.2	33	19	47	7.78
G279100		2.30	0.009	<0.2	1.28	40	<10	80	1.0	<2	3.72	1.2	34	49	63	8.67
G279101		0.10	3.34	3.7	1.40	261	<10	330	<0.5	<2	1.26	1.8	9	52	74	3.20
G279102		3.02	<0.005	<0.2	3.29	57	<10	20	0.6	<2	6.51	1.3	41	39	65	9.10
G279103		4.15	0.711	0.3	0.59	866	<10	40	<0.5	<2	5.91	1.3	38	10	66	8.30
G279104		2.83	2.44	0.3	0.46	1800	<10	60	<0.5	<2	4.97	1.0	30	7	54	6.97
G279105		1.79	1.355	0.4	0.42	717	<10	60	<0.5	<2	6.28	1.4	36	6	60	8.87
G279106		4.20	<0.005	<0.2	0.93	47	<10	30	<0.5	<2	6.10	1.1	40	17	55	7.72
G279107		4.35	<0.005	<0.2	2.89	52	<10	40	<0.5	<2	5.98	1.3	42	29	81	9.14
G279108		4.31	0.082	0.4	2.05	1355	<10	20	<0.5	<2	6.65	1.4	37	21	54	8.97
G279109		2.78	<0.005	<0.2	2.89	74	<10	20	0.5	<2	4.89	1.1	44	31	75	9.29
G279110		0.51	<0.005	<0.2	0.03	5	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	<1	0.05
G279111		2.15	0.937	0.8	0.62	2250	<10	80	<0.5	<2	4.66	0.9	33	9	64	7.45
G279112		3.13	1.250	0.8	1.03	1460	<10	60	<0.5	<2	7.6	1.2	37	12	45	8.40





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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12190337**

Sample Description	Method Analyte Units LOR		ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
G279073	10	<1	0.04	<10	3.82	1225	1	0.04	66	420	<2	0.06	3	28	53
G279074	<10	<1	0.14	<10	2.46	1400	1	0.01	27	520	<2	1.50	6	23	141
G279075	<10	<1	0.10	<10	2.46	1290	1	0.01	26	470	<2	1.45	7	22	144
G279076	10	<1	0.07	<10	2.95	1330	<1	0.02	33	780	<2	0.05	<2	30	85
G279077	10	<1	0.06	<10	2.58	1510	1	0.03	29	870	<2	0.18	2	30	98
G279078	10	<1	0.06	<10	2.73	1350	1	0.03	41	670	<2	0.03	<2	28	116
G279079	<10	<1	0.20	<10	2.46	1445	1	0.01	32	560	<2	3.55	10	22	243
G279080	10	1	0.14	10	0.87	736	9	0.08	19	630	11	0.09	<2	5	32
G279081	<10	<1	0.14	<10	2.69	1405	1	0.04	30	760	<2	0.10	3	27	105
G279082	<10	<1	0.07	<10	2.48	1360	<1	0.06	34	700	<2	0.02	4	26	75
G279083	<10	<1	0.06	<10	2.51	1345	1	0.03	29	820	<2	0.01	2	28	87
G279084	<10	<1	0.14	<10	2.29	1210	<1	0.01	45	700	5	2.60	93	23	199
G279085	10	<1	0.07	<10	2.83	1425	<1	0.04	40	880	2	0.02	<2	32	103
G279086	<10	1	0.07	<10	2.31	1360	<1	0.05	27	1150	<2	0.17	4	26	108
G279087	<10	<1	0.11	<10	2.68	1500	<1	0.03	41	730	<2	2.00	14	30	147
G279088	10	<1	0.04	<10	2.87	1570	<1	0.03	37	910	<2	0.02	<2	32	118
G279089	10	<1	0.02	<10	3.52	1395	<1	0.03	41	520	<2	0.09	<2	32	76
G279090	<10	<1	<0.01	<10	1.80	31	<1	0.01	<1	30	<2	0.06	<2	<1	5350
G279091	10	<1	0.03	<10	3.13	1445	<1	0.02	36	620	2	0.10	2	29	69
G279092	10	<1	0.10	<10	2.79	1395	<1	0.02	32	710	<2	0.26	3	25	85
G279093	10	<1	0.03	<10	3.11	1555	<1	0.05	37	820	<2	0.18	<2	32	60
G279094	<10	<1	0.08	<10	3.07	1510	<1	0.10	35	720	<2	0.19	<2	31	56
G279095	<10	<1	0.12	<10	3.19	1370	<1	0.06	41	620	<2	0.21	4	28	79
G279096	<10	1	0.21	<10	3.20	1545	<1	0.03	34	740	<2	0.46	4	25	143
G279097	<10	<1	0.14	<10	3.06	1435	<1	0.02	35	600	<2	2.67	8	25	204
G279098	<10	<1	0.12	<10	3.14	1275	<1	0.02	36	610	<2	0.44	<2	24	116
G279099	<10	<1	0.10	<10	2.19	1315	<1	0.02	33	630	2	2.17	7	24	114
G279100	<10	1	0.01	<10	1.87	1470	<1	0.01	36	730	8	0.24	<2	31	37
G279101	<10	5	0.14	<10	0.78	431	11	0.06	37	740	284	0.61	26	4	34
G279102	10	<1	0.02	<10	2.74	1525	<1	0.02	33	790	<2	0.26	<2	33	92
G279103	<10	<1	0.14	<10	2.89	1440	<1	0.03	32	650	<2	1.27	4	26	127
G279104	<10	<1	0.19	<10	2.26	1275	<1	0.03	24	530	<2	2.37	4	20	174
G279105	<10	<1	0.21	<10	3.07	1525	<1	0.03	27	730	<2	3.10	5	25	223
G279106	<10	1	0.10	<10	2.61	1550	<1	0.03	31	820	<2	0.18	3	27	92
G279107	10	<1	0.06	<10	2.97	1620	<1	0.02	32	850	<2	0.26	<2	30	96
G279108	10	<1	0.09	<10	3.06	1565	<1	0.04	31	770	<2	0.32	5	29	101
G279109	10	1	0.04	<10	2.72	1560	<1	0.02	32	910	<2	0.35	<2	35	80
G279110	<10	<1	<0.01	<10	1.70	27	<1	0.01	<1	40	<2	0.03	<2	<1	4630
G279111	<10	<1	0.22	<10	2.26	1200	<1	0.02	28	560	<2	1.85	4	19	130
G279112	<10	<1	0.20	<10	2.94	1730	<1	0.01	27	740	<2	2.38	4	27	203



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12190337**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G279073		<20	0.04	<10	<10	158	<10	67
G279074		<20	<0.01	<10	<10	35	<10	66
G279075		<20	<0.01	<10	<10	28	<10	58
G279076		<20	<0.01	<10	<10	199	<10	112
G279077		<20	0.01	<10	<10	200	<10	112
G279078		<20	0.01	<10	<10	180	<10	112
G279079		<20	<0.01	<10	<10	28	<10	49
G279080		<20	0.13	<10	<10	59	<10	81
G279081		<20	<0.01	<10	<10	41	<10	109
G279082		<20	<0.01	<10	<10	37	<10	99
G279083		<20	<0.01	<10	<10	27	<10	101
G279084		<20	<0.01	<10	<10	29	<10	136
G279085		<20	<0.01	<10	<10	113	<10	136
G279086		<20	<0.01	<10	<10	36	<10	97
G279087		<20	<0.01	<10	<10	36	<10	86
G279088		<20	0.01	<10	<10	233	<10	130
G279089		<20	0.01	<10	<10	244	<10	96
G279090		<20	<0.01	<10	10	1	<10	<2
G279091		<20	0.01	<10	<10	204	<10	106
G279092		<20	<0.01	<10	<10	123	<10	90
G279093		<20	<0.01	<10	<10	156	<10	122
G279094		<20	<0.01	<10	<10	71	<10	112
G279095		<20	<0.01	<10	<10	40	<10	88
G279096		<20	<0.01	<10	<10	45	<10	71
G279097		<20	<0.01	<10	<10	38	<10	56
G279098		<20	<0.01	<10	<10	30	<10	83
G279099		<20	<0.01	<10	<10	111	<10	88
G279100		<20	<0.01	<10	<10	248	<10	97
G279101		<20	0.09	<10	<10	57	<10	268
G279102		<20	0.01	<10	<10	285	<10	106
G279103		<20	<0.01	<10	<10	51	<10	101
G279104		<20	<0.01	<10	<10	35	<10	56
G279105		<20	<0.01	<10	<10	36	<10	68
G279106		<20	<0.01	<10	<10	99	<10	90
G279107		<20	<0.01	<10	<10	182	<10	95
G279108		<20	0.01	<10	<10	136	<10	84
G279109		<20	0.01	<10	<10	233	<10	92
G279110		<20	<0.01	<10	10	1	<10	<2
G279111		<20	<0.01	<10	<10	48	<10	64
G279112		<20	<0.01	<10	<10	80	<10	52



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**CERTIFICATE OF ANALYSIS TR12190337**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G279113		2.75	<0.005	<0.2	4.21	12	<10	40	<0.5	<2	4.40	1.1	41	42	60	9.87
G279114		3.35	<0.005	<0.2	3.82	23	<10	10	<0.5	<2	5.66	1.3	42	40	72	9.50
G279115		4.14	0.007	<0.2	2.11	71	<10	20	<0.5	<2	7.5	1.2	37	51	61	8.37
G279116		4.05	<0.005	<0.2	2.57	64	<10	20	<0.5	<2	5.79	1.2	38	33	66	9.08
G279117		4.13	0.153	<0.2	2.02	840	<10	20	<0.5	<2	6.19	1.2	38	23	64	8.48
G279118		5.03	<0.005	<0.2	2.86	51	<10	10	<0.5	<2	5.60	1.2	41	46	63	8.80
G279119		4.20	<0.005	<0.2	3.55	14	<10	10	<0.5	<2	5.63	1.3	38	50	47	8.98
G279120		0.08	3.56	3.7	1.45	257	<10	370	<0.5	2	1.25	1.4	9	51	75	3.14
G279121		4.87	<0.005	<0.2	3.59	19	<10	10	<0.5	4	5.67	<0.5	38	39	67	8.70
G279122		4.37	<0.005	<0.2	2.50	52	<10	30	<0.5	<2	5.82	<0.5	36	35	64	7.76
G279123		3.85	0.500	<0.2	2.02	141	<10	30	0.6	<2	5.85	<0.5	40	25	58	7.91
G279124		2.76	0.043	<0.2	2.01	53	<10	70	0.9	2	4.95	<0.5	35	26	78	7.96
G279125			0.031	<0.2	2.03	52	<10	80	0.9	<2	5.25	<0.5	36	26	71	8.13
G279126		4.06	<0.005	<0.2	2.93	7	<10	60	<0.5	3	2.72	<0.5	39	48	112	8.09



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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12190337**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
G279113		20	<1	0.02	<10	3.42	1490	<1	0.03	36	920	<2	0.15	5	27	88
G279114		20	1	0.02	<10	3.15	1500	<1	0.04	34	890	<2	0.28	3	34	119
G279115		10	<1	0.04	<10	3.24	1575	<1	0.02	38	690	<2	0.17	<2	29	122
G279116		10	<1	0.03	<10	2.98	1535	<1	0.03	30	840	<2	0.16	<2	30	63
G279117		10	<1	0.06	<10	2.82	1455	<1	0.03	30	780	<2	0.26	<2	27	96
G279118		10	<1	0.04	<10	3.20	1505	<1	0.06	35	680	<2	0.13	<2	31	63
G279119		10	1	0.01	<10	3.24	1510	<1	0.02	34	790	<2	0.17	2	31	92
G279120		<10	4	0.14	<10	0.77	433	12	0.07	38	740	298	0.62	26	4	36
G279121		20	<1	0.02	<10	3.16	1470	<1	0.04	30	840	2	0.28	6	32	91
G279122		10	1	0.07	<10	2.80	1360	<1	0.04	33	670	2	0.19	5	28	96
G279123		10	<1	0.09	<10	2.41	1440	<1	0.03	37	620	3	0.38	4	30	126
G279124		10	<1	0.11	<10	2.33	1840	<1	0.02	28	620	<2	0.22	4	28	199
G279125		10	<1	0.11	<10	2.40	1915	<1	0.02	28	610	2	0.20	5	27	221
G279126		10	<1	0.08	<10	3.02	1360	<1	0.05	30	600	<2	0.04	7	15	83



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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12190337**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G279113		<20	0.17	<10	<10	315	<10	124
G279114		<20	0.34	<10	<10	332	<10	118
G279115		<20	<0.01	<10	<10	157	<10	77
G279116		<20	0.01	<10	<10	212	<10	113
G279117		<20	0.01	<10	<10	143	<10	95
G279118		<20	0.02	<10	<10	224	<10	113
G279119		<20	0.01	<10	<10	261	<10	112
G279120		<20	0.09	10	<10	56	<10	264
G279121		<20	0.01	<10	<10	252	<10	107
G279122		<20	<0.01	<10	<10	174	<10	127
G279123		<20	<0.01	<10	<10	126	<10	71
G279124		<20	<0.01	<10	<10	190	<10	96
G279125		<20	<0.01	<10	<10	186	<10	92
G279126		<20	0.62	<10	<10	242	<10	98



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**CERTIFICATE TR12195441**

Project: CMV12-01  
P.O. No.: CMV12-01\_42  
This report is for 54 Drill Core samples submitted to our lab in Terrace, BC, Canada on 22-AUG-2012.

The following have access to data associated with this certificate:

DARCY BAKER  
DAVID RHYS

N. BONDOC  
RON VOORDOUW

MARGOT MCKEOWN

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12195441**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
G279127		3.49	1.455		0.3	0.32	5420	<10	60	<0.5	<2	5.94	<0.5	25	7	19
G279128		1.82	2.15		0.6	0.34	5690	10	60	<0.5	<2	8.0	<0.5	27	7	24
G279129		2.93	1.295		0.6	0.34	3480	<10	60	<0.5	<2	4.78	<0.5	23	11	37
G279130		0.49	0.021		<0.2	0.03	63	<10	10	<0.5	2	>25.0	<0.5	<1	<1	1
G279131		3.61	<0.005		<0.2	1.45	55	<10	20	<0.5	<2	5.50	<0.5	34	21	65
G279132		3.12	0.133		0.3	1.22	175	<10	40	<0.5	<2	5.88	<0.5	33	17	56
G279133		3.80	0.444		0.2	0.52	130	<10	40	<0.5	2	5.33	<0.5	29	30	52
G279134		3.98	<0.005		<0.2	1.03	53	<10	20	<0.5	<2	6.10	<0.5	35	53	70
G279135		5.00	<0.005		<0.2	1.73	32	<10	20	<0.5	<2	6.00	<0.5	33	24	59
G279136		2.14	<0.005		<0.2	2.32	33	<10	20	<0.5	<2	6.07	0.5	36	25	61
G279137		3.14	4.70		0.8	0.48	1735	<10	90	<0.5	<2	7.3	0.5	34	4	44
G279138		1.04	0.164		1.5	0.08	1490	<10	10	<0.5	<2	2.33	<0.5	2	14	47
G279139		2.91	>10.0	38.3	6.7	0.36	>10000	<10	60	<0.5	<2	3.26	<0.5	22	10	17
G279140		0.08	9.76	10.45	0.5	1.40	3670	<10	60	<0.5	<2	0.76	<0.5	13	64	63
G279141		4.59	6.50	5.67	4.6	0.40	3370	<10	70	<0.5	2	6.47	1.6	30	4	140
G279142		4.73	1.805		0.9	1.45	1640	<10	80	<0.5	<2	5.90	0.6	32	25	173
G279143		1.93	0.143		<0.2	1.57	98	<10	30	<0.5	<2	6.75	<0.5	30	45	40
G279144		3.53	0.048		<0.2	0.95	204	<10	30	<0.5	<2	6.00	<0.5	30	19	61
G279145		4.41	<0.005		<0.2	3.24	7	<10	20	<0.5	<2	5.84	0.5	38	52	71
G279146		5.16	<0.005		<0.2	3.48	2	<10	20	<0.5	<2	4.90	<0.5	35	49	42
G279147		4.76	<0.005		<0.2	2.76	4	<10	10	<0.5	<2	4.96	<0.5	32	47	41
G279148		2.84	<0.005		<0.2	2.87	4	<10	20	<0.5	<2	5.14	<0.5	33	43	12
G279149		4.83	0.029		<0.2	0.58	53	<10	40	<0.5	<2	4.61	<0.5	35	11	47
G279150		0.50	<0.005		<0.2	0.06	4	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G279151		1.55	0.176		<0.2	0.13	18	<10	10	<0.5	<2	1.43	<0.5	5	14	5
G279152		4.11	0.053		<0.2	0.92	20	<10	30	<0.5	<2	5.08	<0.5	33	13	22
G279153		6.59	<0.005		<0.2	2.40	2	<10	10	<0.5	<2	5.30	<0.5	36	43	71
G279154		3.70	<0.005		<0.2	2.14	3	<10	20	<0.5	<2	5.31	<0.5	37	33	122
G279155		4.83	0.143		<0.2	0.66	50	<10	30	<0.5	<2	5.16	<0.5	30	6	29
G279156		5.12	<0.005		<0.2	1.97	3	<10	30	<0.5	<2	5.26	<0.5	35	15	75
G279157		4.54	<0.005		<0.2	2.15	<2	<10	20	<0.5	<2	5.23	0.5	39	37	77
G279158		3.07	<0.005		<0.2	2.14	<2	<10	20	<0.5	<2	5.28	<0.5	37	35	84
G279159		4.67	0.018		<0.2	0.86	38	10	30	<0.5	<2	5.50	0.5	40	11	107
G279160		0.08	0.270		0.3	0.37	440	<10	720	<0.5	<2	1.04	<0.5	2	40	39
G279161		4.05	0.350		<0.2	0.57	172	<10	30	<0.5	<2	5.01	<0.5	35	7	75
G279162		3.70	<0.005		<0.2	1.45	<2	<10	20	<0.5	<2	5.55	<0.5	36	6	30
G279163		3.31	0.008		<0.2	2.47	<2	<10	20	<0.5	<2	5.37	<0.5	46	36	151
G279164		3.17	<0.005		<0.2	3.66	<2	<10	10	<0.5	<2	6.57	<0.5	39	43	77
G279165		3.60	<0.005		<0.2	4.13	3	<10	10	<0.5	<2	5.68	<0.5	45	44	44
G279166		2.43	2.68		0.8	0.79	1990	<10	80	0.6	<2	6.63	<0.5	49	8	39



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**CERTIFICATE OF ANALYSIS TR12195441**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G279127		5.99	<10	<1	0.20	<10	2.15	1375	<1	0.02	27	970	<2	2.47	8	20
G279128		7.55	<10	<1	0.19	<10	2.91	1595	<1	0.02	28	500	<2	3.62	9	23
G279129		6.13	<10	<1	0.18	<10	1.97	1090	<1	0.02	28	1320	<2	3.19	9	16
G279130		0.14	<10	<1	0.01	<10	1.52	50	<1	0.01	<1	50	<2	0.10	2	<1
G279131		7.90	<10	<1	0.11	<10	3.02	1345	<1	0.04	35	560	<2	0.10	<2	26
G279132		7.79	<10	<1	0.16	<10	3.24	1275	<1	0.03	35	570	<2	0.62	7	27
G279133		5.90	<10	<1	0.17	<10	3.24	1060	<1	0.03	49	420	<2	0.46	5	22
G279134		6.09	<10	<1	0.09	<10	2.73	1370	<1	0.02	47	560	<2	0.16	6	29
G279135		8.19	10	<1	0.08	<10	2.65	1520	<1	0.02	28	770	<2	0.26	<2	27
G279136		8.69	10	<1	0.09	<10	2.94	1535	<1	0.03	28	790	<2	0.25	2	25
G279137		7.78	<10	<1	0.27	<10	2.70	1485	<1	0.02	24	640	<2	4.40	10	25
G279138		1.47	<10	<1	0.04	<10	0.40	300	<1	0.01	3	580	<2	0.43	9	3
G279139		6.77	<10	<1	0.16	<10	1.28	675	<1	0.02	21	210	2	5.54	15	12
G279140		3.36	10	<1	0.16	10	0.83	364	5	0.07	62	460	6	0.87	34	4
G279141		7.70	<10	<1	0.23	<10	2.65	1470	<1	0.02	25	650	2	5.20	41	21
G279142		8.19	10	<1	0.15	<10	2.59	1340	<1	0.02	30	640	<2	1.75	5	23
G279143		7.62	<10	<1	0.10	<10	2.93	1360	<1	0.03	36	570	<2	0.34	4	25
G279144		6.53	<10	<1	0.09	<10	2.70	1170	<1	0.05	31	480	<2	0.32	3	23
G279145		8.56	10	<1	0.04	<10	3.24	1705	<1	0.03	34	600	<2	0.07	2	30
G279146		8.94	20	<1	0.08	<10	3.44	1810	<1	0.04	27	650	<2	0.01	<2	29
G279147		8.83	10	<1	0.07	<10	3.30	1715	<1	0.06	28	650	<2	0.03	<2	31
G279148		9.29	10	<1	0.16	<10	3.22	1670	<1	0.04	28	670	<2	0.05	<2	27
G279149		9.24	<10	<1	0.34	<10	3.07	1555	<1	0.02	24	610	<2	0.16	3	20
G279150		0.15	<10	<1	0.01	<10	1.41	36	<1	0.02	<1	40	<2	0.10	<2	<1
G279151		2.21	<10	<1	0.10	<10	0.49	402	<1	0.01	5	140	<2	0.19	<2	3
G279152		8.56	<10	<1	0.33	<10	2.60	1475	<1	0.02	19	620	<2	0.40	2	19
G279153		8.45	10	<1	0.09	<10	2.84	1610	<1	0.05	30	630	<2	0.02	<2	30
G279154		7.77	10	<1	0.18	<10	2.56	1370	<1	0.04	32	500	<2	0.04	<2	23
G279155		7.69	<10	<1	0.36	<10	2.27	1390	<1	0.02	17	590	<2	0.13	2	14
G279156		8.16	10	<1	0.27	<10	2.54	1450	<1	0.03	24	600	<2	0.08	2	22
G279157		8.28	10	<1	0.15	<10	2.92	1555	<1	0.06	31	770	<2	0.04	<2	25
G279158		8.37	10	<1	0.16	<10	2.93	1410	<1	0.05	28	640	<2	0.03	4	22
G279159		8.00	<10	<1	0.33	<10	2.72	1365	<1	0.02	26	530	<2	0.09	11	16
G279160		3.74	<10	4	0.09	10	0.03	73	12	0.03	14	140	13	0.22	28	1
G279161		7.90	<10	<1	0.28	<10	2.55	1425	<1	0.02	20	570	<2	0.27	10	15
G279162		8.26	<10	<1	0.22	<10	2.72	1395	<1	0.03	22	660	<2	0.02	2	19
G279163		8.58	10	<1	0.17	<10	3.32	1540	<1	0.02	34	560	2	0.03	<2	21
G279164		8.56	20	<1	0.06	<10	2.89	1505	<1	0.04	36	760	<2	0.02	<2	34
G279165		9.18	20	<1	0.05	<10	3.33	1375	<1	0.03	37	800	<2	0.01	<2	35
G279166		10.10	<10	1	0.33	<10	3.06	1840	<1	0.01	40	700	6	8.73	3	26





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**CERTIFICATE OF ANALYSIS TR12195441**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G279127		229	<20	<0.01	<10	<10	19	<10	37
G279128		252	<20	<0.01	<10	<10	23	<10	39
G279129		184	<20	<0.01	<10	<10	21	<10	45
G279130		4420	<20	<0.01	<10	20	1	<10	<2
G279131		86	<20	<0.01	<10	<10	61	<10	90
G279132		148	<20	<0.01	<10	<10	47	<10	76
G279133		121	<20	<0.01	<10	<10	27	<10	53
G279134		88	<20	<0.01	<10	<10	98	<10	82
G279135		85	<20	<0.01	<10	<10	139	<10	105
G279136		96	<20	0.01	<10	<10	143	<10	97
G279137		267	<20	<0.01	<10	<10	33	<10	50
G279138		39	<20	<0.01	<10	<10	9	<10	19
G279139		123	<20	<0.01	<10	<10	28	<10	34
G279140		37	<20	0.09	<10	<10	47	40	48
G279141		260	<20	<0.01	<10	<10	30	<10	213
G279142		114	<20	<0.01	<10	<10	98	<10	124
G279143		95	<20	<0.01	<10	<10	143	<10	79
G279144		80	<20	<0.01	<10	<10	103	<10	65
G279145		100	<20	0.02	<10	<10	258	<10	97
G279146		143	<20	0.03	<10	<10	295	<10	97
G279147		127	<20	0.02	<10	<10	264	<10	101
G279148		121	<20	0.01	<10	<10	202	<10	135
G279149		129	<20	<0.01	<10	<10	34	<10	84
G279150		5320	<20	<0.01	<10	20	2	<10	<2
G279151		41	<20	<0.01	<10	<10	8	<10	15
G279152		129	<20	<0.01	<10	<10	46	<10	71
G279153		84	<20	0.02	<10	<10	186	<10	99
G279154		105	<20	0.01	<10	<10	136	<10	90
G279155		136	<20	<0.01	<10	<10	28	<10	66
G279156		139	<20	0.01	<10	<10	74	<10	81
G279157		110	<20	0.02	<10	<10	168	<10	99
G279158		96	<20	0.01	<10	<10	172	<10	98
G279159		124	<20	<0.01	<10	<10	43	<10	96
G279160		72	<20	0.01	10	<10	28	10	22
G279161		111	<20	<0.01	<10	<10	27	<10	82
G279162		109	<20	<0.01	<10	<10	33	<10	84
G279163		73	<20	0.01	<10	<10	149	<10	115
G279164		94	<20	0.20	<10	<10	296	<10	104
G279165		96	<20	0.08	<10	<10	289	<10	119
G279166		239	<20	<0.01	<10	<10	44	<10	64



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12195441**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G279167		3.47	2.46		0.2	0.55	1430	<10	80	<0.5	<2	9.0	<0.5	43	3	14
G279168		2.29	0.253		0.3	0.55	772	<10	50	<0.5	<2	6.57	<0.5	36	5	61
G279169		4.64	<0.005		<0.2	2.90	3	<10	10	<0.5	<2	5.37	<0.5	38	34	51
G279170		0.53	<0.005		<0.2	0.04	<2	<10	10	<0.5	4	>25.0	<0.5	<1	<1	<1
G279171		4.58	<0.005		<0.2	3.20	<2	<10	10	<0.5	<2	5.24	<0.5	37	37	83
G279172		2.63	<0.005		<0.2	2.89	<2	<10	10	<0.5	<2	6.07	<0.5	43	34	91
G279173		3.41	0.289		<0.2	1.60	10	<10	30	<0.5	<2	5.68	<0.5	34	15	116
G279174		2.09	0.139		<0.2	0.99	15	<10	20	<0.5	<2	5.65	<0.5	41	11	71
G279175		2.20	1.665		<0.2	0.87	15	<10	20	<0.5	<2	5.76	<0.5	41	10	94
G279176		4.58	<0.005		<0.2	0.83	43	<10	50	<0.5	<2	5.54	<0.5	36	11	44
G279177		1.53	2.47		0.4	1.16	6230	<10	70	<0.5	<2	6.50	<0.5	39	10	51
G279178		4.04	<0.005		<0.2	3.32	9	<10	10	<0.5	<2	6.23	<0.5	36	39	64
G279179		4.28	<0.005		<0.2	3.57	7	<10	10	<0.5	<2	6.84	<0.5	37	43	50
G279180		0.08	0.761		2.2	0.65	27	<10	90	<0.5	<2	1.90	0.7	7	31	7030



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**CERTIFICATE OF ANALYSIS TR12195441**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G279167		8.98	<10	<1	0.32	<10	3.59	2150	<1	0.01	36	1060	3	6.80	2	26
G279168		7.34	<10	<1	0.24	<10	2.17	1430	<1	0.01	29	720	<2	1.60	<2	20
G279169		8.41	10	<1	0.06	<10	3.05	1510	<1	0.05	35	780	<2	0.03	<2	33
G279170		0.08	<10	1	0.01	<10	1.47	36	<1	<0.01	1	30	<2	0.05	<2	<1
G279171		7.95	10	<1	0.02	<10	3.16	1560	<1	0.04	33	700	<2	0.01	<2	33
G279172		8.52	10	1	0.05	<10	3.24	1580	<1	0.09	36	730	<2	0.02	<2	33
G279173		7.34	<10	<1	0.18	<10	2.32	1370	<1	0.04	28	610	<2	0.21	2	20
G279174		8.49	<10	<1	0.12	<10	3.08	1605	<1	0.10	32	700	<2	0.08	2	29
G279175		8.62	<10	<1	0.11	<10	3.08	1600	<1	0.08	33	730	<2	0.10	3	29
G279176		8.17	<10	<1	0.11	<10	2.96	1465	<1	0.09	30	700	<2	0.04	<2	30
G279177		8.57	<10	<1	0.16	<10	2.81	1370	<1	0.03	32	540	<2	2.90	7	24
G279178		8.68	10	<1	0.01	<10	3.00	1415	<1	0.04	32	720	<2	0.02	<2	34
G279179		8.17	10	<1	<0.01	<10	3.01	1470	<1	0.04	35	740	<2	0.01	<2	33
G279180		6.50	<10	1	0.27	<10	0.89	923	7	0.04	15	620	22	2.68	25	3



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**CERTIFICATE OF ANALYSIS TR12195441**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G279167		389	<20	<0.01	<10	<10	35	<10	37
G279168		116	<20	<0.01	<10	<10	27	<10	81
G279169		60	<20	0.02	<10	<10	193	<10	117
G279170		4770	<20	<0.01	<10	<10	1	<10	<2
G279171		54	<20	0.04	<10	<10	231	<10	113
G279172		78	<20	0.01	<10	<10	197	<10	126
G279173		90	<20	<0.01	<10	<10	81	<10	89
G279174		90	<20	<0.01	<10	<10	58	<10	102
G279175		91	<20	<0.01	<10	<10	54	<10	102
G279176		87	<20	<0.01	<10	<10	71	<10	102
G279177		196	<20	<0.01	<10	<10	64	<10	64
G279178		104	<20	0.07	<10	<10	298	<10	106
G279179		85	<20	0.38	<10	<10	305	<10	104
G279180		63	<20	0.04	<10	<10	42	<10	102



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**CERTIFICATE TR12210450**

Project: CMV12-01  
 P.O. No.: CMV12-01\_42  
 This report is for 1 Other sample submitted to our lab in Terrace, BC, Canada on 9-SEP-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
BAG-01	Bulk Master for Storage
SCR-21	Screen to -100 to 106 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12210450**

Sample Description	Method Analyte Units LOR	Au-SCR24 Au Total ppm	Au-SCR24 Au (+) F ppm	Au-SCR24 Au (-) F ppm	Au-SCR24 Au (+) m mg	Au-SCR24 WT. + Fr g	Au-SCR24 WT. - Fr g	Au-AA26 Au ppm	Au-AA26D Au ppm
G279139		0.05	0.05	0.05	0.001	0.01	0.1	0.01	0.01
		36.0	782	14.20	12.157	15.54	532.7	14.35	14.05



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**CERTIFICATE TR12188072**

Project: CMV12-01  
 P.O. No.: CMV12-01\_43  
 This report is for 67 Drill Core samples submitted to our lab in Terrace, BC, Canada on 21-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12188072**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G279181		1.42	0.040		<0.2	2.41	244	<10	310	0.7	3	11.0	<0.5	32	53	73
G279182		3.98	0.028		<0.2	2.98	115	<10	80	<0.5	2	7.3	<0.5	36	67	75
G279183		4.47	0.010		<0.2	3.65	75	<10	50	<0.5	<2	7.6	<0.5	41	66	70
G279184		3.41	<0.005		<0.2	4.22	13	<10	10	<0.5	2	7.7	<0.5	40	106	70
G279185		3.92	<0.005		<0.2	3.76	16	<10	10	<0.5	<2	6.62	<0.5	41	98	68
G279186		3.59	0.161		<0.2	1.47	1025	<10	50	<0.5	<2	7.0	<0.5	38	20	70
G279187		1.85	0.024		<0.2	0.71	319	<10	30	<0.5	2	6.46	<0.5	37	8	57
G279188		2.93	0.755		0.4	0.67	9260	<10	70	<0.5	<2	6.53	<0.5	37	10	49
G279189		3.95	2.22		0.5	0.46	1590	<10	70	<0.5	<2	7.8	<0.5	36	7	57
G279190		0.58	<0.005		<0.2	0.02	106	<10	<10	<0.5	3	>25.0	<0.5	<1	<1	<1
G279191		1.68	1.330		0.4	0.66	2170	<10	60	<0.5	2	8.1	<0.5	40	6	55
G279192		2.44	0.005		<0.2	2.69	125	<10	30	<0.5	2	6.34	<0.5	41	25	59
G279193		4.10	<0.005		<0.2	2.97	49	<10	10	<0.5	<2	6.63	<0.5	42	38	79
G279194		4.47	0.019		<0.2	2.40	70	<10	30	<0.5	<2	7.3	<0.5	39	26	76
G279195		2.41	<0.005		<0.2	1.02	77	<10	10	<0.5	<2	5.93	<0.5	40	19	52
G279196		4.40	<0.005		<0.2	4.51	6	<10	10	<0.5	<2	6.60	<0.5	43	49	74
G279197		4.12	<0.005		<0.2	4.57	3	<10	230	<0.5	2	6.9	<0.5	41	48	62
G279198		2.94	<0.005		<0.2	3.04	9	<10	10	<0.5	<2	6.38	<0.5	40	41	65
G279199		3.52	0.673		2.5	0.43	5960	<10	60	<0.5	<2	7.1	<0.5	36	7	82
G279200		0.08	2.07		0.4	2.07	11	<10	70	<0.5	<2	0.60	<0.5	9	29	607
G279201		4.68	0.065		<0.2	1.28	126	<10	50	<0.5	<2	6.01	<0.5	39	8	55
G279202		4.49	0.222		0.2	0.62	2360	<10	30	<0.5	<2	5.84	<0.5	38	7	60
G279203		4.13	0.128		<0.2	1.11	1390	<10	30	<0.5	2	6.27	0.5	39	8	52
G279204		2.40	0.088		<0.2	1.06	139	<10	20	<0.5	2	6.36	<0.5	41	8	75
G279205		3.65	1.730		<0.2	0.51	1220	<10	80	0.6	2	8.3	<0.5	46	5	29
G279206		4.57	0.100		<0.2	0.65	227	<10	40	<0.5	2	7.1	<0.5	38	9	63
G279207		4.44	0.060		<0.2	0.56	80	<10	30	<0.5	2	6.52	<0.5	39	13	41
G279208		3.95	0.327		<0.2	0.64	204	<10	50	<0.5	<2	7.2	<0.5	41	14	59
G279209		2.78	<0.005		<0.2	3.13	13	<10	380	<0.5	<2	5.72	<0.5	36	58	67
G279210		0.73	<0.005		<0.2	0.03	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G279211		4.35	<0.005		<0.2	3.72	4	<10	450	<0.5	<2	4.55	<0.5	38	66	68
G279212		4.50	0.144		<0.2	3.87	36	<10	50	<0.5	<2	6.00	<0.5	38	49	62
G279213		4.37	0.187		0.2	1.40	3360	<10	40	<0.5	<2	5.87	<0.5	35	27	51
G279214		4.24	0.041		<0.2	0.47	194	<10	30	<0.5	<2	5.23	<0.5	35	8	56
G279215		2.81	1.620		0.6	0.30	4660	<10	60	<0.5	<2	6.03	<0.5	34	6	33
G279216		2.46	1.150		0.3	0.39	4290	<10	60	<0.5	<2	6.21	<0.5	35	4	51
G279217		0.65	0.215		<0.2	0.04	2410	<10	10	<0.5	<2	2.16	<0.5	6	6	<1
G279218		2.19	0.877		0.3	0.49	5850	<10	60	<0.5	<2	6.92	<0.5	37	8	49
G279219		4.89	<0.005		<0.2	3.75	86	<10	10	<0.5	<2	5.79	<0.5	41	46	70
G279220		0.07	3.49		3.6	1.37	238	<10	340	<0.5	<2	1.23	1.0	9	50	69





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**CERTIFICATE OF ANALYSIS TR12188072**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
Units	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
G279181	6.06	10	<1	0.38	<10	2.33	1460	<1	0.03	41	560	17	0.07	<2	24	
G279182	7.76	10	1	0.08	<10	2.83	1470	<1	0.02	41	560	3	0.13	<2	30	
G279183	8.52	10	<1	0.05	<10	3.09	1460	<1	0.01	45	630	3	0.15	3	32	
G279184	8.19	20	1	<0.01	<10	3.78	1410	<1	0.02	50	570	<2	0.16	<2	33	
G279185	8.22	20	<1	0.02	<10	3.77	1410	<1	0.02	50	590	<2	0.14	3	34	
G279186	8.30	10	<1	0.12	<10	3.01	1510	<1	0.03	33	660	3	0.45	<2	25	
G279187	8.30	<10	<1	0.13	<10	3.40	1495	<1	0.04	35	570	2	0.19	6	22	
G279188	7.37	<10	<1	0.19	<10	2.83	1330	<1	0.01	39	380	<2	1.94	8	19	
G279189	7.36	<10	<1	0.19	<10	3.05	1510	<1	0.01	35	470	2	1.75	3	21	
G279190	0.06	<10	1	<0.01	<10	1.93	30	<1	0.01	<1	30	<2	0.08	<2	<1	
G279191	7.96	<10	<1	0.18	<10	3.21	1500	<1	0.01	36	460	2	2.09	3	23	
G279192	9.24	10	<1	0.09	<10	3.67	1460	<1	0.02	36	660	2	0.13	2	28	
G279193	8.80	10	<1	0.03	<10	3.58	1565	<1	0.04	38	660	<2	0.27	<2	33	
G279194	8.76	10	<1	0.07	<10	3.56	1605	<1	0.05	34	670	<2	0.22	<2	33	
G279195	7.70	<10	<1	0.05	<10	3.15	1310	<1	0.08	37	650	<2	0.04	<2	31	
G279196	9.10	20	<1	<0.01	<10	3.66	1530	<1	0.02	38	670	3	0.22	<2	34	
G279197	9.00	20	<1	<0.01	<10	3.68	1525	<1	0.02	37	670	<2	0.14	2	34	
G279198	8.69	10	<1	0.04	<10	3.53	1530	<1	0.03	35	650	<2	0.18	<2	32	
G279199	7.66	<10	<1	0.18	<10	3.05	1385	<1	0.01	34	460	3	2.04	21	22	
G279200	4.17	10	<1	0.13	10	0.91	762	8	0.07	20	660	11	0.09	2	5	
G279201	8.16	<10	<1	0.14	<10	3.11	1350	<1	0.02	36	550	4	0.27	6	22	
G279202	7.87	<10	<1	0.08	<10	3.07	1380	<1	0.06	34	560	<2	0.68	14	25	
G279203	8.47	<10	<1	0.09	<10	3.22	1530	<1	0.06	33	600	2	0.22	3	27	
G279204	8.36	<10	<1	0.09	<10	3.26	1585	<1	0.06	37	680	2	0.23	<2	30	
G279205	9.30	<10	<1	0.24	<10	3.49	1905	<1	0.02	41	550	5	6.01	4	28	
G279206	7.89	<10	<1	0.15	<10	3.25	1425	<1	0.03	38	570	<2	0.30	<2	24	
G279207	8.35	<10	<1	0.11	<10	3.42	1560	<1	0.08	36	530	<2	0.24	<2	31	
G279208	7.89	<10	<1	0.15	<10	3.42	1560	<1	0.03	36	510	2	0.64	2	27	
G279209	7.13	10	1	0.03	<10	3.17	1295	<1	0.01	35	520	2	0.11	3	26	
G279210	0.05	<10	<1	<0.01	<10	1.72	27	<1	<0.01	<1	40	<2	0.06	<2	<1	
G279211	7.11	10	<1	0.01	<10	3.41	1325	<1	0.01	38	560	<2	0.10	3	24	
G279212	7.75	20	<1	<0.01	<10	3.34	1255	<1	0.02	34	550	<2	0.16	<2	32	
G279213	7.08	10	<1	0.11	<10	3.05	1315	<1	0.02	32	500	<2	0.87	7	25	
G279214	7.51	<10	<1	0.14	<10	3.06	1315	<1	0.03	28	550	2	0.24	7	23	
G279215	7.15	<10	<1	0.17	<10	2.85	1315	<1	0.01	27	330	2	3.03	4	22	
G279216	7.71	<10	<1	0.17	<10	3.07	1385	<1	0.01	29	420	3	1.95	3	23	
G279217	2.14	<10	<1	0.02	<10	0.69	397	<1	<0.01	5	1940	<2	0.97	<2	7	
G279218	7.74	<10	<1	0.18	<10	3.15	1460	<1	0.02	30	440	<2	1.80	6	24	
G279219	8.42	20	<1	0.01	<10	3.54	1425	<1	0.02	35	610	2	0.16	2	32	
G279220	3.13	<10	4	0.14	10	0.77	418	11	0.06	34	710	281	0.60	24	4	



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12188072**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm 1	ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
G279181		424	<20	0.06	<10	<10	183	<10	87
G279182		244	<20	0.03	<10	<10	232	<10	122
G279183		303	<20	0.01	<10	<10	256	<10	88
G279184		160	<20	0.03	<10	<10	284	<10	91
G279185		73	<20	0.02	<10	<10	269	<10	92
G279186		100	<20	<0.01	<10	<10	103	<10	70
G279187		91	<20	<0.01	<10	<10	33	<10	76
G279188		177	<20	0.01	<10	<10	31	<10	57
G279189		209	<20	<0.01	<10	<10	28	<10	68
G279190		5050	<20	<0.01	<10	<10	1	<10	<2
G279191		211	<20	<0.01	<10	<10	28	<10	61
G279192		76	<20	<0.01	<10	<10	136	<10	97
G279193		58	<20	0.01	<10	<10	221	<10	108
G279194		78	<20	<0.01	<10	<10	144	<10	100
G279195		61	<20	<0.01	<10	<10	72	<10	66
G279196		102	<20	0.05	<10	<10	325	<10	107
G279197		78	<20	0.05	<10	<10	327	<10	102
G279198		64	<20	0.02	<10	<10	231	<10	99
G279199		208	<20	<0.01	<10	<10	28	<10	70
G279200		30	<20	0.13	<10	<10	59	<10	83
G279201		131	<20	<0.01	<10	<10	31	<10	99
G279202		83	<20	<0.01	<10	<10	35	<10	79
G279203		88	<20	<0.01	<10	<10	43	<10	93
G279204		61	<20	<0.01	<10	<10	42	<10	94
G279205		264	<20	<0.01	<10	<10	35	<10	43
G279206		149	<20	<0.01	<10	<10	32	<10	79
G279207		81	<20	<0.01	<10	<10	46	<10	77
G279208		146	<20	<0.01	<10	<10	48	<10	77
G279209		127	<20	0.08	<10	<10	206	<10	83
G279210		5000	<20	<0.01	<10	<10	<1	<10	<2
G279211		89	<20	0.32	<10	<10	230	<10	87
G279212		65	<20	0.06	<10	<10	277	<10	89
G279213		100	<20	<0.01	<10	<10	121	<10	74
G279214		71	<20	<0.01	<10	10	34	<10	88
G279215		230	<20	<0.01	<10	<10	26	<10	45
G279216		187	<20	<0.01	<10	<10	29	<10	64
G279217		119	<20	<0.01	<10	<10	5	<10	8
G279218		195	<20	<0.01	<10	<10	41	<10	67
G279219		62	<20	0.06	<10	<10	285	<10	96
G279220		35	<20	0.09	<10	<10	56	<10	254



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**CERTIFICATE OF ANALYSIS TR12188072**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G279221		3.82	0.015		<0.2	4.21	66	<10	50	<0.5	<2	6.9	<0.5	40	44	83
G279222		5.27	<0.005		<0.2	4.22	55	<10	10	<0.5	<2	6.17	<0.5	39	44	58
G279223		3.37	1.505		0.5	0.38	5680	<10	90	<0.5	<2	7.7	<0.5	36	8	24
G279224		4.33	<0.005		<0.2	3.91	39	<10	10	<0.5	<2	5.72	<0.5	43	88	77
G279225			<0.005		<0.2	3.61	39	<10	10	<0.5	<2	5.39	<0.5	39	83	71
G279226		4.51	0.009		<0.2	3.63	27	<10	20	<0.5	<2	5.63	<0.5	38	57	66
G279227		4.58	<0.005		<0.2	3.85	11	<10	60	<0.5	<2	4.81	<0.5	40	58	67
G279228		3.12	<0.005		<0.2	3.33	5	<10	70	<0.5	<2	3.94	<0.5	36	52	64
G279229		3.20	<0.005		<0.2	3.62	26	<10	30	<0.5	<2	6.18	<0.5	41	52	73
G279230		0.57	<0.005		<0.2	0.10	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G279231		4.81	0.861		0.6	0.51	2370	<10	100	0.5	<2	7.9	<0.5	40	6	33
G279232		4.66	0.626		0.2	0.51	554	10	100	0.5	<2	9.0	<0.5	40	9	18
G279233		3.58	0.763		0.4	0.54	1845	<10	50	<0.5	<2	7.1	<0.5	44	6	29
G279234		4.73	0.006		<0.2	4.10	26	<10	20	<0.5	<2	6.36	<0.5	41	74	70
G279235		4.80	<0.005		<0.2	2.99	3	<10	830	<0.5	<2	3.41	<0.5	36	34	50
G279236		2.46	<0.005		<0.2	2.25	18	<10	30	<0.5	<2	5.39	<0.5	38	39	45
G279237		3.26	0.418		<0.2	1.05	743	<10	60	<0.5	<2	7.4	<0.5	38	18	44
G279238		4.96	<0.005		<0.2	3.65	5	<10	280	<0.5	<2	5.83	<0.5	41	52	67
G279239		5.04	<0.005		<0.2	3.55	2	<10	1360	<0.5	<2	5.62	<0.5	43	58	65
G279240		0.08	9.53	10.55	0.6	1.50	3810	<10	60	0.5	<2	0.84	<0.5	14	68	66
G279241		4.26	<0.005		<0.2	3.59	6	<10	80	<0.5	<2	5.12	<0.5	39	57	66
G279242		4.52	3.98		1.3	0.71	1860	<10	30	<0.5	<2	5.87	<0.5	63	10	34
G279243		2.29	<0.005		<0.2	3.26	13	<10	20	<0.5	<2	7.5	<0.5	41	47	66
G279244		4.69	<0.005		<0.2	3.96	6	<10	80	<0.5	<2	5.97	<0.5	42	50	52
G279245		3.39	<0.005		<0.2	2.48	39	<10	170	<0.5	<2	5.35	<0.5	42	26	57
G279246		2.09	<0.005		<0.2	0.75	83	<10	290	<0.5	<2	3.39	<0.5	41	9	98
G279247		1.94	<0.005		<0.2	0.31	41	<10	290	<0.5	<2	0.53	<0.5	7	6	70



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**CERTIFICATE OF ANALYSIS TR12188072**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte Units LOR	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G279221		8.61	20	<1	0.04	<10	3.71	1630	<1	0.02	36	710	<2	0.06	<2	32
G279222		9.54	20	<1	0.01	<10	3.49	1485	<1	0.02	30	820	<2	0.18	<2	34
G279223		7.55	<10	1	0.20	<10	3.20	1430	<1	0.01	33	310	2	3.47	7	23
G279224		8.52	20	<1	0.02	<10	4.18	1440	<1	0.03	47	590	<2	0.04	2	36
G279225		8.01	10	<1	0.02	<10	3.90	1365	<1	0.03	42	550	2	0.04	2	34
G279226		7.87	10	<1	0.05	<10	3.61	1410	<1	0.02	36	530	<2	0.19	<2	32
G279227		8.08	10	<1	<0.01	<10	3.68	1465	<1	0.03	37	610	<2	0.19	2	28
G279228		6.91	10	<1	<0.01	<10	3.00	1250	<1	0.04	33	600	<2	0.10	2	19
G279229		8.35	20	<1	0.04	<10	3.59	1435	<1	0.05	37	590	<2	0.19	<2	34
G279230		0.14	<10	<1	<0.01	<10	1.94	35	<1	0.01	<1	50	<2	0.06	<2	1
G279231		8.44	<10	<1	0.28	<10	3.33	1595	<1	0.02	32	390	3	4.34	4	24
G279232		6.93	<10	<1	0.29	<10	3.65	1975	<1	0.02	32	320	<2	2.77	2	32
G279233		12.20	<10	<1	0.25	<10	2.94	1590	<1	0.01	41	240	6	>10.0	6	22
G279234		8.66	10	<1	0.03	<10	3.81	1445	<1	0.02	41	570	2	0.16	<2	35
G279235		7.42	10	<1	0.07	<10	3.06	1470	<1	0.08	25	750	<2	0.14	2	17
G279236		7.90	10	<1	0.03	<10	2.89	1460	<1	0.04	27	600	2	0.16	<2	30
G279237		8.12	10	<1	0.15	<10	3.00	1675	<1	0.03	28	560	2	1.58	<2	30
G279238		8.71	20	<1	0.01	<10	3.22	1435	<1	0.04	33	740	2	0.12	<2	28
G279239		8.39	20	<1	0.02	<10	3.22	1500	<1	0.05	34	710	<2	0.13	<2	29
G279240		3.53	10	<1	0.17	10	0.89	388	6	0.06	60	490	7	0.88	34	5
G279241		8.80	20	<1	0.01	<10	3.20	1500	<1	0.04	31	720	2	0.03	<2	32
G279242		14.35	<10	<1	0.24	<10	2.52	1555	<1	0.01	53	1010	10	>10.0	4	24
G279243		8.27	20	<1	0.01	<10	2.98	1590	<1	0.04	28	690	2	0.03	<2	33
G279244		8.56	20	<1	<0.01	<10	3.64	1600	<1	0.03	30	700	<2	0.03	<2	32
G279245		8.61	10	<1	0.11	<10	3.11	2070	<1	0.02	29	700	5	0.01	<2	26
G279246		8.20	<10	<1	0.27	<10	3.50	3190	<1	0.01	33	590	<2	0.11	<2	18
G279247		1.45	<10	<1	0.19	10	0.50	447	<1	<0.01	17	110	2	0.02	<2	1



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**CERTIFICATE OF ANALYSIS TR12188072**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm	Th ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
		1	20	0.01	10	10	1	10	2
G279221		91	<20	0.09	<10	<10	293	<10	99
G279222		95	<20	0.06	<10	<10	340	<10	111
G279223		286	<20	<0.01	<10	<10	28	<10	39
G279224		93	<20	0.05	<10	<10	299	<10	93
G279225		86	<20	0.05	<10	<10	278	<10	90
G279226		95	<20	0.10	<10	<10	261	<10	86
G279227		85	<20	0.42	<10	<10	277	<10	97
G279228		83	<20	0.47	<10	<10	231	<10	83
G279229		98	<20	0.06	<10	<10	266	<10	94
G279230		4740	<20	<0.01	<10	<10	4	<10	2
G279231		334	<20	<0.01	<10	<10	31	<10	47
G279232		376	<20	<0.01	<10	<10	37	<10	48
G279233		286	<20	<0.01	<10	10	29	<10	40
G279234		160	<20	0.05	<10	<10	278	<10	95
G279235		56	<20	0.77	<10	<10	237	<10	99
G279236		144	<20	0.02	<10	<10	228	<10	90
G279237		254	<20	<0.01	<10	<10	89	<10	64
G279238		165	<20	0.14	<10	10	321	<10	101
G279239		149	<20	0.43	<10	<10	306	<10	102
G279240		43	<20	0.11	<10	<10	51	40	50
G279241		149	<20	0.07	<10	<10	330	<10	102
G279242		312	<20	<0.01	<10	10	60	<10	44
G279243		191	<20	0.06	<10	<10	295	<10	99
G279244		153	<20	0.59	<10	<10	315	<10	108
G279245		276	<20	0.01	<10	<10	145	<10	98
G279246		151	<20	<0.01	<10	<10	30	<10	89
G279247		21	<20	<0.01	<10	<10	9	<10	42



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**CERTIFICATE TR12187488**

Project: CMV12-01  
 P.O. No.: CMV12-01\_44  
 This report is for 56 Drill Core samples submitted to our lab in Terrace, BC, Canada on 21-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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 VANCOUVER BC V6C 1E5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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To: EQUITY EXPLORATION CONSULTANTS LTD.  
 SUITE 200, 900 WEST HASTINGS STREET  
 VANCOUVER BC V6C 1E5

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**CERTIFICATE OF ANALYSIS TR12187488**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G279248		4.29	<0.005		0.3	0.95	68	<10	20	<0.5	3	5.87	<0.5	34	35	79
G279249		4.61	0.030		<0.2	1.67	85	<10	30	<0.5	<2	6.36	<0.5	32	52	63
G279250		0.71	<0.005		0.2	0.03	<2	<10	<10	<0.5	2	>25.0	<0.5	<1	<1	1
G279251		4.70	0.034		<0.2	0.67	54	<10	20	<0.5	<2	6.59	<0.5	30	27	57
G279252		4.47	0.094		0.2	0.50	73	<10	20	<0.5	2	5.60	<0.5	31	22	62
G279253		4.35	0.285		0.4	0.54	154	<10	40	<0.5	2	6.45	<0.5	32	16	98
G279254		4.67	0.839		0.6	0.46	383	<10	40	<0.5	<2	6.55	<0.5	34	12	104
G279255		2.09	0.391		0.2	0.81	292	<10	20	<0.5	<2	5.85	<0.5	36	9	57
G279256		2.74	1.970		0.4	0.39	1545	<10	50	<0.5	<2	8.9	<0.5	34	7	12
G279257		3.78	1.050		0.3	0.52	855	<10	70	<0.5	2	8.6	<0.5	31	7	17
G279258		2.87	0.009		<0.2	3.11	57	<10	10	<0.5	<2	6.09	<0.5	37	34	97
G279259		5.05	<0.005		<0.2	4.31	17	<10	10	<0.5	<2	6.60	<0.5	39	34	72
G279260		0.08	0.243		0.3	0.38	469	<10	870	<0.5	<2	1.05	<0.5	3	42	40
G279261		3.95	<0.005		<0.2	4.30	9	<10	20	<0.5	<2	6.70	<0.5	37	84	85
G279262		4.61	<0.005		<0.2	4.09	35	<10	10	<0.5	<2	5.38	<0.5	38	80	80
G279263		4.51	<0.005		<0.2	3.62	50	<10	<10	<0.5	<2	5.24	<0.5	36	70	74
G279264		2.09	0.028		<0.2	1.51	295	<10	80	<0.5	<2	6.25	<0.5	35	15	111
G279265		1.57	1.165		0.3	0.52	>10000	<10	40	<0.5	<2	5.94	<0.5	29	11	54
G279266		4.55	0.158		<0.2	1.25	330	<10	30	<0.5	<2	6.59	<0.5	32	13	68
G279267		3.58	0.208		<0.2	1.13	2090	<10	20	<0.5	<2	5.81	<0.5	35	20	72
G279268		3.30	<0.005		<0.2	2.94	7	<10	10	<0.5	<2	5.83	<0.5	36	60	77
G279269		2.27	0.006		0.3	2.34	2	<10	10	<0.5	<2	6.56	<0.5	37	40	54
G279270		0.61	<0.005		<0.2	0.05	5	<10	10	<0.5	<2	>25.0	<0.5	<1	1	<1
G279271		4.52	0.027		<0.2	1.10	88	<10	20	<0.5	<2	7.1	<0.5	40	13	65
G279272		4.07	0.071		<0.2	1.40	619	<10	60	<0.5	<2	6.53	<0.5	37	12	55
G279273		4.70	<0.005		<0.2	4.31	23	<10	20	<0.5	<2	6.30	<0.5	36	51	77
G279274		1.36	<0.005		<0.2	4.22	7	<10	20	<0.5	<2	6.58	<0.5	38	52	65
G279275		1.59	<0.005		0.3	4.31	4	<10	10	<0.5	<2	6.53	<0.5	39	54	77
G279276		3.72	<0.005		<0.2	4.33	42	<10	10	<0.5	<2	7.5	<0.5	34	87	69
G279277		1.58	0.006		<0.2	1.78	261	<10	40	<0.5	<2	7.4	<0.5	38	26	83
G279278		1.08	0.623		0.2	0.34	7790	<10	50	<0.5	<2	5.98	<0.5	26	8	39
G279279		3.47	0.339		2.1	0.06	1715	<10	10	<0.5	<2	1.49	<0.5	5	20	52
G279280		0.11	0.726		2.3	0.69	33	<10	70	<0.5	<2	1.90	0.7	8	32	7190
G279281		1.12	0.374		0.6	0.49	4210	<10	70	<0.5	<2	8.0	<0.5	36	8	82
G279282		3.71	<0.005		<0.2	3.45	67	<10	30	<0.5	<2	9.0	<0.5	32	69	65
G279283		3.55	<0.005		<0.2	4.52	7	<10	10	<0.5	<2	6.45	<0.5	36	100	78
G279284		3.47	<0.005		<0.2	4.67	6	<10	220	0.5	<2	6.69	<0.5	39	15	80
G279285		3.89	<0.005		<0.2	4.74	51	<10	10	<0.5	<2	6.8	<0.5	40	15	72
G279286		1.16	3.87		1.6	0.54	>10000	<10	60	<0.5	<2	7.9	<0.5	32	4	41
G279287		1.11	0.567		<0.2	0.06	2100	<10	10	<0.5	<2	0.49	<0.5	5	19	4



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**CERTIFICATE OF ANALYSIS TR12187488**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
Units	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
G279248	7.54	<10	<1	0.05	<10	3.08	1350	<1	0.07	40	710	4	0.46	3	27	
G279249	7.68	10	<1	0.05	<10	3.25	1415	<1	0.06	40	630	<2	0.26	2	28	
G279250	0.06	<10	<1	<0.01	<10	1.64	29	<1	0.01	<1	30	<2	0.05	<2	<1	
G279251	7.15	<10	<1	0.07	<10	2.88	1470	<1	0.06	35	620	<2	0.48	2	25	
G279252	7.46	<10	<1	0.13	<10	3.37	1395	<1	0.06	38	610	2	0.47	3	27	
G279253	7.31	<10	<1	0.14	<10	3.13	1425	<1	0.05	37	780	<2	0.74	<2	27	
G279254	7.77	<10	<1	0.14	<10	3.22	1465	<1	0.05	34	630	<2	1.30	6	28	
G279255	8.02	<10	<1	0.10	<10	3.11	1355	<1	0.05	30	670	<2	0.81	<2	28	
G279256	8.88	<10	<1	0.20	<10	3.78	2210	<1	0.02	35	530	3	7.15	3	33	
G279257	7.58	<10	<1	0.24	<10	3.52	1860	<1	0.02	29	460	4	4.62	5	29	
G279258	8.79	10	<1	0.06	<10	3.59	1405	<1	0.03	39	600	<2	0.06	<2	29	
G279259	8.72	20	<1	0.01	<10	3.59	1540	<1	0.03	36	670	<2	0.13	<2	34	
G279260	3.96	<10	4	0.09	10	0.03	77	14	0.03	16	140	13	0.23	29	1	
G279261	7.58	20	<1	<0.01	<10	3.29	1320	<1	0.04	46	630	<2	0.10	3	33	
G279262	8.92	20	<1	<0.01	<10	4.20	1585	<1	0.04	47	570	<2	0.13	2	35	
G279263	9.21	20	<1	0.01	<10	3.86	1565	<1	0.04	41	550	<2	0.17	2	35	
G279264	8.41	<10	<1	0.17	<10	3.05	1400	<1	0.03	43	590	<2	0.14	7	23	
G279265	6.09	<10	<1	0.13	<10	2.22	1170	<1	0.03	36	330	<2	1.58	24	18	
G279266	7.54	<10	<1	0.11	<10	2.66	1425	<1	0.07	44	610	<2	0.29	7	23	
G279267	8.03	<10	<1	0.09	<10	3.26	1460	<1	0.06	42	500	<2	0.80	12	28	
G279268	7.92	10	<1	0.03	<10	3.60	1470	<1	0.05	42	600	<2	0.06	<2	31	
G279269	7.68	10	<1	0.04	<10	3.15	1375	<1	0.05	46	670	<2	0.04	<2	31	
G279270	0.07	<10	<1	<0.01	<10	1.65	34	<1	0.02	1	40	<2	0.10	<2	<1	
G279271	8.40	<10	<1	0.10	<10	2.92	1345	<1	0.06	42	650	<2	0.14	<2	26	
G279272	7.84	<10	<1	0.14	<10	2.79	1355	<1	0.04	41	630	<2	0.18	<2	26	
G279273	8.65	20	<1	0.01	<10	3.07	1365	<1	0.04	39	660	<2	0.05	<2	36	
G279274	8.40	20	<1	<0.01	<10	3.08	1365	<1	0.04	43	670	<2	0.03	2	35	
G279275	8.59	20	<1	<0.01	<10	3.16	1375	<1	0.03	41	660	<2	0.03	<2	35	
G279276	7.60	10	<1	<0.01	<10	3.28	1360	<1	0.04	43	580	<2	0.17	<2	32	
G279277	8.15	<10	<1	0.12	<10	2.98	1445	<1	0.03	36	630	<2	0.27	2	26	
G279278	5.98	<10	<1	0.16	<10	2.31	1085	<1	0.02	24	530	<2	2.65	8	17	
G279279	1.79	<10	<1	0.03	<10	0.38	261	<1	0.01	7	30	<2	0.81	31	3	
G279280	6.73	<10	2	0.28	<10	0.88	916	8	0.05	15	650	22	2.92	26	3	
G279281	7.33	<10	<1	0.20	<10	3.25	1540	<1	0.02	42	450	<2	2.55	5	25	
G279282	6.79	10	<1	0.07	<10	2.94	1420	<1	0.03	39	500	<2	0.14	<2	27	
G279283	7.83	20	<1	0.01	<10	3.53	1410	<1	0.04	48	630	<2	0.22	3	32	
G279284	9.69	20	<1	0.03	<10	3.02	1760	<1	0.04	23	890	<2	0.27	3	32	
G279285	9.79	20	<1	0.01	<10	2.96	1610	<1	0.04	23	880	<2	0.25	<2	35	
G279286	7.94	<10	<1	0.19	<10	2.75	1790	<1	0.02	18	720	<2	4.22	11	26	
G279287	1.76	<10	<1	0.02	<10	0.13	151	<1	0.01	5	50	<2	1.01	2	1	





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**CERTIFICATE OF ANALYSIS TR12187488**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G279248		50	<20	0.01	<10	<10	76	<10	100
G279249		54	<20	<0.01	<10	<10	109	<10	90
G279250		4580	20	<0.01	<10	50	1	<10	<2
G279251		53	<20	<0.01	<10	<10	72	<10	83
G279252		66	<20	<0.01	<10	<10	40	<10	88
G279253		79	<20	<0.01	<10	<10	39	<10	76
G279254		105	<20	<0.01	<10	<10	37	<10	63
G279255		71	<20	<0.01	<10	<10	37	<10	86
G279256		305	<20	<0.01	<10	<10	30	<10	26
G279257		283	<20	<0.01	<10	<10	36	<10	79
G279258		113	<20	0.01	<10	<10	211	<10	101
G279259		127	<20	0.05	<10	<10	312	<10	106
G279260		73	<20	0.01	10	<10	29	10	23
G279261		99	<20	0.49	<10	<10	298	<10	94
G279262		71	<20	0.07	<10	<10	285	<10	105
G279263		67	<20	0.03	<10	<10	270	<10	99
G279264		100	<20	<0.01	<10	<10	37	<10	88
G279265		180	<20	<0.01	<10	<10	18	<10	57
G279266		118	<20	<0.01	<10	<10	31	<10	82
G279267		134	<20	<0.01	<10	<10	47	<10	86
G279268		94	<20	0.01	<10	<10	203	<10	96
G279269		85	<20	<0.01	<10	<10	152	<10	93
G279270		5400	30	<0.01	<10	<10	2	<10	<2
G279271		106	<20	<0.01	<10	<10	42	<10	78
G279272		121	<20	<0.01	<10	<10	65	<10	90
G279273		167	<20	0.04	<10	<10	355	<10	113
G279274		145	<20	0.14	<10	<10	339	<10	104
G279275		142	<20	0.13	<10	<10	359	<10	109
G279276		71	<20	0.20	10	<10	290	<10	95
G279277		108	<20	0.01	<10	<10	71	<10	91
G279278		205	<20	<0.01	<10	<10	21	<10	48
G279279		36	<20	<0.01	<10	<10	5	<10	17
G279280		65	<20	0.04	<10	<10	41	<10	106
G279281		250	<20	<0.01	<10	<10	21	<10	60
G279282		88	<20	0.03	<10	<10	220	<10	82
G279283		46	<20	0.50	<10	<10	300	<10	95
G279284		87	<20	0.81	10	<10	347	<10	126
G279285		118	<20	0.31	<10	<10	367	<10	123
G279286		308	<20	0.01	<10	<10	32	<10	53
G279287		16	<20	<0.01	<10	<10	4	<10	3



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G279288		4.54	1.700		0.7	0.36	8930	<10	60	<0.5	<2	5.83	<0.5	38	4	38
G279289		2.39	1.380		0.9	0.31	8690	<10	50	<0.5	<2	6.53	<0.5	34	5	28
G279290		0.75	<0.005		<0.2	0.01	8	10	20	<0.5	<2	21.9	<0.5	<1	<1	<1
G279291		1.37	0.407		<0.2	2.61	4660	<10	30	0.5	<2	8.6	<0.5	30	9	42
G279292		1.66	<0.005		<0.2	4.73	65	<10	10	0.6	<2	4.95	<0.5	42	15	73
G279293		4.04	9.92	9.46	1.5	0.44	9000	<10	50	<0.5	<2	6.95	<0.5	34	5	32
G279294		4.41	>10.0	10.40	1.6	0.43	5520	<10	60	<0.5	<2	5.61	<0.5	31	2	42
G279295		2.41	0.761		0.4	1.18	7470	<10	40	<0.5	<2	5.83	<0.5	32	6	53
G279296		3.35	0.017		<0.2	4.27	79	<10	10	<0.5	<2	5.77	<0.5	36	16	72
G279297		4.93	<0.005		<0.2	4.68	61	<10	<10	<0.5	<2	6.23	<0.5	34	49	90
G279298		4.57	<0.005		0.2	3.04	74	<10	10	<0.5	<2	5.45	<0.5	40	45	79
G279299		2.77	0.014		<0.2	0.86	395	<10	40	<0.5	<2	5.72	<0.5	31	10	57
G279300		0.08	2.28		0.5	2.14	11	<10	70	<0.5	<2	0.59	<0.5	8	28	648
G279301		1.17	0.235		<0.2	0.54	2770	<10	50	<0.5	<2	5.69	<0.5	29	7	22
G279302		2.10	<0.005		<0.2	1.05	91	<10	50	<0.5	<2	5.88	<0.5	33	13	53
G279303		4.44	<0.005		<0.2	3.39	45	<10	10	<0.5	<2	5.68	<0.5	32	46	71



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		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G279288		9.73	<10	<1	0.18	<10	2.30	1365	<1	0.02	24	590	<2	7.06	9	19
G279289		7.93	<10	<1	0.14	<10	2.34	1430	<1	0.02	21	750	<2	5.11	6	19
G279290		0.04	<10	<1	<0.01	<10	13.75	452	<1	0.02	1	40	2	0.02	<2	<1
G279291		9.10	10	<1	0.04	<10	2.74	1595	<1	0.01	18	690	<2	0.50	3	25
G279292		11.00	20	<1	<0.01	<10	2.59	1190	<1	0.01	27	950	<2	0.31	2	36
G279293		8.82	<10	<1	0.15	<10	2.24	1365	<1	0.02	23	620	<2	5.36	7	19
G279294		8.33	<10	<1	0.20	<10	2.22	1310	<1	0.02	19	600	<2	5.16	4	19
G279295		7.59	10	<1	0.14	<10	2.27	1395	<1	0.02	17	630	<2	2.54	4	20
G279296		8.87	20	<1	0.01	<10	2.83	1480	<1	0.04	19	800	<2	0.16	<2	33
G279297		8.11	20	<1	<0.01	<10	3.28	1475	<1	0.04	29	600	<2	0.17	<2	34
G279298		8.20	10	<1	0.05	<10	3.19	1220	<1	0.05	41	630	<2	0.02	<2	32
G279299		7.17	<10	<1	0.20	<10	2.75	1235	<1	0.02	29	590	<2	0.09	<2	23
G279300		4.07	10	<1	0.14	10	0.85	751	8	0.08	18	640	10	0.08	2	5
G279301		6.23	<10	<1	0.25	<10	2.47	1170	<1	0.02	27	450	<2	0.52	<2	19
G279302		7.59	<10	<1	0.21	<10	2.88	1285	<1	0.02	27	540	<2	0.03	<2	21
G279303		7.86	10	<1	0.03	<10	2.84	1270	<1	0.05	29	630	<2	0.02	<2	33



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12187488**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G279288		228	<20	<0.01	<10	<10	25	<10	57
G279289		264	<20	<0.01	<10	<10	23	<10	42
G279290		224	<20	<0.01	<10	<10	2	<10	16
G279291		180	<20	<0.01	<10	<10	171	<10	83
G279292		73	<20	0.02	<10	<10	387	<10	139
G279293		187	<20	<0.01	<10	<10	37	<10	58
G279294		220	<20	<0.01	<10	<10	28	<10	61
G279295		176	<20	<0.01	<10	<10	93	<10	78
G279296		100	<20	0.06	<10	<10	336	<10	124
G279297		75	<20	0.24	<10	<10	316	<10	102
G279298		83	<20	0.02	<10	<10	237	<10	111
G279299		126	<20	<0.01	<10	<10	38	<10	77
G279300		31	<20	0.13	<10	<10	60	<10	85
G279301		159	<20	<0.01	<10	<10	25	<10	72
G279302		123	<20	<0.01	<10	<10	55	<10	78
G279303		106	<20	0.04	<10	<10	307	<10	103



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**CERTIFICATE TR12208399**

Project: CMV12-01  
 P.O. No.: CMV12-01\_44  
 This report is for 1 Other sample submitted to our lab in Terrace, BC, Canada on 9-SEP-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
BAG-01	Bulk Master for Storage
SCR-21	Screen to -100 to 106 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12208399**

Sample Description	Method Analyte Units LOR	Au-SCR24 Au Total ppm	Au-SCR24 Au (+) F ppm	Au-SCR24 Au (-) F ppm	Au-SCR24 Au (+) m mg	Au-SCR24 WT. + Fr g	Au-SCR24 WT. - Fr g	Au-AA26 Au ppm	Au-AA26D Au ppm
G279294		9.98	12.35	9.84	0.401	32.50	543.2	9.90	9.77



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**CERTIFICATE TR12164074**

Project: CMV12-01  
 P.O. No.: CMV12-01\_17  
 This report is for 54 Drill Core samples submitted to our lab in Terrace, BC, Canada on 17-JUL-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12164074**

Sample Description	Method	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G277638		1.24	>10.0	30.4	6.9	0.17	>10000	<10	40	<0.5	<2	2.50	<0.5	14	11	163
G277617		3.25	0.027		<0.2	1.86	67	<10	40	<0.5	<2	5.86	<0.5	34	30	50
G277618		2.12	1.980		0.2	0.33	5390	<10	50	0.5	<2	9.6	<0.5	30	6	37
G277619		1.73	0.193		<0.2	1.43	112	<10	50	<0.5	<2	6.39	<0.5	35	21	49
G277620		0.08	0.725		2.5	0.77	30	<10	90	<0.5	2	2.04	0.6	9	34	7540
G277621		4.60	<0.005		0.2	3.76	19	<10	<10	<0.5	<2	6.58	<0.5	37	47	61
G277622		1.63	0.061		0.3	4.28	113	<10	10	0.7	<2	9.2	<0.5	33	47	54
G277623		2.27	<0.005		<0.2	4.35	7	<10	60	<0.5	<2	2.91	<0.5	39	63	63
G277624		2.25	<0.005		<0.2	4.40	6	<10	90	<0.5	<2	4.65	<0.5	39	59	66
G277625		<0.02	<0.005		<0.2	4.17	4	<10	100	<0.5	<2	4.60	<0.5	37	58	65
G277626		1.96	0.171		0.2	2.65	53	<10	70	0.5	<2	5.32	<0.5	38	37	67
G277627		2.69	2.02		0.3	0.32	6360	<10	40	<0.5	<2	5.99	<0.5	35	8	32
G277628		1.81	1.030		0.3	0.59	296	<10	30	<0.5	<2	5.90	<0.5	36	6	60
G277629		0.84	2.65		0.6	0.31	>10000	<10	50	<0.5	<2	4.08	<0.5	25	7	23
G277630		0.37	<0.005		<0.2	0.03	15	<10	<10	<0.5	<2	>25.0	<0.5	1	1	<1
G277631		2.63	1.815		0.6	1.18	5410	<10	40	<0.5	<2	5.77	<0.5	34	11	43
G277632		2.53	<0.005		0.2	4.03	39	<10	10	<0.5	<2	5.93	<0.5	38	39	55
G277633		3.88	<0.005		<0.2	3.04	20	<10	20	0.5	<2	6.16	<0.5	34	35	43
G277634		2.60	0.277		0.2	3.15	284	<10	20	0.9	<2	6.01	<0.5	38	26	69
G277635		1.03	0.618		0.3	0.63	599	<10	20	<0.5	<2	5.39	<0.5	25	10	32
G277636		2.71	2.80		0.9	0.79	743	<10	30	<0.5	<2	6.45	<0.5	36	12	54
G277637		1.78	>10.0	12.40	1.5	0.39	>10000	<10	60	<0.5	<2	6.22	<0.5	39	5	8
G277639		0.42	0.009		<0.2	0.06	11	<10	<10	<0.5	<2	>25.0	<0.5	1	1	<1
G277640		0.07	9.98	9.65	0.7	1.58	3860	<10	50	<0.5	<2	0.87	<0.5	15	68	67
G277641		2.69	4.64		0.9	0.41	>10000	<10	50	<0.5	<2	6.48	<0.5	33	7	32
G277642		2.80	<0.005		0.3	4.53	38	<10	<10	<0.5	<2	6.29	<0.5	38	60	59
G277643		3.96	<0.005		<0.2	4.52	12	<10	10	<0.5	<2	5.63	<0.5	38	58	58
G277644		3.98	<0.005		<0.2	4.64	32	<10	<10	<0.5	<2	6.27	<0.5	38	56	57
G277645		1.00	1.200		0.4	1.23	3780	<10	30	<0.5	<2	6.15	<0.5	37	22	69
G277646		1.16	0.268		<0.2	0.05	1195	<10	<10	<0.5	<2	1.55	<0.5	4	9	1
G277647		2.05	1.465		0.4	0.35	2100	<10	40	<0.5	<2	8.4	<0.5	30	6	24
G277648		3.17	1.410		0.4	0.60	750	<10	40	<0.5	<2	8.5	<0.5	32	8	44
G277649		1.08	0.008		0.2	2.43	67	<10	20	<0.5	<2	6.42	<0.5	35	33	53
G277650		0.37	<0.005		<0.2	0.03	3	<10	<10	<0.5	<2	>25.0	<0.5	1	1	<1
G277651		2.32	<0.005		0.2	4.81	7	<10	<10	<0.5	<2	6.41	<0.5	38	57	54
G277652		3.37	<0.005		<0.2	3.07	6	<10	60	<0.5	<2	1.53	<0.5	32	49	65
G277653		4.17	<0.005		0.3	2.89	5	<10	20	<0.5	<2	1.31	<0.5	30	50	62
G277654		4.59	<0.005		0.2	3.11	9	<10	<10	<0.5	<2	2.14	<0.5	33	96	73
G277655		2.85	<0.005		<0.2	2.82	6	<10	<10	<0.5	<2	1.63	<0.5	31	44	66
G277656		3.52	<0.005		<0.2	3.26	6	<10	30	<0.5	<2	2.31	<0.5	32	43	59





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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12164074**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G277638		4.30	<10	<1	0.09	<10	0.59	411	<1	0.01	14	150	<2	3.36	57	5
G277617		8.32	10	<1	0.09	<10	2.64	1465	<1	0.03	31	790	<2	0.16	<2	24
G277618		7.45	<10	<1	0.16	<10	2.36	1345	<1	0.02	26	560	<2	2.07	4	20
G277619		8.48	<10	<1	0.15	<10	2.84	1510	<1	0.02	29	730	<2	0.56	3	24
G277620		7.27	<10	2	0.32	<10	0.96	968	9	0.07	18	660	27	2.99	25	4
G277621		9.43	10	<1	0.05	<10	3.34	1595	<1	0.03	37	810	<2	0.18	<2	31
G277622		9.08	10	<1	0.02	<10	2.72	1375	<1	0.02	33	770	<2	0.33	<2	29
G277623		9.77	10	<1	0.01	<10	3.48	1230	<1	0.03	39	910	<2	0.21	<2	19
G277624		8.98	10	<1	0.04	<10	3.18	1375	<1	0.03	38	930	<2	0.19	<2	22
G277625		8.64	10	<1	0.04	<10	3.02	1335	<1	0.03	38	900	<2	0.20	<2	21
G277626		8.88	10	<1	0.07	<10	2.48	1650	<1	0.02	35	950	<2	0.47	<2	33
G277627		7.99	<10	<1	0.18	<10	2.84	1445	<1	0.02	30	410	<2	2.86	<2	23
G277628		9.90	<10	<1	0.21	<10	3.16	1595	<1	0.03	20	890	<2	2.01	<2	23
G277629		5.71	<10	<1	0.18	<10	1.67	946	<1	0.02	24	650	<2	2.85	3	14
G277630		0.06	<10	<1	0.01	<10	1.70	30	<1	0.02	<1	40	<2	0.10	<2	<1
G277631		9.02	<10	<1	0.17	<10	2.80	1500	<1	0.03	25	780	<2	1.62	<2	23
G277632		9.96	20	<1	0.04	<10	3.19	1610	<1	0.03	33	860	<2	0.25	<2	33
G277633		9.23	10	<1	0.04	<10	2.80	1535	<1	0.04	30	860	<2	0.22	<2	30
G277634		10.30	10	<1	0.06	<10	2.36	1450	1	0.02	29	890	<2	0.98	<2	31
G277635		6.95	<10	1	0.09	<10	1.58	879	<1	0.02	21	500	3	2.45	5	15
G277636		8.97	<10	<1	0.15	<10	2.56	1650	<1	0.02	25	860	<2	2.73	2	25
G277637		10.15	<10	<1	0.22	<10	2.75	1305	<1	0.02	37	360	2	9.20	<2	24
G277639		0.09	<10	<1	<0.01	<10	1.82	27	<1	0.02	<1	30	<2	0.13	<2	<1
G277640		3.68	10	<1	0.17	10	0.90	385	7	0.08	62	480	7	0.91	33	5
G277641		8.47	<10	<1	0.20	<10	2.83	1360	<1	0.03	31	640	<2	3.52	2	23
G277642		9.79	20	<1	0.01	<10	3.65	1600	<1	0.06	38	840	<2	0.19	<2	34
G277643		9.62	20	<1	0.01	<10	3.68	1565	<1	0.05	37	840	<2	0.20	<2	29
G277644		9.56	20	<1	0.01	<10	3.52	1560	<1	0.04	36	820	<2	0.13	<2	33
G277645		8.83	10	<1	0.13	<10	2.95	1600	<1	0.03	34	770	<2	2.61	<2	27
G277646		1.77	<10	<1	0.02	<10	0.41	285	<1	0.02	4	160	<2	0.65	<2	3
G277647		7.70	<10	1	0.19	<10	2.76	1420	<1	0.02	26	510	<2	4.11	2	22
G277648		8.14	<10	<1	0.22	<10	2.95	1650	<1	0.03	27	630	<2	3.34	<2	23
G277649		8.65	10	<1	0.08	<10	3.06	1580	<1	0.04	32	780	<2	0.23	<2	29
G277650		0.06	<10	<1	<0.01	<10	1.82	29	<1	0.03	<1	40	<2	0.10	<2	<1
G277651		9.22	20	<1	0.01	<10	3.36	1550	<1	0.04	37	800	<2	0.20	<2	31
G277652		6.65	10	<1	0.01	<10	2.21	1075	<1	0.06	32	880	<2	0.23	<2	7
G277653		6.10	10	<1	<0.01	<10	2.00	928	<1	0.06	29	880	<2	0.18	<2	6
G277654		6.20	10	<1	<0.01	<10	2.39	1020	<1	0.07	38	740	<2	0.20	<2	10
G277655		6.17	10	<1	<0.01	<10	1.93	953	<1	0.07	31	840	<2	0.23	<2	5
G277656		7.44	10	<1	<0.01	<10	2.15	1140	1	0.06	26	1030	<2	0.36	<2	9



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**CERTIFICATE OF ANALYSIS TR12164074**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G277638		73	<20	<0.01	<10	<10	9	<10	27
G277617		78	<20	0.05	<10	<10	141	<10	94
G277618		178	<20	<0.01	<10	<10	24	<10	48
G277619		101	<20	<0.01	<10	<10	93	<10	84
G277620		72	<20	0.04	<10	<10	44	<10	112
G277621		111	<20	0.01	<10	<10	241	<10	114
G277622		108	<20	0.01	<10	<10	272	<10	98
G277623		43	<20	0.46	<10	<10	268	<10	113
G277624		75	<20	0.42	<10	<10	260	<10	109
G277625		76	<20	0.43	<10	<10	253	<10	106
G277626		65	<20	0.01	<10	<10	279	<10	115
G277627		205	<20	<0.01	<10	<10	24	<10	49
G277628		140	<20	<0.01	<10	<10	38	<10	87
G277629		165	<20	<0.01	<10	<10	19	<10	27
G277630		4870	20	<0.01	<10	<10	1	<10	<2
G277631		135	<20	<0.01	<10	<10	59	<10	82
G277632		96	<20	0.02	<10	<10	284	<10	111
G277633		109	<20	0.01	<10	<10	253	<10	108
G277634		101	<20	0.01	<10	<10	258	<10	109
G277635		80	<20	<0.01	<10	<10	41	<10	50
G277636		182	<20	<0.01	<10	<10	74	<10	89
G277637		346	<20	<0.01	<10	<10	22	<10	31
G277639		4880	20	<0.01	<10	<10	1	<10	2
G277640		45	<20	0.10	<10	<10	50	40	50
G277641		261	<20	<0.01	<10	<10	26	<10	48
G277642		129	<20	0.04	<10	<10	347	<10	111
G277643		122	<20	0.34	<10	<10	314	<10	108
G277644		144	<20	0.02	<10	<10	329	<10	113
G277645		204	<20	<0.01	<10	<10	106	<10	80
G277646		50	<20	<0.01	<10	<10	5	<10	7
G277647		286	<20	<0.01	<10	<10	29	<10	99
G277648		252	<20	<0.01	<10	<10	34	<10	78
G277649		109	<20	0.01	<10	<10	170	<10	105
G277650		5200	20	<0.01	<10	<10	1	<10	<2
G277651		66	<20	0.09	<10	<10	316	<10	110
G277652		28	<20	0.52	<10	<10	173	<10	80
G277653		36	<20	0.55	<10	<10	155	<10	75
G277654		36	<20	0.56	<10	<10	176	<10	75
G277655		21	<20	0.91	<10	<10	193	<10	75
G277656		32	<20	1.00	<10	<10	242	<10	91



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**CERTIFICATE OF ANALYSIS TR12164074**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G277657		4.01	<0.005		<0.2	2.86	5	<10	330	<0.5	<2	2.07	<0.5	28	38	50
G277658		4.42	<0.005		<0.2	2.96	4	<10	150	0.5	<2	2.03	<0.5	33	37	67
G277659		4.41	<0.005		<0.2	3.35	4	<10	220	0.5	<2	2.20	<0.5	32	39	46
G277660		0.07	3.46		4.1	1.52	286	<10	420	<0.5	<2	1.37	1.5	9	55	77
G277661		2.25	<0.005		0.3	3.93	4	<10	200	0.5	<2	2.88	<0.5	35	40	55
G277662		3.74	<0.005		0.3	3.92	63	<10	30	<0.5	<2	7.1	<0.5	35	67	39
G277663		2.58	<0.005		<0.2	4.35	26	<10	10	<0.5	<2	5.97	<0.5	35	85	33
G277664		2.73	<0.005		<0.2	4.49	4	<10	10	<0.5	<2	5.09	<0.5	37	82	42
G277665		1.82	<0.005		<0.2	2.32	10	<10	40	0.6	<2	5.62	<0.5	36	66	59
G277666		3.20	<0.005		<0.2	3.36	5	<10	120	0.8	<2	11.8	<0.5	33	32	29
G277667		3.31	<0.005		<0.2	3.90	4	<10	50	0.5	<2	2.89	<0.5	33	42	61
G277668		3.48	<0.005		0.3	3.57	5	<10	180	0.5	<2	2.65	<0.5	35	38	63
G277669		2.06	<0.005		<0.2	3.17	<2	<10	610	0.5	<2	2.52	<0.5	32	42	48
G277670		0.37	<0.005		<0.2	0.10	4	<10	10	<0.5	3	>25.0	<0.5	<1	1	<1



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**CERTIFICATE OF ANALYSIS TR12164074**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G277657		6.88	10	1	0.04	<10	1.65	1165	<1	0.09	25	1210	<2	0.26	4	7
G277658		6.99	10	1	0.02	<10	1.65	1080	<1	0.08	25	1190	<2	0.46	2	5
G277659		7.65	10	<1	0.02	<10	2.06	1195	<1	0.06	25	1210	<2	0.34	4	9
G277660		3.36	<10	5	0.14	10	0.82	455	13	0.09	40	790	297	0.68	29	4
G277661		8.84	10	1	0.02	<10	2.50	1405	<1	0.05	27	1150	<2	0.40	3	15
G277662		8.34	10	<1	0.02	<10	2.96	1410	<1	0.03	37	760	<2	0.30	<2	29
G277663		7.89	10	1	0.01	<10	3.41	1425	<1	0.04	43	630	<2	0.02	<2	32
G277664		8.48	10	<1	<0.01	<10	3.66	1450	<1	0.04	44	700	<2	0.02	<2	23
G277665		6.92	10	1	0.01	<10	1.29	1725	<1	0.02	46	680	2	0.32	<2	29
G277666		7.58	10	1	0.02	10	1.85	1755	<1	0.03	26	940	4	0.39	<2	24
G277667		9.24	10	1	<0.01	<10	2.62	1345	<1	0.05	27	1110	2	0.18	<2	16
G277668		8.82	10	1	0.02	<10	2.61	1280	<1	0.05	28	1140	2	0.49	<2	13
G277669		7.96	10	1	0.05	<10	2.22	1335	<1	0.10	27	1220	3	0.26	<2	11
G277670		0.15	<10	<1	<0.01	<10	1.52	35	<1	0.02	2	50	<2	0.06	<2	1



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12164074**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
		1	20	0.01	10	10	1	10	2
G277657		33	<20	0.94	<10	<10	226	<10	92
G277658		23	<20	1.04	<10	<10	224	<10	94
G277659		33	<20	1.07	<10	<10	253	<10	107
G277660		35	<20	0.09	<10	<10	61	<10	285
G277661		31	<20	1.01	10	<10	302	<10	119
G277662		95	<20	0.07	<10	<10	285	<10	118
G277663		69	<20	0.08	<10	<10	307	<10	107
G277664		157	<20	0.30	<10	<10	312	<10	120
G277665		84	<20	0.01	<10	<10	250	<10	127
G277666		139	<20	0.01	<10	<10	236	<10	94
G277667		45	<20	1.15	<10	<10	317	<10	124
G277668		46	<20	1.04	<10	<10	290	<10	112
G277669		53	<20	1.14	<10	<10	290	<10	106
G277670		5370	20	0.02	<10	<10	5	<10	2



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**CERTIFICATE TR12202483**

Project: CMV12-01  
 P.O. No.: CMV12-01\_51  
 This report is for 94 Drill Core samples submitted to our lab in Terrace, BC, Canada on 28-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
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<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12202483**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G279432		3.57	0.010		<0.2	3.84	27	<10	10	<0.5	<2	5.34	<0.5	42	55	67
G279433		2.13	0.017		<0.2	4.14	28	<10	10	<0.5	<2	4.70	<0.5	42	56	78
G279434		4.89	0.060		<0.2	1.51	136	<10	30	<0.5	<2	5.70	<0.5	36	18	59
G279435		5.22	0.030		<0.2	0.65	93	<10	40	<0.5	2	5.55	<0.5	40	13	62
G279436		3.91	0.033		<0.2	0.97	69	<10	30	<0.5	<2	5.85	<0.5	35	12	77
G279437		2.52	<0.005		<0.2	1.03	16	<10	20	<0.5	<2	3.37	<0.5	36	34	71
G279438		4.33	<0.005		<0.2	4.82	9	<10	10	<0.5	2	3.47	<0.5	43	62	81
G279439		4.28	<0.005		<0.2	0.95	98	<10	20	<0.5	<2	5.94	<0.5	38	12	62
G279440		0.08	9.51	NSS	0.5	1.47	4000	<10	60	0.5	2	0.80	<0.5	15	69	66
G279441		4.42	<0.005		<0.2	0.98	81	<10	20	<0.5	2	5.76	<0.5	38	12	65
G279442		5.28	<0.005		<0.2	2.60	9	<10	10	<0.5	<2	2.07	<0.5	31	42	80
G279443		5.52	<0.005		<0.2	2.79	7	<10	10	<0.5	<2	2.07	<0.5	34	48	78
G279444		4.01	<0.005		<0.2	2.57	9	<10	10	<0.5	<2	2.02	<0.5	31	38	78
G279445		4.35	<0.005		<0.2	4.14	14	<10	<10	<0.5	<2	5.87	<0.5	39	67	68
G279446		5.13	<0.005		<0.2	2.99	4	<10	90	<0.5	<2	2.73	<0.5	36	48	80
G279447		5.17	<0.005		<0.2	2.70	5	<10	890	<0.5	<2	2.92	<0.5	39	45	82
G279448		4.58	<0.005		<0.2	3.68	5	<10	320	0.6	<2	1.87	<0.5	53	57	84
G279449		4.18	<0.005		<0.2	1.84	22	<10	60	0.5	3	1.42	<0.5	43	45	83
G279450		0.71	<0.005		<0.2	0.01	<2	20	40	<0.5	<2	19.7	<0.5	1	<1	2
G279451		3.87	<0.005		<0.2	1.59	24	<10	10	0.5	2	0.74	<0.5	49	40	70
G279452		2.97	<0.005		<0.2	1.41	10	<10	10	<0.5	3	1.52	<0.5	44	40	79
G279453		1.87	<0.005		<0.2	1.39	27	<10	20	<0.5	2	5.50	<0.5	45	30	110
G279454		1.98	<0.005		<0.2	4.26	6	<10	10	0.5	4	5.44	<0.5	44	43	79
G279455		1.31	<0.005		<0.2	1.95	22	<10	10	<0.5	2	8.3	<0.5	47	25	198
G279456		3.16	0.181		<0.2	1.10	32	<10	20	<0.5	<2	6.21	<0.5	37	23	67
G279457		5.02	<0.005		<0.2	3.65	4	<10	10	<0.5	4	6.04	<0.5	41	54	27
G279458		5.06	<0.005		<0.2	3.36	7	<10	10	0.5	<2	6.16	<0.5	42	55	59
G279459		4.22	<0.005		<0.2	3.88	7	<10	10	<0.5	<2	5.72	<0.5	44	48	68
G279460		0.07	0.276		0.3	0.39	462	<10	600	<0.5	<2	1.08	<0.5	3	43	41
G279461		4.30	<0.005		<0.2	2.93	12	<10	10	<0.5	3	5.72	<0.5	46	44	78
G279462		2.87	1.080		2.0	0.53	710	<10	80	<0.5	2	6.00	<0.5	48	7	80
G279463		4.83	3.21		1.2	0.34	1905	<10	60	<0.5	3	6.64	<0.5	52	5	40
G279464		2.32	0.143		<0.2	0.07	174	<10	10	<0.5	<2	1.71	<0.5	4	22	2
G279465		3.28	0.112		0.2	0.10	105	<10	10	<0.5	<2	0.83	<0.5	5	14	3
G279466		4.29	0.012		<0.2	1.33	60	<10	60	0.5	3	4.28	<0.5	37	26	66
G279467		2.78	<0.005		<0.2	1.65	7	<10	10	0.5	3	0.68	<0.5	88	42	49
G279468		4.02	<0.005		<0.2	3.63	7	<10	530	<0.5	<2	3.19	<0.5	43	51	74
G279469		5.21	<0.005		<0.2	2.89	2	<10	420	<0.5	<2	2.41	<0.5	41	49	78
G279470		0.87	<0.005		<0.2	0.02	<2	10	50	<0.5	<2	20.4	<0.5	<1	<1	<1
G279471		5.00	<0.005		<0.2	3.24	8	<10	270	<0.5	<2	4.35	<0.5	42	50	75



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12202483**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G279432		8.94	20	<1	0.04	<10	3.77	1525	<1	0.03	41	630	<2	0.17	<2	35
G279433		9.20	20	<1	0.02	<10	3.82	1555	<1	0.02	40	650	<2	0.19	<2	37
G279434		8.15	<10	<1	0.10	<10	2.98	1375	<1	0.02	35	570	<2	0.31	<2	28
G279435		8.09	<10	<1	0.12	<10	3.37	1475	<1	0.03	34	540	<2	0.28	2	31
G279436		7.82	<10	<1	0.14	<10	2.97	1435	<1	0.02	31	720	<2	0.21	<2	27
G279437		7.34	<10	<1	0.02	<10	1.54	1920	<1	<0.01	34	510	<2	0.24	<2	32
G279438		10.50	10	<1	0.01	<10	4.17	1205	<1	0.02	46	640	3	0.18	5	22
G279439		6.97	<10	<1	0.10	<10	3.20	1325	<1	0.03	38	550	<2	0.13	5	24
G279440		3.42	10	<1	0.16	10	0.87	387	5	0.07	64	500	6	0.90	35	5
G279441		7.53	<10	<1	0.10	<10	3.13	1285	<1	0.04	37	560	<2	0.15	2	25
G279442		4.63	10	1	<0.01	<10	1.79	830	<1	0.04	32	590	<2	0.17	<2	4
G279443		5.19	10	<1	<0.01	<10	2.34	972	<1	0.04	34	600	<2	0.17	<2	8
G279444		4.59	10	<1	<0.01	<10	1.75	799	<1	0.04	31	590	<2	0.16	<2	5
G279445		7.44	10	1	<0.01	<10	3.47	1425	<1	0.03	41	580	<2	0.11	<2	32
G279446		6.90	10	<1	0.01	<10	2.64	1200	<1	0.04	36	650	<2	0.02	<2	9
G279447		7.53	10	1	0.10	<10	2.37	1210	<1	0.08	34	690	<2	0.02	<2	11
G279448		12.20	10	<1	0.05	<10	2.56	866	<1	0.05	45	740	2	0.08	<2	21
G279449		8.73	10	1	<0.01	<10	0.97	2170	<1	0.02	40	850	<2	1.35	3	46
G279450		0.05	<10	<1	<0.01	<10	11.95	403	<1	0.02	<1	40	2	<0.01	<2	<1
G279451		7.62	10	<1	0.01	<10	0.78	1460	<1	0.01	49	700	<2	1.23	3	30
G279452		9.00	10	<1	0.01	<10	1.17	1790	<1	0.01	37	600	<2	0.07	<2	35
G279453		8.73	10	<1	0.09	<10	2.04	1900	<1	0.02	34	590	<2	0.08	<2	32
G279454		10.90	20	1	0.02	<10	3.11	1395	<1	0.02	36	660	<2	0.02	2	35
G279455		8.30	10	<1	0.12	<10	2.80	1715	<1	0.02	38	420	<2	0.03	<2	29
G279456		8.17	<10	<1	0.09	<10	2.18	2090	<1	0.02	28	720	<2	0.22	4	34
G279457		10.10	20	<1	0.01	<10	2.88	1635	<1	0.04	38	730	<2	0.01	2	37
G279458		9.81	20	<1	0.01	<10	2.88	1740	<1	0.04	36	750	<2	0.01	<2	37
G279459		9.11	20	1	0.01	<10	3.31	1670	<1	0.03	37	670	2	0.10	3	36
G279460		3.77	<10	4	0.09	10	0.03	77	13	0.03	16	150	14	0.22	28	1
G279461		9.47	10	<1	0.04	<10	3.10	1565	<1	0.04	42	650	<2	0.12	2	33
G279462		9.24	<10	<1	0.26	<10	3.11	1755	<1	0.02	36	500	2	4.09	19	27
G279463		10.90	<10	<1	0.22	<10	3.13	1725	<1	0.02	41	290	4	>10.0	8	29
G279464		1.90	<10	<1	0.03	<10	0.29	274	<1	0.01	5	650	<2	1.18	2	3
G279465		1.72	<10	1	0.03	<10	0.31	232	<1	0.02	6	160	<2	0.73	2	2
G279466		7.72	10	<1	0.13	<10	1.66	2350	<1	0.02	31	740	<2	0.57	3	30
G279467		8.42	10	3	0.01	<10	0.74	2670	<1	0.01	90	870	2	1.42	<2	40
G279468		8.70	10	1	0.06	<10	3.25	1560	<1	0.07	35	720	<2	0.11	<2	20
G279469		6.62	10	<1	0.04	<10	2.77	1385	<1	0.07	36	690	<2	0.08	<2	14
G279470		0.06	<10	<1	<0.01	<10	12.75	407	<1	0.02	<1	40	<2	0.01	3	<1
G279471		7.63	20	<1	0.03	<10	3.19	1590	<1	0.05	38	680	<2	0.07	<2	24





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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G279432		108	<20	0.05	<10	<10	272	<10	101
G279433		74	<20	0.08	<10	<10	330	<10	108
G279434		170	<20	0.01	<10	<10	85	<10	87
G279435		128	<20	<0.01	<10	<10	47	<10	88
G279436		155	<20	<0.01	<10	<10	38	<10	92
G279437		37	<20	<0.01	<10	<10	211	<10	103
G279438		44	<20	0.14	<10	<10	263	<10	98
G279439		128	<20	<0.01	<10	<10	45	<10	77
G279440		39	<20	0.10	<10	<10	51	20	49
G279441		111	<20	0.01	<10	<10	43	<10	86
G279442		18	<20	0.45	<10	<10	126	<10	59
G279443		24	<20	0.50	<10	<10	152	<10	64
G279444		24	<20	0.45	<10	<10	125	<10	59
G279445		33	<20	0.57	<10	<10	282	<10	86
G279446		34	<20	0.73	<10	<10	220	<10	90
G279447		53	<20	0.71	<10	<10	223	<10	94
G279448		50	<20	0.45	<10	<10	284	<10	108
G279449		40	<20	<0.01	<10	<10	327	<10	139
G279450		174	<20	<0.01	<10	10	3	<10	15
G279451		17	<20	<0.01	<10	<10	270	<10	129
G279452		18	<20	<0.01	<10	<10	279	<10	106
G279453		68	<20	<0.01	<10	<10	173	<10	99
G279454		85	<20	0.01	10	<10	279	<10	103
G279455		107	<20	<0.01	<10	<10	96	<10	95
G279456		116	<20	<0.01	<10	<10	156	<10	108
G279457		103	<20	0.13	<10	<10	394	<10	109
G279458		76	<20	0.64	<10	<10	382	<10	112
G279459		128	<20	0.02	<10	<10	347	<10	104
G279460		77	<20	0.01	10	<10	29	<10	22
G279461		109	<20	0.01	<10	<10	279	<10	98
G279462		311	<20	<0.01	<10	<10	35	<10	69
G279463		404	<20	<0.01	<10	<10	30	<10	39
G279464		34	<20	<0.01	<10	<10	6	<10	4
G279465		25	<20	<0.01	<10	<10	8	<10	5
G279466		64	<20	<0.01	<10	<10	174	<10	100
G279467		15	<20	0.01	<10	<10	337	<10	149
G279468		53	<20	0.53	<10	<10	267	<10	104
G279469		35	<20	0.71	<10	<10	239	<10	90
G279470		216	<20	<0.01	<10	<10	3	<10	13
G279471		80	<20	0.43	<10	<10	271	<10	96



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**CERTIFICATE OF ANALYSIS TR12202483**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G279472		4.43	<0.005		<0.2	3.52	5	<10	20	<0.5	<2	5.31	<0.5	38	50	63
G279473		2.23	<0.005		<0.2	3.97	2	<10	40	<0.5	3	5.43	<0.5	38	52	69
G279474		2.14	<0.005		<0.2	1.69	7	<10	50	0.6	<2	4.19	<0.5	70	43	87
G279475		2.08	<0.005		<0.2	1.47	8	<10	50	0.5	2	3.65	<0.5	59	41	93
G279476		1.66	<0.005		<0.2	4.91	6	<10	20	<0.5	<2	4.65	<0.5	46	55	69
G279477		1.22	0.377		1.4	1.79	615	<10	40	0.6	3	6.03	<0.5	41	21	75
G279478		1.54	2.11		2.2	0.28	993	<10	70	<0.5	2	6.47	<0.5	33	6	51
G279479		2.34	0.114		<0.2	0.03	140	<10	10	<0.5	2	13.4	<0.5	3	4	2
G279480		0.07	0.667		2.2	0.68	27	<10	60	<0.5	5	1.97	0.6	8	32	7280
G279481		3.71	0.959		0.9	0.37	951	<10	40	1.1	2	20.2	<0.5	21	1	26
G279482		4.74	1.675		2.2	0.28	1795	<10	50	0.7	3	6.53	<0.5	40	5	46
G279483		3.83	1.095		1.0	0.14	737	<10	30	0.5	2	10.6	<0.5	21	7	10
G279484		2.62	2.41		4.4	0.23	1840	<10	40	<0.5	<2	3.19	<0.5	49	6	69
G279485		4.23	0.308		0.4	0.14	466	<10	20	<0.5	<2	4.17	<0.5	14	20	8
G279486		4.40	0.035		<0.2	0.02	53	<10	<10	<0.5	<2	1.12	<0.5	1	11	<1
G279487		4.63	1.020		0.6	0.20	1035	<10	40	<0.5	<2	3.89	<0.5	28	12	4
G279488		2.30	1.215		1.3	0.10	1400	<10	20	<0.5	3	1.79	<0.5	36	5	7
G279489		1.58	1.950		2.5	0.29	1795	<10	10	<0.5	<2	0.27	<0.5	47	6	21
G279490		0.62	<0.005		<0.2	0.01	3	10	40	<0.5	2	22.1	<0.5	<1	<1	<1
G279491		2.05	1.000		0.6	0.84	998	<10	50	0.7	<2	5.42	<0.5	38	12	39
G279492		3.61	2.27		0.4	1.75	1505	<10	50	1.2	2	6.68	<0.5	42	10	79
G279493		4.23	1.930		0.7	1.36	1930	<10	80	1.1	3	6.91	<0.5	47	7	48
G279494		3.79	1.705		0.7	0.76	1765	<10	60	0.8	2	7.6	<0.5	45	5	24
G279495		2.65	1.365		0.2	1.92	1155	<10	50	1.5	2	8.2	<0.5	41	5	28
G279496		3.02	1.330		0.8	0.80	854	<10	60	0.7	2	11.1	<0.5	43	9	42
G279497		1.85	3.38		0.7	0.51	1870	<10	50	0.6	<2	8.3	<0.5	48	1	23
G279498		4.30	0.146		<0.2	0.74	504	<10	80	<0.5	2	6.65	<0.5	39	4	27
G279499		4.48	1.250		0.8	0.38	930	<10	70	<0.5	<2	6.64	<0.5	41	1	31
G279500		0.08	2.07		0.3	2.06	10	<10	70	<0.5	<2	0.62	<0.5	8	29	622
G279501		4.50	1.180		0.4	0.53	1015	<10	50	0.6	<2	8.8	<0.5	42	1	13
G279502		2.33	0.596		<0.2	1.01	747	<10	100	0.7	<2	6.13	<0.5	41	5	29
G279503		3.92	0.662		0.3	0.94	646	<10	90	0.7	2	5.70	<0.5	43	6	64
G279504		2.83	0.096		1.2	0.38	165	<10	110	<0.5	<2	1.35	<0.5	7	7	67
G279505		1.37	2.38		0.9	0.55	537	<10	30	0.5	<2	1.73	<0.5	12	10	56
G279506		2.06	0.140		<0.2	0.52	116	<10	120	<0.5	<2	4.02	<0.5	41	7	66
G279507		2.52	0.112		<0.2	1.08	145	<10	150	<0.5	<2	4.03	<0.5	41	8	69
G279508		4.12	0.074		<0.2	0.49	78	<10	410	<0.5	<2	0.94	<0.5	12	9	59
G279509		4.65	0.009		<0.2	0.57	63	10	540	<0.5	<2	0.58	<0.5	11	10	56
G279510		0.73	<0.005		<0.2	0.02	<2	20	30	<0.5	<2	21.4	<0.5	<1	<1	<1
G279511		4.14	0.016		<0.2	0.56	65	<10	490	<0.5	<2	0.78	<0.5	12	10	66



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G279472		8.45	20	<1	0.01	<10	3.14	1675	<1	0.04	33	620	<2	0.03	<2	30
G279473		9.14	20	<1	0.02	<10	3.08	1700	<1	0.03	34	700	<2	0.09	<2	33
G279474		8.44	10	<1	0.03	<10	1.40	1805	<1	0.02	62	770	3	0.73	<2	35
G279475		8.44	10	<1	0.03	<10	1.30	1745	<1	0.02	49	770	<2	0.82	<2	34
G279476		11.55	20	<1	0.02	<10	3.97	1370	<1	0.03	30	700	<2	0.12	<2	36
G279477		9.95	10	<1	0.15	<10	3.18	1545	<1	0.02	25	610	4	3.71	9	28
G279478		7.68	<10	<1	0.17	<10	3.02	1675	<1	0.02	20	350	<2	5.90	14	24
G279479		1.75	<10	<1	<0.01	<10	0.23	444	<1	0.02	1	110	<2	0.95	<2	3
G279480		7.05	<10	2	0.27	<10	0.94	918	7	0.07	10	650	24	2.84	24	3
G279481		5.51	<10	<1	0.10	<10	0.94	918	<1	0.02	14	140	7	4.77	7	9
G279482		9.37	<10	<1	0.18	<10	1.81	1000	<1	0.02	27	290	13	>10.0	8	15
G279483		5.87	<10	<1	0.06	<10	0.31	453	<1	0.02	15	20	12	6.22	8	3
G279484		11.30	<10	<1	0.14	<10	1.17	703	<1	0.02	36	100	20	>10.0	16	11
G279485		4.07	<10	<1	0.09	<10	0.49	447	<1	0.01	11	50	2	3.77	2	5
G279486		1.08	<10	<1	0.01	<10	0.05	133	<1	<0.01	1	<10	<2	0.41	<2	<1
G279487		8.95	<10	<1	0.07	<10	0.48	386	<1	0.02	22	90	10	>10.0	16	4
G279488		17.0	<10	1	0.04	<10	0.48	276	<1	0.02	30	140	16	>10.0	22	4
G279489		24.5	<10	1	0.14	<10	0.05	61	<1	0.02	34	70	20	>10.0	32	1
G279490		0.10	<10	<1	<0.01	<10	13.55	395	<1	0.03	<1	40	<2	0.07	<2	<1
G279491		11.60	<10	<1	0.14	<10	1.64	1225	<1	0.02	36	330	9	>10.0	18	17
G279492		10.20	<10	<1	0.20	<10	3.21	1610	<1	0.03	34	540	6	6.67	4	30
G279493		10.85	<10	<1	0.20	<10	3.63	1795	<1	0.03	36	670	12	8.16	5	33
G279494		9.91	<10	<1	0.19	<10	3.18	1770	<1	0.02	32	640	10	8.18	4	28
G279495		11.40	<10	<1	0.11	<10	3.63	1740	<1	0.03	27	620	5	5.69	2	30
G279496		8.29	<10	<1	0.17	<10	3.46	2340	<1	0.03	42	410	6	4.80	3	23
G279497		12.05	<10	<1	0.24	<10	3.79	2170	<1	0.03	35	290	6	>10.0	5	27
G279498		8.72	<10	<1	0.21	<10	3.03	1775	<1	0.03	21	690	<2	1.63	<2	23
G279499		9.34	<10	<1	0.18	<10	3.15	1755	<1	0.03	24	490	2	6.61	2	24
G279500		4.27	10	<1	0.12	10	0.92	754	7	0.09	17	650	11	0.09	<2	5
G279501		9.27	<10	<1	0.28	<10	3.56	2050	<1	0.02	25	530	2	7.51	2	25
G279502		8.55	<10	<1	0.18	<10	3.21	1735	<1	0.03	32	480	2	4.66	3	24
G279503		8.46	<10	<1	0.29	<10	2.98	2080	<1	0.03	47	380	4	4.13	<2	22
G279504		2.53	<10	<1	0.19	10	0.67	268	<1	0.02	30	60	2	1.92	4	3
G279505		5.44	<10	<1	0.25	<10	0.87	406	<1	0.02	49	90	5	4.74	5	4
G279506		8.24	<10	<1	0.22	<10	3.41	1920	<1	0.03	26	860	<2	0.39	<2	24
G279507		11.60	<10	<1	0.26	<10	3.90	2530	<1	0.04	40	990	4	0.39	<2	25
G279508		4.19	<10	<1	0.29	20	1.19	462	<1	0.02	35	720	19	0.38	<2	3
G279509		3.17	<10	<1	0.34	20	1.00	240	<1	0.02	33	550	12	0.23	<2	3
G279510		0.04	<10	1	0.01	<10	12.95	450	<1	0.01	<1	50	3	0.01	<2	<1
G279511		3.27	<10	<1	0.30	20	1.02	286	<1	0.01	38	680	13	0.27	<2	3



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12202483**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G279472		106	<20	0.08	<10	<10	300	<10	98
G279473		115	<20	0.12	<10	<10	303	<10	104
G279474		65	<20	0.01	<10	<10	295	<10	125
G279475		60	<20	0.01	<10	<10	284	<10	117
G279476		95	<20	0.02	<10	<10	321	<10	102
G279477		154	<20	<0.01	<10	<10	88	<10	84
G279478		341	<20	<0.01	<10	<10	21	<10	27
G279479		36	<20	<0.01	<10	<10	6	<10	2
G279480		67	<20	0.04	<10	<10	43	<10	108
G279481		84	<20	<0.01	<10	<10	29	<10	11
G279482		141	<20	<0.01	<10	<10	23	<10	19
G279483		40	<20	<0.01	<10	<10	9	<10	<2
G279484		76	<20	<0.01	<10	<10	16	<10	16
G279485		46	<20	<0.01	<10	<10	9	<10	5
G279486		5	<20	<0.01	<10	<10	1	<10	<2
G279487		37	<20	<0.01	<10	<10	17	<10	<2
G279488		34	<20	<0.01	10	<10	10	<10	<2
G279489		12	<20	<0.01	10	<10	15	<10	<2
G279490		200	<20	<0.01	<10	<10	2	<10	14
G279491		105	<20	<0.01	10	<10	48	<10	18
G279492		236	<20	<0.01	<10	<10	74	<10	30
G279493		252	<20	<0.01	<10	<10	55	<10	36
G279494		229	<20	<0.01	<10	<10	33	<10	40
G279495		222	<20	<0.01	<10	<10	70	<10	60
G279496		219	<20	<0.01	<10	<10	53	<10	42
G279497		344	<20	<0.01	<10	<10	47	<10	38
G279498		168	<20	<0.01	<10	<10	36	<10	79
G279499		304	<20	<0.01	<10	<10	29	<10	44
G279500		29	<20	0.13	<10	<10	60	<10	81
G279501		358	<20	<0.01	<10	<10	36	<10	32
G279502		248	<20	<0.01	<10	<10	51	<10	70
G279503		264	<20	<0.01	<10	<10	47	<10	61
G279504		62	<20	<0.01	<10	<10	18	<10	53
G279505		79	<20	<0.01	<10	<10	30	<10	43
G279506		80	<20	<0.01	<10	<10	43	<10	95
G279507		87	<20	<0.01	<10	<10	51	<10	94
G279508		26	<20	<0.01	<10	<10	15	<10	100
G279509		18	<20	<0.01	<10	<10	15	<10	102
G279510		159	<20	<0.01	<10	<10	2	<10	23
G279511		24	<20	<0.01	<10	<10	17	<10	113



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**CERTIFICATE OF ANALYSIS TR12202483**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G279512		3.94	0.018		<0.2	0.34	39	<10	250	<0.5	<2	0.82	<0.5	7	8	72
G279513		4.74	0.032		<0.2	0.21	18	<10	170	<0.5	<2	0.47	<0.5	5	12	60
G279514		3.25	0.015		<0.2	0.26	23	<10	260	<0.5	<2	0.32	<0.5	7	7	68
G279515		2.11	<0.005		<0.2	0.49	28	<10	400	<0.5	<2	0.84	<0.5	7	6	78
G279516		3.86	<0.005		<0.2	4.10	19	<10	80	<0.5	<2	4.22	0.5	43	23	65
G279517		4.21	<0.005		<0.2	4.28	5	<10	40	<0.5	<2	4.08	<0.5	38	27	94
G279518		4.30	0.005		<0.2	1.99	<2	<10	380	<0.5	<2	0.68	<0.5	15	42	54
G279519		4.34	<0.005		<0.2	4.74	13	<10	30	<0.5	<2	4.50	<0.5	40	33	84
G279520		0.07	3.52		3.9	1.41	264	<10	310	<0.5	<2	1.27	1.6	9	54	75
G279521		4.57	<0.005		<0.2	3.61	5	<10	340	<0.5	<2	5.14	0.5	44	70	82
G279522		5.20	<0.005		<0.2	2.86	4	<10	300	<0.5	<2	5.21	<0.5	36	41	63
G279523		4.87	<0.005		<0.2	3.10	<2	<10	250	<0.5	<2	2.92	<0.5	34	32	61
G279524		4.96	<0.005		<0.2	2.63	<2	<10	110	<0.5	<2	3.02	<0.5	25	33	88
G279525			<0.005		<0.2	2.69	<2	<10	100	<0.5	<2	3.03	<0.5	26	33	86



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**CERTIFICATE OF ANALYSIS TR12202483**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G279512		2.34	<10	1	0.16	10	0.77	252	<1	0.01	24	450	13	0.45	<2	2
G279513		1.63	<10	<1	0.12	10	0.41	207	<1	<0.01	13	480	5	0.28	<2	1
G279514		1.91	<10	<1	0.17	10	0.58	225	<1	<0.01	19	250	9	0.41	<2	1
G279515		3.78	<10	<1	0.27	20	1.26	566	<1	<0.01	21	350	13	0.16	<2	3
G279516		9.17	20	<1	0.07	<10	4.01	1570	<1	0.02	31	740	5	0.12	<2	29
G279517		8.86	20	<1	0.02	<10	3.43	1625	<1	0.02	30	740	5	0.28	<2	30
G279518		3.74	10	<1	0.25	20	1.37	509	<1	0.02	50	820	15	0.14	<2	3
G279519		9.32	20	1	0.01	<10	4.15	1875	<1	0.02	33	750	4	0.06	<2	31
G279520		3.29	<10	6	0.14	10	0.81	439	11	0.06	37	770	309	0.62	23	4
G279521		8.06	20	1	0.04	<10	3.09	1620	<1	0.06	40	680	2	0.10	<2	25
G279522		6.50	10	<1	0.04	<10	2.20	1565	<1	0.09	34	770	<2	0.02	<2	11
G279523		7.09	10	<1	0.05	<10	2.30	1370	<1	0.07	34	820	<2	0.01	<2	9
G279524		5.42	10	<1	0.07	<10	1.78	936	<1	0.06	24	730	<2	0.01	<2	5
G279525		5.45	10	1	0.06	<10	1.78	934	<1	0.05	23	730	<2	0.01	<2	5



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**CERTIFICATE OF ANALYSIS TR12202483**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G279512		25	<20	<0.01	<10	<10	13	<10	77
G279513		14	<20	<0.01	<10	<10	11	<10	37
G279514		8	<20	<0.01	<10	<10	8	<10	54
G279515		19	<20	<0.01	<10	<10	13	<10	85
G279516		74	<20	0.03	<10	<10	267	<10	121
G279517		73	<20	0.05	<10	<10	311	<10	110
G279518		12	<20	0.02	<10	<10	51	<10	124
G279519		92	<20	0.23	<10	<10	374	<10	128
G279520		35	<20	0.09	<10	<10	59	<10	272
G279521		63	<20	0.69	<10	<10	303	<10	94
G279522		53	<20	0.83	<10	<10	229	<10	77
G279523		29	<20	0.72	<10	<10	217	<10	91
G279524		24	<20	0.74	<10	<10	175	<10	71
G279525		24	<20	0.72	<10	<10	172	<10	70



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**CERTIFICATE OF ANALYSIS TR12202483**

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.





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**CERTIFICATE TR12202484**

Project: CMV12-01  
 P.O. No.: CMV12-01\_52  
 This report is for 63 Drill Core samples submitted to our lab in Terrace, BC, Canada on 28-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12202484**

Sample Description	Method	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G279526		1.84	0.954		<0.2	0.51	923	<10	80	<0.5	<2	8.2	<0.5	39	3	17
G279527		4.54	0.468		<0.2	0.57	441	<10	40	<0.5	<2	7.2	<0.5	38	16	21
G279528		1.66	1.130		0.3	0.38	1180	<10	70	<0.5	<2	8.2	<0.5	46	8	17
G279529		2.72	0.073		<0.2	1.68	175	<10	50	<0.5	2	5.55	<0.5	35	42	64
G279530		0.77	<0.005		<0.2	0.02	6	10	40	<0.5	<2	19.5	<0.5	<1	<1	<1
G279531		4.51	0.100		<0.2	2.09	107	<10	30	<0.5	<2	5.74	<0.5	35	68	62
G279532		3.89	0.227		<0.2	1.27	282	<10	50	0.5	<2	7.4	<0.5	34	29	67
G279533		3.04	<0.005		<0.2	3.19	29	<10	30	<0.5	<2	3.98	<0.5	37	78	80
G279534		3.93	0.048		<0.2	3.22	178	<10	30	<0.5	<2	6.7	<0.5	38	60	63
G279535		3.01	<0.005		<0.2	3.06	10	<10	20	<0.5	<2	3.57	<0.5	33	56	74
G279536		3.12	<0.005		<0.2	3.48	30	<10	20	0.5	<2	6.9	<0.5	35	52	66
G279537		1.68	0.426		<0.2	2.08	226	<10	80	0.8	<2	7.0	<0.5	39	25	84
G279538		2.92	0.022		<0.2	3.59	61	<10	40	0.5	2	7.16	<0.5	39	74	75
G279539		0.53	0.009		<0.2	4.36	27	<10	340	1.0	<2	4.86	<0.5	37	20	54
G279540		0.08	9.69	10.25	0.5	1.46	3870	<10	60	0.5	2	0.79	<0.5	15	68	67
G279541		4.25	<0.005		<0.2	3.47	10	<10	20	<0.5	<2	3.74	<0.5	38	53	72
G279542		3.04	0.056		<0.2	3.02	214	<10	30	0.5	<2	6.35	<0.5	36	43	61
G279543		3.60	0.166		<0.2	2.35	170	<10	50	0.8	<2	8.9	<0.5	39	30	74
G279544		4.13	0.013		<0.2	2.94	27	<10	30	0.5	2	5.46	<0.5	34	44	77
G279545		3.99	<0.005		<0.2	2.98	2	<10	20	<0.5	<2	3.89	<0.5	37	50	98
G279546		1.86	<0.005		<0.2	3.54	16	<10	20	<0.5	<2	6.50	<0.5	38	45	67
G279547		1.77	0.062		<0.2	3.67	260	<10	20	<0.5	<2	9.8	<0.5	36	39	50
G279548		4.45	0.012		<0.2	3.59	34	<10	30	0.5	<2	6.20	<0.5	43	48	78
G279549		4.79	<0.005		<0.2	2.94	9	<10	20	<0.5	<2	4.17	<0.5	32	47	71
G279550		0.62	<0.005		<0.2	0.02	3	10	180	<0.5	<2	20.0	<0.5	<1	<1	<1
G279551		4.27	0.024		<0.2	3.42	155	<10	20	<0.5	<2	5.27	<0.5	38	49	83
G279552		3.28	<0.005		<0.2	3.14	3	<10	20	<0.5	2	4.10	<0.5	33	50	68
G279553		2.64	<0.005		<0.2	2.57	7	<10	10	<0.5	<2	3.69	<0.5	33	38	99
G279554		0.87	0.456		<0.2	2.31	445	<10	40	0.7	<2	9.3	<0.5	37	25	52
G279555		4.57	<0.005		<0.2	3.09	<2	<10	10	<0.5	2	3.00	<0.5	36	49	78
G279556		4.18	<0.005		<0.2	2.50	4	<10	10	<0.5	<2	2.55	<0.5	32	41	73
G279557		1.52	<0.005		<0.2	0.79	4	<10	40	<0.5	<2	6.60	<0.5	7	12	25
G279558		3.93	<0.005		<0.2	2.54	<2	<10	10	<0.5	<2	2.42	<0.5	35	43	92
G279559		1.70	<0.005		<0.2	2.30	4	<10	10	<0.5	<2	2.17	<0.5	32	42	83
G279560		0.07	9.88	9.92	0.6	1.46	3910	<10	60	<0.5	2	0.78	<0.5	15	67	65
G279561		0.80	<0.005		<0.2	2.44	2	<10	10	<0.5	<2	2.48	<0.5	32	40	78
G279562		4.11	<0.005		<0.2	2.46	3	<10	10	<0.5	<2	2.46	<0.5	30	42	77
G279563		1.62	<0.005		<0.2	2.31	4	<10	20	<0.5	<2	3.37	<0.5	30	40	79
G279564		4.46	<0.005		<0.2	3.39	8	<10	320	0.7	<2	3.67	<0.5	35	26	66
G279565		2.15	<0.005		<0.2	3.01	8	<10	260	0.7	<2	3.36	<0.5	33	27	69



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**CERTIFICATE OF ANALYSIS TR12202484**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G279526		8.53	<10	<1	0.24	<10	3.44	1680	<1	0.02	30	1020	2	4.43	3	28
G279527		6.67	<10	<1	0.16	<10	3.52	1465	<1	0.02	45	660	<2	1.28	2	26
G279528		9.46	<10	<1	0.24	<10	3.72	1510	<1	0.01	50	490	3	7.71	4	25
G279529		7.83	10	<1	0.13	<10	3.07	1310	<1	0.02	43	700	<2	0.28	3	20
G279530		0.05	<10	<1	0.01	<10	12.65	403	<1	0.01	<1	40	3	<0.01	<2	<1
G279531		7.44	10	<1	0.08	<10	3.54	1510	1	0.02	42	580	3	0.20	<2	28
G279532		6.98	<10	<1	0.13	<10	3.40	1480	<1	0.02	34	500	4	0.36	2	27
G279533		6.45	10	<1	0.01	<10	2.30	1110	1	0.04	43	590	4	0.15	2	17
G279534		7.60	10	1	0.07	<10	3.42	1360	<1	0.02	39	580	3	0.18	<2	30
G279535		5.97	10	<1	0.02	<10	2.07	971	1	0.04	31	660	3	0.13	<2	12
G279536		7.31	10	<1	0.04	<10	2.64	1450	<1	0.03	34	610	3	0.08	<2	21
G279537		6.73	10	<1	0.17	<10	3.07	1470	1	0.03	32	890	2	0.60	2	28
G279538		7.59	10	<1	0.07	<10	2.76	1470	1	0.04	41	670	3	0.16	<2	26
G279539		8.10	10	1	0.60	30	3.04	972	2	0.07	39	2320	5	0.15	<2	14
G279540		3.54	10	<1	0.16	10	0.87	383	7	0.06	62	480	7	0.89	35	4
G279541		7.31	10	<1	0.02	<10	3.04	1150	1	0.06	34	700	2	0.13	<2	20
G279542		7.52	10	<1	0.07	<10	2.86	1490	1	0.03	31	590	3	0.13	<2	28
G279543		7.38	10	1	0.13	<10	2.97	1780	<1	0.03	34	640	<2	0.24	<2	31
G279544		6.37	10	<1	0.05	<10	2.32	1180	1	0.04	31	720	2	0.14	<2	14
G279545		6.38	10	<1	0.02	<10	2.39	1150	1	0.04	34	640	3	0.14	<2	14
G279546		8.07	10	<1	0.02	<10	2.89	1470	<1	0.03	33	620	5	0.17	<2	20
G279547		7.49	10	<1	0.03	<10	3.24	1680	1	0.02	30	640	4	0.09	<2	27
G279548		7.87	10	<1	0.09	<10	2.89	1510	<1	0.04	36	640	<2	0.08	<2	24
G279549		6.02	10	<1	0.05	<10	2.23	1100	1	0.05	28	640	<2	0.04	<2	14
G279550		0.05	<10	<1	0.01	<10	12.75	424	<1	0.01	<1	40	<2	<0.01	<2	<1
G279551		7.38	10	1	0.08	<10	2.96	1390	<1	0.04	33	640	<2	0.08	2	22
G279552		6.32	10	<1	0.05	<10	2.23	1130	1	0.06	30	700	3	0.05	<2	15
G279553		5.78	10	<1	0.03	<10	2.39	776	1	0.07	26	610	<2	0.19	<2	13
G279554		6.67	10	<1	0.15	<10	1.87	1770	1	0.03	27	440	4	1.99	2	22
G279555		6.52	10	1	0.03	<10	2.55	1120	1	0.07	32	690	<2	0.12	<2	13
G279556		5.28	10	<1	0.03	<10	2.00	936	1	0.06	30	640	<2	0.17	<2	8
G279557		2.29	<10	<1	0.02	<10	0.60	793	<1	0.02	7	340	<2	0.17	<2	2
G279558		5.38	10	<1	0.02	<10	1.96	877	<1	0.06	29	660	<2	0.19	<2	8
G279559		4.84	10	<1	0.02	<10	1.83	837	1	0.06	29	630	2	0.18	<2	8
G279560		3.49	10	<1	0.16	10	0.87	376	7	0.06	60	480	8	0.88	34	4
G279561		4.98	10	<1	0.02	<10	1.90	810	1	0.09	30	640	2	0.18	<2	11
G279562		5.33	10	<1	0.02	<10	2.05	938	1	0.07	28	640	<2	0.11	<2	8
G279563		4.77	10	1	0.03	<10	1.84	991	<1	0.11	29	650	2	0.12	<2	10
G279564		6.42	10	<1	0.67	30	2.80	1140	2	0.22	38	2010	3	0.15	<2	10
G279565		5.98	10	<1	0.59	20	2.52	1130	1	0.19	36	1770	3	0.20	2	10



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12202484**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G279526		256	<20	<0.01	<10	<10	37	<10	44
G279527		168	<20	<0.01	<10	<10	35	<10	36
G279528		258	<20	<0.01	<10	<10	30	<10	35
G279529		78	<20	<0.01	<10	<10	93	<10	83
G279530		180	<20	<0.01	<10	<10	1	<10	9
G279531		97	<20	0.01	<10	<10	166	<10	90
G279532		126	<20	<0.01	<10	<10	105	<10	59
G279533		44	<20	0.49	<10	<10	200	<10	72
G279534		122	<20	0.01	<10	<10	211	<10	84
G279535		31	<20	0.77	<10	<10	221	<10	70
G279536		63	<20	0.59	<10	<10	247	<10	83
G279537		146	<20	0.01	<10	<10	138	<10	60
G279538		99	<20	0.25	<10	<10	236	<10	88
G279539		216	<20	0.24	<10	<10	185	<10	84
G279540		37	<20	0.10	<10	<10	50	40	52
G279541		64	<20	0.78	<10	<10	248	<10	84
G279542		54	<20	0.17	<10	<10	240	<10	85
G279543		125	<20	0.01	<10	<10	189	<10	58
G279544		81	<20	0.59	<10	<10	197	<10	74
G279545		64	<20	0.81	<10	<10	218	<10	76
G279546		81	<20	0.02	<10	<10	273	<10	96
G279547		140	<20	0.01	<10	<10	255	<10	81
G279548		95	<20	0.25	<10	<10	245	<10	94
G279549		43	<20	0.67	<10	<10	210	<10	72
G279550		200	<20	<0.01	<10	<10	2	<10	9
G279551		57	<20	0.50	<10	<10	253	<10	85
G279552		55	<20	0.81	<10	<10	223	<10	78
G279553		73	<20	0.77	<10	<10	185	<10	64
G279554		54	<20	0.22	<10	<10	142	<10	67
G279555		37	<20	0.94	<10	<10	230	<10	77
G279556		34	<20	0.83	<10	<10	164	<10	64
G279557		21	<20	0.16	<10	<10	46	<10	20
G279558		35	<20	0.89	<10	<10	167	<10	64
G279559		32	<20	0.87	<10	<10	154	<10	58
G279560		37	<20	0.10	<10	<10	49	40	51
G279561		50	<20	0.92	<10	<10	167	<10	57
G279562		35	<20	0.87	<10	<10	175	<10	66
G279563		70	<20	0.65	<10	<10	161	<10	58
G279564		204	<20	0.46	<10	<10	175	<10	75
G279565		129	<20	0.50	<10	<10	170	<10	74



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**CERTIFICATE OF ANALYSIS TR12202484**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
G279566		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G279567		4.94	<0.005		<0.2	3.21	3	<10	110	<0.5	<2	3.98	<0.5	39	45	83
G279568		2.15	0.406		<0.2	1.98	244	<10	40	0.8	<2	7.9	0.6	36	22	126
G279569		2.92	0.052		<0.2	2.10	64	<10	30	0.9	<2	6.94	<0.5	39	17	51
G279570		4.85	<0.005		<0.2	3.58	2	<10	120	0.6	<2	3.74	<0.5	45	24	57
G279571		0.63	<0.005		<0.2	0.02	<2	20	40	<0.5	<2	18.9	<0.5	<1	<1	<1
G279572		4.01	0.014		<0.2	3.23	25	<10	80	0.6	<2	3.72	<0.5	42	17	73
G279573		2.80	<0.005		<0.2	3.85	4	<10	130	0.6	<2	2.74	<0.5	51	23	55
G279574		2.94	<0.005		<0.2	3.52	<2	<10	70	0.5	<2	4.31	<0.5	45	41	169
G279575		1.82	0.039		<0.2	2.03	46	<10	40	0.6	<2	5.96	<0.5	35	25	82
G279576		1.98	0.041		<0.2	2.23	46	<10	30	0.6	<2	5.37	<0.5	38	30	85
G279577		4.61	<0.005		<0.2	3.15	<2	<10	110	<0.5	<2	4.23	<0.5	38	45	60
G279578		5.03	<0.005		<0.2	3.08	3	<10	90	<0.5	<2	4.86	<0.5	40	42	64
G279579		4.07	<0.005		<0.2	3.05	5	<10	110	<0.5	<2	4.23	<0.5	40	42	89
G279580		5.12	<0.005		<0.2	2.46	7	<10	20	<0.5	<2	1.81	<0.5	32	46	74
G279581		0.07	0.765		2.2	0.69	27	<10	90	<0.5	7	1.89	0.8	8	32	7190
G279582		5.00	<0.005		<0.2	2.42	<2	<10	20	<0.5	<2	2.35	<0.5	30	45	71
G279583		5.32	<0.005		<0.2	2.58	5	<10	30	<0.5	<2	2.28	<0.5	32	43	72
G279584		4.65	0.471		<0.2	1.22	318	<10	40	0.9	<2	8.1	<0.5	36	25	52
G279585		4.66	<0.005		<0.2	2.62	11	<10	50	<0.5	<2	2.65	<0.5	33	48	65
G279586		4.72	<0.005		<0.2	2.48	13	<10	110	<0.5	<2	3.50	<0.5	32	44	70
G279587		4.84	<0.005		<0.2	2.47	22	<10	90	<0.5	<2	2.46	<0.5	33	42	71
G279588		4.17	<0.005		<0.2	3.13	22	<10	60	<0.5	<2	3.03	<0.5	36	53	67
G279589		4.47	<0.005		<0.2	3.94	31	10	20	0.5	<2	4.05	<0.5	42	55	62



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**CERTIFICATE OF ANALYSIS TR12202484**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G279566		8.24	10	<1	0.17	<10	2.70	1300	<1	0.12	39	740	3	<0.01	<2	18
G279567		8.97	10	<1	0.18	<10	2.51	1665	<1	0.05	32	570	2	0.81	<2	28
G279568		8.41	10	<1	0.18	<10	2.40	1660	<1	0.04	31	790	<2	0.16	2	31
G279569		10.85	20	<1	0.21	<10	3.06	1585	<1	0.12	33	970	3	<0.01	<2	30
G279570		0.04	<10	<1	<0.01	<10	11.15	373	<1	0.01	<1	30	3	<0.01	<2	<1
G279571		10.30	10	<1	0.27	<10	2.38	1455	<1	0.09	28	910	<2	0.36	<2	27
G279572		11.35	10	<1	0.24	<10	2.85	1305	<1	0.14	39	960	2	0.01	<2	27
G279573		9.73	10	<1	0.14	<10	3.09	1400	<1	0.09	35	750	<2	0.02	<2	25
G279574		7.80	10	<1	0.24	<10	2.57	1345	<1	0.04	26	660	<2	0.15	<2	27
G279575		7.92	10	<1	0.20	<10	2.64	1265	<1	0.05	27	690	3	0.15	2	28
G279576		8.56	10	<1	0.18	<10	2.67	1300	<1	0.13	30	770	<2	<0.01	<2	23
G279577		8.41	10	<1	0.19	<10	2.69	1380	<1	0.12	30	730	<2	<0.01	<2	19
G279578		8.74	10	<1	0.24	<10	2.62	1325	<1	0.13	31	670	<2	0.01	<2	22
G279579		5.30	10	<1	0.09	<10	1.65	891	<1	0.07	28	740	<2	0.23	<2	6
G279580		6.66	<10	2	0.30	<10	0.87	901	7	0.05	15	630	23	2.73	26	3
G279581		5.28	10	<1	0.08	<10	1.65	922	<1	0.07	29	720	<2	0.15	<2	6
G279582		5.74	10	<1	0.10	<10	1.82	943	<1	0.09	29	740	<2	0.19	<2	9
G279583		7.73	10	<1	0.20	<10	2.68	1365	<1	0.04	31	570	3	1.31	2	28
G279584		6.27	10	<1	0.09	<10	1.97	1065	<1	0.08	30	730	<2	0.13	<2	13
G279585		6.04	10	<1	0.12	<10	1.92	1185	<1	0.12	30	730	<2	0.12	<2	9
G279586		5.99	10	<1	0.10	<10	1.83	1105	<1	0.12	28	750	<2	0.15	<2	8
G279587		7.30	10	<1	0.10	<10	2.36	1250	<1	0.10	31	780	<2	0.01	3	9
G279588		8.90	10	<1	0.06	<10	3.22	1350	<1	0.06	37	780	<2	0.01	<2	24



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**CERTIFICATE OF ANALYSIS TR12202484**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G279566		49	<20	0.79	<10	<10	272	<10	108
G279567		144	<20	0.03	<10	<10	153	<10	110
G279568		118	<20	0.01	<10	<10	177	<10	97
G279569		62	<20	0.15	<10	<10	315	<10	135
G279570		179	<20	<0.01	<10	<10	2	<10	10
G279571		74	<20	0.10	<10	<10	262	<10	125
G279572		67	<20	0.09	<10	<10	308	<10	142
G279573		60	<20	0.23	<10	<10	275	<10	122
G279574		87	<20	0.01	<10	<10	158	<10	89
G279575		78	<20	0.01	<10	<10	169	<10	106
G279576		49	<20	0.63	<10	<10	268	<10	107
G279577		53	<20	0.73	<10	<10	237	<10	106
G279578		67	<20	0.58	<10	<10	235	<10	108
G279579		27	<20	0.86	<10	<10	164	<10	62
G279580		66	<20	0.04	<10	<10	43	<10	105
G279581		25	<20	0.81	<10	<10	164	<10	62
G279582		32	<20	0.72	<10	<10	179	<10	63
G279583		129	<20	0.01	<10	<10	142	<10	52
G279584		48	<20	0.56	<10	<10	194	<10	69
G279585		39	<20	0.58	<10	<10	170	<10	66
G279586		34	<20	0.71	<10	<10	181	<10	66
G279587		32	<20	0.86	<10	<10	245	<10	82
G279588		43	<20	0.64	<10	<10	286	<10	101



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**CERTIFICATE TR12208568**

Project: CMV12-01  
 P.O. No.: CMV12-01\_53  
 This report is for 58 Drill Core samples submitted to our lab in Terrace, BC, Canada on 11-SEP-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
BAG-01	Bulk Master for Storage
LOG-22d	Sample login - Rcd w/o BarCode dup

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager





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Sample Description	Method	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
H137251		4.55	0.013		0.2	2.25	168	<10	20	<0.5	<2	5.86	<0.5	37	81	65
H137252		5.32	<0.005		<0.2	2.69	62	<10	20	<0.5	<2	5.87	<0.5	33	91	46
H137253		3.90	<0.005		<0.2	3.94	20	<10	10	<0.5	<2	6.36	<0.5	36	153	61
H137254		3.43	<0.005		<0.2	4.09	4	<10	10	<0.5	<2	5.69	<0.5	38	157	56
H137255		3.68	<0.005		<0.2	3.97	3	<10	<10	<0.5	<2	5.31	<0.5	39	166	58
H137256		1.63	<0.005		<0.2	3.66	4	<10	20	<0.5	<2	3.46	<0.5	32	155	66
H137257		0.84	0.027		<0.2	2.35	77	<10	20	0.5	<2	5.13	<0.5	40	76	51
H137258		1.34	1.605		0.4	0.71	838	<10	40	<0.5	<2	6.33	<0.5	36	10	39
H137259		1.31	0.522		<0.2	1.20	351	<10	30	<0.5	<2	6.02	<0.5	38	9	55
H137260		1.79	1.535		1.0	0.66	979	<10	50	0.5	<2	6.17	<0.5	39	8	56
H137261		1.10	2.81		0.6	0.29	1520	<10	50	0.5	<2	8.5	<0.5	43	3	22
H137262		1.32	2.54		0.4	0.47	1600	<10	60	0.6	<2	8.0	<0.5	41	11	19
H137263		0.60	0.033		<0.2	1.53	71	<10	20	<0.5	<2	5.76	<0.5	37	16	80
H137264		1.88	1.700		0.2	1.03	787	<10	50	<0.5	<2	6.20	<0.5	40	11	56
H137265		0.86	2.40		0.6	0.85	1510	<10	50	0.7	<2	5.90	<0.5	36	11	33
H137266		4.77	<0.005		<0.2	3.31	4	<10	10	0.5	<2	2.62	<0.5	34	100	71
H137267		1.22	<0.005		<0.2	3.37	5	<10	20	0.5	<2	2.78	<0.5	37	41	66
H137268		1.67	4.45		2.0	0.91	2670	<10	20	1.8	<2	5.96	<0.5	55	9	55
H137269		0.70	5.87	6.08	2.5	0.49	3710	<10	20	2.5	<2	6.16	<0.5	53	8	30
H137270		4.03	<0.005		<0.2	3.07	7	<10	10	<0.5	<2	2.38	<0.5	32	53	71
H137271		4.55	<0.005		<0.2	2.86	2	<10	10	<0.5	<2	2.51	<0.5	29	51	78
H137272		1.03	<0.005		<0.2	2.77	3	<10	20	<0.5	<2	4.26	<0.5	28	42	70
H137273		4.32	<0.005		<0.2	3.87	22	<10	10	<0.5	<2	5.88	<0.5	36	60	91
H137274		0.62	<0.005		<0.2	0.02	<2	10	30	<0.5	2	20.5	<0.5	1	<1	<1
H137275		5.66	<0.005		<0.2	3.18	<2	<10	10	<0.5	<2	3.62	<0.5	34	66	76
H137276		2.07	<0.005		<0.2	3.12	<2	<10	10	<0.5	<2	2.76	<0.5	28	64	63
H137277		3.26	<0.005		<0.2	3.37	<2	<10	10	<0.5	<2	3.91	<0.5	36	64	77
H137278		1.25	1.345		0.8	1.01	1095	<10	50	0.5	<2	6.24	<0.5	38	18	27
H137279		0.06	0.731		2.2	0.66	25	<10	70	<0.5	9	1.88	0.5	7	31	7040
H137280		0.83	2.48		<0.2	0.44	1495	<10	70	0.7	<2	6.80	<0.5	42	4	7
H137281		1.32	0.920		1.0	2.15	735	<10	40	0.7	<2	5.52	<0.5	40	31	47
H137282		0.94	0.367		<0.2	0.45	113	<10	50	0.6	<2	6.02	0.6	36	9	46
H137283		1.36	4.47		0.8	0.50	3250	<10	30	2.2	<2	5.69	<0.5	50	5	22
H137284		2.11	6.23	6.46	0.9	0.62	3910	<10	20	1.8	<2	4.73	<0.5	63	5	21
H137285		0.07	3.53		3.8	1.51	271	<10	360	<0.5	<2	1.32	1.4	9	53	74
H137286		3.50	0.007		<0.2	2.97	11	<10	20	<0.5	<2	2.72	<0.5	31	37	74
H137287		5.10	0.010		<0.2	3.13	6	<10	10	<0.5	<2	2.89	<0.5	29	37	75
H137288		5.19	<0.005		<0.2	3.12	3	<10	10	<0.5	<2	2.54	<0.5	30	36	79
H137289		4.38	<0.005		<0.2	2.73	4	<10	10	<0.5	2	2.62	<0.5	28	28	73
H137290			<0.005		<0.2	2.65	<2	<10	10	<0.5	<2	2.71	<0.5	27	28	74



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	
Units		%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	
LOR		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	
H137251		7.85	10	<1	0.11	<10	2.97	1320	<1	0.03	47	690	<2	0.11	<2	22
H137252		7.51	10	<1	0.08	<10	2.87	1200	<1	0.03	46	580	<2	0.13	<2	23
H137253		7.63	10	<1	<0.01	<10	3.10	1240	<1	0.03	50	700	<2	0.03	<2	31
H137254		8.18	20	<1	0.01	<10	3.32	1355	<1	0.03	55	690	<2	0.08	<2	31
H137255		8.18	20	<1	<0.01	<10	3.31	1400	<1	0.03	55	740	<2	0.14	<2	28
H137256		6.78	10	<1	0.04	<10	2.50	988	<1	0.04	51	810	<2	0.06	<2	14
H137257		8.62	10	<1	0.10	<10	3.09	1505	<1	0.03	46	660	<2	0.26	<2	27
H137258		7.22	<10	<1	0.18	<10	3.20	1400	<1	0.02	38	430	<2	4.16	<2	22
H137259		8.27	<10	<1	0.11	<10	2.94	1395	<1	0.04	35	750	<2	1.82	<2	24
H137260		8.32	<10	<1	0.18	<10	3.01	1480	<1	0.04	41	820	<2	4.42	2	26
H137261		9.05	<10	<1	0.18	<10	3.90	1770	<1	0.02	33	670	3	8.06	<2	29
H137262		8.63	<10	<1	0.22	<10	3.77	1915	<1	0.03	46	1290	3	7.89	<2	25
H137263		8.93	10	<1	0.09	<10	2.80	1295	<1	0.06	28	970	<2	0.37	<2	27
H137264		9.23	<10	<1	0.18	<10	3.04	1550	<1	0.03	28	920	<2	3.16	<2	26
H137265		9.05	<10	<1	0.18	<10	2.84	1430	<1	0.02	34	930	8	5.46	<2	24
H137266		6.50	10	<1	0.01	<10	2.50	1055	<1	0.05	50	580	<2	0.14	<2	16
H137267		7.80	10	<1	0.02	<10	2.45	1205	<1	0.04	29	1080	<2	0.38	<2	15
H137268		11.70	<10	<1	0.27	<10	2.69	1420	<1	0.02	45	630	19	>10.0	11	28
H137269		10.70	<10	<1	0.30	<10	3.18	1585	<1	0.01	58	530	29	>10.0	10	33
H137270		5.60	10	<1	0.01	<10	2.12	853	<1	0.05	33	660	<2	0.15	<2	12
H137271		4.96	10	<1	0.03	<10	1.64	766	<1	0.05	34	610	<2	0.15	<2	8
H137272		5.46	10	<1	0.01	<10	1.69	960	<1	0.05	28	640	<2	0.07	<2	12
H137273		7.67	10	1	0.02	<10	3.08	1335	<1	0.02	35	610	<2	0.04	2	29
H137274		0.05	<10	<1	<0.01	<10	12.40	469	<1	0.01	<1	40	<2	<0.01	<2	<1
H137275		6.05	10	<1	0.01	<10	2.63	1015	<1	0.05	35	630	<2	0.14	2	18
H137276		5.42	10	1	0.02	<10	2.01	902	<1	0.05	31	610	<2	0.08	<2	10
H137277		6.40	10	<1	0.01	<10	2.63	1180	<1	0.03	37	610	<2	0.13	<2	15
H137278		7.97	<10	<1	0.22	<10	3.52	1470	<1	0.01	34	290	2	6.06	9	28
H137279		6.43	<10	3	0.29	<10	0.88	902	7	0.04	12	610	20	2.59	25	3
H137280		7.07	<10	1	0.29	<10	3.88	1565	<1	0.01	32	60	<2	6.25	3	29
H137281		8.50	10	<1	0.16	<10	3.27	1380	<1	0.01	37	520	<2	3.35	6	26
H137282		7.20	<10	1	0.22	<10	3.06	1370	<1	0.01	28	520	<2	0.42	2	26
H137283		9.52	<10	1	0.36	<10	2.73	1285	<1	<0.01	43	300	8	>10.0	5	25
H137284		12.15	<10	1	0.41	<10	2.29	1090	<1	0.01	70	160	11	>10.0	5	22
H137285		3.28	<10	5	0.15	10	0.82	441	11	0.06	37	760	291	0.64	25	4
H137286		5.65	10	<1	0.04	<10	1.93	933	<1	0.04	28	630	<2	0.15	<2	9
H137287		5.40	10	1	0.02	<10	1.86	894	<1	0.05	27	650	<2	0.10	<2	7
H137288		5.55	10	<1	0.02	<10	1.82	915	<1	0.04	28	690	<2	0.13	2	6
H137289		4.94	10	<1	0.01	<10	1.49	801	<1	0.04	23	650	<2	0.17	2	5
H137290		4.75	10	<1	0.02	<10	1.44	783	<1	0.04	24	620	<2	0.15	<2	5



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
H137251		60	<20	0.01	<10	<10	141	<10	92
H137252		73	<20	0.03	<10	<10	185	<10	87
H137253		41	<20	0.26	<10	<10	323	<10	91
H137254		46	<20	0.56	<10	<10	320	<10	97
H137255		68	<20	0.18	<10	<10	327	<10	94
H137256		41	<20	0.66	<10	<10	237	<10	78
H137257		66	<20	<0.01	<10	<10	125	<10	87
H137258		182	<20	<0.01	<10	<10	24	<10	44
H137259		109	<20	<0.01	<10	<10	31	<10	75
H137260		177	<20	<0.01	<10	<10	35	<10	62
H137261		311	<20	<0.01	<10	<10	29	<10	28
H137262		236	<20	<0.01	<10	<10	34	<10	26
H137263		47	<20	<0.01	<10	<10	103	<10	115
H137264		170	<20	<0.01	<10	<10	75	<10	76
H137265		152	<20	<0.01	<10	<10	62	<10	63
H137266		49	<20	0.63	<10	<10	226	<10	81
H137267		28	<20	0.76	<10	<10	283	<10	95
H137268		193	<20	<0.01	<10	<10	66	<10	46
H137269		264	<20	<0.01	<10	<10	35	<10	29
H137270		28	<20	0.76	<10	<10	202	<10	64
H137271		25	<20	0.60	<10	<10	170	<10	58
H137272		34	<20	0.75	<10	<10	206	<10	60
H137273		65	<20	0.14	<10	<10	295	<10	87
H137274		171	<20	<0.01	<10	<10	3	<10	11
H137275		50	<20	0.77	<10	<10	229	<10	65
H137276		22	<20	0.74	<10	<10	205	<10	60
H137277		27	<20	0.68	<10	<10	231	<10	69
H137278		214	<20	0.05	<10	<10	67	<10	44
H137279		66	<20	0.04	<10	<10	41	<10	100
H137280		334	<20	<0.01	<10	<10	27	<10	23
H137281		145	<20	0.01	<10	<10	152	<10	70
H137282		154	<20	<0.01	<10	<10	35	<10	347
H137283		228	<20	<0.01	<10	<10	32	<10	28
H137284		195	<20	<0.01	<10	<10	36	<10	22
H137285		37	<20	0.10	<10	<10	60	<10	264
H137286		29	<20	0.72	<10	<10	185	<10	61
H137287		20	<20	0.78	<10	<10	200	<10	58
H137288		17	<20	0.78	<10	<10	203	<10	61
H137289		17	<20	0.76	<10	<10	171	<10	53
H137290		17	<20	0.75	<10	<10	168	<10	51



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
H137291		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
H137292		2.43	0.005		<0.2	3.65	38	<10	20	<0.5	<2	5.41	<0.5	38	50	74
H137293		1.36	1.905		0.3	0.54	1385	<10	70	1.2	<2	8.2	<0.5	43	6	10
H137294		1.51	4.90		1.4	0.45	3560	<10	30	1.6	<2	6.12	<0.5	60	4	25
H137295		0.74	<0.005		<0.2	0.03	3	10	50	<0.5	3	19.0	<0.5	<1	<1	<1
H137296		1.31	4.03		0.8	0.49	3060	<10	40	1.9	<2	7.6	<0.5	48	5	19
H137297		1.05	0.005		<0.2	2.72	22	<10	20	<0.5	<2	2.32	<0.5	32	34	86
H137298		1.48	3.16		0.6	0.46	2090	<10	70	2.3	<2	6.10	<0.5	41	6	40
H137299		0.61	1.610		0.7	0.77	1200	<10	80	2.9	2	5.90	<0.5	40	11	95
H137300		0.07	>10.0	9.83	0.6	1.49	3950	<10	60	<0.5	<2	0.80	<0.5	14	67	64
H136314		4.01	<0.005		<0.2	2.56	6	<10	10	<0.5	<2	2.11	<0.5	30	34	77
H136315		1.43	1.635		0.4	0.51	1135	<10	60	1.7	<2	6.11	<0.5	35	9	42
H136316		2.48	<0.005		<0.2	3.06	3	<10	10	<0.5	<2	2.85	<0.5	29	51	65
H136317		3.94	<0.005		<0.2	2.46	2	<10	10	<0.5	<2	2.54	<0.5	26	42	72
H136318		1.72	1.720		1.5	0.51	1745	<10	60	2.6	<2	6.47	<0.5	44	9	36
H136319		1.26	<0.005		<0.2	2.61	6	<10	20	0.5	<2	3.31	<0.5	28	51	73
H136320		1.31	<0.005		<0.2	2.60	2	<10	20	<0.5	<2	2.63	<0.5	28	45	70
H136321		2.56	<0.005		<0.2	2.83	<2	<10	50	<0.5	<2	2.49	<0.5	31	37	95
H136321		2.24	<0.005		<0.2	2.82	<2	<10	40	<0.5	<2	2.32	<0.5	31	38	91



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
H137291		7.70	10	1	0.02	<10	3.12	1295	<1	0.03	34	620	<2	0.26	2	23
H137292		7.10	<10	<1	0.27	<10	3.73	1650	<1	0.01	33	330	2	4.94	3	30
H137293		12.35	<10	<1	0.31	<10	2.98	1435	<1	0.01	56	160	15	>10.0	8	30
H137294		0.06	<10	<1	0.01	<10	11.35	358	<1	0.01	<1	60	5	0.02	<2	<1
H137295		9.73	<10	1	0.35	<10	3.66	1585	<1	0.01	42	210	8	9.89	6	32
H137296		5.72	10	<1	0.04	<10	1.87	928	<1	0.04	29	620	<2	0.30	<2	7
H137297		9.01	<10	<1	0.29	<10	3.08	1360	<1	0.01	33	470	7	6.73	4	29
H137298		8.25	<10	<1	0.40	<10	3.02	1340	<1	0.01	28	540	7	4.42	4	25
H137299		3.42	10	<1	0.17	10	0.87	372	5	0.06	60	470	5	0.86	33	5
H137300		4.92	10	<1	0.03	<10	1.58	781	<1	0.03	28	600	<2	0.19	3	6
H136314		7.18	<10	<1	0.22	<10	2.95	1210	<1	<0.01	32	470	3	3.58	3	26
H136315		5.06	10	<1	0.06	<10	1.91	883	<1	0.04	33	580	<2	0.10	<2	9
H136316		4.22	10	<1	0.05	<10	1.40	688	<1	0.04	32	560	<2	0.13	<2	5
H136317		8.27	<10	<1	0.34	<10	3.18	1405	<1	0.01	47	510	13	7.65	7	30
H136318		4.79	10	1	0.09	<10	1.71	821	<1	0.06	30	560	<2	0.10	3	8
H136319		4.72	10	<1	0.11	<10	1.69	825	<1	0.05	30	580	<2	0.15	<2	6
H136320		6.14	10	<1	0.18	<10	1.97	1025	<1	0.03	29	610	<2	0.04	<2	8
H136321		5.90	10	<1	0.19	<10	1.92	961	<1	0.03	30	620	<2	0.04	2	7



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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12208568**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Sr ppm	Th ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
		1	20	0.01	10	10	1	10	2
H137291		80	<20	0.46	<10	<10	295	<10	86
H137292		479	<20	0.03	<10	<10	39	<10	28
H137293		299	<20	<0.01	<10	<10	32	<10	21
H137294		195	<20	<0.01	<10	<10	3	<10	13
H137295		340	<20	<0.01	<10	<10	34	<10	28
H137296		24	<20	0.54	<10	<10	155	<10	61
H137297		246	<20	<0.01	<10	<10	36	<10	46
H137298		197	<20	0.01	<10	<10	52	<10	60
H137299		40	<20	0.10	<10	<10	50	40	47
H137300		22	<20	0.56	<10	<10	138	<10	55
H136314		198	<20	0.01	<10	<10	32	<10	49
H136315		17	<20	0.66	<10	<10	180	<10	55
H136316		23	<20	0.58	<10	<10	134	<10	45
H136317		241	<20	<0.01	<10	<10	34	<10	37
H136318		27	<20	0.65	<10	<10	156	<10	51
H136319		19	<20	0.69	<10	<10	146	<10	49
H136320		38	<20	0.82	<10	<10	185	<10	75
H136321		39	<20	0.87	<10	<10	184	<10	73



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**CERTIFICATE TR12202481**

Project: CMV12-01  
 P.O. No.: CMV12-01\_49  
 This report is for 60 Drill Core samples submitted to our lab in Terrace, BC, Canada on 28-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Comments: Additional Au-AA23 check result for sample H135907 reports 9.28ppm.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12202481**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
H135901		0.15	0.731		<0.2	1.71	370	<10	120	0.5	3	7.0	0.5	39	6	48
H135902		3.12	3.64		0.9	0.22	6940	<10	40	<0.5	4	6.22	<0.5	31	4	24
H135903		3.29	4.16		1.9	0.35	4970	<10	40	<0.5	4	7.4	0.5	33	9	59
H135904		1.69	0.305		<0.2	1.23	252	<10	50	0.5	4	6.36	0.5	42	11	94
H135905		2.27	0.233		<0.2	1.51	160	<10	50	0.5	<2	5.27	<0.5	39	14	58
H135906		2.00	0.034		<0.2	2.54	71	<10	10	0.6	<2	5.66	<0.5	43	31	75
H135907		1.80	>10.0	16.75	3.4	0.45	2020	<10	70	<0.5	<2	6.49	<0.5	38	11	74
H135908		0.74	0.017		<0.2	1.91	77	<10	80	0.6	<2	8.5	<0.5	38	38	41
H135909		2.76	0.006		<0.2	4.17	6	10	490	0.6	<2	4.07	0.5	46	65	58
H135910		0.41	<0.005		<0.2	0.03	2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	1
H135911		1.43	<0.005		<0.2	2.31	11	<10	240	0.7	<2	5.84	<0.5	41	31	48
H135912		3.42	<0.005		<0.2	4.79	9	<10	100	0.7	<2	3.50	<0.5	51	41	53
H135913		1.36	<0.005		<0.2	2.25	14	<10	10	0.7	<2	11.1	<0.5	44	33	54
H135914		3.30	0.988		1.7	1.00	315	<10	160	<0.5	<2	8.5	<0.5	37	17	66
H135915		3.36	2.90		<0.2	0.48	1665	<10	70	<0.5	<2	8.7	<0.5	36	10	31
H135916		4.67	<0.005		<0.2	2.60	46	<10	10	<0.5	<2	6.05	<0.5	39	57	67
H135917		0.63	1.240		0.6	0.69	1920	<10	70	<0.5	<2	6.45	<0.5	39	13	55
H135918		2.43	0.282		<0.2	0.09	925	<10	20	<0.5	<2	2.09	<0.5	8	12	16
H135919		1.39	1.040		0.6	1.23	363	<10	50	<0.5	<2	4.95	<0.5	34	25	47
H135920		0.08	3.31		4.2	1.52	288	<10	390	<0.5	2	1.34	1.6	10	57	79
H135921		1.28	1.070		0.4	0.40	620	<10	50	<0.5	<2	6.20	<0.5	38	6	47
H135922		0.81	1.745		0.5	0.21	3900	<10	40	<0.5	<2	2.97	<0.5	19	9	10
H135923		1.48	1.890		0.5	0.55	1440	<10	60	<0.5	<2	6.19	<0.5	38	5	61
H135924		3.74	0.007		<0.2	1.00	87	<10	20	<0.5	<2	5.67	<0.5	39	9	56
H135925		4.38	0.840		0.5	0.88	1395	<10	60	<0.5	<2	5.41	<0.5	37	9	48
H135926		4.15	0.799		0.7	0.88	2410	<10	60	<0.5	<2	6.07	<0.5	34	11	63
H135927		3.07	<0.005		<0.2	1.65	44	<10	<10	<0.5	<2	6.58	<0.5	39	41	57
H135928		3.36	0.080		<0.2	0.74	82	<10	20	<0.5	<2	6.01	<0.5	38	18	63
H135929		3.31	0.351		<0.2	0.77	163	<10	60	<0.5	<2	5.98	<0.5	40	11	77
H135930		0.29	<0.005		<0.2	0.03	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	2
H135931		1.95	1.535		3.7	0.16	1195	<10	10	<0.5	<2	3.01	<0.5	6	12	269
H135932		3.71	0.403		<0.2	0.71	1955	<10	30	<0.5	2	6.26	<0.5	35	18	58
H135933		1.29	<0.005		<0.2	2.70	29	<10	20	<0.5	<2	6.00	<0.5	37	65	76
H135934		2.80	0.034		0.2	0.55	93	<10	50	<0.5	2	5.65	0.9	37	16	88
H135935		3.61	0.071		<0.2	0.46	98	<10	50	<0.5	3	5.82	<0.5	38	12	67
H135936		0.93	<0.005		<0.2	0.99	49	<10	20	<0.5	<2	5.74	<0.5	36	11	69
H135937		4.87	2.51		0.5	0.29	1010	<10	50	<0.5	<2	5.75	<0.5	33	9	50
H135938		2.43	0.074		<0.2	2.58	51	<10	20	<0.5	<2	5.92	<0.5	39	59	67
H135939		3.52	0.128		<0.2	1.06	192	<10	40	<0.5	<2	5.42	1.3	33	35	62
H135940		0.10	9.89	9.51	0.6	1.45	3880	<10	60	0.5	<2	0.85	<0.5	14	67	70

Comments: Additional Au-AA23 check result for sample H135907 reports 9.28ppm.





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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12202481**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
H135901		7.63	<10	<1	0.24	<10	2.35	1465	<1	0.02	23	1040	<2	0.79	<2	23
H135902		7.94	<10	<1	0.10	<10	1.54	1085	<1	0.01	22	530	7	7.23	4	15
H135903		9.99	<10	1	0.13	<10	2.08	1115	<1	0.01	37	510	6	9.56	10	16
H135904		9.70	<10	<1	0.19	<10	2.70	1875	<1	0.01	23	1200	4	0.87	<2	27
H135905		7.80	<10	<1	0.14	<10	2.66	1410	<1	0.01	26	690	<2	0.49	<2	27
H135906		8.87	10	<1	0.11	<10	3.32	1505	<1	0.01	38	580	3	0.17	<2	29
H135907		7.07	<10	<1	0.16	<10	2.68	1520	<1	0.01	32	330	2	3.91	5	23
H135908		7.36	10	<1	0.09	<10	2.41	2000	<1	0.01	35	870	3	0.23	<2	30
H135909		10.90	20	<1	0.05	<10	3.19	1585	<1	0.03	37	1020	<2	0.32	<2	27
H135910		0.07	<10	<1	<0.01	<10	1.79	33	<1	0.01	<1	40	<2	0.09	<2	<1
H135911		7.79	10	<1	0.04	<10	1.46	2300	<1	0.01	28	1200	2	0.63	4	34
H135912		12.45	20	<1	0.02	<10	3.12	1465	<1	0.01	31	1220	<2	0.59	4	31
H135913		5.79	10	<1	<0.01	10	1.05	1565	<1	0.01	34	1040	<2	1.04	3	31
H135914		7.44	<10	<1	0.15	<10	3.01	1575	<1	0.01	35	380	<2	1.30	<2	26
H135915		6.70	<10	<1	0.20	<10	3.22	1575	<1	0.01	33	3080	3	2.41	<2	27
H135916		8.01	10	<1	0.10	<10	3.54	1455	<1	0.02	41	510	<2	0.24	<2	29
H135917		7.56	<10	<1	0.22	<10	3.07	1355	<1	0.01	37	470	4	2.22	<2	23
H135918		1.91	<10	<1	0.05	<10	0.78	440	<1	<0.01	8	190	<2	0.62	<2	5
H135919		6.52	<10	<1	0.10	<10	2.41	1080	<1	0.01	33	380	<2	2.03	<2	24
H135920		3.43	10	4	0.14	10	0.83	468	12	0.07	40	780	311	0.66	26	4
H135921		8.15	<10	<1	0.16	<10	2.80	1400	<1	0.02	36	510	2	3.47	<2	20
H135922		5.03	<10	<1	0.11	<10	1.05	608	<1	0.01	20	440	<2	3.73	3	9
H135923		7.65	<10	<1	0.18	<10	3.01	1470	<1	0.01	36	590	3	2.64	2	22
H135924		7.37	<10	<1	0.14	<10	2.97	1535	<1	0.04	35	720	<2	0.25	<2	25
H135925		7.80	<10	<1	0.17	<10	3.19	1410	<1	0.02	36	570	<2	1.09	<2	23
H135926		7.19	<10	<1	0.14	<10	2.87	1325	<1	0.02	37	460	2	1.38	2	22
H135927		7.05	10	<1	0.07	<10	2.74	1560	<1	0.03	41	700	<2	0.20	<2	31
H135928		7.72	<10	<1	0.18	<10	3.16	1490	<1	0.03	39	660	<2	0.36	<2	26
H135929		8.20	<10	<1	0.18	<10	3.33	1705	<1	0.01	40	580	2	0.61	<2	27
H135930		0.07	<10	<1	<0.01	<10	1.89	32	<1	0.01	<1	40	<2	0.10	<2	<1
H135931		2.37	<10	<1	0.02	<10	0.48	391	<1	<0.01	10	380	<2	1.10	78	5
H135932		7.41	<10	<1	0.15	<10	3.09	1625	<1	0.02	35	500	<2	0.37	2	24
H135933		9.12	10	<1	0.09	<10	3.67	1515	<1	0.02	45	420	<2	0.20	<2	26
H135934		7.23	<10	<1	0.19	<10	3.20	1555	<1	0.01	38	450	<2	0.45	3	22
H135935		7.42	<10	<1	0.18	<10	3.37	1525	<1	0.01	39	440	<2	0.30	<2	22
H135936		7.81	<10	<1	0.14	<10	3.10	1405	<1	0.02	34	440	<2	0.21	<2	24
H135937		7.32	<10	<1	0.17	<10	2.63	1325	<1	<0.01	37	320	<2	3.91	2	19
H135938		8.30	10	<1	0.09	<10	3.61	1595	<1	0.01	41	460	<2	0.21	<2	29
H135939		7.46	<10	<1	0.12	<10	3.24	1565	<1	0.01	39	410	<2	0.24	3	24
H135940		3.53	10	<1	0.17	10	0.90	404	6	0.06	63	480	7	0.88	33	5

Comments: Additional Au-AA23 check result for sample H135907 reports 9.28ppm.



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**CERTIFICATE OF ANALYSIS TR12202481**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
H135901		150	<20	<0.01	<10	<10	50	<10	103
H135902		193	<20	<0.01	<10	<10	18	<10	30
H135903		173	<20	<0.01	<10	<10	24	<10	42
H135904		129	<20	<0.01	<10	<10	79	<10	136
H135905		126	<20	<0.01	<10	<10	80	<10	102
H135906		91	<20	<0.01	<10	<10	111	<10	105
H135907		250	<20	<0.01	<10	<10	30	<10	51
H135908		147	<20	<0.01	<10	<10	190	<10	115
H135909		108	<20	0.28	<10	<10	317	<10	138
H135910		4800	<20	<0.01	<10	10	1	<10	2
H135911		98	<20	0.01	<10	<10	329	<10	131
H135912		82	<20	0.03	<10	<10	367	<10	167
H135913		92	<20	0.01	<10	<10	289	<10	90
H135914		183	<20	<0.01	<10	<10	55	<10	72
H135915		314	<20	<0.01	<10	<10	30	<10	43
H135916		111	<20	0.01	<10	<10	125	<10	98
H135917		213	<20	<0.01	<10	<10	36	<10	57
H135918		78	<20	<0.01	<10	<10	7	<10	9
H135919		137	<20	<0.01	<10	<10	74	<10	60
H135920		36	<20	0.09	<10	<10	61	<10	293
H135921		189	<20	<0.01	<10	<10	24	<10	51
H135922		108	<20	<0.01	<10	<10	13	<10	13
H135923		243	<20	<0.01	<10	<10	22	<10	52
H135924		97	<20	<0.01	<10	<10	34	<10	92
H135925		164	<20	<0.01	<10	<10	29	<10	62
H135926		183	<20	<0.01	<10	<10	24	<10	51
H135927		75	<20	<0.01	<10	<10	126	<10	94
H135928		136	<20	<0.01	<10	<10	38	<10	82
H135929		153	<20	<0.01	<10	<10	34	<10	79
H135930		5440	<20	<0.01	<10	10	1	<10	<2
H135931		46	<20	<0.01	<10	<10	12	<10	74
H135932		99	<20	<0.01	<10	<10	45	<10	98
H135933		59	<20	<0.01	<10	<10	114	<10	132
H135934		176	<20	<0.01	<10	<10	25	<10	199
H135935		146	<20	<0.01	<10	<10	28	<10	89
H135936		87	<20	<0.01	<10	<10	24	<10	101
H135937		189	<20	<0.01	<10	<10	18	<10	67
H135938		82	<20	<0.01	<10	<10	126	<10	106
H135939		126	<20	<0.01	<10	<10	80	<10	198
H135940		38	<20	0.10	<10	<10	51	20	50

Comments: Additional Au-AA23 check result for sample H135907 reports 9.28ppm.



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**CERTIFICATE OF ANALYSIS TR12202481**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
H135941		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
H135942		1.86	<0.005		<0.2	3.60	24	<10	20	<0.5	2	5.65	<0.5	45	19	64
H135943		2.65	3.47		1.8	0.50	1225	<10	50	<0.5	<2	6.38	<0.5	40	6	77
H135944		2.99	>10.0	22.1	1.4	0.17	2730	<10	30	<0.5	<2	1.23	<0.5	20	13	16
H135945		1.07	0.808		0.4	0.28	826	<10	60	<0.5	3	7.6	<0.5	38	5	36
H135946		3.00	0.100		<0.2	2.35	74	<10	30	<0.5	2	5.73	1.2	35	29	125
H135947		0.89	0.592		<0.2	2.92	154	<10	70	0.9	<2	5.89	<0.5	36	29	46
H135948		4.36	<0.005		<0.2	4.31	8	<10	50	0.6	<2	3.96	<0.5	42	41	92
H135949		1.17	1.550		0.2	1.67	398	<10	70	0.7	2	7.9	<0.5	33	18	59
H135950		0.75	0.216		<0.2	0.95	226	<10	50	<0.5	<2	6.80	<0.5	38	11	57
H135951		0.37	<0.005		<0.2	0.03	3	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	<1
H135952		1.22	0.123		<0.2	3.13	70	<10	30	<0.5	3	6.24	<0.5	39	32	69
H135953		1.89	0.042		<0.2	2.98	42	<10	20	<0.5	<2	5.64	<0.5	36	39	56
H135954		1.00	0.541		0.3	1.91	109	<10	40	<0.5	2	7.8	0.5	35	27	79
H135955		3.27	3.01		0.4	0.49	5840	<10	80	<0.5	2	5.17	<0.5	26	9	25
H135956		2.86	0.959		0.2	0.57	3540	<10	60	<0.5	<2	5.86	<0.5	37	4	34
H135957		2.76	0.075		<0.2	2.13	71	<10	40	0.5	<2	5.08	<0.5	37	13	55
H135958		2.23	5.70	5.80	0.4	0.29	>10000	<10	50	<0.5	2	5.22	<0.5	36	4	21
H135959		2.84	0.768		<0.2	0.45	920	<10	50	<0.5	<2	4.92	<0.5	38	4	34
H135960		1.60	0.013		<0.2	2.33	62	<10	10	<0.5	<2	9.6	0.5	38	27	335
H135960		0.08	9.83	9.68	0.4	1.50	3990	<10	60	0.5	<2	0.86	<0.5	14	69	72

Comments: Additional Au-AA23 check result for sample H135907 reports 9.28ppm.



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12202481**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
H135941		11.25	20	<1	0.05	<10	3.38	1650	<1	0.02	28	860	<2	0.29	2	31
H135942		8.19	<10	<1	0.19	<10	2.90	1765	<1	0.01	38	510	3	5.88	12	28
H135943		6.23	<10	<1	0.08	<10	0.48	329	<1	<0.01	24	100	2	6.26	5	4
H135944		6.64	<10	<1	0.18	<10	2.94	1485	<1	<0.01	36	440	<2	3.30	4	23
H135945		8.70	10	<1	0.10	<10	3.07	1535	<1	0.02	32	690	<2	0.77	<2	27
H135946		8.68	10	1	0.09	<10	2.97	1630	<1	0.02	30	880	<2	0.61	<2	27
H135947		10.55	10	<1	0.04	<10	3.10	1555	<1	0.01	34	850	<2	0.35	<2	25
H135948		8.21	10	<1	0.11	<10	1.92	1660	<1	0.01	29	840	3	2.52	8	26
H135949		7.78	<10	<1	0.13	<10	1.33	1645	<1	0.01	27	820	<2	0.47	3	25
H135950		0.06	<10	<1	<0.01	<10	1.56	36	<1	0.01	<1	40	<2	0.07	2	<1
H135951		10.00	10	<1	0.06	<10	2.94	1685	<1	0.01	32	790	6	0.22	3	27
H135952		9.54	10	<1	0.04	<10	3.21	1720	<1	0.02	32	750	<2	0.18	<2	31
H135953		7.76	10	<1	0.08	<10	2.25	1785	<1	0.01	30	750	4	0.53	6	28
H135954		6.07	<10	<1	0.12	<10	1.93	1195	<1	<0.01	21	440	2	2.51	4	18
H135955		8.59	<10	<1	0.16	<10	2.49	1795	<1	0.01	21	770	3	1.61	3	25
H135956		8.63	10	<1	0.08	<10	2.19	1575	<1	<0.01	23	810	<2	0.35	2	28
H135957		8.63	<10	<1	0.16	<10	2.18	1465	<1	<0.01	25	490	2	4.67	2	22
H135958		8.99	<10	<1	0.15	<10	2.66	1610	<1	0.01	25	910	2	1.48	<2	24
H135959		9.20	10	<1	0.02	<10	2.65	2550	<1	0.02	23	820	<2	0.23	<2	30
H135960		3.65	10	<1	0.18	10	0.92	411	6	0.06	66	500	7	0.91	34	5

Comments: Additional Au-AA23 check result for sample H135907 reports 9.28ppm.



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12202481**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Sr ppm	Th ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
		1	20	0.01	10	10	1	10	2
H135941		84	<20	0.02	<10	<10	296	<10	140
H135942		257	<20	<0.01	<10	<10	42	<10	53
H135943		42	<20	<0.01	<10	<10	11	<10	6
H135944		284	<20	<0.01	<10	<10	21	<10	47
H135945		70	<20	0.02	<10	<10	163	<10	221
H135946		93	<20	0.08	<10	<10	205	<10	137
H135947		66	<20	0.20	<10	<10	285	<10	145
H135948		103	<20	0.01	<10	<10	138	<10	123
H135949		92	<20	<0.01	<10	<10	73	<10	93
H135950		5240	<20	<0.01	<10	<10	1	<10	<2
H135951		77	<20	0.01	<10	<10	190	<10	113
H135952		103	<20	0.01	<10	<10	240	<10	111
H135953		106	<20	0.01	<10	<10	172	<10	105
H135954		187	<20	<0.01	<10	<10	30	<10	38
H135955		185	<20	<0.01	<10	<10	40	<10	71
H135956		88	<20	<0.01	<10	<10	201	<10	105
H135957		217	<20	<0.01	<10	<10	25	<10	42
H135958		164	<20	<0.01	<10	<10	29	<10	65
H135959		208	<20	0.01	<10	<10	243	<10	108
H135960		40	<20	0.10	<10	<10	52	20	51

Comments: Additional Au-AA23 check result for sample H135907 reports 9.28ppm.



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**CERTIFICATE TR12228919**

Project: CMV12-01  
 P.O. No.: CMV12-01\_49  
 This report is for 2 Pulp samples submitted to our lab in Terrace, BC, Canada on 30-SEP-2012.  
 The following have access to data associated with this certificate:

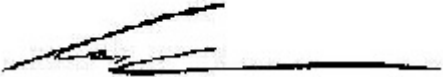
DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
SCR-21	Screen to -100 to 106 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12228919**

Sample Description	Method Analyte Units LOR	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-SCR24	Au-AA26	Au-AA26D
		Au Total ppm	Au (+) F ppm	Au (-) F ppm	Au (+) m mg	WT. + Fr g	WT. - Fr g	Au ppm	Au ppm
H135907		12.70	420	5.91	4.790	11.39	685.7	5.97	5.84
H135943		19.95	938	14.40	4.170	4.44	732.4	14.80	13.95



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**CERTIFICATE TR12174475**

Project: CMV12-01  
 P.O. No.: CMV12-01\_27  
 This report is for 13 Drill Core samples submitted to our lab in Terrace, BC, Canada on 1-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager





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**CERTIFICATE OF ANALYSIS TR12174475**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
H136358		3.87	0.012	0.2	2.61	51	<10	30	<0.5	<2	5.95	<0.5	37	54	96	8.36
H136359		1.47	0.005	<0.2	2.75	56	<10	60	<0.5	<2	6.99	<0.5	38	55	65	8.53
H136360		0.08	2.10	0.3	2.25	10	<10	80	<0.5	<2	0.67	<0.5	9	31	633	4.35
H136361		4.26	0.011	<0.2	1.10	137	<10	50	<0.5	<2	6.20	<0.5	34	19	68	7.15
H136362		4.33	0.009	<0.2	0.59	94	<10	40	<0.5	<2	5.36	<0.5	34	15	60	7.83
H136363		5.51	0.022	<0.2	0.69	110	<10	30	<0.5	<2	6.12	<0.5	33	33	52	7.10
H136364		4.51	<0.005	<0.2	0.59	110	<10	30	<0.5	<2	6.7	<0.5	35	20	64	6.40
H136245		2.54	0.279	<0.2	3.77	79	<10	30	<0.5	<2	6.8	<0.5	39	38	62	9.91
H136246		3.87	0.011	<0.2	3.09	27	<10	10	<0.5	<2	6.02	<0.5	40	52	58	9.47
H136247		3.42	0.010	<0.2	1.08	105	<10	10	<0.5	<2	6.7	<0.5	40	4	62	9.79
H136248		4.34	0.011	<0.2	2.34	75	<10	30	<0.5	<2	6.17	<0.5	39	9	60	10.20
H136249		3.52	0.140	<0.2	3.33	84	<10	20	<0.5	<2	6.06	<0.5	38	19	56	10.45
H136250		3.16	<0.005	<0.2	3.72	26	<10	10	<0.5	<2	5.98	<0.5	36	72	63	10.30



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**CERTIFICATE OF ANALYSIS TR12174475**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	
Units		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
LOR		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
H136358		10	<1	0.08	<10	3.02	1295	<1	0.04	38	590	<2	0.21	<2	28	83
H136359		10	<1	0.11	<10	3.02	1505	<1	0.02	38	590	<2	0.20	<2	26	98
H136360		10	<1	0.14	10	0.90	781	9	0.08	18	660	11	0.11	<2	5	32
H136361		<10	<1	0.19	<10	3.39	1275	<1	0.03	44	420	<2	0.26	<2	24	125
H136362		<10	<1	0.20	<10	3.30	1405	<1	0.03	35	650	<2	0.30	2	26	98
H136363		<10	<1	0.17	<10	3.45	1275	<1	0.04	45	400	<2	0.19	5	25	99
H136364		<10	<1	0.18	<10	3.73	1250	<1	0.04	51	400	<2	0.14	<2	24	93
H136245		10	<1	0.08	<10	2.81	1675	<1	0.02	29	790	<2	0.56	<2	32	78
H136246		10	<1	0.03	<10	3.09	1770	<1	0.02	34	860	<2	0.21	<2	33	73
H136247		<10	<1	0.06	<10	2.61	1865	<1	0.10	23	890	<2	0.28	<2	30	73
H136248		10	<1	0.06	<10	2.81	1770	<1	0.07	24	950	<2	0.28	<2	31	81
H136249		20	<1	0.05	<10	2.90	1730	<1	0.02	23	930	<2	0.42	<2	31	97
H136250		10	<1	0.08	<10	3.76	1445	<1	0.02	43	610	<2	0.18	<2	29	85



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**CERTIFICATE OF ANALYSIS TR12174475**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
H136358		<20	<0.01	<10	<10	115	<10	99
H136359		<20	<0.01	<10	<10	106	<10	99
H136360		<20	0.14	<10	<10	65	<10	86
H136361		<20	<0.01	<10	<10	33	<10	98
H136362		<20	<0.01	<10	<10	38	<10	97
H136363		<20	<0.01	<10	<10	39	<10	74
H136364		<20	<0.01	<10	<10	30	<10	66
H136245		<20	0.01	<10	<10	250	<10	112
H136246		<20	0.01	<10	<10	265	<10	120
H136247		<20	<0.01	<10	<10	52	<10	109
H136248		<20	<0.01	<10	<10	102	<10	128
H136249		<20	0.02	<10	<10	287	<10	122
H136250		<20	<0.01	<10	<10	161	<10	98



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**CERTIFICATE TR12174476**

Project: CMV12-01  
 P.O. No.: CMV12-01\_28  
 This report is for 22 Drill Core samples submitted to our lab in Terrace, BC, Canada on 1-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

**SAMPLE PREPARATION**

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

**ANALYTICAL PROCEDURES**

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12174476**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
H136365		4.73	0.044	<0.2	1.01	108	<10	30	<0.5	<2	5.40	<0.5	33	13	55	8.45
H136366		3.64	0.010	<0.2	3.52	25	<10	30	<0.5	<2	5.94	<0.5	36	32	48	9.45
H136367		2.37	0.165	<0.2	0.60	136	<10	30	<0.5	<2	5.19	<0.5	33	5	44	8.78
H136368		2.91	<0.005	<0.2	1.35	25	<10	10	<0.5	<2	4.08	<0.5	33	14	61	5.21
H136369		2.11	0.106	<0.2	1.14	173	<10	40	<0.5	<2	6.8	<0.5	35	17	65	6.57
H136370		0.59	<0.005	<0.2	0.03	2	<10	<10	<0.5	<2	>25.0	<0.5	<1	1	<1	0.06
H136371		3.42	0.108	<0.2	1.34	930	<10	40	<0.5	<2	6.8	<0.5	36	15	66	6.65
H136372		2.89	0.028	<0.2	2.22	143	<10	40	<0.5	<2	7.2	<0.5	32	26	35	7.33
H136373		4.17	<0.005	<0.2	3.02	90	<10	30	<0.5	<2	7.0	<0.5	36	28	56	8.83
H136374		2.19	<0.005	<0.2	3.80	29	<10	20	<0.5	<2	5.92	<0.5	38	36	50	10.85
H136375		2.12	<0.005	<0.2	3.89	25	<10	10	<0.5	<2	5.80	<0.5	36	36	44	10.70
H136376		3.76	0.270	<0.2	2.12	258	<10	110	<0.5	<2	6.08	<0.5	39	15	44	9.22
H136377		2.52	<0.005	<0.2	0.89	75	<10	30	<0.5	<2	5.33	<0.5	29	6	32	9.49
H136378		4.23	<0.005	<0.2	3.87	50	<10	20	<0.5	<2	4.75	<0.5	34	31	51	10.95
H136379		4.66	0.549	0.5	2.44	2330	<10	30	<0.5	<2	6.32	<0.5	40	18	35	9.90
H136380		0.07	0.711	2.3	0.76	30	<10	70	<0.5	4	1.95	0.6	8	35	7550	6.72
H136381		2.91	<0.005	<0.2	3.34	2	<10	50	0.6	<2	5.05	<0.5	38	78	79	7.77
H136382		2.12	0.281	0.2	2.14	214	<10	40	0.6	<2	6.72	<0.5	48	49	71	7.14
H136383		6.76	<0.005	<0.2	4.81	3	<10	20	<0.5	<2	4.19	<0.5	37	61	70	9.75
H136384		4.81	0.264	<0.2	1.94	178	<10	60	0.6	<2	5.65	<0.5	36	39	68	7.52
H136385		2.59	0.116	0.2	1.22	114	<10	70	<0.5	<2	5.09	<0.5	17	14	39	4.42
H136386		4.39	0.129	<0.2	0.36	87	<10	170	<0.5	<2	4.36	<0.5	5	9	57	2.27



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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12174476**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
H136365		<10	<1	0.09	<10	2.04	1440	<1	0.03	27	730	<2	0.21	<2	25	65
H136366		10	<1	0.05	<10	2.82	1460	<1	0.02	30	770	<2	0.17	<2	31	70
H136367		<10	<1	0.14	<10	2.55	1470	<1	0.03	19	790	<2	0.35	<2	24	90
H136368		<10	<1	0.02	<10	1.40	1320	<1	0.01	18	780	<2	0.24	<2	28	51
H136369		<10	<1	0.15	<10	3.08	1330	<1	0.02	50	430	<2	0.42	2	24	125
H136370		<10	<1	<0.01	<10	1.59	34	<1	0.01	<1	30	<2	0.06	<2	<1	4270
H136371		<10	<1	0.16	<10	3.10	1240	<1	0.03	49	440	<2	0.42	9	24	149
H136372		10	<1	0.09	<10	2.57	1540	<1	0.01	28	580	<2	0.14	<2	23	104
H136373		10	<1	0.10	<10	3.44	1290	<1	0.02	34	660	<2	0.21	<2	27	109
H136374		20	<1	0.05	<10	3.03	1650	<1	0.02	24	1060	<2	0.21	<2	33	125
H136375		20	<1	0.04	<10	3.02	1640	<1	0.02	24	1040	<2	0.16	<2	32	125
H136376		10	<1	0.09	<10	2.46	1540	<1	0.02	24	1140	<2	0.56	<2	29	134
H136377		<10	<1	0.12	<10	2.05	1560	<1	0.04	22	980	<2	0.06	<2	28	101
H136378		10	1	0.07	<10	2.40	1440	<1	0.02	23	1180	5	0.05	<2	30	132
H136379		10	<1	0.09	<10	2.32	1790	<1	0.02	40	1190	4	0.60	<2	31	185
H136380		<10	2	0.31	<10	0.90	927	8	0.06	15	650	23	2.89	25	4	70
H136381		10	1	0.02	<10	2.05	902	<1	0.02	45	680	3	0.31	<2	33	97
H136382		10	<1	0.09	<10	1.80	1490	2	0.01	46	610	3	0.97	3	43	128
H136383		10	<1	0.02	<10	3.06	1375	<1	0.02	36	720	<2	0.22	<2	28	85
H136384		10	<1	0.07	<10	2.11	3010	<1	0.03	33	650	<2	0.87	<2	30	95
H136385		<10	<1	0.05	<10	1.45	1740	<1	0.03	17	320	<2	0.35	2	16	75
H136386		<10	<1	0.08	<10	0.89	687	<1	0.02	17	40	2	0.66	3	3	58



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12174476**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
H136365		<20	0.03	<10	<10	58	<10	98
H136366		<20	0.01	<10	<10	213	<10	117
H136367		<20	<0.01	<10	<10	41	<10	103
H136368		<20	<0.01	<10	<10	199	<10	111
H136369		<20	<0.01	<10	<10	26	<10	61
H136370		20	<0.01	<10	<10	1	<10	<2
H136371		<20	<0.01	<10	<10	24	<10	71
H136372		<20	<0.01	<10	<10	130	<10	95
H136373		<20	<0.01	<10	<10	79	<10	98
H136374		<20	0.01	<10	<10	298	<10	142
H136375		<20	0.01	<10	<10	309	<10	134
H136376		<20	0.01	<10	<10	131	<10	115
H136377		<20	<0.01	<10	<10	44	<10	110
H136378		<20	0.01	<10	<10	222	<10	145
H136379		<20	<0.01	<10	<10	137	<10	126
H136380		<20	0.05	<10	<10	45	<10	111
H136381		<20	0.08	<10	<10	244	<10	101
H136382		<20	<0.01	<10	<10	208	<10	121
H136383		<20	0.16	<10	<10	266	<10	107
H136384		<20	<0.01	<10	<10	186	<10	93
H136385		<20	<0.01	<10	<10	107	<10	58
H136386		<20	<0.01	<10	<10	19	<10	30



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**CERTIFICATE TR12151801**

Project: CMV12-01  
 P.O. No.: CMV12-01\_8  
 This report is for 3 Drill Core samples submitted to our lab in Terrace, BC, Canada on 4-JUL-2012.  
 The following have access to data associated with this certificate:

DACRY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager





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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12151801**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
H136311		4.54	0.279	0.8	0.63	763	<10	60	<0.5	<2	5.49	<0.5	33	15	71	7.75
H136312		5.92	0.143	0.7	1.89	579	<10	50	0.5	<2	5.60	<0.5	36	14	133	8.32
H136313		3.30	0.026	<0.2	2.34	47	<10	30	0.5	<2	5.95	<0.5	34	23	46	9.49



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12151801**

Sample Description	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
H136311		<10	<1	0.12	<10	1.39	1445	<1	0.05	39	680	2	0.64	11	25	77
H136312		<10	<1	0.15	<10	2.50	1270	<1	0.05	36	700	<2	0.38	5	25	90
H136313		10	<1	0.09	<10	2.53	1640	<1	0.02	22	1060	<2	0.32	<2	25	140



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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12151801**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
H136311		<20	0.01	<10	<10	41	<10	78
H136312		<20	0.01	<10	<10	45	<10	106
H136313		<20	<0.01	<10	<10	179	<10	114



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 Account: EIACMV

**CERTIFICATE TR12202482**

Project: CMV12-01  
 P.O. No.: CMV12-01\_50  
 This report is for 38 Crushed Core samples submitted to our lab in Terrace, BC, Canada on 28-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12202482**

Sample Description	Method	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
H135961		2.79	1.475		0.6	0.53	2090	<10	50	<0.5	2	6.74	<0.5	35	7	49
H135962		2.85	0.583		0.3	1.06	1300	<10	40	<0.5	<2	4.32	<0.5	32	10	45
H135963		1.35	>10.0	18.15	3.8	0.45	5360	<10	40	<0.5	<2	2.60	0.6	26	7	85
H135964		4.45	1.165		0.5	0.62	1220	<10	70	<0.5	3	5.83	0.6	37	6	42
H135965		1.35	0.445		18.5	0.04	2280	<10	10	<0.5	<2	0.28	4.8	3	13	620
H135966		3.58	3.14		1.1	0.31	4370	<10	60	<0.5	<2	6.05	<0.5	32	6	41
H135967		4.15	2.14		0.8	0.55	1220	<10	80	<0.5	2	6.28	0.6	42	7	45
H135968		3.92	1.205		0.7	0.35	1020	<10	70	<0.5	2	5.91	<0.5	31	7	33
H135969		2.55	0.324		<0.2	1.07	562	<10	60	<0.5	4	5.51	0.5	40	8	55
H135970		0.66	0.009		<0.2	0.03	22	10	50	<0.5	<2	19.7	<0.5	1	<1	1
H135971		3.77	3.80		0.3	0.36	2320	<10	70	<0.5	2	8.6	<0.5	38	6	11
H135972		3.99	2.67		0.5	0.30	791	<10	60	<0.5	<2	5.44	<0.5	24	8	11
H135973		3.22	2.68		1.0	0.78	6320	<10	90	<0.5	<2	7.8	<0.5	37	9	55
H135974		2.38	0.160		<0.2	1.59	237	<10	60	0.5	3	7.6	<0.5	34	11	55
H135975		3.99	0.040		<0.2	2.96	67	<10	50	<0.5	3	6.20	0.5	39	14	60
H135976		2.98	0.752		<0.2	1.57	2280	<10	50	0.5	3	7.1	<0.5	40	11	45
H135977		3.29	3.02		0.5	0.22	1970	<10	30	<0.5	<2	2.99	<0.5	10	11	20
H135978		2.57	2.75		1.5	0.36	773	<10	80	<0.5	2	6.80	0.6	35	5	43
H135979		3.73	0.076		<0.2	3.81	84	<10	20	<0.5	2	5.57	<0.5	38	45	63
H135980		0.09	3.35		3.6	1.44	258	<10	460	<0.5	<2	1.29	1.5	9	51	72
H135981		4.08	0.063		<0.2	0.95	103	<10	40	<0.5	2	7.1	<0.5	32	9	41
H135982		4.13	0.372		<0.2	0.72	211	<10	60	<0.5	<2	7.2	<0.5	36	11	24
H135983		2.84	1.470		<0.2	0.39	714	<10	70	<0.5	<2	5.15	<0.5	31	4	22
H135984		3.49	3.48		0.7	0.39	2140	<10	80	<0.5	2	5.74	0.5	37	4	27
H135985		2.64	4.32		0.4	0.42	6620	<10	80	<0.5	<2	7.0	0.5	40	2	30
H135986		2.35	7.85	6.67	0.9	0.33	6320	<10	50	<0.5	2	5.48	<0.5	41	2	24
H135987		2.11	1.065		<0.2	0.07	1040	<10	20	<0.5	<2	0.65	<0.5	5	10	7
H135988		3.77	6.23	6.36	1.2	0.14	2290	<10	30	<0.5	<2	1.31	<0.5	11	13	8
H135989		3.90	3.33		0.2	0.55	1080	<10	70	<0.5	<2	5.55	0.5	35	5	48
H135990		0.74	0.058		<0.2	0.03	27	20	300	<0.5	<2	18.4	<0.5	<1	<1	2
H135991		1.81	2.53		0.2	0.46	637	<10	70	<0.5	<2	5.02	<0.5	34	9	56
H135992		3.54	0.696		0.3	0.47	264	<10	90	0.5	<2	5.63	<0.5	35	15	59
H135993		2.20	0.363		<0.2	0.62	222	<10	50	<0.5	<2	5.13	<0.5	31	16	52
H135994		1.45	0.205		<0.2	1.68	379	<10	30	0.5	2	5.38	<0.5	38	30	48
H135995		1.43	0.548		<0.2	1.34	400	<10	50	<0.5	<2	4.29	<0.5	32	36	51
H135996		1.98	0.014		<0.2	1.98	58	<10	80	0.6	<2	5.60	1.3	39	47	77
H135997		1.20	0.023		<0.2	1.42	102	<10	100	<0.5	<2	5.62	1.2	36	23	96
H135998		1.19	0.057		<0.2	2.06	93	<10	70	0.6	<2	5.23	<0.5	38	28	73



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12202482**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	
H135961		7.42	<10	<1	0.16	<10	2.71	1450	<1	0.01	36	520	<2	2.73	6	21
H135962		7.31	<10	<1	0.10	<10	2.00	1200	<1	0.01	25	580	<2	1.13	4	20
H135963		9.60	<10	<1	0.12	<10	0.84	653	<1	<0.01	22	220	5	9.34	6	9
H135964		9.11	<10	<1	0.19	<10	2.81	1520	<1	0.01	33	760	4	2.97	6	23
H135965		1.34	<10	<1	0.02	<10	0.10	150	<1	<0.01	3	50	<2	0.44	247	1
H135966		7.73	<10	<1	0.17	<10	2.48	1420	<1	0.01	28	440	3	5.53	10	22
H135967		9.62	<10	<1	0.23	<10	2.86	1670	<1	0.01	35	670	2	5.04	4	27
H135968		7.01	<10	<1	0.18	<10	2.51	1510	<1	<0.01	25	560	3	3.21	4	24
H135969		9.26	<10	<1	0.21	<10	2.73	1510	<1	0.01	33	790	2	0.71	4	25
H135970		0.17	<10	<1	0.01	<10	12.10	407	<1	0.01	2	50	3	0.04	<2	<1
H135971		7.87	<10	<1	0.19	<10	3.33	1800	<1	0.01	29	930	3	4.22	<2	30
H135972		5.42	<10	<1	0.16	<10	2.17	1220	<1	0.01	18	450	2	3.22	2	20
H135973		8.10	<10	<1	0.18	<10	2.64	1650	<1	0.01	29	690	4	3.30	5	23
H135974		8.34	10	<1	0.12	<10	2.41	1590	<1	0.01	21	750	2	0.41	<2	25
H135975		9.72	10	<1	0.09	<10	2.85	1680	<1	0.01	25	870	<2	0.29	2	31
H135976		8.67	10	<1	0.15	<10	2.84	1840	<1	<0.01	30	750	3	1.57	<2	28
H135977		2.69	<10	<1	0.06	<10	0.65	478	<1	<0.01	11	300	<2	1.28	2	5
H135978		8.10	<10	<1	0.20	<10	2.69	1610	<1	<0.01	30	610	3	4.14	<2	24
H135979		10.05	20	1	0.02	<10	3.37	1720	<1	<0.01	38	790	<2	0.15	<2	32
H135980		3.28	<10	4	0.14	10	0.78	446	12	0.06	38	740	292	0.61	26	4
H135981		8.53	<10	<1	0.10	<10	2.38	1740	<1	0.01	19	560	2	0.27	<2	27
H135982		8.99	<10	<1	0.13	<10	2.19	2020	<1	<0.01	22	990	2	0.88	<2	24
H135983		8.25	<10	<1	0.18	<10	1.89	1400	<1	<0.01	20	850	3	2.60	2	19
H135984		9.49	<10	<1	0.18	<10	2.48	1600	<1	0.01	24	840	2	4.28	2	23
H135985		8.98	<10	<1	0.23	<10	2.74	1790	<1	0.01	21	1050	4	6.33	<2	26
H135986		10.95	<10	<1	0.18	<10	2.22	1360	<1	0.01	24	690	5	>10.0	4	23
H135987		2.11	<10	1	0.03	<10	0.22	193	1	<0.01	9	120	5	1.41	<2	3
H135988		4.45	<10	<1	0.06	<10	0.47	325	<1	<0.01	12	170	2	3.73	4	6
H135989		8.92	<10	<1	0.23	<10	2.38	1610	<1	0.01	23	800	<2	4.35	<2	23
H135990		0.20	<10	<1	0.01	<10	11.40	422	<1	0.01	<1	40	<2	0.09	<2	<1
H135991		8.15	<10	<1	0.23	<10	2.61	1355	<1	0.01	31	700	<2	2.54	2	21
H135992		7.15	<10	<1	0.24	<10	3.49	1335	<1	0.01	50	440	<2	1.05	<2	21
H135993		7.57	<10	<1	0.16	<10	3.02	1330	<1	0.03	35	540	<2	0.86	<2	25
H135994		8.44	10	1	0.07	<10	1.99	1520	<1	0.01	30	850	<2	1.18	<2	29
H135995		7.85	10	<1	0.07	<10	2.06	1530	<1	0.01	33	500	<2	1.22	3	29
H135996		7.73	10	<1	0.07	<10	2.68	1485	1	0.01	40	620	<2	0.39	<2	30
H135997		7.90	<10	<1	0.19	<10	3.05	1430	1	0.02	41	440	2	0.51	<2	28
H135998		8.77	10	<1	0.13	<10	3.14	1470	<1	0.02	42	690	<2	0.39	<2	33



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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12202482**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
H135961		201	<20	<0.01	<10	<10	21	<10	60
H135962		80	<20	<0.01	<10	<10	34	<10	62
H135963		80	<20	<0.01	<10	<10	23	<10	44
H135964		182	<20	<0.01	<10	<10	34	<10	74
H135965		11	<20	<0.01	<10	<10	2	<10	661
H135966		291	<20	<0.01	<10	<10	22	<10	53
H135967		243	<20	<0.01	<10	<10	40	<10	79
H135968		227	<20	<0.01	<10	<10	29	<10	51
H135969		128	<20	<0.01	<10	<10	42	<10	104
H135970		147	<20	<0.01	<10	<10	3	<10	13
H135971		363	<20	<0.01	<10	<10	26	<10	38
H135972		227	<20	<0.01	<10	<10	21	<10	27
H135973		236	<20	<0.01	10	<10	54	<10	58
H135974		90	<20	<0.01	<10	<10	123	<10	101
H135975		81	<20	0.01	<10	<10	195	<10	113
H135976		159	<20	<0.01	<10	<10	87	<10	92
H135977		64	<20	<0.01	<10	<10	14	<10	12
H135978		210	<20	<0.01	<10	<10	28	<10	74
H135979		87	<20	0.01	<10	<10	263	<10	108
H135980		35	<20	0.10	<10	<10	57	<10	255
H135981		107	<20	<0.01	<10	<10	119	<10	54
H135982		150	<20	<0.01	10	<10	99	<10	72
H135983		173	<20	<0.01	<10	<10	33	<10	67
H135984		272	<20	<0.01	<10	<10	35	<10	64
H135985		370	<20	<0.01	<10	<10	33	<10	35
H135986		300	<20	<0.01	<10	<10	25	<10	26
H135987		27	<20	<0.01	<10	<10	5	<10	8
H135988		55	<20	<0.01	<10	<10	12	<10	12
H135989		225	<20	<0.01	<10	<10	50	<10	64
H135990		224	<20	<0.01	<10	<10	3	<10	14
H135991		183	<20	<0.01	<10	<10	34	<10	76
H135992		233	<20	<0.01	<10	<10	30	<10	69
H135993		136	<20	<0.01	<10	<10	51	<10	81
H135994		88	<20	<0.01	<10	<10	219	<10	115
H135995		72	<20	<0.01	<10	<10	200	<10	81
H135996		77	<20	<0.01	<10	<10	177	<10	260
H135997		123	<20	<0.01	<10	<10	94	<10	283
H135998		92	<20	<0.01	<10	<10	130	<10	92



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**CERTIFICATE TR12228915**

Project: CMV12-01  
 P.O. No.: CMV12-01\_50  
 This report is for 1 Other sample submitted to our lab in Terrace, BC, Canada on 30-SEP-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis
SCR-21	Screen to -100 to 106 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-SCR24	Au Screen FA Double Minus -50g	WST-SIM
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
Au-AA26D	Ore Grade Au 50g FA AA Dup	AAS

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager





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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12228915**

Sample Description	Method Analyte Units LOR	Au-SCR24 Au Total ppm	Au-SCR24 Au (+) F ppm	Au-SCR24 Au (-) F ppm	Au-SCR24 Au (+) m mg	Au-SCR24 WT. + Fr g	Au-SCR24 WT. - Fr g	Au-AA26 Au ppm	Au-AA26D Au ppm
H135963		16.75	21.7	16.70	0.196	9.05	859.0	16.65	16.75



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 Account: EIACMV

**CERTIFICATE TR12144025**

Project: CMV12-01  
 P.O. No.: CMV12-01\_1  
 This report is for 101 Drill Core samples submitted to our lab in Terrace, BC, Canada on 22-JUN-2012.  
 The following have access to data associated with this certificate:

DACRY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
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Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12144025**

Sample Description	Method	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR															
H136151		2.92	0.007	<0.2	1.38	57	<10	30	<0.5	<2	6.3	<0.5	33	32	52	8.17
H136152		6.25	0.023	<0.2	2.62	73	<10	10	<0.5	<2	5.90	<0.5	37	40	61	8.82
H136153		6.09	0.008	<0.2	1.90	49	<10	20	<0.5	<2	6.39	<0.5	37	28	57	9.00
H136154		2.44	0.152	0.4	0.67	60	<10	10	<0.5	<2	5.72	<0.5	30	15	49	7.60
H136155		3.60	<0.005	<0.2	3.19	8	<10	10	<0.5	<2	5.56	<0.5	36	45	51	9.49
H136156		1.90	0.040	<0.2	0.44	113	<10	20	<0.5	<2	5.85	<0.5	38	14	70	8.26
H136157		1.01	0.321	<0.2	0.33	162	<10	20	<0.5	<2	5.62	<0.5	26	18	39	5.36
H136158		2.39	0.287	<0.2	0.45	149	<10	20	<0.5	<2	5.73	<0.5	29	9	43	7.98
H136159		0.83	0.174	0.2	0.17	191	<10	20	<0.5	<2	5.19	<0.5	38	11	54	8.05
H136160		0.07	0.266	0.3	0.40	483	<10	760	<0.5	<2	1.04	<0.5	3	43	40	3.97
H136161		4.30	<0.005	<0.2	1.55	52	<10	20	<0.5	<2	5.90	<0.5	38	27	55	8.65
H136162		4.93	<0.005	<0.2	2.76	40	<10	10	<0.5	<2	5.91	<0.5	36	38	64	8.86
H136163		3.91	0.274	0.3	0.62	160	<10	20	<0.5	<2	5.97	<0.5	32	20	52	7.74
H136164		4.89	<0.005	0.2	3.44	19	<10	10	<0.5	<2	5.93	<0.5	37	32	49	9.86
H136165		6.15	<0.005	<0.2	3.30	52	<10	10	<0.5	<2	6.39	<0.5	39	24	61	9.96
H136166		5.45	0.022	<0.2	0.70	113	<10	20	<0.5	<2	6.02	<0.5	33	20	59	7.72
H136167		4.67	0.010	<0.2	1.72	131	<10	10	<0.5	<2	5.67	<0.5	36	25	82	8.88
H136168		4.89	0.017	0.2	0.58	135	<10	20	<0.5	<2	5.91	<0.5	35	15	56	8.34
H136169		1.32	0.021	<0.2	0.48	133	<10	10	<0.5	<2	5.18	<0.5	30	20	63	7.20
H136170		0.31	<0.005	<0.2	0.07	4	<10	<10	<0.5	<2	>25.0	<0.5	1	1	1	0.10
H136171		5.81	0.052	0.2	0.60	969	<10	30	<0.5	<2	6.6	<0.5	32	10	47	7.69
H136172		1.72	0.011	<0.2	0.33	129	<10	40	<0.5	<2	5.84	<0.5	32	13	63	7.87
H136173		4.32	0.746	0.3	0.54	562	<10	30	<0.5	<2	6.07	<0.5	32	11	44	8.23
H136174		3.45	<0.005	0.2	2.38	59	<10	10	<0.5	<2	6.84	<0.5	30	83	58	7.00
H136175		3.27	<0.005	0.2	2.80	66	<10	10	<0.5	<2	6.64	<0.5	36	97	63	7.58
H136176		6.98	<0.005	<0.2	2.38	83	<10	30	<0.5	<2	6.5	<0.5	34	35	56	8.14
H136177		6.38	<0.005	0.2	2.35	96	<10	10	<0.5	<2	6.33	<0.5	34	31	57	8.05
H136178		1.91	0.096	<0.2	0.42	189	<10	40	<0.5	<2	5.53	<0.5	32	13	54	6.33
H136179		6.93	0.229	<0.2	0.82	142	<10	40	<0.5	<2	6.07	<0.5	29	26	54	6.98
H136180		0.07	3.53	3.7	1.46	275	<10	320	<0.5	<2	1.28	1.3	8	53	73	3.26
H136181		7.02	0.014	0.2	0.88	79	<10	30	<0.5	<2	6.12	<0.5	26	18	47	7.60
H136182		6.93	0.005	<0.2	0.79	110	<10	30	<0.5	<2	6.8	<0.5	32	26	56	7.39
H136183		7.01	0.028	<0.2	0.79	176	<10	40	<0.5	<2	7.64	<0.5	28	24	53	6.67
H136184		1.47	0.018	<0.2	1.15	89	<10	240	<0.5	<2	8.2	<0.5	32	21	62	6.59
H136185		5.68	<0.005	<0.2	4.84	5	<10	20	<0.5	<2	4.69	<0.5	37	54	66	9.61
H136186		6.77	<0.005	<0.2	4.66	2	<10	10	<0.5	<2	4.74	<0.5	37	52	61	9.17
H136187		2.54	0.022	<0.2	3.56	123	<10	20	0.5	<2	6.40	<0.5	37	18	74	10.30
H136188		2.94	<0.005	<0.2	4.31	64	<10	10	<0.5	<2	5.89	<0.5	35	45	52	9.14
H136189		4.97	0.006	<0.2	5.05	58	<10	10	<0.5	<2	6.7	<0.5	37	50	59	9.09
H136190		0.35	<0.005	<0.2	0.09	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	1	<1	0.11



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**CERTIFICATE OF ANALYSIS TR12144025**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
H136151		10	<1	0.03	<10	3.33	1510	<1	0.05	36	590	<2	0.11	<2	31	64
H136152		10	<1	0.03	<10	3.06	1560	<1	0.05	34	750	2	0.28	<2	33	57
H136153		10	<1	0.02	<10	3.17	1615	<1	0.06	32	710	2	0.15	2	34	51
H136154		<10	<1	0.06	<10	2.65	1370	<1	0.04	28	810	2	0.24	3	25	70
H136155		10	<1	0.03	<10	3.13	1640	<1	0.03	33	740	3	0.22	2	32	58
H136156		<10	<1	0.07	<10	2.92	1610	<1	0.04	31	650	2	0.25	2	30	71
H136157		<10	<1	0.07	<10	1.95	1070	<1	0.02	29	1230	3	0.47	<2	20	110
H136158		<10	<1	0.09	<10	2.69	1355	<1	0.04	25	660	3	0.39	<2	25	80
H136159		<10	<1	0.05	<10	2.80	1315	<1	0.03	30	690	2	0.64	2	27	69
H136160		<10	4	0.10	10	0.03	81	14	0.05	16	150	15	0.23	30	1	79
H136161		10	<1	0.03	<10	3.09	1570	<1	0.06	30	700	2	0.17	2	31	55
H136162		10	<1	0.01	<10	2.99	1515	<1	0.04	30	680	3	0.28	<2	33	53
H136163		<10	<1	0.07	<10	2.74	1370	<1	0.06	32	570	3	0.53	3	28	76
H136164		10	<1	0.02	<10	3.18	1700	<1	0.03	28	800	2	0.17	<2	37	74
H136165		10	<1	0.03	<10	3.16	1750	<1	0.03	29	720	<2	0.21	<2	33	76
H136166		<10	<1	0.06	<10	2.51	1585	<1	0.05	30	690	2	0.20	<2	29	58
H136167		10	<1	0.05	<10	2.70	1255	<1	0.05	34	720	<2	0.20	<2	31	50
H136168		<10	<1	0.07	<10	2.89	1485	<1	0.05	33	740	2	0.18	<2	26	73
H136169		<10	<1	0.05	<10	2.99	1285	<1	0.07	35	520	2	0.07	<2	27	60
H136170		<10	<1	0.01	<10	1.55	34	<1	0.02	<1	30	<2	0.09	<2	<1	5340
H136171		<10	<1	0.13	<10	2.88	1385	<1	0.03	35	650	<2	0.32	8	21	133
H136172		<10	<1	0.13	<10	2.72	1410	<1	0.03	36	640	<2	0.23	<2	25	103
H136173		<10	<1	0.09	<10	2.79	1400	<1	0.06	33	600	2	0.86	6	25	96
H136174		10	<1	0.02	<10	3.35	1425	<1	0.05	46	400	3	0.05	<2	31	89
H136175		10	<1	0.03	<10	3.64	1450	<1	0.05	51	440	3	0.05	<2	33	88
H136176		10	<1	0.08	<10	3.11	1335	<1	0.04	40	620	<2	0.19	<2	30	90
H136177		10	<1	0.04	<10	2.77	1430	<1	0.04	35	720	2	0.29	<2	29	61
H136178		<10	<1	0.13	<10	2.85	1165	<1	0.03	42	470	<2	0.41	<2	21	142
H136179		<10	<1	0.09	<10	2.50	1445	<1	0.03	32	540	<2	0.54	3	25	111
H136180		<10	4	0.13	10	0.78	436	12	0.07	38	740	282	0.62	26	4	37
H136181		<10	<1	0.06	<10	2.65	1455	<1	0.04	30	500	<2	0.14	<2	24	98
H136182		<10	<1	0.06	<10	2.85	1440	<1	0.06	38	540	<2	0.07	<2	28	73
H136183		<10	<1	0.09	<10	2.77	1450	<1	0.05	39	500	<2	0.05	<2	24	96
H136184		<10	<1	0.09	<10	2.18	1555	<1	0.05	27	700	<2	0.27	3	27	98
H136185		10	<1	0.01	<10	3.56	1435	<1	0.02	40	830	2	0.23	<2	24	101
H136186		10	<1	0.01	<10	3.47	1530	<1	0.02	39	800	<2	0.18	<2	23	92
H136187		10	<1	0.06	<10	3.29	1215	<1	0.03	38	770	<2	0.32	3	29	126
H136188		10	<1	0.02	<10	3.28	1425	<1	0.02	37	800	2	0.23	<2	32	105
H136189		20	<1	0.01	<10	3.23	1485	<1	0.02	37	800	2	0.15	<2	33	112
H136190		<10	<1	<0.01	<10	1.58	33	<1	0.03	1	30	<2	0.10	<2	<1	4280



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**CERTIFICATE OF ANALYSIS TR12144025**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
H136151		<20	<0.01	<10	<10	98	<10	99
H136152		<20	<0.01	<10	<10	192	<10	107
H136153		<20	<0.01	<10	<10	138	<10	105
H136154		<20	<0.01	<10	<10	59	<10	76
H136155		<20	<0.01	<10	<10	209	<10	105
H136156		<20	<0.01	<10	<10	67	<10	101
H136157		<20	<0.01	<10	<10	48	<10	39
H136158		<20	<0.01	<10	<10	66	<10	86
H136159		<20	<0.01	<10	<10	45	<10	112
H136160		<20	0.01	10	<10	29	10	24
H136161		<20	<0.01	<10	<10	126	<10	98
H136162		<20	<0.01	<10	<10	199	<10	108
H136163		<20	0.01	<10	<10	78	<10	90
H136164		<20	0.01	<10	<10	254	<10	118
H136165		<20	0.01	<10	<10	227	<10	128
H136166		<20	0.01	<10	<10	107	<10	93
H136167		<20	0.01	<10	<10	147	<10	120
H136168		<20	0.01	<10	<10	68	<10	94
H136169		<20	0.01	<10	<10	53	<10	90
H136170		20	0.01	<10	<10	2	<10	2
H136171		<20	0.01	<10	<10	28	<10	80
H136172		<20	0.01	<10	<10	36	<10	83
H136173		<20	0.01	<10	<10	51	<10	82
H136174		<20	0.01	<10	<10	128	<10	83
H136175		<20	0.01	<10	<10	148	<10	92
H136176		<20	0.02	<10	<10	146	<10	92
H136177		<20	0.02	<10	<10	178	<10	102
H136178		<20	0.01	<10	<10	28	<10	70
H136179		<20	0.01	<10	<10	88	<10	75
H136180		<20	0.10	<10	<10	59	<10	262
H136181		<20	0.01	<10	<10	101	<10	78
H136182		<20	0.01	<10	<10	71	<10	84
H136183		<20	0.01	<10	<10	59	<10	62
H136184		<20	0.01	<10	<10	90	<10	96
H136185		<20	0.07	<10	<10	298	<10	114
H136186		<20	0.17	<10	<10	290	<10	117
H136187		<20	0.02	<10	<10	110	<10	107
H136188		<20	0.02	<10	<10	286	<10	122
H136189		<20	0.04	<10	<10	337	<10	112
H136190		20	0.01	<10	<10	3	<10	<2



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**CERTIFICATE OF ANALYSIS TR12144025**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
H136191		1.93	1.525	2.1	2.66	997	<10	20	<0.5	<2	5.72	<0.5	29	29	82	7.44
H136192		6.37	0.048	0.2	1.19	190	<10	10	<0.5	<2	7.5	<0.5	34	22	41	7.09
H136193		6.10	<0.005	<0.2	0.69	101	<10	10	<0.5	<2	6.7	<0.5	31	18	56	7.30
H136194		4.47	0.019	<0.2	0.88	120	<10	10	<0.5	<2	6.8	<0.5	30	20	64	7.13
H136195		5.41	0.012	0.2	0.90	120	<10	10	<0.5	<2	6.09	<0.5	32	22	55	8.40
H136196		5.27	0.435	<0.2	1.02	99	<10	50	0.7	<2	5.46	<0.5	34	27	76	8.34
H136197		3.97	0.042	<0.2	0.68	114	<10	20	<0.5	<2	6.08	<0.5	29	15	25	7.65
H136198		7.94	0.379	<0.2	0.51	268	<10	20	<0.5	<2	5.42	<0.5	33	8	59	8.09
H136199		6.10	<0.005	<0.2	0.47	107	<10	20	<0.5	<2	6.09	<0.5	32	13	88	7.39
H136200		0.07	0.744	2.1	0.69	24	<10	70	<0.5	2	1.81	0.5	8	32	7150	6.54
H136201		3.50	0.033	<0.2	1.78	449	<10	90	<0.5	<2	5.54	<0.5	36	13	76	8.41
H136202		3.09	0.008	<0.2	0.79	58	<10	30	<0.5	<2	5.44	<0.5	34	7	59	8.32
H136203		3.66	0.006	<0.2	0.93	96	<10	20	<0.5	<2	5.27	<0.5	35	9	64	8.01
H136204		7.02	0.038	<0.2	0.93	234	<10	40	<0.5	<2	5.82	<0.5	33	16	60	7.76
H136205		5.80	0.079	0.2	1.66	425	<10	20	0.5	<2	6.08	<0.5	31	19	49	7.72
H136206		8.88	<0.005	<0.2	2.78	30	<10	50	1.2	<2	7.6	<0.5	39	34	53	8.37
H136207		7.46	<0.005	<0.2	2.84	16	<10	30	0.7	<2	3.17	<0.5	38	42	70	8.12
H136208		7.51	<0.005	<0.2	2.97	15	<10	50	0.6	<2	3.96	<0.5	38	51	74	7.94
H136209		7.93	<0.005	<0.2	4.66	34	<10	20	<0.5	<2	6.16	<0.5	35	73	73	8.10
H136210		5.42	0.036	<0.2	0.54	177	<10	40	<0.5	<2	7.2	<0.5	32	15	52	6.69
H136211		4.13	0.330	0.4	0.42	1010	<10	50	<0.5	<2	5.75	<0.5	30	11	52	6.92
H136212		4.79	0.648	0.2	0.46	220	<10	50	<0.5	<2	6.34	<0.5	34	16	73	6.86
H136213		1.07	0.017	0.2	0.39	101	<10	70	<0.5	<2	5.02	<0.5	34	7	175	8.35
H136214		4.80	0.009	0.2	0.44	102	<10	30	<0.5	<2	6.5	<0.5	33	10	45	7.68
H136215		3.27	0.109	<0.2	4.03	68	<10	180	0.6	<2	5.46	<0.5	39	54	75	8.18
H136216		7.77	0.007	<0.2	2.96	11	<10	20	<0.5	<2	5.21	<0.5	39	18	76	9.59
H136217		9.61	0.170	0.3	2.96	26	<10	20	<0.5	<2	5.72	<0.5	37	15	45	9.35
H136218		6.89	<0.005	<0.2	3.37	10	<10	10	<0.5	<2	5.21	<0.5	38	21	55	9.66
H136219		5.91	<0.005	<0.2	3.47	10	<10	40	<0.5	<2	5.46	<0.5	38	101	63	9.06
H136220		3.56	0.038	<0.2	1.12	112	<10	20	0.5	<2	4.98	<0.5	39	15	60	8.95
H136221		2.58	0.044	<0.2	1.01	394	<10	20	<0.5	<2	5.60	<0.5	33	19	33	7.72
H136222		5.65	0.107	<0.2	1.07	815	<10	30	<0.5	<2	6.54	<0.5	37	16	52	8.40
H136223		3.97	<0.005	<0.2	4.41	96	<10	10	<0.5	<2	5.91	<0.5	39	116	67	8.98
H136224		3.55	<0.005	<0.2	4.15	33	<10	10	<0.5	<2	6.2	<0.5	35	87	74	7.18
H136225		6.62	0.062	0.3	1.06	648	<10	20	<0.5	<2	6.41	<0.5	36	13	72	7.43
H136226		3.86	0.071	<0.2	2.01	994	<10	20	<0.5	<2	6.28	<0.5	35	31	37	8.76
H136227		6.45	0.006	<0.2	3.26	96	<10	10	<0.5	<2	5.50	<0.5	35	49	62	8.45
H136228		3.00	<0.005	<0.2	4.73	82	<10	10	<0.5	<2	5.66	<0.5	41	58	80	9.48
H136229		8.15	0.009	<0.2	1.14	241	<10	10	<0.5	<2	6.35	<0.5	37	49	63	7.50
H136230		8.08	<0.005	<0.2	3.02	97	<10	10	<0.5	<2	6.99	<0.5	37	99	72	7.64



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
H136191		10	<1	0.05	<10	2.37	1255	<1	0.02	30	640	<2	1.38	6	25	126
H136192		<10	<1	0.05	<10	3.22	1460	<1	0.06	41	600	2	0.06	5	28	95
H136193		<10	<1	0.03	<10	2.82	1370	<1	0.08	34	600	<2	0.06	<2	27	60
H136194		<10	<1	0.05	<10	3.33	1335	<1	0.07	40	480	<2	0.06	4	27	74
H136195		<10	<1	0.05	<10	3.35	1505	<1	0.08	36	680	<2	0.17	2	30	77
H136196		<10	<1	0.05	<10	2.28	1630	<1	0.02	30	760	<2	0.47	3	29	93
H136197		<10	<1	0.09	<10	2.93	1400	<1	0.07	34	620	<2	0.17	<2	26	78
H136198		<10	<1	0.07	<10	2.85	1345	<1	0.06	27	730	<2	0.46	2	24	75
H136199		<10	<1	0.08	<10	2.97	1450	3	0.06	64	590	25	0.14	<2	26	72
H136200		<10	2	0.28	<10	0.85	920	8	0.06	14	580	22	2.76	25	3	65
H136201		<10	<1	0.09	<10	2.88	1470	<1	0.04	27	710	<2	0.34	<2	24	85
H136202		<10	<1	0.10	<10	2.75	1525	<1	0.05	24	730	<2	0.27	2	25	74
H136203		<10	<1	0.07	<10	2.71	1415	<1	0.06	27	710	<2	0.29	4	26	76
H136204		<10	<1	0.06	<10	2.46	1625	<1	0.03	26	680	<2	0.22	<2	26	79
H136205		10	<1	0.07	<10	2.56	1660	<1	0.02	23	690	<2	0.22	<2	25	91
H136206		10	<1	0.03	<10	1.74	1535	<1	0.04	29	750	<2	0.37	<2	26	122
H136207		10	<1	0.02	<10	1.98	1335	<1	0.04	33	870	<2	0.18	<2	21	64
H136208		10	<1	0.02	<10	2.04	1355	<1	0.04	38	770	<2	0.30	2	23	72
H136209		20	<1	<0.01	<10	3.33	1340	<1	0.03	36	640	<2	0.14	<2	30	56
H136210		<10	<1	0.15	<10	3.08	1285	<1	0.03	39	400	<2	0.13	3	21	90
H136211		<10	<1	0.13	<10	2.52	1345	<1	0.03	27	680	<2	0.67	2	22	108
H136212		<10	<1	0.17	<10	3.44	1380	<1	0.03	46	340	<2	0.42	<2	24	129
H136213		<10	<1	0.14	<10	2.68	1445	<1	0.02	28	720	<2	0.82	<2	22	101
H136214		<10	<1	0.10	<10	2.83	1690	<1	0.05	26	720	<2	0.23	<2	24	98
H136215		20	<1	0.09	<10	2.74	1925	<1	0.03	33	610	<2	0.35	<2	25	121
H136216		10	<1	0.03	<10	2.43	1495	<1	0.05	26	810	<2	0.01	<2	33	87
H136217		10	<1	0.03	<10	2.90	1665	<1	0.04	21	800	<2	0.21	11	33	115
H136218		20	<1	0.03	<10	3.09	1470	<1	0.04	22	750	<2	0.23	<2	33	74
H136219		10	<1	0.03	<10	3.36	1445	<1	0.05	43	630	<2	0.14	<2	33	75
H136220		<10	<1	0.05	<10	2.91	1420	<1	0.09	37	630	<2	0.24	9	29	72
H136221		<10	<1	0.10	<10	2.64	1350	<1	0.07	35	660	<2	0.13	4	23	99
H136222		<10	<1	0.13	<10	2.96	1470	<1	0.07	42	620	<2	0.23	5	25	108
H136223		20	1	0.01	<10	3.38	1500	<1	0.03	43	650	<2	0.18	<2	34	85
H136224		10	<1	<0.01	<10	3.51	1345	<1	0.03	44	420	<2	0.18	<2	32	100
H136225		<10	<1	0.11	<10	3.31	1300	<1	0.06	43	390	<2	0.25	6	26	108
H136226		10	<1	0.06	<10	3.06	1605	<1	0.04	35	680	<2	0.23	<2	26	107
H136227		10	<1	0.02	<10	3.08	1635	<1	0.04	35	690	<2	0.27	<2	30	96
H136228		20	<1	<0.01	<10	3.43	1640	<1	0.04	40	800	<2	0.22	<2	35	115
H136229		<10	<1	0.05	<10	3.46	1310	<1	0.10	47	510	<2	0.11	<2	32	82
H136230		10	<1	0.03	<10	3.57	1345	<1	0.06	48	480	<2	0.06	<2	33	64



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**CERTIFICATE OF ANALYSIS TR12144025**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
H136191		<20	0.02	<10	<10	183	<10	92
H136192		<20	0.01	<10	<10	49	<10	68
H136193		<20	0.01	<10	<10	60	<10	98
H136194		<20	0.01	<10	<10	39	<10	69
H136195		<20	0.01	<10	<10	74	<10	98
H136196		<20	0.01	<10	<10	194	<10	94
H136197		<20	0.01	<10	<10	57	<10	83
H136198		<20	0.01	<10	<10	45	<10	94
H136199		<20	<0.01	<10	<10	46	<10	112
H136200		<20	0.04	<10	<10	42	<10	99
H136201		<20	<0.01	<10	<10	61	<10	102
H136202		<20	<0.01	<10	<10	37	<10	95
H136203		<20	<0.01	<10	<10	47	<10	89
H136204		<20	<0.01	<10	<10	119	<10	80
H136205		<20	<0.01	<10	<10	124	<10	91
H136206		<20	0.01	<10	<10	226	<10	97
H136207		<20	0.30	<10	<10	242	<10	94
H136208		<20	0.14	<10	<10	246	<10	102
H136209		<20	0.07	<10	<10	291	<10	89
H136210		<20	<0.01	<10	<10	33	<10	60
H136211		<20	<0.01	<10	<10	41	<10	85
H136212		<20	<0.01	<10	<10	32	<10	80
H136213		<20	<0.01	<10	<10	35	<10	95
H136214		<20	<0.01	<10	<10	46	<10	77
H136215		<20	0.17	<10	<10	263	<10	102
H136216		<20	0.04	<10	<10	239	<10	128
H136217		<20	0.01	<10	<10	255	<10	127
H136218		<20	0.01	<10	<10	262	<10	123
H136219		<20	0.01	<10	<10	221	<10	114
H136220		<20	<0.01	<10	<10	48	<10	101
H136221		<20	<0.01	<10	<10	41	<10	69
H136222		<20	<0.01	<10	<10	35	<10	79
H136223		<20	0.03	<10	<10	329	<10	114
H136224		<20	0.02	<10	<10	263	<10	81
H136225		<20	<0.01	<10	<10	32	<10	76
H136226		<20	<0.01	<10	<10	159	<10	91
H136227		<20	0.03	<10	<10	282	<10	103
H136228		<20	0.06	<10	<10	373	<10	124
H136229		<20	<0.01	<10	<10	80	<10	92
H136230		<20	0.02	<10	<10	194	<10	89





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**CERTIFICATE OF ANALYSIS TR12144025**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
H136231		2.17	0.022	<0.2	1.89	527	<10	30	<0.5	<2	7.5	<0.5	35	39	84	7.17
H136232		4.60	0.011	<0.2	2.46	204	<10	10	<0.5	<2	6.4	<0.5	39	64	74	7.29
H136233		4.25	0.021	<0.2	2.35	136	<10	20	<0.5	<2	6.9	<0.5	37	71	94	7.64
H136234		5.07	<0.005	<0.2	2.34	104	<10	10	<0.5	<2	6.38	<0.5	35	83	78	7.35
H136235		2.52	<0.005	<0.2	0.95	153	<10	20	<0.5	<2	6.23	<0.5	38	22	85	7.19
H136236		20.25	<0.005	<0.2	2.30	12	<10	10	<0.5	<2	5.67	<0.5	36	26	53	9.75
H136237		2.53	0.013	<0.2	0.34	108	<10	40	<0.5	<2	5.48	<0.5	37	5	62	8.81
H136238		3.89	0.164	0.3	0.59	186	<10	60	<0.5	<2	6.46	<0.5	38	6	31	8.79
H136239		3.17	0.066	0.3	0.53	135	<10	50	<0.5	<2	5.86	<0.5	41	5	37	9.27
H136240		2.88	0.493	<0.2	0.76	574	<10	40	<0.5	<2	5.91	<0.5	42	5	31	10.20
H136241		2.00	0.068	<0.2	0.74	786	<10	20	<0.5	<2	6.07	<0.5	41	8	77	9.17
H136242		7.78	0.012	<0.2	2.18	111	<10	20	<0.5	<2	6.00	<0.5	40	39	56	8.49
H136243		6.81	0.010	<0.2	2.00	116	<10	20	<0.5	<2	6.5	<0.5	37	38	72	7.74
H136244		7.17	0.012	<0.2	2.22	340	<10	30	<0.5	<2	7.2	<0.5	35	43	68	7.45
H136251		5.15	<0.005	<0.2	1.01	32	<10	60	0.5	<2	4.96	<0.5	41	57	76	7.52
H136252		3.24	<0.005	<0.2	1.64	27	<10	40	0.5	<2	5.22	<0.5	38	43	74	8.07
H136253		4.55	<0.005	<0.2	5.27	5	<10	20	0.5	<2	6.45	<0.5	45	49	108	10.50
H136254		1.88	0.043	<0.2	1.22	225	<10	40	0.6	<2	7.6	<0.5	34	36	43	10.20
H136255		3.17	<0.005	<0.2	2.84	29	<10	20	<0.5	<2	6.35	<0.5	39	67	83	7.83
H136256		3.08	<0.005	<0.2	2.60	<2	<10	20	0.5	<2	6.86	<0.5	44	43	51	8.61
H136257		4.26	<0.005	<0.2	0.73	99	<10	20	<0.5	<2	6.68	<0.5	37	15	70	9.22



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**CERTIFICATE OF ANALYSIS TR12144025**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
H136231		10	1	0.14	<10	3.34	1440	<1	0.06	39	420	<2	0.24	<2	26	84
H136232		10	<1	0.08	<10	3.47	1395	<1	0.06	44	460	<2	0.17	<2	29	52
H136233		10	<1	0.07	<10	3.44	1330	<1	0.06	48	480	<2	0.11	<2	32	84
H136234		10	<1	0.04	<10	3.42	1285	<1	0.07	46	480	<2	0.12	<2	30	68
H136235		<10	<1	0.07	<10	3.32	1275	<1	0.08	48	480	<2	0.04	<2	27	84
H136236		10	<1	0.03	<10	2.62	1620	<1	0.05	24	990	<2	0.21	<2	32	96
H136237		<10	<1	0.15	<10	2.81	1470	<1	0.03	23	610	<2	0.28	2	23	140
H136238		<10	<1	0.17	<10	3.07	1605	<1	0.02	22	720	<2	0.69	3	26	175
H136239		<10	<1	0.15	<10	3.12	1650	<1	0.02	25	540	<2	0.44	2	27	145
H136240		<10	<1	0.16	<10	3.40	1675	<1	0.03	25	780	3	0.48	<2	29	159
H136241		<10	<1	0.12	<10	3.01	1490	<1	0.06	24	770	<2	0.58	<2	23	96
H136242		10	<1	0.09	<10	3.29	1430	<1	0.04	38	650	<2	0.22	<2	28	92
H136243		10	<1	0.09	<10	3.22	1325	<1	0.04	41	630	<2	0.18	<2	25	79
H136244		10	<1	0.10	<10	3.31	1550	<1	0.03	38	760	<2	0.20	<2	24	111
H136251		<10	<1	0.02	<10	2.02	1705	<1	0.02	47	490	<2	0.14	<2	37	55
H136252		10	<1	0.03	<10	2.41	1530	<1	0.02	37	700	5	0.25	<2	37	68
H136253		20	<1	0.01	<10	3.60	1570	<1	0.02	36	910	<2	0.37	<2	39	86
H136254		<10	<1	0.06	<10	2.97	1955	<1	0.03	35	480	<2	0.25	<2	32	105
H136255		10	<1	0.02	<10	2.63	1360	<1	0.03	47	600	<2	0.33	<2	30	82
H136256		10	<1	0.01	<10	1.95	1635	<1	0.02	41	680	<2	0.89	<2	30	111
H136257		<10	<1	0.11	<10	3.10	1755	<1	0.04	29	480	<2	0.07	11	31	142



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**CERTIFICATE OF ANALYSIS TR12144025**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
H136231		<20	<0.01	<10	<10	92	<10	82
H136232		<20	<0.01	<10	<10	139	<10	88
H136233		<20	<0.01	<10	<10	124	<10	80
H136234		<20	<0.01	<10	<10	132	<10	84
H136235		<20	<0.01	<10	<10	34	<10	91
H136236		<20	0.01	<10	<10	210	<10	130
H136237		<20	<0.01	<10	<10	32	<10	107
H136238		<20	<0.01	<10	<10	43	<10	74
H136239		<20	<0.01	<10	<10	39	<10	88
H136240		<20	<0.01	<10	<10	40	<10	117
H136241		<20	<0.01	<10	<10	58	<10	120
H136242		<20	<0.01	<10	<10	133	<10	101
H136243		<20	<0.01	<10	<10	115	<10	98
H136244		<20	<0.01	<10	<10	121	<10	86
H136251		<20	<0.01	<10	<10	220	<10	106
H136252		<20	<0.01	<10	<10	234	<10	124
H136253		<20	0.06	<10	<10	367	<10	142
H136254		<20	<0.01	<10	<10	129	<10	107
H136255		<20	0.01	<10	<10	210	<10	84
H136256		<20	0.01	<10	<10	255	<10	140
H136257		<20	<0.01	<10	<10	84	<10	94



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**CERTIFICATE TR12138349**

Project: CMV12-01  
 P.O. No.: CMV12-01-3  
 This report is for 27 Drill Core samples submitted to our lab in Terrace, BC, Canada on 26-JUN-2012.  
 The following have access to data associated with this certificate:

DACRY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12138349**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
H136051		3.28	1.265	0.6	0.26	2850	<10	30	<0.5	<2	7.0	<0.5	32	5	39	7.85
H136052		6.46	0.007	<0.2	1.25	120	<10	<10	<0.5	<2	6.32	<0.5	34	18	50	7.03
H136053		4.84	0.410	<0.2	0.91	745	<10	20	<0.5	<2	6.64	<0.5	34	12	55	7.03
H136054		2.72	<0.005	<0.2	3.96	9	<10	<10	<0.5	<2	5.25	<0.5	38	49	57	8.97
H136055		11.47	0.038	<0.2	2.17	66	<10	<10	<0.5	<2	5.72	<0.5	36	28	52	8.82
H136056		4.06	0.112	0.2	1.34	1280	<10	10	<0.5	<2	6.11	<0.5	34	9	76	8.65
H136057		5.33	0.069	<0.2	0.72	130	<10	10	<0.5	<2	5.20	<0.5	38	8	53	8.76
H136058		6.17	<0.005	<0.2	0.98	100	<10	<10	<0.5	<2	5.95	<0.5	35	16	54	8.48
H136059		5.48	0.083	<0.2	0.71	903	<10	<10	<0.5	<2	5.80	<0.5	33	9	37	8.32
H136060		0.09	0.263	0.4	0.39	477	<10	740	<0.5	<2	1.05	<0.5	4	43	40	4.02
H136061		5.71	0.072	<0.2	2.00	209	<10	10	<0.5	<2	6.06	<0.5	36	29	60	9.02
H136062		3.96	0.027	<0.2	1.70	83	<10	10	<0.5	<2	5.66	<0.5	34	21	54	8.75
H136063		6.44	0.207	<0.2	0.42	424	<10	20	<0.5	<2	5.81	<0.5	35	9	49	8.40
H136064		10.50	0.051	<0.2	0.46	289	<10	10	<0.5	<2	5.77	<0.5	39	16	61	7.68
H136065		3.22	0.009	<0.2	0.37	123	<10	20	<0.5	<2	4.82	<0.5	34	18	64	7.34
H136066		8.41	<0.005	<0.2	1.21	18	<10	<10	<0.5	<2	5.41	<0.5	38	41	70	7.25
H136067		4.28	0.078	<0.2	0.33	186	<10	10	<0.5	<2	6.66	<0.5	40	17	66	6.81
H136068		3.60	4.11	0.9	0.34	371	<10	30	<0.5	<2	5.84	<0.5	33	20	61	6.71
H136069		2.82	0.045	0.3	0.42	183	<10	20	<0.5	<2	6.08	<0.5	36	16	45	7.56
H136070		0.36	<0.005	<0.2	0.06	<2	<10	<10	<0.5	<2	>25.0	<0.5	1	1	1	0.10
H136071		6.31	<0.005	<0.2	1.89	102	<10	<10	<0.5	<2	5.75	<0.5	36	32	69	7.87
H136072		8.49	<0.005	<0.2	2.67	63	<10	<10	<0.5	<2	5.75	<0.5	31	57	60	7.74
H136073		7.17	0.008	<0.2	2.39	57	<10	<10	<0.5	<2	5.99	<0.5	32	45	54	7.95
H136074		3.34	0.104	<0.2	3.10	573	<10	<10	<0.5	<2	7.3	<0.5	31	55	67	7.88
H136075		3.49	0.035	<0.2	2.97	263	<10	<10	<0.5	<2	6.55	<0.5	30	57	54	7.62
H136076		5.97	<0.005	<0.2	4.37	14	<10	<10	<0.5	<2	6.52	<0.5	34	71	61	7.78
H136077		6.56	<0.005	<0.2	2.55	73	<10	10	<0.5	<2	6.40	<0.5	31	48	71	7.34



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12138349**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
H136051		<10	<1	0.14	<10	3.05	1535	<1	0.02	33	550	<2	4.71	4	26	323
H136052		<10	<1	0.06	<10	3.22	1360	<1	0.05	36	420	<2	0.17	4	28	97
H136053		<10	<1	0.10	<10	3.05	1365	<1	0.03	35	440	<2	0.53	4	25	141
H136054		10	1	0.02	<10	3.10	1435	<1	0.02	34	790	<2	0.16	2	33	78
H136055		10	<1	0.07	<10	2.90	1515	<1	0.03	34	750	<2	0.23	2	30	85
H136056		<10	<1	0.07	<10	2.53	1390	<1	0.03	31	710	<2	0.41	19	22	104
H136057		<10	1	0.06	<10	2.65	1455	<1	0.05	36	780	<2	0.29	4	27	76
H136058		<10	<1	0.04	<10	2.76	1475	<1	0.05	32	760	<2	0.08	2	30	80
H136059		<10	<1	0.05	<10	2.52	1350	<1	0.05	30	770	<2	0.24	2	28	90
H136060		<10	4	0.09	<10	0.04	81	14	0.03	16	140	13	0.21	28	1	82
H136061		10	<1	0.06	<10	2.68	1445	<1	0.03	35	770	<2	0.29	<2	29	102
H136062		10	<1	0.07	<10	2.67	1405	<1	0.03	31	750	<2	0.14	2	29	98
H136063		<10	<1	0.12	<10	2.86	1510	<1	0.03	32	710	<2	0.44	3	24	110
H136064		<10	<1	0.10	<10	3.36	1365	<1	0.04	40	660	<2	0.17	5	27	88
H136065		<10	<1	0.13	<10	3.45	1175	<1	0.02	38	530	<2	0.05	<2	25	84
H136066		<10	1	0.09	<10	3.42	1275	<1	0.05	43	560	<2	0.02	3	31	69
H136067		<10	<1	0.10	<10	3.65	1360	<1	0.04	57	450	<2	0.22	<2	24	104
H136068		<10	<1	0.15	<10	3.48	1370	<1	0.02	54	370	<2	1.29	12	25	206
H136069		<10	<1	0.12	<10	3.47	1515	<1	0.02	52	450	<2	0.18	9	24	143
H136070		<10	<1	0.01	<10	1.48	50	<1	0.02	2	40	<2	0.07	2	<1	5440
H136071		10	<1	0.08	<10	3.19	1455	<1	0.04	39	670	<2	0.06	<2	29	76
H136072		10	<1	0.02	<10	3.34	1565	<1	0.05	37	630	<2	0.14	2	32	48
H136073		10	<1	0.06	<10	3.12	1405	<1	0.04	37	630	<2	0.13	<2	33	69
H136074		10	<1	0.04	<10	3.15	1465	<1	0.02	34	590	<2	0.19	3	31	108
H136075		10	<1	0.05	<10	3.01	1475	<1	0.03	35	620	<2	0.11	2	32	103
H136076		10	<1	<0.01	<10	3.18	1325	<1	0.03	40	650	<2	0.11	4	34	62
H136077		10	<1	0.03	<10	3.15	1595	<1	0.04	37	600	2	0.12	<2	30	66



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**CERTIFICATE OF ANALYSIS TR12138349**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
H136051		<20	<0.01	<10	<10	25	<10	59
H136052		<20	<0.01	<10	<10	64	<10	77
H136053		<20	<0.01	<10	<10	38	<10	72
H136054		<20	0.03	<10	<10	293	<10	115
H136055		<20	0.01	<10	<10	132	<10	109
H136056		<20	<0.01	<10	<10	29	<10	100
H136057		<20	<0.01	<10	<10	38	<10	99
H136058		<20	<0.01	<10	<10	76	<10	102
H136059		<20	<0.01	<10	<10	49	<10	95
H136060		<20	0.01	10	<10	29	10	24
H136061		<20	<0.01	<10	<10	143	<10	104
H136062		<20	<0.01	<10	<10	100	<10	103
H136063		<20	<0.01	<10	<10	41	<10	87
H136064		<20	<0.01	<10	<10	33	<10	87
H136065		<20	<0.01	<10	<10	27	<10	84
H136066		<20	<0.01	<10	<10	60	<10	84
H136067		<20	<0.01	<10	<10	28	<10	69
H136068		<20	<0.01	<10	<10	25	<10	70
H136069		<20	<0.01	<10	<10	24	<10	90
H136070		20	<0.01	<10	<10	1	<10	<2
H136071		<20	<0.01	<10	<10	98	<10	93
H136072		<20	0.01	<10	<10	183	<10	85
H136073		<20	0.01	<10	<10	144	<10	90
H136074		<20	0.04	<10	<10	198	<10	91
H136075		<20	0.04	<10	<10	193	<10	90
H136076		<20	0.07	<10	<10	290	<10	92
H136077		<20	0.01	<10	<10	179	<10	82



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**CERTIFICATE TR12157936**

Project: CMV12-01  
 P.O. No.: CMV12-01\_9  
 This report is for 30 Drill Core samples submitted to our lab in Terrace, BC, Canada on 11-JUL-2012.  
 The following have access to data associated with this certificate:

DACRY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager





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**CERTIFICATE OF ANALYSIS TR12157936**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
H136351		0.60	0.393	<0.2	0.25	3730	<10	10	<0.5	<2	6.75	<0.5	24	8	112	5.80
H136352		3.63	0.007	<0.2	0.46	154	<10	20	<0.5	<2	5.99	<0.5	31	18	62	7.73
H136353		1.30	<0.005	<0.2	0.49	114	<10	20	<0.5	<2	5.32	<0.5	36	11	64	8.46
H136354		1.22	<0.005	<0.2	1.37	71	<10	20	<0.5	<2	6.88	<0.5	35	37	75	6.75
H136355		7.54	<0.005	<0.2	4.01	9	<10	20	<0.5	<2	7.3	<0.5	33	67	66	7.92
H136356		6.95	<0.005	<0.2	3.34	10	<10	20	<0.5	<2	5.93	<0.5	34	62	66	7.36
H136357		7.83	<0.005	<0.2	3.71	3	<10	10	<0.5	<2	3.63	<0.5	34	69	78	7.84
H136078		4.56	0.022	<0.2	3.53	45	<10	400	<0.5	<2	2.43	<0.5	34	51	60	7.37
H136079		5.94	0.070	<0.2	0.57	233	<10	30	<0.5	<2	6.38	<0.5	30	17	55	7.42
H136080		0.08	0.285	0.3	0.41	462	<10	1300	<0.5	<2	1.04	<0.5	3	42	39	4.04
H136081		5.12	0.097	<0.2	1.09	315	<10	20	<0.5	<2	5.66	<0.5	34	10	56	8.69
H136082		6.31	0.035	<0.2	2.73	93	<10	20	<0.5	<2	5.51	<0.5	35	30	76	8.48
H136083		5.41	<0.005	<0.2	3.13	13	<10	10	<0.5	<2	5.84	<0.5	32	37	60	8.29
H136084		5.30	<0.005	0.2	3.92	27	<10	10	<0.5	<2	5.80	<0.5	37	42	69	9.00
H136085		5.33	<0.005	<0.2	3.82	28	<10	10	<0.5	<2	6.11	<0.5	36	38	66	9.11
H136086		6.88	<0.005	<0.2	4.33	11	<10	10	<0.5	<2	5.41	<0.5	35	43	60	8.82
H136087		2.55	<0.005	<0.2	4.23	50	<10	10	<0.5	<2	5.96	<0.5	36	39	61	8.92
H136088		1.63	0.009	<0.2	0.36	90	<10	20	<0.5	<2	6.43	<0.5	31	5	37	7.79
H136089		2.68	0.027	<0.2	0.55	192	<10	30	<0.5	<2	6.9	<0.5	32	11	66	6.47
H136090		0.34	<0.005	0.7	0.04	6	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	<1	0.07
H136091		2.82	<0.005	<0.2	0.38	151	<10	30	<0.5	<2	6.06	<0.5	33	12	68	6.43
H136092		6.98	<0.005	<0.2	1.21	108	<10	30	<0.5	<2	6.8	<0.5	32	30	60	6.90
H136093		1.33	0.057	<0.2	0.48	131	<10	20	<0.5	<2	7.4	<0.5	29	13	40	8.18
H136094		5.70	<0.005	<0.2	3.49	121	<10	10	<0.5	<2	5.49	<0.5	34	33	69	9.66
H136095		8.04	0.033	<0.2	1.14	587	<10	10	<0.5	<2	5.77	<0.5	30	13	56	7.92
H136096		2.28	0.174	<0.2	0.42	475	<10	40	<0.5	<2	5.28	<0.5	32	7	52	8.34
H136097		1.68	1.280	1.0	0.37	865	<10	50	<0.5	<2	5.90	<0.5	36	7	253	8.44
H136098		1.41	0.081	<0.2	0.56	178	<10	30	<0.5	<2	6.46	<0.5	29	6	44	7.94
H136099		4.15	0.066	<0.2	0.44	212	<10	30	<0.5	<2	5.50	<0.5	34	9	61	8.03
H136100		0.08	0.765	2.2	0.72	27	<10	90	<0.5	<2	1.88	0.7	7	32	7040	6.71



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**CERTIFICATE OF ANALYSIS TR12157936**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
H136351		<10	<1	0.06	<10	2.04	1195	<1	0.04	29	710	3	0.27	4	13	71
H136352		<10	<1	0.12	<10	3.13	1570	<1	0.05	37	790	4	0.14	3	24	77
H136353		<10	1	0.11	<10	3.39	1480	<1	0.04	33	590	<2	0.21	9	24	74
H136354		10	<1	0.05	<10	2.68	1920	<1	0.02	29	850	<2	0.17	5	34	93
H136355		10	<1	0.02	<10	3.01	1450	<1	0.02	32	810	<2	0.23	<2	27	96
H136356		10	<1	0.02	<10	2.75	1440	<1	0.02	34	800	<2	0.31	2	24	90
H136357		10	1	0.01	<10	2.88	1265	<1	0.03	35	880	<2	0.15	2	17	57
H136078		10	1	0.07	<10	2.48	1205	<1	0.03	39	740	<2	0.10	2	18	42
H136079		<10	<1	0.09	<10	1.43	1565	<1	0.03	26	700	2	0.08	2	28	54
H136080		<10	4	0.10	10	0.04	78	13	0.03	13	150	12	0.23	30	1	76
H136081		<10	1	0.11	<10	2.76	1375	<1	0.03	27	760	<2	0.36	3	24	76
H136082		10	<1	0.07	<10	2.73	1480	<1	0.02	26	780	<2	0.40	<2	29	101
H136083		10	1	0.03	<10	2.84	1505	<1	0.03	26	820	2	0.10	<2	32	102
H136084		20	1	0.01	<10	3.04	1575	<1	0.03	29	870	<2	0.15	<2	34	98
H136085		10	<1	0.04	<10	3.02	1590	<1	0.03	29	840	2	0.13	<2	34	88
H136086		20	<1	0.01	<10	3.15	1615	<1	0.03	28	880	3	0.12	<2	30	115
H136087		20	1	0.03	<10	3.10	1515	<1	0.02	29	870	<2	0.18	<2	33	65
H136088		<10	<1	0.11	<10	2.81	1500	<1	0.02	22	750	<2	0.11	3	22	79
H136089		<10	<1	0.18	<10	3.50	1315	<1	0.02	44	420	<2	0.17	26	20	146
H136090		<10	<1	<0.01	<10	1.72	32	<1	0.01	<1	40	<2	0.06	<2	<1	4710
H136091		<10	<1	0.13	<10	3.52	1225	<1	0.03	42	420	<2	0.16	23	22	119
H136092		<10	<1	0.10	<10	3.13	1325	<1	0.03	36	570	3	0.19	6	27	98
H136093		<10	1	0.09	<10	3.36	1655	<1	0.02	23	630	<2	0.40	3	25	135
H136094		10	<1	0.04	<10	3.41	1375	<1	0.03	28	820	2	0.23	<2	31	59
H136095		<10	<1	0.07	<10	3.08	1410	<1	0.06	25	730	2	0.12	6	24	71
H136096		<10	<1	0.13	<10	3.23	1600	<1	0.02	26	710	2	0.62	<2	23	135
H136097		<10	<1	0.18	<10	3.44	1640	<1	0.03	29	690	3	0.73	17	26	158
H136098		<10	<1	0.11	<10	2.75	1540	<1	0.02	25	740	3	0.30	<2	22	120
H136099		<10	<1	0.12	<10	2.88	1445	<1	0.03	30	760	<2	0.40	4	24	87
H136100		<10	2	0.30	<10	0.90	908	7	0.06	14	640	21	2.80	27	3	64



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12157936**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
H136351		<20	<0.01	<10	<10	26	<10	40
H136352		<20	<0.01	<10	<10	35	<10	90
H136353		<20	<0.01	<10	<10	34	<10	88
H136354		<20	<0.01	<10	<10	166	<10	103
H136355		<20	0.06	<10	<10	237	<10	90
H136356		<20	0.16	<10	<10	229	<10	93
H136357		<20	0.17	<10	<10	238	<10	103
H136078		<20	0.28	<10	<10	192	<10	86
H136079		<20	<0.01	<10	<10	82	<10	95
H136080		<20	0.01	10	<10	28	10	23
H136081		<20	<0.01	<10	<10	41	<10	91
H136082		<20	0.01	<10	<10	189	<10	100
H136083		<20	0.02	<10	<10	238	<10	95
H136084		<20	0.03	<10	<10	303	<10	105
H136085		<20	0.04	<10	<10	262	<10	109
H136086		<20	0.08	<10	<10	304	<10	104
H136087		<20	0.03	<10	<10	286	<10	110
H136088		<20	<0.01	<10	<10	26	<10	91
H136089		<20	<0.01	<10	<10	18	<10	64
H136090		20	<0.01	<10	10	2	<10	<2
H136091		<20	<0.01	<10	<10	22	<10	64
H136092		<20	<0.01	<10	<10	106	<10	71
H136093		<20	<0.01	<10	<10	65	<10	81
H136094		<20	0.01	<10	<10	194	<10	101
H136095		<20	<0.01	<10	<10	69	<10	148
H136096		<20	<0.01	<10	<10	32	<10	77
H136097		<20	<0.01	<10	<10	33	<10	115
H136098		<20	<0.01	<10	<10	24	<10	85
H136099		<20	<0.01	<10	<10	44	<10	98
H136100		<20	0.04	<10	<10	42	<10	100



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**CERTIFICATE TR12144025**

Project: CMV12-01  
 P.O. No.: CMV12-01\_1  
 This report is for 101 Drill Core samples submitted to our lab in Terrace, BC, Canada on 22-JUN-2012.  
 The following have access to data associated with this certificate:

DACRY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12144025**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
H136151		2.92	0.007	<0.2	1.38	57	<10	30	<0.5	<2	6.3	<0.5	33	32	52	8.17
H136152		6.25	0.023	<0.2	2.62	73	<10	10	<0.5	<2	5.90	<0.5	37	40	61	8.82
H136153		6.09	0.008	<0.2	1.90	49	<10	20	<0.5	<2	6.39	<0.5	37	28	57	9.00
H136154		2.44	0.152	0.4	0.67	60	<10	10	<0.5	<2	5.72	<0.5	30	15	49	7.60
H136155		3.60	<0.005	<0.2	3.19	8	<10	10	<0.5	<2	5.56	<0.5	36	45	51	9.49
H136156		1.90	0.040	<0.2	0.44	113	<10	20	<0.5	<2	5.85	<0.5	38	14	70	8.26
H136157		1.01	0.321	<0.2	0.33	162	<10	20	<0.5	<2	5.62	<0.5	26	18	39	5.36
H136158		2.39	0.287	<0.2	0.45	149	<10	20	<0.5	<2	5.73	<0.5	29	9	43	7.98
H136159		0.83	0.174	0.2	0.17	191	<10	20	<0.5	<2	5.19	<0.5	38	11	54	8.05
H136160		0.07	0.266	0.3	0.40	483	<10	760	<0.5	<2	1.04	<0.5	3	43	40	3.97
H136161		4.30	<0.005	<0.2	1.55	52	<10	20	<0.5	<2	5.90	<0.5	38	27	55	8.65
H136162		4.93	<0.005	<0.2	2.76	40	<10	10	<0.5	<2	5.91	<0.5	36	38	64	8.86
H136163		3.91	0.274	0.3	0.62	160	<10	20	<0.5	<2	5.97	<0.5	32	20	52	7.74
H136164		4.89	<0.005	0.2	3.44	19	<10	10	<0.5	<2	5.93	<0.5	37	32	49	9.86
H136165		6.15	<0.005	<0.2	3.30	52	<10	10	<0.5	<2	6.39	<0.5	39	24	61	9.96
H136166		5.45	0.022	<0.2	0.70	113	<10	20	<0.5	<2	6.02	<0.5	33	20	59	7.72
H136167		4.67	0.010	<0.2	1.72	131	<10	10	<0.5	<2	5.67	<0.5	36	25	82	8.88
H136168		4.89	0.017	0.2	0.58	135	<10	20	<0.5	<2	5.91	<0.5	35	15	56	8.34
H136169		1.32	0.021	<0.2	0.48	133	<10	10	<0.5	<2	5.18	<0.5	30	20	63	7.20
H136170		0.31	<0.005	<0.2	0.07	4	<10	<10	<0.5	<2	>25.0	<0.5	1	1	1	0.10
H136171		5.81	0.052	0.2	0.60	969	<10	30	<0.5	<2	6.6	<0.5	32	10	47	7.69
H136172		1.72	0.011	<0.2	0.33	129	<10	40	<0.5	<2	5.84	<0.5	32	13	63	7.87
H136173		4.32	0.746	0.3	0.54	562	<10	30	<0.5	<2	6.07	<0.5	32	11	44	8.23
H136174		3.45	<0.005	0.2	2.38	59	<10	10	<0.5	<2	6.84	<0.5	30	83	58	7.00
H136175		3.27	<0.005	0.2	2.80	66	<10	10	<0.5	<2	6.64	<0.5	36	97	63	7.58
H136176		6.98	<0.005	<0.2	2.38	83	<10	30	<0.5	<2	6.5	<0.5	34	35	56	8.14
H136177		6.38	<0.005	0.2	2.35	96	<10	10	<0.5	<2	6.33	<0.5	34	31	57	8.05
H136178		1.91	0.096	<0.2	0.42	189	<10	40	<0.5	<2	5.53	<0.5	32	13	54	6.33
H136179		6.93	0.229	<0.2	0.82	142	<10	40	<0.5	<2	6.07	<0.5	29	26	54	6.98
H136180		0.07	3.53	3.7	1.46	275	<10	320	<0.5	<2	1.28	1.3	8	53	73	3.26
H136181		7.02	0.014	0.2	0.88	79	<10	30	<0.5	<2	6.12	<0.5	26	18	47	7.60
H136182		6.93	0.005	<0.2	0.79	110	<10	30	<0.5	<2	6.8	<0.5	32	26	56	7.39
H136183		7.01	0.028	<0.2	0.79	176	<10	40	<0.5	<2	7.64	<0.5	28	24	53	6.67
H136184		1.47	0.018	<0.2	1.15	89	<10	240	<0.5	<2	8.2	<0.5	32	21	62	6.59
H136185		5.68	<0.005	<0.2	4.84	5	<10	20	<0.5	<2	4.69	<0.5	37	54	66	9.61
H136186		6.77	<0.005	<0.2	4.66	2	<10	10	<0.5	<2	4.74	<0.5	37	52	61	9.17
H136187		2.54	0.022	<0.2	3.56	123	<10	20	0.5	<2	6.40	<0.5	37	18	74	10.30
H136188		2.94	<0.005	<0.2	4.31	64	<10	10	<0.5	<2	5.89	<0.5	35	45	52	9.14
H136189		4.97	0.006	<0.2	5.05	58	<10	10	<0.5	<2	6.7	<0.5	37	50	59	9.09
H136190		0.35	<0.005	<0.2	0.09	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	1	<1	0.11



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12144025**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
H136151		10	<1	0.03	<10	3.33	1510	<1	0.05	36	590	<2	0.11	<2	31	64
H136152		10	<1	0.03	<10	3.06	1560	<1	0.05	34	750	2	0.28	<2	33	57
H136153		10	<1	0.02	<10	3.17	1615	<1	0.06	32	710	2	0.15	2	34	51
H136154		<10	<1	0.06	<10	2.65	1370	<1	0.04	28	810	2	0.24	3	25	70
H136155		10	<1	0.03	<10	3.13	1640	<1	0.03	33	740	3	0.22	2	32	58
H136156		<10	<1	0.07	<10	2.92	1610	<1	0.04	31	650	2	0.25	2	30	71
H136157		<10	<1	0.07	<10	1.95	1070	<1	0.02	29	1230	3	0.47	<2	20	110
H136158		<10	<1	0.09	<10	2.69	1355	<1	0.04	25	660	3	0.39	<2	25	80
H136159		<10	<1	0.05	<10	2.80	1315	<1	0.03	30	690	2	0.64	2	27	69
H136160		<10	4	0.10	10	0.03	81	14	0.05	16	150	15	0.23	30	1	79
H136161		10	<1	0.03	<10	3.09	1570	<1	0.06	30	700	2	0.17	2	31	55
H136162		10	<1	0.01	<10	2.99	1515	<1	0.04	30	680	3	0.28	<2	33	53
H136163		<10	<1	0.07	<10	2.74	1370	<1	0.06	32	570	3	0.53	3	28	76
H136164		10	<1	0.02	<10	3.18	1700	<1	0.03	28	800	2	0.17	<2	37	74
H136165		10	<1	0.03	<10	3.16	1750	<1	0.03	29	720	<2	0.21	<2	33	76
H136166		<10	<1	0.06	<10	2.51	1585	<1	0.05	30	690	2	0.20	<2	29	58
H136167		10	<1	0.05	<10	2.70	1255	<1	0.05	34	720	<2	0.20	<2	31	50
H136168		<10	<1	0.07	<10	2.89	1485	<1	0.05	33	740	2	0.18	<2	26	73
H136169		<10	<1	0.05	<10	2.99	1285	<1	0.07	35	520	2	0.07	<2	27	60
H136170		<10	<1	0.01	<10	1.55	34	<1	0.02	<1	30	<2	0.09	<2	<1	5340
H136171		<10	<1	0.13	<10	2.88	1385	<1	0.03	35	650	<2	0.32	8	21	133
H136172		<10	<1	0.13	<10	2.72	1410	<1	0.03	36	640	<2	0.23	<2	25	103
H136173		<10	<1	0.09	<10	2.79	1400	<1	0.06	33	600	2	0.86	6	25	96
H136174		10	<1	0.02	<10	3.35	1425	<1	0.05	46	400	3	0.05	<2	31	89
H136175		10	<1	0.03	<10	3.64	1450	<1	0.05	51	440	3	0.05	<2	33	88
H136176		10	<1	0.08	<10	3.11	1335	<1	0.04	40	620	<2	0.19	<2	30	90
H136177		10	<1	0.04	<10	2.77	1430	<1	0.04	35	720	2	0.29	<2	29	61
H136178		<10	<1	0.13	<10	2.85	1165	<1	0.03	42	470	<2	0.41	<2	21	142
H136179		<10	<1	0.09	<10	2.50	1445	<1	0.03	32	540	<2	0.54	3	25	111
H136180		<10	4	0.13	10	0.78	436	12	0.07	38	740	282	0.62	26	4	37
H136181		<10	<1	0.06	<10	2.65	1455	<1	0.04	30	500	<2	0.14	<2	24	98
H136182		<10	<1	0.06	<10	2.85	1440	<1	0.06	38	540	<2	0.07	<2	28	73
H136183		<10	<1	0.09	<10	2.77	1450	<1	0.05	39	500	<2	0.05	<2	24	96
H136184		<10	<1	0.09	<10	2.18	1555	<1	0.05	27	700	<2	0.27	3	27	98
H136185		10	<1	0.01	<10	3.56	1435	<1	0.02	40	830	2	0.23	<2	24	101
H136186		10	<1	0.01	<10	3.47	1530	<1	0.02	39	800	<2	0.18	<2	23	92
H136187		10	<1	0.06	<10	3.29	1215	<1	0.03	38	770	<2	0.32	3	29	126
H136188		10	<1	0.02	<10	3.28	1425	<1	0.02	37	800	2	0.23	<2	32	105
H136189		20	<1	0.01	<10	3.23	1485	<1	0.02	37	800	2	0.15	<2	33	112
H136190		<10	<1	<0.01	<10	1.58	33	<1	0.03	1	30	<2	0.10	<2	<1	4280



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**CERTIFICATE OF ANALYSIS TR12144025**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
H136151		<20	<0.01	<10	<10	98	<10	99
H136152		<20	<0.01	<10	<10	192	<10	107
H136153		<20	<0.01	<10	<10	138	<10	105
H136154		<20	<0.01	<10	<10	59	<10	76
H136155		<20	<0.01	<10	<10	209	<10	105
H136156		<20	<0.01	<10	<10	67	<10	101
H136157		<20	<0.01	<10	<10	48	<10	39
H136158		<20	<0.01	<10	<10	66	<10	86
H136159		<20	<0.01	<10	<10	45	<10	112
H136160		<20	0.01	10	<10	29	10	24
H136161		<20	<0.01	<10	<10	126	<10	98
H136162		<20	<0.01	<10	<10	199	<10	108
H136163		<20	0.01	<10	<10	78	<10	90
H136164		<20	0.01	<10	<10	254	<10	118
H136165		<20	0.01	<10	<10	227	<10	128
H136166		<20	0.01	<10	<10	107	<10	93
H136167		<20	0.01	<10	<10	147	<10	120
H136168		<20	0.01	<10	<10	68	<10	94
H136169		<20	0.01	<10	<10	53	<10	90
H136170		20	0.01	<10	<10	2	<10	2
H136171		<20	0.01	<10	<10	28	<10	80
H136172		<20	0.01	<10	<10	36	<10	83
H136173		<20	0.01	<10	<10	51	<10	82
H136174		<20	0.01	<10	<10	128	<10	83
H136175		<20	0.01	<10	<10	148	<10	92
H136176		<20	0.02	<10	<10	146	<10	92
H136177		<20	0.02	<10	<10	178	<10	102
H136178		<20	0.01	<10	<10	28	<10	70
H136179		<20	0.01	<10	<10	88	<10	75
H136180		<20	0.10	<10	<10	59	<10	262
H136181		<20	0.01	<10	<10	101	<10	78
H136182		<20	0.01	<10	<10	71	<10	84
H136183		<20	0.01	<10	<10	59	<10	62
H136184		<20	0.01	<10	<10	90	<10	96
H136185		<20	0.07	<10	<10	298	<10	114
H136186		<20	0.17	<10	<10	290	<10	117
H136187		<20	0.02	<10	<10	110	<10	107
H136188		<20	0.02	<10	<10	286	<10	122
H136189		<20	0.04	<10	<10	337	<10	112
H136190		20	0.01	<10	<10	3	<10	<2



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**CERTIFICATE OF ANALYSIS TR12144025**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
H136191		1.93	1.525	2.1	2.66	997	<10	20	<0.5	<2	5.72	<0.5	29	29	82	7.44
H136192		6.37	0.048	0.2	1.19	190	<10	10	<0.5	<2	7.5	<0.5	34	22	41	7.09
H136193		6.10	<0.005	<0.2	0.69	101	<10	10	<0.5	<2	6.7	<0.5	31	18	56	7.30
H136194		4.47	0.019	<0.2	0.88	120	<10	10	<0.5	<2	6.8	<0.5	30	20	64	7.13
H136195		5.41	0.012	0.2	0.90	120	<10	10	<0.5	<2	6.09	<0.5	32	22	55	8.40
H136196		5.27	0.435	<0.2	1.02	99	<10	50	0.7	<2	5.46	<0.5	34	27	76	8.34
H136197		3.97	0.042	<0.2	0.68	114	<10	20	<0.5	<2	6.08	<0.5	29	15	25	7.65
H136198		7.94	0.379	<0.2	0.51	268	<10	20	<0.5	<2	5.42	<0.5	33	8	59	8.09
H136199		6.10	<0.005	<0.2	0.47	107	<10	20	<0.5	<2	6.09	<0.5	32	13	88	7.39
H136200		0.07	0.744	2.1	0.69	24	<10	70	<0.5	2	1.81	0.5	8	32	7150	6.54
H136201		3.50	0.033	<0.2	1.78	449	<10	90	<0.5	<2	5.54	<0.5	36	13	76	8.41
H136202		3.09	0.008	<0.2	0.79	58	<10	30	<0.5	<2	5.44	<0.5	34	7	59	8.32
H136203		3.66	0.006	<0.2	0.93	96	<10	20	<0.5	<2	5.27	<0.5	35	9	64	8.01
H136204		7.02	0.038	<0.2	0.93	234	<10	40	<0.5	<2	5.82	<0.5	33	16	60	7.76
H136205		5.80	0.079	0.2	1.66	425	<10	20	0.5	<2	6.08	<0.5	31	19	49	7.72
H136206		8.88	<0.005	<0.2	2.78	30	<10	50	1.2	<2	7.6	<0.5	39	34	53	8.37
H136207		7.46	<0.005	<0.2	2.84	16	<10	30	0.7	<2	3.17	<0.5	38	42	70	8.12
H136208		7.51	<0.005	<0.2	2.97	15	<10	50	0.6	<2	3.96	<0.5	38	51	74	7.94
H136209		7.93	<0.005	<0.2	4.66	34	<10	20	<0.5	<2	6.16	<0.5	35	73	73	8.10
H136210		5.42	0.036	<0.2	0.54	177	<10	40	<0.5	<2	7.2	<0.5	32	15	52	6.69
H136211		4.13	0.330	0.4	0.42	1010	<10	50	<0.5	<2	5.75	<0.5	30	11	52	6.92
H136212		4.79	0.648	0.2	0.46	220	<10	50	<0.5	<2	6.34	<0.5	34	16	73	6.86
H136213		1.07	0.017	0.2	0.39	101	<10	70	<0.5	<2	5.02	<0.5	34	7	175	8.35
H136214		4.80	0.009	0.2	0.44	102	<10	30	<0.5	<2	6.5	<0.5	33	10	45	7.68
H136215		3.27	0.109	<0.2	4.03	68	<10	180	0.6	<2	5.46	<0.5	39	54	75	8.18
H136216		7.77	0.007	<0.2	2.96	11	<10	20	<0.5	<2	5.21	<0.5	39	18	76	9.59
H136217		9.61	0.170	0.3	2.96	26	<10	20	<0.5	<2	5.72	<0.5	37	15	45	9.35
H136218		6.89	<0.005	<0.2	3.37	10	<10	10	<0.5	<2	5.21	<0.5	38	21	55	9.66
H136219		5.91	<0.005	<0.2	3.47	10	<10	40	<0.5	<2	5.46	<0.5	38	101	63	9.06
H136220		3.56	0.038	<0.2	1.12	112	<10	20	0.5	<2	4.98	<0.5	39	15	60	8.95
H136221		2.58	0.044	<0.2	1.01	394	<10	20	<0.5	<2	5.60	<0.5	33	19	33	7.72
H136222		5.65	0.107	<0.2	1.07	815	<10	30	<0.5	<2	6.54	<0.5	37	16	52	8.40
H136223		3.97	<0.005	<0.2	4.41	96	<10	10	<0.5	<2	5.91	<0.5	39	116	67	8.98
H136224		3.55	<0.005	<0.2	4.15	33	<10	10	<0.5	<2	6.2	<0.5	35	87	74	7.18
H136225		6.62	0.062	0.3	1.06	648	<10	20	<0.5	<2	6.41	<0.5	36	13	72	7.43
H136226		3.86	0.071	<0.2	2.01	994	<10	20	<0.5	<2	6.28	<0.5	35	31	37	8.76
H136227		6.45	0.006	<0.2	3.26	96	<10	10	<0.5	<2	5.50	<0.5	35	49	62	8.45
H136228		3.00	<0.005	<0.2	4.73	82	<10	10	<0.5	<2	5.66	<0.5	41	58	80	9.48
H136229		8.15	0.009	<0.2	1.14	241	<10	10	<0.5	<2	6.35	<0.5	37	49	63	7.50
H136230		8.08	<0.005	<0.2	3.02	97	<10	10	<0.5	<2	6.99	<0.5	37	99	72	7.64





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**CERTIFICATE OF ANALYSIS TR12144025**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
H136191		10	<1	0.05	<10	2.37	1255	<1	0.02	30	640	<2	1.38	6	25	126
H136192		<10	<1	0.05	<10	3.22	1460	<1	0.06	41	600	2	0.06	5	28	95
H136193		<10	<1	0.03	<10	2.82	1370	<1	0.08	34	600	<2	0.06	<2	27	60
H136194		<10	<1	0.05	<10	3.33	1335	<1	0.07	40	480	<2	0.06	4	27	74
H136195		<10	<1	0.05	<10	3.35	1505	<1	0.08	36	680	<2	0.17	2	30	77
H136196		<10	<1	0.05	<10	2.28	1630	<1	0.02	30	760	<2	0.47	3	29	93
H136197		<10	<1	0.09	<10	2.93	1400	<1	0.07	34	620	<2	0.17	<2	26	78
H136198		<10	<1	0.07	<10	2.85	1345	<1	0.06	27	730	<2	0.46	2	24	75
H136199		<10	<1	0.08	<10	2.97	1450	3	0.06	64	590	25	0.14	<2	26	72
H136200		<10	2	0.28	<10	0.85	920	8	0.06	14	580	22	2.76	25	3	65
H136201		<10	<1	0.09	<10	2.88	1470	<1	0.04	27	710	<2	0.34	<2	24	85
H136202		<10	<1	0.10	<10	2.75	1525	<1	0.05	24	730	<2	0.27	2	25	74
H136203		<10	<1	0.07	<10	2.71	1415	<1	0.06	27	710	<2	0.29	4	26	76
H136204		<10	<1	0.06	<10	2.46	1625	<1	0.03	26	680	<2	0.22	<2	26	79
H136205		10	<1	0.07	<10	2.56	1660	<1	0.02	23	690	<2	0.22	<2	25	91
H136206		10	<1	0.03	<10	1.74	1535	<1	0.04	29	750	<2	0.37	<2	26	122
H136207		10	<1	0.02	<10	1.98	1335	<1	0.04	33	870	<2	0.18	<2	21	64
H136208		10	<1	0.02	<10	2.04	1355	<1	0.04	38	770	<2	0.30	2	23	72
H136209		20	<1	<0.01	<10	3.33	1340	<1	0.03	36	640	<2	0.14	<2	30	56
H136210		<10	<1	0.15	<10	3.08	1285	<1	0.03	39	400	<2	0.13	3	21	90
H136211		<10	<1	0.13	<10	2.52	1345	<1	0.03	27	680	<2	0.67	2	22	108
H136212		<10	<1	0.17	<10	3.44	1380	<1	0.03	46	340	<2	0.42	<2	24	129
H136213		<10	<1	0.14	<10	2.68	1445	<1	0.02	28	720	<2	0.82	<2	22	101
H136214		<10	<1	0.10	<10	2.83	1690	<1	0.05	26	720	<2	0.23	<2	24	98
H136215		20	<1	0.09	<10	2.74	1925	<1	0.03	33	610	<2	0.35	<2	25	121
H136216		10	<1	0.03	<10	2.43	1495	<1	0.05	26	810	<2	0.01	<2	33	87
H136217		10	<1	0.03	<10	2.90	1665	<1	0.04	21	800	<2	0.21	11	33	115
H136218		20	<1	0.03	<10	3.09	1470	<1	0.04	22	750	<2	0.23	<2	33	74
H136219		10	<1	0.03	<10	3.36	1445	<1	0.05	43	630	<2	0.14	<2	33	75
H136220		<10	<1	0.05	<10	2.91	1420	<1	0.09	37	630	<2	0.24	9	29	72
H136221		<10	<1	0.10	<10	2.64	1350	<1	0.07	35	660	<2	0.13	4	23	99
H136222		<10	<1	0.13	<10	2.96	1470	<1	0.07	42	620	<2	0.23	5	25	108
H136223		20	1	0.01	<10	3.38	1500	<1	0.03	43	650	<2	0.18	<2	34	85
H136224		10	<1	<0.01	<10	3.51	1345	<1	0.03	44	420	<2	0.18	<2	32	100
H136225		<10	<1	0.11	<10	3.31	1300	<1	0.06	43	390	<2	0.25	6	26	108
H136226		10	<1	0.06	<10	3.06	1605	<1	0.04	35	680	<2	0.23	<2	26	107
H136227		10	<1	0.02	<10	3.08	1635	<1	0.04	35	690	<2	0.27	<2	30	96
H136228		20	<1	<0.01	<10	3.43	1640	<1	0.04	40	800	<2	0.22	<2	35	115
H136229		<10	<1	0.05	<10	3.46	1310	<1	0.10	47	510	<2	0.11	<2	32	82
H136230		10	<1	0.03	<10	3.57	1345	<1	0.06	48	480	<2	0.06	<2	33	64



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**CERTIFICATE OF ANALYSIS TR12144025**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
H136191		<20	0.02	<10	<10	183	<10	92
H136192		<20	0.01	<10	<10	49	<10	68
H136193		<20	0.01	<10	<10	60	<10	98
H136194		<20	0.01	<10	<10	39	<10	69
H136195		<20	0.01	<10	<10	74	<10	98
H136196		<20	0.01	<10	<10	194	<10	94
H136197		<20	0.01	<10	<10	57	<10	83
H136198		<20	0.01	<10	<10	45	<10	94
H136199		<20	<0.01	<10	<10	46	<10	112
H136200		<20	0.04	<10	<10	42	<10	99
H136201		<20	<0.01	<10	<10	61	<10	102
H136202		<20	<0.01	<10	<10	37	<10	95
H136203		<20	<0.01	<10	<10	47	<10	89
H136204		<20	<0.01	<10	<10	119	<10	80
H136205		<20	<0.01	<10	<10	124	<10	91
H136206		<20	0.01	<10	<10	226	<10	97
H136207		<20	0.30	<10	<10	242	<10	94
H136208		<20	0.14	<10	<10	246	<10	102
H136209		<20	0.07	<10	<10	291	<10	89
H136210		<20	<0.01	<10	<10	33	<10	60
H136211		<20	<0.01	<10	<10	41	<10	85
H136212		<20	<0.01	<10	<10	32	<10	80
H136213		<20	<0.01	<10	<10	35	<10	95
H136214		<20	<0.01	<10	<10	46	<10	77
H136215		<20	0.17	<10	<10	263	<10	102
H136216		<20	0.04	<10	<10	239	<10	128
H136217		<20	0.01	<10	<10	255	<10	127
H136218		<20	0.01	<10	<10	262	<10	123
H136219		<20	0.01	<10	<10	221	<10	114
H136220		<20	<0.01	<10	<10	48	<10	101
H136221		<20	<0.01	<10	<10	41	<10	69
H136222		<20	<0.01	<10	<10	35	<10	79
H136223		<20	0.03	<10	<10	329	<10	114
H136224		<20	0.02	<10	<10	263	<10	81
H136225		<20	<0.01	<10	<10	32	<10	76
H136226		<20	<0.01	<10	<10	159	<10	91
H136227		<20	0.03	<10	<10	282	<10	103
H136228		<20	0.06	<10	<10	373	<10	124
H136229		<20	<0.01	<10	<10	80	<10	92
H136230		<20	0.02	<10	<10	194	<10	89



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
H136231		2.17	0.022	<0.2	1.89	527	<10	30	<0.5	<2	7.5	<0.5	35	39	84	7.17
H136232		4.60	0.011	<0.2	2.46	204	<10	10	<0.5	<2	6.4	<0.5	39	64	74	7.29
H136233		4.25	0.021	<0.2	2.35	136	<10	20	<0.5	<2	6.9	<0.5	37	71	94	7.64
H136234		5.07	<0.005	<0.2	2.34	104	<10	10	<0.5	<2	6.38	<0.5	35	83	78	7.35
H136235		2.52	<0.005	<0.2	0.95	153	<10	20	<0.5	<2	6.23	<0.5	38	22	85	7.19
H136236		20.25	<0.005	<0.2	2.30	12	<10	10	<0.5	<2	5.67	<0.5	36	26	53	9.75
H136237		2.53	0.013	<0.2	0.34	108	<10	40	<0.5	<2	5.48	<0.5	37	5	62	8.81
H136238		3.89	0.164	0.3	0.59	186	<10	60	<0.5	<2	6.46	<0.5	38	6	31	8.79
H136239		3.17	0.066	0.3	0.53	135	<10	50	<0.5	<2	5.86	<0.5	41	5	37	9.27
H136240		2.88	0.493	<0.2	0.76	574	<10	40	<0.5	<2	5.91	<0.5	42	5	31	10.20
H136241		2.00	0.068	<0.2	0.74	786	<10	20	<0.5	<2	6.07	<0.5	41	8	77	9.17
H136242		7.78	0.012	<0.2	2.18	111	<10	20	<0.5	<2	6.00	<0.5	40	39	56	8.49
H136243		6.81	0.010	<0.2	2.00	116	<10	20	<0.5	<2	6.5	<0.5	37	38	72	7.74
H136244		7.17	0.012	<0.2	2.22	340	<10	30	<0.5	<2	7.2	<0.5	35	43	68	7.45
H136251		5.15	<0.005	<0.2	1.01	32	<10	60	0.5	<2	4.96	<0.5	41	57	76	7.52
H136252		3.24	<0.005	<0.2	1.64	27	<10	40	0.5	<2	5.22	<0.5	38	43	74	8.07
H136253		4.55	<0.005	<0.2	5.27	5	<10	20	0.5	<2	6.45	<0.5	45	49	108	10.50
H136254		1.88	0.043	<0.2	1.22	225	<10	40	0.6	<2	7.6	<0.5	34	36	43	10.20
H136255		3.17	<0.005	<0.2	2.84	29	<10	20	<0.5	<2	6.35	<0.5	39	67	83	7.83
H136256		3.08	<0.005	<0.2	2.60	<2	<10	20	0.5	<2	6.86	<0.5	44	43	51	8.61
H136257		4.26	<0.005	<0.2	0.73	99	<10	20	<0.5	<2	6.68	<0.5	37	15	70	9.22



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12144025**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
H136231		10	1	0.14	<10	3.34	1440	<1	0.06	39	420	<2	0.24	<2	26	84
H136232		10	<1	0.08	<10	3.47	1395	<1	0.06	44	460	<2	0.17	<2	29	52
H136233		10	<1	0.07	<10	3.44	1330	<1	0.06	48	480	<2	0.11	<2	32	84
H136234		10	<1	0.04	<10	3.42	1285	<1	0.07	46	480	<2	0.12	<2	30	68
H136235		<10	<1	0.07	<10	3.32	1275	<1	0.08	48	480	<2	0.04	<2	27	84
H136236		10	<1	0.03	<10	2.62	1620	<1	0.05	24	990	<2	0.21	<2	32	96
H136237		<10	<1	0.15	<10	2.81	1470	<1	0.03	23	610	<2	0.28	2	23	140
H136238		<10	<1	0.17	<10	3.07	1605	<1	0.02	22	720	<2	0.69	3	26	175
H136239		<10	<1	0.15	<10	3.12	1650	<1	0.02	25	540	<2	0.44	2	27	145
H136240		<10	<1	0.16	<10	3.40	1675	<1	0.03	25	780	3	0.48	<2	29	159
H136241		<10	<1	0.12	<10	3.01	1490	<1	0.06	24	770	<2	0.58	<2	23	96
H136242		10	<1	0.09	<10	3.29	1430	<1	0.04	38	650	<2	0.22	<2	28	92
H136243		10	<1	0.09	<10	3.22	1325	<1	0.04	41	630	<2	0.18	<2	25	79
H136244		10	<1	0.10	<10	3.31	1550	<1	0.03	38	760	<2	0.20	<2	24	111
H136251		<10	<1	0.02	<10	2.02	1705	<1	0.02	47	490	<2	0.14	<2	37	55
H136252		10	<1	0.03	<10	2.41	1530	<1	0.02	37	700	5	0.25	<2	37	68
H136253		20	<1	0.01	<10	3.60	1570	<1	0.02	36	910	<2	0.37	<2	39	86
H136254		<10	<1	0.06	<10	2.97	1955	<1	0.03	35	480	<2	0.25	<2	32	105
H136255		10	<1	0.02	<10	2.63	1360	<1	0.03	47	600	<2	0.33	<2	30	82
H136256		10	<1	0.01	<10	1.95	1635	<1	0.02	41	680	<2	0.89	<2	30	111
H136257		<10	<1	0.11	<10	3.10	1755	<1	0.04	29	480	<2	0.07	11	31	142



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12144025**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
H136231		<20	<0.01	<10	<10	92	<10	82
H136232		<20	<0.01	<10	<10	139	<10	88
H136233		<20	<0.01	<10	<10	124	<10	80
H136234		<20	<0.01	<10	<10	132	<10	84
H136235		<20	<0.01	<10	<10	34	<10	91
H136236		<20	0.01	<10	<10	210	<10	130
H136237		<20	<0.01	<10	<10	32	<10	107
H136238		<20	<0.01	<10	<10	43	<10	74
H136239		<20	<0.01	<10	<10	39	<10	88
H136240		<20	<0.01	<10	<10	40	<10	117
H136241		<20	<0.01	<10	<10	58	<10	120
H136242		<20	<0.01	<10	<10	133	<10	101
H136243		<20	<0.01	<10	<10	115	<10	98
H136244		<20	<0.01	<10	<10	121	<10	86
H136251		<20	<0.01	<10	<10	220	<10	106
H136252		<20	<0.01	<10	<10	234	<10	124
H136253		<20	0.06	<10	<10	367	<10	142
H136254		<20	<0.01	<10	<10	129	<10	107
H136255		<20	0.01	<10	<10	210	<10	84
H136256		<20	0.01	<10	<10	255	<10	140
H136257		<20	<0.01	<10	<10	84	<10	94



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**CERTIFICATE TR12195628**

Project: CMV12-01  
 P.O. No.: CMV12-01\_46  
 This report is for 142 Drill Core samples submitted to our lab in Terrace, BC, Canada on 28-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12195628**

Sample Description	Method	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
H137301		2.57	0.286		0.3	0.57	459	<10	40	<0.5	<2	5.78	<0.5	36	16	66
H137302		3.17	0.045		<0.2	0.48	91	<10	30	<0.5	<2	5.78	<0.5	35	26	60
H137303		3.84	0.509		0.5	0.44	616	<10	60	<0.5	<2	6.16	<0.5	33	17	45
H137304		3.54	1.090		1.1	0.38	565	<10	60	<0.5	<2	6.01	<0.5	35	12	68
H137305		3.05	0.462		0.4	0.55	410	<10	80	<0.5	<2	5.77	<0.5	36	13	56
H137306		4.24	0.889		1.4	0.44	883	<10	70	<0.5	<2	6.46	<0.5	34	10	46
H137307		1.96	0.809		0.4	0.16	576	<10	30	<0.5	<2	3.13	<0.5	17	12	7
H137308		2.09	1.060		1.5	0.34	681	<10	60	<0.5	<2	6.21	<0.5	34	6	59
H137309		1.20	1.060		1.6	0.42	719	<10	70	<0.5	<2	7.3	<0.5	33	4	48
H137310		1.30	0.591		1.8	0.29	783	<10	60	<0.5	<2	7.4	0.5	33	5	59
H137311		0.99	0.263		0.4	0.26	356	<10	60	<0.5	<2	16.6	<0.5	19	1	11
H137312		1.25	1.460		7.7	0.11	161	<10	20	<0.5	<2	2.58	0.5	10	16	153
H137313		2.95	0.365		1.9	0.55	468	<10	70	<0.5	<2	7.5	<0.5	34	19	76
H137314		1.43	0.167		0.8	0.39	410	<10	60	<0.5	<2	7.4	<0.5	35	21	44
H137315		1.64	1.185		1.4	0.53	528	<10	80	<0.5	<2	6.53	<0.5	35	10	80
H137316		0.36	0.462		0.6	0.33	158	<10	60	<0.5	<2	8.0	<0.5	6	7	5
H137317		3.03	0.859		1.5	0.60	669	<10	100	<0.5	<2	6.45	<0.5	35	13	53
H137318		0.43	0.070		0.2	0.08	132	<10	20	<0.5	<2	1.15	<0.5	7	17	5
H137319		3.90	0.393		0.7	0.52	721	<10	100	<0.5	<2	6.9	0.5	35	17	34
H137320		0.89	0.109		0.6	0.13	230	<10	70	<0.5	<2	3.09	<0.5	10	19	6
H137321		4.20	0.886		2.7	0.51	766	<10	110	<0.5	<2	7.9	0.5	35	18	95
H137322		2.59	0.451		1.1	0.35	853	<10	80	<0.5	<2	8.5	0.6	36	17	43
H137323		3.40	1.525		1.6	0.71	904	<10	100	0.5	<2	6.76	0.6	39	15	55
H137324		0.52	0.790		2.7	0.56	598	<10	80	<0.5	<2	4.94	<0.5	29	14	69
H137325		0.57	0.533		4.1	0.47	706	<10	100	<0.5	<2	4.21	<0.5	18	7	89
H137326		3.28	0.764		0.5	0.45	254	<10	70	<0.5	<2	7.4	<0.5	34	17	59
H137327		2.10	0.698		0.6	0.54	1140	<10	100	<0.5	<2	7.9	<0.5	31	14	30
H137328		1.62	0.045		1.0	0.04	59	<10	10	<0.5	<2	1.35	<0.5	2	15	23
H137329		0.50	0.452		1.1	0.50	741	<10	100	<0.5	<2	7.12	<0.5	32	14	41
H137330		3.52	0.261		0.9	0.42	327	<10	70	<0.5	<2	5.34	<0.5	36	18	56
H137331		2.89	0.393		0.6	0.60	552	<10	110	<0.5	<2	5.73	0.5	37	17	59
H137332		2.09	1.195		0.6	0.55	1030	<10	90	<0.5	<2	7.9	0.5	41	19	18
H137333		2.13	0.295		<0.2	0.13	199	<10	30	<0.5	<2	0.59	<0.5	6	18	3
H137334		2.53	0.269		0.9	0.40	634	<10	80	<0.5	<2	7.5	0.6	36	13	39
H137335		3.67	0.427		1.4	0.46	576	<10	80	<0.5	<2	6.22	0.5	32	16	64
H137336		1.91	0.926		1.0	0.42	2320	<10	80	<0.5	<2	7.8	<0.5	37	13	39
H137337		1.88	0.431		0.8	0.48	920	<10	80	<0.5	<2	6.28	0.6	29	16	61
H137338		0.52	2.55		0.7	0.12	590	<10	20	<0.5	<2	1.31	<0.5	13	16	9
H137339		2.12	1.280		2.2	0.56	843	<10	70	<0.5	<2	5.42	<0.5	32	17	75
H137340		2.47	0.536		0.6	0.40	593	<10	60	<0.5	<2	6.81	0.5	38	14	39



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**CERTIFICATE OF ANALYSIS TR12195628**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
H137301		7.67	<10	<1	0.19	<10	2.66	1285	<1	0.03	33	520	<2	3.02	<2	27
H137302		7.52	<10	<1	0.18	<10	2.97	1415	<1	0.04	35	500	2	1.12	3	29
H137303		7.75	<10	<1	0.20	<10	2.93	1335	<1	0.03	30	480	3	4.55	2	26
H137304		7.94	<10	<1	0.20	<10	2.86	1300	<1	0.03	31	470	3	4.06	5	26
H137305		7.61	<10	1	0.26	<10	2.84	1300	<1	0.03	30	560	3	2.85	3	27
H137306		7.68	<10	<1	0.23	<10	2.90	1385	<1	0.02	30	490	3	5.89	3	27
H137307		4.81	<10	<1	0.09	<10	1.33	711	<1	0.01	16	250	2	4.17	3	11
H137308		7.69	<10	<1	0.18	<10	2.67	1340	<1	0.02	30	550	2	5.92	5	25
H137309		8.03	<10	1	0.23	<10	2.75	1420	<1	0.01	28	590	3	5.90	5	22
H137310		8.06	<10	<1	0.17	<10	3.11	1605	<1	0.01	29	630	4	6.26	9	24
H137311		5.06	<10	<1	0.15	<10	2.07	1225	<1	0.01	18	320	<2	3.42	5	17
H137312		2.35	<10	<1	0.08	<10	0.84	521	<1	0.01	8	110	<2	1.16	41	7
H137313		6.70	<10	<1	0.26	<10	3.28	1290	2	0.04	53	400	2	3.85	7	24
H137314		6.24	<10	<1	0.18	<10	3.35	1220	2	0.03	58	320	<2	3.09	3	24
H137315		7.30	<10	<1	0.26	<10	3.04	1300	2	0.03	34	530	<2	3.60	5	24
H137316		3.49	<10	<1	0.15	<10	3.05	1600	2	0.02	7	6200	3	1.05	2	21
H137317		7.27	<10	<1	0.30	<10	2.89	1280	2	0.02	38	640	2	4.81	7	21
H137318		2.12	<10	<1	0.05	<10	0.48	335	2	0.01	8	140	<2	1.23	<2	4
H137319		7.91	<10	1	0.25	<10	3.08	1390	2	0.02	45	450	3	4.98	6	21
H137320		3.24	<10	<1	0.06	<10	1.24	638	3	0.01	15	350	<2	1.73	<2	8
H137321		7.00	<10	<1	0.26	<10	3.50	1350	2	0.03	53	160	2	3.91	19	24
H137322		7.01	<10	<1	0.18	<10	3.83	1370	2	0.02	64	130	2	3.68	7	25
H137323		8.93	<10	1	0.29	<10	3.02	1340	2	0.02	46	420	6	7.04	10	22
H137324		7.36	<10	<1	0.17	<10	2.08	1020	2	0.02	36	620	<2	5.33	13	15
H137325		4.71	<10	<1	0.22	<10	1.27	799	2	0.03	17	460	<2	2.22	5	10
H137326		7.11	<10	1	0.19	<10	2.85	1240	2	0.03	47	750	<2	1.50	3	18
H137327		7.24	<10	1	0.23	<10	2.76	1220	3	0.02	40	640	<2	3.87	9	20
H137328		1.49	<10	<1	0.02	<10	0.29	239	2	0.01	4	150	<2	0.57	13	2
H137329		7.16	<10	1	0.25	<10	2.71	1280	2	0.02	37	270	<2	4.91	10	19
H137330		7.99	<10	<1	0.19	<10	3.11	1350	2	0.03	42	500	2	2.51	5	21
H137331		8.54	<10	<1	0.27	<10	3.05	1330	2	0.03	43	560	<2	4.04	6	20
H137332		8.72	<10	1	0.26	<10	3.19	1490	2	0.02	55	2660	2	7.21	8	22
H137333		1.98	<10	<1	0.07	<10	0.20	191	2	0.01	8	400	<2	1.34	<2	1
H137334		7.61	<10	<1	0.21	<10	3.00	1360	2	0.02	45	460	2	4.98	5	18
H137335		6.99	<10	<1	0.22	<10	2.70	1220	2	0.02	35	370	<2	3.93	9	18
H137336		8.28	<10	1	0.21	<10	2.86	1360	2	0.02	47	430	4	5.50	7	21
H137337		8.23	<10	1	0.24	<10	2.38	1140	2	0.02	40	1110	2	6.24	8	18
H137338		4.66	<10	<1	0.05	<10	0.40	293	2	0.01	20	1070	<2	4.15	4	3
H137339		9.45	<10	<1	0.23	<10	2.25	1080	2	0.02	38	690	2	8.50	10	18
H137340		8.28	<10	1	0.17	<10	2.65	1240	2	0.02	42	540	2	5.49	7	21





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**CERTIFICATE OF ANALYSIS TR12195628**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
H137301		107	<20	<0.01	<10	<10	47	<10	88
H137302		76	<20	<0.01	<10	<10	44	<10	86
H137303		172	<20	<0.01	<10	<10	37	<10	78
H137304		175	<20	<0.01	<10	<10	35	<10	92
H137305		126	<20	<0.01	<10	<10	46	<10	80
H137306		188	<20	<0.01	<10	<10	32	<10	67
H137307		99	<20	<0.01	<10	<10	12	<10	23
H137308		175	<20	<0.01	<10	<10	29	<10	75
H137309		248	<20	<0.01	<10	<10	32	<10	47
H137310		288	<20	<0.01	<10	<10	27	<10	116
H137311		256	<20	<0.01	<10	<10	23	<10	25
H137312		94	<20	<0.01	<10	<10	7	<10	86
H137313		189	<20	<0.01	<10	<10	30	<10	59
H137314		182	<20	<0.01	<10	<10	26	<10	56
H137315		207	<20	<0.01	<10	<10	33	<10	64
H137316		354	<20	<0.01	<10	<10	28	<10	22
H137317		280	<20	<0.01	<10	<10	37	<10	60
H137318		43	<20	<0.01	<10	<10	7	<10	8
H137319		254	<20	<0.01	<10	<10	35	<10	55
H137320		106	<20	<0.01	<10	<10	16	<10	14
H137321		315	<20	<0.01	<10	<10	33	<10	61
H137322		296	<20	<0.01	<10	<10	26	<10	40
H137323		284	<20	<0.01	<10	<10	44	<10	69
H137324		151	<20	0.01	<10	<10	34	<10	70
H137325		100	<20	<0.01	<10	<10	28	<10	42
H137326		173	<20	<0.01	<10	<10	29	<10	77
H137327		232	<20	<0.01	<10	<10	37	<10	57
H137328		24	<20	<0.01	<10	<10	6	<10	8
H137329		278	<20	<0.01	10	<10	35	<10	36
H137330		145	<20	<0.01	<10	<10	30	<10	84
H137331		164	<20	<0.01	<10	<10	41	<10	70
H137332		244	<20	<0.01	<10	<10	46	<10	43
H137333		18	<20	<0.01	<10	<10	8	<10	6
H137334		220	<20	<0.01	<10	<10	27	<10	64
H137335		164	<20	<0.01	<10	<10	31	<10	108
H137336		232	<20	<0.01	<10	<10	28	<10	59
H137337		181	<20	<0.01	<10	<10	33	<10	69
H137338		34	<20	<0.01	<10	<10	10	<10	24
H137339		153	<20	<0.01	<10	<10	40	<10	50
H137340		134	<20	<0.01	<10	<10	33	<10	75



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**CERTIFICATE OF ANALYSIS TR12195628**

Sample Description	Method	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
H137341		1.86	0.296		0.3	0.77	256	<10	80	<0.5	<2	6.54	0.6	40	12	109
H137342		3.28	0.410		0.8	0.45	1240	<10	60	<0.5	<2	5.96	0.5	40	9	55
H137343		1.59	0.448		0.2	0.62	6850	<10	120	<0.5	<2	7.0	0.5	30	10	31
H137344		0.62	0.734		0.2	0.44	9200	<10	60	<0.5	<2	6.53	0.5	30	11	14
H137345		3.09	0.167		0.5	0.71	1120	<10	90	<0.5	<2	6.10	<0.5	38	11	53
H137346		0.67	0.356		0.8	0.45	1165	<10	60	<0.5	<2	6.8	0.5	33	9	87
H137347		0.53	0.293		0.8	0.87	1550	<10	100	<0.5	<2	6.37	0.5	34	14	78
H137348		1.70	1.055		1.1	0.44	1070	<10	80	<0.5	<2	7.7	0.6	38	7	91
H137349		1.87	0.523		0.7	0.68	4080	<10	80	<0.5	<2	6.44	0.5	31	7	133
H137350		1.49	0.848		0.5	0.49	8100	<10	50	<0.5	<2	7.2	0.8	33	5	34
H137351		1.92	0.395		0.2	0.51	1110	<10	60	<0.5	<2	5.22	0.5	34	7	48
H137352		2.96	0.406		0.8	0.43	1710	<10	70	<0.5	<2	6.16	0.7	30	7	68
H137353		0.87	0.602		30.7	0.10	408	<10	20	<0.5	<2	3.19	15.2	13	12	1300
H137354		0.83	0.786		11.4	0.05	181	<10	10	<0.5	<2	1.86	2.5	5	19	331
H137355		3.14	0.132		26.5	0.04	38	<10	10	<0.5	<2	0.38	4.6	8	19	770
H137356		1.59	0.129		0.8	0.01	59	<10	<10	<0.5	<2	0.08	<0.5	1	30	15
H137357		2.72	0.542		0.6	0.02	205	<10	<10	<0.5	<2	0.14	<0.5	4	26	10
H137358		3.30	0.159		0.2	0.03	114	<10	10	<0.5	<2	0.45	<0.5	3	41	3
H137359		2.95	0.044		<0.2	0.01	15	<10	10	<0.5	<2	0.47	<0.5	1	27	2
H137360		0.07	0.263		0.3	0.37	442	<10	1060	<0.5	<2	0.98	<0.5	3	39	38
H137361		2.66	0.212		0.2	0.05	184	<10	10	<0.5	<2	1.04	<0.5	11	29	4
H137362		2.28	0.144		12.1	0.04	98	<10	10	<0.5	<2	0.82	0.6	4	24	305
H137363		1.68	0.453		6.5	0.14	165	<10	20	<0.5	<2	0.58	<0.5	9	22	152
H137364		1.35	0.337		0.3	0.10	268	<10	20	<0.5	<2	0.48	<0.5	9	18	3
H137365		1.06	0.497		0.4	0.18	428	<10	30	<0.5	<2	2.08	<0.5	12	22	4
H137366		1.56	0.506		0.2	0.40	1440	<10	50	<0.5	<2	5.67	0.5	32	7	48
H137367		0.23	0.159		<0.2	0.25	6330	<10	40	<0.5	<2	2.36	<0.5	9	20	2
H137368		1.74	0.421		0.2	0.50	>10000	<10	60	<0.5	<2	6.58	0.6	38	4	52
H137369		0.25	0.197		<0.2	0.80	8080	<10	100	<0.5	<2	3.83	<0.5	19	12	6
H137370		0.77	<0.005		<0.2	0.01	67	10	40	<0.5	<2	20.7	<0.5	1	<1	<1
H137371		2.32	0.990		0.3	0.69	2900	<10	70	<0.5	<2	5.32	0.6	39	5	62
H137372		2.15	0.067		0.4	0.91	257	<10	50	<0.5	<2	5.96	0.5	39	5	124
H137373		2.86	0.747		0.3	0.77	2230	<10	60	0.7	<2	8.0	0.6	32	8	22
H137374		2.02	0.496		0.3	0.40	1210	<10	70	0.6	<2	7.07	0.7	46	7	17
H137375		2.51	0.662		0.3	0.50	1770	<10	50	0.7	<2	6.09	0.7	63	9	11
H137376		3.05	1.495		0.2	0.30	1610	<10	40	<0.5	<2	4.66	0.5	53	8	7
H137377		3.83	0.203		<0.2	0.43	822	<10	100	0.5	<2	8.3	0.5	33	9	7
H137378		3.20	0.260		0.2	0.36	1560	<10	80	<0.5	<2	7.8	0.6	39	7	12
H137379		3.64	1.580		0.5	0.50	2130	<10	50	0.6	<2	6.54	0.7	74	7	23
H137380		0.08	0.679		2.1	0.66	31	<10	80	<0.5	<2	1.78	0.8	8	29	7110



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	
H137341		7.08	<10	1	0.22	<10	2.52	1330	2	0.03	33	670	<2	1.77	4	22
H137342		7.96	<10	1	0.17	<10	2.75	1340	2	0.02	39	430	2	3.50	7	23
H137343		7.62	<10	1	0.23	<10	2.53	1230	2	0.03	37	310	<2	2.83	9	20
H137344		7.75	<10	<1	0.15	<10	2.65	1280	2	0.02	35	350	<2	1.79	7	20
H137345		8.28	<10	<1	0.24	<10	2.94	1450	2	0.03	41	520	<2	1.27	7	23
H137346		6.81	<10	1	0.16	<10	2.63	1330	2	0.03	38	450	<2	2.25	8	22
H137347		7.84	<10	<1	0.25	<10	2.64	1310	2	0.03	39	440	2	3.32	8	23
H137348		7.38	<10	<1	0.19	<10	2.93	1430	2	0.02	38	410	<2	3.86	5	23
H137349		6.32	<10	1	0.24	<10	2.39	1260	<1	0.02	35	420	9	2.37	9	21
H137350		8.03	<10	1	0.14	<10	2.52	1430	<1	0.01	26	340	4	3.39	10	19
H137351		6.82	<10	1	0.14	<10	2.21	1270	<1	0.01	31	490	3	2.61	10	21
H137352		7.70	<10	1	0.18	<10	2.44	1400	<1	0.01	26	270	4	5.03	8	19
H137353		4.73	<10	1	0.04	<10	1.10	970	<1	0.01	28	180	3	3.29	62	7
H137354		2.92	<10	<1	0.03	<10	0.58	628	<1	<0.01	12	130	2	1.61	15	4
H137355		1.22	<10	1	0.01	<10	0.08	157	<1	<0.01	7	130	2	0.60	39	1
H137356		1.29	<10	<1	0.01	<10	0.02	88	<1	<0.01	4	20	<2	0.71	5	<1
H137357		1.87	<10	<1	0.01	<10	0.04	98	<1	<0.01	10	20	2	1.33	6	<1
H137358		1.62	<10	<1	0.02	<10	0.10	167	<1	<0.01	4	10	<2	0.97	2	1
H137359		0.83	<10	<1	<0.01	<10	0.11	144	<1	<0.01	1	20	<2	0.16	<2	1
H137360		3.75	<10	4	0.09	10	0.03	73	12	0.02	14	140	14	0.22	30	1
H137361		2.23	<10	1	0.03	<10	0.31	358	<1	<0.01	4	100	2	1.43	3	2
H137362		1.75	<10	<1	0.02	<10	0.26	252	<1	<0.01	4	60	<2	0.85	20	1
H137363		2.88	<10	<1	0.03	<10	0.19	199	<1	<0.01	9	210	<2	2.39	13	2
H137364		4.01	<10	1	0.03	<10	0.17	192	<1	<0.01	15	60	3	3.54	4	2
H137365		5.70	<10	<1	0.06	<10	0.80	580	<1	0.01	16	210	5	4.85	9	6
H137366		8.49	<10	2	0.14	<10	2.40	1440	<1	0.01	26	560	2	4.75	7	17
H137367		4.10	<10	1	0.10	<10	0.85	597	<1	0.01	11	110	<2	2.11	6	6
H137368		7.42	<10	1	0.17	<10	2.57	1420	<1	0.01	30	570	2	3.38	8	20
H137369		4.99	<10	<1	0.25	<10	1.50	876	<1	0.01	13	230	<2	2.30	4	13
H137370		0.08	<10	1	0.01	<10	12.55	453	<1	0.01	1	50	<2	0.03	<2	<1
H137371		10.05	<10	<1	0.25	<10	2.37	1410	<1	0.02	28	700	5	6.71	6	19
H137372		7.51	<10	<1	0.14	<10	2.37	1410	<1	0.01	33	760	2	1.53	5	19
H137373		8.29	<10	1	0.17	<10	2.43	1560	<1	0.01	35	390	4	6.57	12	20
H137374		9.88	<10	<1	0.22	<10	3.07	1690	<1	0.01	78	250	7	9.09	6	23
H137375		12.20	<10	1	0.28	<10	2.75	1600	<1	0.01	168	160	6	>10.0	7	19
H137376		9.88	<10	1	0.16	<10	2.02	1200	<1	0.01	143	140	6	9.65	4	13
H137377		7.96	<10	<1	0.25	<10	3.39	1780	<1	0.02	43	360	3	4.78	3	23
H137378		8.27	<10	<1	0.20	<10	3.05	1630	<1	0.02	44	280	4	5.24	4	22
H137379		14.00	<10	<1	0.24	<10	2.71	1510	<1	0.02	165	420	8	>10.0	9	20
H137380		6.61	<10	2	0.28	<10	0.84	887	7	0.05	13	600	24	2.64	28	3



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
H137341		97	<20	<0.01	10	<10	50	<10	196
H137342		145	<20	<0.01	<10	<10	32	<10	62
H137343		163	<20	<0.01	<10	<10	41	<10	65
H137344		155	<20	<0.01	<10	<10	33	<10	72
H137345		128	<20	<0.01	<10	<10	45	<10	91
H137346		158	<20	<0.01	<10	<10	33	<10	78
H137347		143	<20	<0.01	<10	<10	55	<10	73
H137348		210	<20	<0.01	<10	<10	32	<10	45
H137349		167	<20	<0.01	<10	<10	38	<10	63
H137350		171	<20	<0.01	<10	<10	32	<10	66
H137351		126	<20	<0.01	<10	<10	35	<10	89
H137352		180	<20	<0.01	10	<10	39	<10	49
H137353		46	<20	<0.01	<10	<10	23	<10	2330
H137354		14	<20	<0.01	<10	<10	14	<10	500
H137355		5	<20	<0.01	<10	<10	3	<10	994
H137356		1	<20	<0.01	<10	<10	1	<10	11
H137357		2	<20	<0.01	<10	<10	1	<10	4
H137358		7	<20	<0.01	<10	<10	3	<10	3
H137359		7	<20	<0.01	<10	<10	2	<10	2
H137360		72	<20	0.01	10	<10	26	10	22
H137361		14	<20	<0.01	<10	<10	7	<10	14
H137362		10	<20	<0.01	<10	<10	5	<10	65
H137363		13	<20	<0.01	<10	<10	10	<10	23
H137364		8	<20	<0.01	<10	<10	9	<10	<2
H137365		37	<20	<0.01	<10	<10	22	<10	5
H137366		170	<20	<0.01	<10	<10	38	<10	72
H137367		64	<20	<0.01	<10	<10	22	<10	11
H137368		194	<20	<0.01	<10	<10	39	<10	80
H137369		120	<20	<0.01	<10	<10	36	<10	35
H137370		225	<20	<0.01	<10	<10	2	<10	13
H137371		151	<20	<0.01	<10	<10	52	<10	79
H137372		118	<20	<0.01	<10	<10	56	<10	106
H137373		166	<20	<0.01	<10	<10	54	<10	36
H137374		269	<20	<0.01	<10	<10	29	<10	31
H137375		221	<20	<0.01	<10	<10	31	<10	28
H137376		153	<20	<0.01	<10	<10	18	<10	22
H137377		283	<20	<0.01	<10	<10	31	<10	40
H137378		275	<20	<0.01	<10	<10	25	<10	37
H137379		227	<20	<0.01	10	<10	30	<10	31
H137380		62	<20	0.04	<10	<10	39	<10	103



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Sample Description	Method	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
H137381		1.91	2.06		<0.2	0.62	1090	<10	60	0.6	<2	7.7	0.5	39	15	44
H137382		2.83	2.19		0.4	0.62	1350	<10	70	0.6	<2	7.9	0.5	46	18	27
H137383		2.68	2.14		0.6	0.37	1910	<10	40	0.5	<2	6.59	0.9	60	12	20
H137384		4.55	3.55		0.6	0.46	1840	<10	50	0.6	<2	6.47	0.5	57	11	26
H137385		2.23	2.92		0.7	0.87	1340	<10	60	0.7	2	6.68	<0.5	45	17	49
H137386		2.77	0.426		0.3	0.94	696	<10	100	0.6	<2	8.3	<0.5	44	31	33
H137387		4.39	1.000		0.4	1.45	902	<10	80	1.0	<2	7.1	<0.5	39	27	47
H137388		2.64	0.005		<0.2	2.89	7	<10	1520	1.4	<2	4.68	<0.5	27	109	49
H137389		0.26	0.009		<0.2	2.60	12	<10	1380	1.1	<2	3.23	<0.5	27	112	36
H137390		0.42	0.007		<0.2	0.03	<2	10	30	<0.5	<2	18.8	<0.5	1	<1	<1
H137391		0.42	<0.005		<0.2	0.81	4	<10	180	<0.5	<2	0.21	<0.5	4	18	39
H137392		0.90	0.008		1.7	1.59	<2	<10	800	0.6	<2	0.59	<0.5	8	25	105
H137393		1.92	0.069		<0.2	0.03	<2	<10	30	<0.5	<2	0.57	<0.5	<1	19	4
H137394		2.97	0.021		<0.2	0.21	2	<10	120	<0.5	<2	2.68	<0.5	2	17	11
H137395		2.69	<0.005		0.2	0.72	3	<10	550	<0.5	<2	0.71	<0.5	12	17	116
H137396		0.33	<0.005		<0.2	0.62	2	<10	140	<0.5	<2	1.37	<0.5	1	17	63
H137397		1.39	0.008		<0.2	1.22	53	<10	60	<0.5	<2	5.54	<0.5	20	33	22
H137398		0.69	<0.005		<0.2	1.54	69	<10	70	0.7	<2	6.83	<0.5	35	36	34
H137399		2.45	0.185		<0.2	0.79	82	<10	90	0.6	<2	6.06	<0.5	36	17	59
H137400		0.08	2.01		0.4	2.13	9	<10	80	<0.5	<2	0.62	<0.5	8	29	613
H137401		3.12	0.134		<0.2	0.96	87	<10	60	0.5	<2	6.41	<0.5	35	14	63
H137402		1.56	0.369		<0.2	0.59	716	<10	80	0.6	<2	10.3	<0.5	32	12	22
H137403		1.82	0.215		<0.2	0.68	98	<10	80	<0.5	<2	5.91	<0.5	34	22	63
H137404		1.32	0.452		<0.2	0.40	688	<10	90	<0.5	<2	6.41	<0.5	36	13	61
H137405		1.33	0.528		<0.2	0.22	539	<10	70	<0.5	<2	6.08	<0.5	24	10	4
H137406		1.72	0.624		<0.2	0.44	1055	<10	110	0.6	<2	8.6	<0.5	41	13	22
H137407		1.37	0.296		<0.2	0.46	469	<10	70	<0.5	<2	8.0	<0.5	36	17	49
H137408		0.66	0.011		<0.2	3.88	148	<10	20	<0.5	<2	9.0	<0.5	38	98	100
H137409		1.77	0.010		<0.2	1.80	10	<10	10	<0.5	<2	3.82	<0.5	12	52	235
H137410		0.69	<0.005		<0.2	0.02	2	20	50	<0.5	<2	17.1	<0.5	<1	<1	<1
H137411		1.13	<0.005		<0.2	4.48	<2	<10	60	0.5	<2	6.07	<0.5	41	79	83
H137412		1.04	1.140		0.3	3.83	3	<10	40	0.6	<2	9.6	<0.5	37	71	63
H137413		1.11	<0.005		<0.2	2.35	6	<10	30	<0.5	<2	4.99	<0.5	22	88	2
H137414		1.91	<0.005		<0.2	3.70	10	<10	30	<0.5	<2	5.93	<0.5	37	125	60
H137415		0.81	0.032		<0.2	3.66	300	<10	220	0.5	<2	7.5	<0.5	35	36	41
H137416		1.74	0.005		<0.2	3.55	3	<10	40	<0.5	<2	4.40	<0.5	36	116	54
H137417		1.50	0.008		<0.2	4.19	6	<10	50	<0.5	<2	5.53	<0.5	39	129	67
H137418		0.70	0.012		<0.2	1.30	22	<10	40	<0.5	<2	9.4	<0.5	14	42	10
H137419		1.08	0.006		<0.2	3.89	13	<10	40	<0.5	<2	5.89	<0.5	39	125	65
H137420		0.07	3.37		3.8	1.41	250	<10	400	<0.5	<2	1.26	1.5	9	53	71



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	
Units		%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	
LOR		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	
H137381		8.45	<10	1	0.19	<10	3.37	1670	<1	0.02	49	730	4	5.91	3	25
H137382		10.55	<10	<1	0.26	<10	3.37	1880	<1	0.02	66	550	5	8.95	7	26
H137383		15.30	<10	<1	0.19	<10	2.91	1580	<1	0.01	126	640	12	>10.0	12	20
H137384		13.30	<10	<1	0.25	<10	2.95	1550	<1	0.02	94	480	7	>10.0	11	20
H137385		9.14	<10	<1	0.17	<10	3.41	1610	<1	0.02	49	710	7	7.02	7	27
H137386		7.91	<10	<1	0.23	<10	3.60	1555	<1	0.01	105	310	2	4.94	2	19
H137387		7.89	<10	<1	0.20	<10	3.62	1700	<1	0.01	44	530	4	3.97	3	27
H137388		4.32	10	<1	1.60	80	4.11	982	3	0.16	116	4180	7	0.17	2	9
H137389		3.58	10	<1	1.58	70	3.59	747	<1	0.07	115	4340	7	0.07	<2	8
H137390		0.07	<10	<1	0.02	<10	11.85	390	<1	0.01	<1	70	<2	0.01	<2	<1
H137391		1.82	<10	<1	0.14	10	0.44	177	<1	0.01	17	200	4	0.02	<2	2
H137392		3.57	10	<1	0.26	10	0.82	1075	<1	0.01	41	390	9	0.34	<2	3
H137393		0.67	<10	<1	0.01	<10	0.21	373	<1	0.01	1	40	<2	0.03	<2	<1
H137394		1.38	<10	<1	0.03	<10	0.70	1265	<1	0.01	5	90	13	0.08	<2	1
H137395		2.62	<10	<1	0.17	10	0.51	1510	<1	0.01	46	400	10	0.39	<2	2
H137396		2.70	<10	<1	0.04	<10	0.72	2610	<1	0.01	10	70	<2	0.38	<2	1
H137397		6.48	<10	<1	0.12	10	2.74	1085	<1	0.01	41	2290	<2	0.08	2	15
H137398		6.82	10	<1	0.14	<10	3.37	1360	<1	0.02	41	470	<2	0.01	<2	28
H137399		6.88	<10	<1	0.27	<10	3.16	1335	<1	0.02	35	530	<2	0.46	<2	24
H137400		4.11	10	<1	0.14	10	0.88	745	8	0.08	19	660	11	0.08	<2	5
H137401		7.13	<10	<1	0.19	<10	3.11	1305	<1	0.02	37	570	<2	0.33	3	25
H137402		6.95	<10	1	0.22	<10	3.02	1360	<1	0.01	32	340	<2	3.39	4	24
H137403		6.53	<10	<1	0.27	<10	3.13	1215	<1	0.02	38	500	<2	0.40	<2	22
H137404		6.87	<10	<1	0.24	<10	3.03	1225	<1	0.01	39	370	<2	2.88	<2	22
H137405		5.12	<10	<1	0.17	<10	2.43	1090	<1	0.01	25	270	<2	1.99	<2	18
H137406		7.61	<10	<1	0.31	<10	3.42	1360	<1	0.01	46	340	<2	4.50	<2	28
H137407		6.76	<10	<1	0.20	<10	3.33	1290	<1	0.01	41	410	<2	2.31	<2	26
H137408		7.55	20	<1	0.01	<10	3.75	1355	<1	0.03	48	540	<2	0.09	<2	27
H137409		5.44	10	<1	0.01	10	1.36	582	<1	0.01	26	1870	12	1.18	<2	7
H137410		0.08	<10	<1	0.01	<10	11.20	403	<1	0.01	<1	50	<2	<0.01	<2	<1
H137411		8.37	20	<1	0.01	<10	3.47	1740	<1	0.03	41	740	<2	0.10	<2	28
H137412		7.70	10	<1	0.01	<10	2.87	1725	<1	0.03	39	630	<2	0.20	<2	28
H137413		4.59	10	<1	0.03	<10	1.93	962	<1	0.01	32	340	<2	<0.01	<2	13
H137414		6.97	10	<1	0.03	<10	3.27	1435	<1	0.03	51	580	<2	0.05	<2	25
H137415		8.56	10	<1	0.09	<10	2.51	1600	<1	0.03	26	1060	<2	0.08	<2	22
H137416		6.61	10	<1	0.05	<10	3.30	1220	<1	0.03	51	610	<2	0.07	<2	21
H137417		7.53	20	<1	0.05	<10	3.95	1325	<1	0.03	54	600	<2	0.05	<2	30
H137418		3.03	<10	<1	0.05	<10	0.93	1005	<1	0.02	21	230	<2	0.01	<2	15
H137419		7.23	10	<1	0.05	<10	3.37	1285	<1	0.03	51	580	<2	0.01	<2	26
H137420		3.15	<10	4	0.14	10	0.77	424	11	0.07	38	740	293	0.59	27	4



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
H137381		235	<20	<0.01	<10	<10	33	<10	39
H137382		261	<20	<0.01	<10	<10	44	<10	35
H137383		236	<20	<0.01	<10	<10	28	<10	26
H137384		237	<20	<0.01	<10	<10	29	<10	26
H137385		190	<20	<0.01	<10	<10	44	<10	50
H137386		208	<20	<0.01	<10	<10	39	<10	41
H137387		219	<20	<0.01	<10	<10	61	<10	53
H137388		456	20	0.30	<10	<10	117	<10	54
H137389		553	20	0.32	<10	<10	101	<10	54
H137390		159	<20	<0.01	<10	<10	3	<10	11
H137391		13	<20	<0.01	<10	<10	8	<10	33
H137392		22	<20	<0.01	<10	<10	59	10	70
H137393		5	<20	<0.01	<10	<10	1	<10	<2
H137394		64	<20	<0.01	<10	<10	7	<10	62
H137395		34	<20	<0.01	<10	<10	30	<10	73
H137396		30	<20	<0.01	<10	<10	24	<10	33
H137397		137	<20	<0.01	<10	<10	99	<10	65
H137398		144	<20	<0.01	<10	<10	78	<10	55
H137399		153	<20	<0.01	<10	<10	39	<10	70
H137400		31	<20	0.13	<10	<10	60	<10	82
H137401		149	<20	<0.01	<10	<10	39	<10	74
H137402		266	<20	<0.01	<10	<10	39	<10	41
H137403		136	<20	<0.01	<10	<10	37	<10	67
H137404		234	<20	<0.01	<10	<10	21	<10	66
H137405		222	<20	<0.01	<10	<10	14	<10	27
H137406		332	<20	<0.01	<10	<10	27	<10	41
H137407		248	<20	<0.01	<10	<10	26	<10	162
H137408		191	<20	0.09	<10	<10	266	<10	59
H137409		54	<20	0.01	<10	<10	167	<10	55
H137410		152	<20	<0.01	<10	<10	2	<10	25
H137411		145	<20	0.08	<10	<10	287	<10	91
H137412		104	<20	0.38	10	<10	254	<10	81
H137413		61	<20	0.06	<10	<10	126	<10	51
H137414		64	<20	0.43	<10	<10	232	<10	81
H137415		112	<20	0.22	<10	<10	253	<10	99
H137416		74	<20	0.30	<10	<10	194	<10	78
H137417		122	<20	0.21	<10	<10	270	<10	82
H137418		129	<20	<0.01	<10	<10	83	<10	24
H137419		113	<20	0.04	<10	<10	248	<10	80
H137420		34	<20	0.09	<10	<10	57	<10	258



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**CERTIFICATE OF ANALYSIS TR12195628**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
H137421		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
H137422		0.52	0.091		<0.2	4.21	11	<10	40	<0.5	<2	5.77	<0.5	38	123	71
H137423		1.07	<0.005		<0.2	3.51	13	<10	20	<0.5	<2	11.8	<0.5	32	104	32
H137424		1.38	<0.005		<0.2	3.44	2	<10	30	<0.5	<2	4.64	<0.5	35	85	73
H137425		3.19	<0.005		<0.2	3.12	7	<10	30	<0.5	<2	2.49	<0.5	34	75	76
H137426		1.34	<0.005		51.4	3.32	3	<10	40	<0.5	<2	4.31	<0.5	43	67	154
H137427		1.57	<0.005		3.4	2.99	2	<10	20	<0.5	<2	1.37	<0.5	32	48	77
H137428		1.23	0.005		<0.2	3.96	50	<10	60	<0.5	<2	8.8	<0.5	38	93	61
H137429		0.80	<0.005		<0.2	3.60	39	<10	50	<0.5	<2	8.8	<0.5	36	82	66
H137430		1.66	<0.005		<0.2	3.05	2	<10	20	<0.5	<2	2.28	<0.5	35	45	81
H137431		0.64	<0.005		<0.2	0.05	<2	10	230	<0.5	<2	16.8	<0.5	<1	<1	<1
H137432		1.33	<0.005		<0.2	4.12	2	<10	790	0.6	<2	4.23	<0.5	39	20	67
H137433		1.45	0.098		<0.2	2.17	171	<10	120	0.6	<2	8.3	<0.5	30	9	55
H137434		1.05	<0.005		<0.2	3.92	10	<10	70	0.6	<2	6.74	<0.5	39	16	70
H137435		1.50	<0.005		<0.2	3.55	8	<10	80	<0.5	2	3.81	<0.5	34	74	32
H137436		0.45	<0.005		<0.2	0.24	<2	<10	60	<0.5	<2	1.05	<0.5	2	8	1
H137437		0.95	0.062		<0.2	4.18	8	<10	60	<0.5	2	4.34	<0.5	39	86	56
H137438		1.28	0.007		<0.2	3.62	2	<10	30	<0.5	2	2.91	<0.5	35	63	34
H137439		1.50	<0.005		<0.2	3.01	<2	10	20	<0.5	3	2.70	0.6	32	49	168
H137440		1.40	<0.005		0.6	3.42	9	<10	40	<0.5	2	2.27	<0.5	31	78	62
H137441		0.08	>10.0	10.85	0.6	1.46	3740	<10	60	<0.5	2	0.82	<0.5	14	66	65
H137442		2.12	1.805		0.7	0.76	1430	<10	60	1.1	2	7.8	<0.5	44	14	37
H137443		1.29	1.935		0.4	1.38	1010	<10	110	0.9	4	7.1	<0.5	42	13	51





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		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
H137421		7.94	10	<1	0.04	<10	3.83	1370	<1	0.02	48	580	<2	0.01	<2	28
H137422		6.76	10	<1	0.02	<10	3.07	1430	<1	0.02	39	500	<2	0.02	<2	24
H137423		6.84	10	<1	0.03	<10	3.10	1220	<1	0.03	43	610	<2	0.12	<2	17
H137424		6.49	10	<1	0.02	<10	2.94	1090	<1	0.03	41	640	<2	0.15	<2	17
H137425		6.74	10	<1	0.02	<10	2.85	1160	<1	0.03	45	620	<2	0.21	<2	16
H137426		6.02	10	<1	0.01	<10	2.24	822	<1	0.03	37	680	<2	0.16	<2	7
H137427		7.41	10	<1	0.07	<10	3.32	1720	<1	0.02	46	580	<2	0.14	<2	26
H137428		7.17	10	<1	0.04	<10	2.86	1820	<1	0.02	41	590	<2	0.08	<2	26
H137429		6.17	10	<1	0.01	<10	2.52	1110	<1	0.04	37	650	<2	0.25	<2	14
H137430		0.14	<10	<1	<0.01	<10	10.25	346	<1	0.01	<1	30	6	0.01	<2	<1
H137431		10.00	10	<1	0.04	<10	3.25	2220	<1	0.04	23	1130	<2	0.28	<2	26
H137432		7.81	10	<1	0.11	<10	2.36	2240	<1	0.01	19	860	2	0.26	<2	21
H137433		9.75	20	<1	0.04	<10	2.54	1730	<1	0.01	22	1020	<2	0.48	<2	27
H137434		7.12	10	<1	0.05	<10	3.06	1330	<1	0.02	40	670	<2	<0.01	<2	19
H137435		0.91	<10	<1	0.09	<10	0.06	164	<1	<0.01	1	40	<2	<0.01	<2	<1
H137436		8.09	10	<1	0.04	<10	3.66	1470	<1	0.02	44	730	<2	<0.01	<2	23
H137437		7.29	10	<1	<0.01	<10	3.08	1270	<1	0.03	38	700	<2	0.13	<2	20
H137438		5.97	10	<1	<0.01	<10	2.42	971	1	0.01	38	1820	<2	0.22	<2	7
H137439		6.31	10	<1	0.01	<10	3.26	1080	<1	0.04	40	660	<2	0.04	<2	18
H137440		3.47	<10	<1	0.16	10	0.85	390	6	0.06	61	470	7	0.85	34	4
H137441		8.72	<10	1	0.25	<10	3.12	1780	<1	0.01	50	580	14	6.48	3	25
H137442		8.58	<10	1	0.23	<10	2.99	1550	<1	<0.01	46	520	10	4.16	3	27



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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12195628**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
H137421		64	<20	0.33	<10	<10	244	<10	81
H137422		164	<20	0.16	<10	<10	213	<10	74
H137423		65	<20	0.35	<10	<10	185	<10	76
H137424		52	<20	0.32	<10	<10	172	<10	76
H137425		69	<20	0.26	<10	<10	182	150	82
H137426		25	<20	0.35	<10	<10	137	10	72
H137427		160	<20	0.01	<10	<10	228	<10	81
H137428		100	<20	0.19	<10	<10	198	<10	83
H137429		34	<20	0.39	<10	<10	168	<10	69
H137430		136	<20	<0.01	<10	<10	3	<10	11
H137431		56	<20	0.73	<10	<10	337	<10	123
H137432		135	<20	<0.01	<10	<10	143	<10	96
H137433		140	<20	0.01	<10	<10	292	<10	104
H137434		45	<20	0.39	<10	<10	217	<10	76
H137435		15	<20	<0.01	<10	<10	14	10	2
H137436		46	<20	0.44	<10	<10	249	<10	87
H137437		49	<20	0.50	<10	<10	211	<10	84
H137438		72	<20	0.33	<10	<10	116	<10	75
H137439		55	<20	0.51	<10	<10	199	<10	75
H137440		39	<20	0.10	<10	<10	49	40	49
H137441		313	<20	<0.01	<10	<10	31	<10	42
H137442		245	<20	<0.01	<10	<10	30	<10	50



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**CERTIFICATE TR12195629**

Project: CMV12-01  
 P.O. No.: CMV12-01\_47  
 This report is for 162 Drill Core samples submitted to our lab in Terrace, BC, Canada on 28-AUG-2012.  
 The following have access to data associated with this certificate:

DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12195629**

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
H137443		1.08	0.805		1.3	0.38	647	<10	70	<0.5	<2	1.87	<0.5	31	16	58
H137444		1.67	1.470		2.1	0.37	1040	<10	60	<0.5	<2	1.93	<0.5	33	9	39
H137445		0.39	0.080		0.2	0.09	67	<10	20	<0.5	<2	0.48	<0.5	6	10	8
H137446		1.33	0.621		0.7	0.39	718	<10	60	<0.5	2	4.74	<0.5	28	9	27
H137447		2.03	0.617		1.5	0.35	758	<10	70	<0.5	<2	5.45	<0.5	30	5	47
H137448		2.98	0.918		1.0	0.28	750	<10	60	<0.5	2	5.14	<0.5	29	10	25
H137449		3.36	0.541		0.7	0.35	604	<10	60	<0.5	<2	5.43	<0.5	32	7	36
H137450		0.65	<0.005		<0.2	0.01	2	10	50	<0.5	<2	19.6	<0.5	<1	<1	1
H136801		2.34	0.674		1.0	0.34	510	<10	60	<0.5	<2	6.15	<0.5	36	5	55
H136802		1.54	0.864		1.5	0.32	575	<10	60	<0.5	2	7.1	<0.5	31	8	48
H136803		0.21	0.580		0.3	0.18	135	<10	30	<0.5	<2	1.42	<0.5	7	12	6
H136804		0.71	0.439		0.3	0.51	435	<10	60	<0.5	2	4.68	<0.5	36	17	22
H136805		2.78	0.064		<0.2	0.03	28	<10	10	<0.5	<2	0.51	<0.5	10	19	9
H136806		1.75	<0.005		<0.2	0.01	4	<10	<10	<0.5	<2	0.24	<0.5	5	17	5
H136807		2.93	0.983		0.6	0.50	499	<10	60	<0.5	<2	5.16	<0.5	36	11	67
H136808		2.76	0.494		0.6	0.31	463	<10	50	<0.5	<2	3.54	<0.5	23	13	16
H136809		1.14	0.470		0.7	0.36	485	<10	70	<0.5	2	7.1	<0.5	32	10	30
H136810		0.66	<0.005		<0.2	0.01	<2	20	50	<0.5	<2	18.7	<0.5	<1	<1	1
H136811		1.14	0.440		0.7	0.14	294	<10	30	<0.5	<2	2.59	<0.5	17	14	13
H136812		1.97	0.931		0.8	0.32	545	<10	50	<0.5	<2	6.05	<0.5	29	10	60
H136813		2.29	0.108		0.4	0.07	172	<10	20	<0.5	<2	1.13	<0.5	22	16	20
H136814		1.57	0.076		0.3	0.11	162	<10	30	<0.5	<2	2.22	<0.5	10	18	6
H136815		1.10	0.054		0.2	0.05	56	<10	10	<0.5	<2	0.87	<0.5	7	19	6
H136816		1.46	0.416		0.8	0.18	422	<10	40	<0.5	3	4.74	<0.5	25	13	19
H136817		2.23	0.160		<0.2	0.03	83	<10	10	<0.5	3	0.73	<0.5	4	21	4
H136818		1.04	0.595		0.6	0.22	608	10	50	<0.5	2	5.71	<0.5	28	11	12
H136819		1.92	0.271		<0.2	0.05	174	<10	10	<0.5	3	1.40	<0.5	9	17	6
H136820		0.07	0.275		0.4	0.34	444	<10	1040	<0.5	3	1.04	<0.5	3	40	39
H136821		1.81	0.442		0.4	0.12	370	<10	30	<0.5	3	2.39	<0.5	15	15	11
H136822		1.87	0.845		1.4	0.29	688	<10	60	<0.5	<2	5.77	<0.5	33	12	33
H136823		0.52	0.395		0.4	0.16	288	<10	30	<0.5	3	3.64	0.5	11	14	6
H136824		3.98	0.443		0.9	0.23	501	<10	50	<0.5	2	5.13	<0.5	26	12	25
H136825		2.44	0.682		1.7	0.32	634	<10	60	<0.5	2	5.98	<0.5	37	12	63
H136826		3.60	0.663		0.6	0.27	676	<10	60	<0.5	2	4.94	<0.5	28	11	22
H136827		2.08	0.880		1.3	0.28	745	<10	60	<0.5	4	6.00	<0.5	31	9	40
H136828		3.63	0.795		0.8	0.36	700	<10	70	<0.5	2	6.23	<0.5	31	9	50
H136829		3.79	0.322		0.5	0.58	415	<10	60	<0.5	2	5.81	<0.5	35	22	43
H136830		0.48	<0.005		<0.2	0.02	2	30	40	<0.5	<2	18.7	<0.5	<1	<1	1
H136831		0.68	0.921		1.3	0.22	637	<10	40	<0.5	3	3.15	<0.5	15	16	14
H136832		2.21	1.415		1.2	0.32	1045	<10	60	<0.5	2	5.27	<0.5	42	7	43



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12195629**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	
H137443		6.81	<10	<1	0.19	<10	0.17	1150	<1	0.01	50	350	4	2.12	6	21
H137444		9.67	<10	1	0.15	<10	0.32	1240	<1	0.01	44	340	8	4.33	17	19
H137445		1.99	<10	<1	0.03	<10	0.10	298	<1	<0.01	8	50	<2	0.70	2	2
H137446		7.03	<10	<1	0.15	<10	2.01	1210	<1	0.01	32	440	4	4.07	7	18
H137447		7.27	<10	<1	0.20	<10	2.52	1260	<1	0.01	33	520	3	6.18	4	22
H137448		6.92	<10	<1	0.16	<10	2.42	1250	<1	0.01	33	540	3	6.26	4	19
H137449		6.69	<10	<1	0.17	<10	2.67	1380	<1	0.02	32	530	3	4.22	3	22
H137450		0.05	<10	<1	0.01	<10	11.40	376	<1	0.01	<1	40	3	0.01	2	<1
H136801		7.07	<10	<1	0.17	<10	2.86	1440	<1	0.02	35	420	2	3.78	2	23
H136802		6.86	<10	<1	0.16	<10	2.97	1340	<1	0.02	34	470	4	4.41	6	23
H136803		2.18	<10	<1	0.08	<10	0.62	381	<1	0.01	9	100	<2	1.23	2	6
H136804		8.16	<10	2	0.16	<10	1.88	1020	<1	0.02	48	480	<2	6.35	14	18
H136805		0.97	<10	<1	0.01	<10	0.18	157	<1	<0.01	3	320	<2	0.33	<2	1
H136806		0.64	<10	<1	<0.01	<10	0.09	107	<1	<0.01	2	30	<2	0.04	<2	<1
H136807		6.62	<10	2	0.18	<10	2.14	1040	<1	0.02	39	410	3	4.15	8	20
H136808		5.21	<10	<1	0.12	<10	1.72	895	<1	0.01	28	580	2	4.30	5	13
H136809		6.54	<10	<1	0.16	<10	2.92	1250	<1	0.01	39	510	3	4.06	5	21
H136810		0.04	<10	<1	0.01	<10	11.70	389	<1	0.01	<1	60	<2	0.01	2	<1
H136811		3.19	<10	<1	0.07	<10	1.20	586	<1	0.01	17	130	2	2.54	4	8
H136812		6.20	<10	1	0.15	<10	2.57	1150	<1	0.02	38	200	2	4.49	5	22
H136813		2.03	<10	<1	0.04	<10	0.49	288	<1	<0.01	11	230	<2	1.49	2	3
H136814		2.45	<10	<1	0.07	<10	1.03	553	<1	<0.01	13	180	<2	1.69	2	7
H136815		1.26	<10	<1	0.03	<10	0.38	247	<1	<0.01	6	50	<2	0.70	<2	3
H136816		5.71	<10	<1	0.11	<10	2.03	984	<1	0.01	31	290	<2	4.28	4	16
H136817		1.09	<10	<1	0.02	<10	0.31	191	<1	<0.01	3	40	<2	0.53	<2	2
H136818		7.10	<10	1	0.13	<10	2.79	1205	<1	0.01	36	320	<2	5.99	4	19
H136819		1.71	<10	<1	0.03	<10	0.59	311	<1	<0.01	7	50	<2	1.00	<2	4
H136820		3.75	<10	4	0.09	10	0.03	71	13	0.02	14	130	11	0.21	28	1
H136821		3.63	<10	<1	0.07	<10	1.01	514	<1	0.01	16	120	<2	2.80	2	8
H136822		6.99	<10	<1	0.17	<10	2.75	1215	<1	0.02	37	360	<2	5.80	6	22
H136823		4.07	<10	<1	0.08	<10	1.64	772	<1	<0.01	18	160	<2	2.70	3	10
H136824		5.52	<10	<1	0.13	<10	2.43	1050	<1	0.01	31	360	<2	4.01	3	18
H136825		6.64	<10	<1	0.18	<10	2.78	1225	<1	0.02	40	440	<2	4.30	4	22
H136826		6.06	<10	<1	0.16	<10	2.39	1025	<1	0.01	33	330	<2	4.74	<2	18
H136827		7.21	<10	<1	0.16	<10	2.87	1260	<1	0.01	36	360	<2	5.74	5	20
H136828		7.26	<10	<1	0.18	<10	2.91	1315	<1	0.02	34	290	2	5.53	5	23
H136829		5.89	<10	1	0.16	<10	2.73	1265	<1	0.02	46	310	<2	2.87	3	24
H136830		0.12	<10	<1	0.01	<10	11.85	555	<1	0.01	<1	40	2	0.03	<2	<1
H136831		7.23	<10	1	0.09	<10	1.42	705	<1	0.01	26	130	4	7.27	12	10
H136832		8.93	<10	<1	0.16	<10	2.38	1235	<1	0.02	38	420	5	8.21	6	21



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12195629**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
H137443		19	<20	<0.01	<10	<10	26	<10	64
H137444		32	<20	<0.01	<10	<10	33	<10	81
H137445		8	<20	<0.01	<10	<10	8	<10	6
H137446		158	<20	0.01	<10	<10	30	<10	50
H137447		225	<20	<0.01	<10	<10	25	<10	65
H137448		187	<20	<0.01	<10	<10	21	<10	33
H137449		154	<20	<0.01	<10	<10	27	<10	54
H137450		302	<20	<0.01	<10	<10	1	<10	10
H136801		166	<20	<0.01	<10	<10	27	<10	73
H136802		183	<20	<0.01	<10	<10	27	<10	53
H136803		44	<20	<0.01	<10	<10	11	<10	10
H136804		106	<20	0.01	<10	<10	35	<10	45
H136805		19	<20	<0.01	<10	<10	2	<10	3
H136806		8	<20	<0.01	<10	<10	1	<10	<2
H136807		129	<20	<0.01	<10	<10	31	<10	70
H136808		119	<20	<0.01	<10	<10	19	<10	26
H136809		184	<20	<0.01	<10	<10	29	<10	49
H136810		178	<20	<0.01	<10	<10	2	<10	19
H136811		84	<20	<0.01	<10	<10	11	<10	12
H136812		149	<20	<0.01	<10	<10	26	<10	54
H136813		38	<20	<0.01	<10	<10	5	<10	6
H136814		80	<20	<0.01	<10	<10	8	<10	12
H136815		27	<20	<0.01	<10	<10	4	<10	6
H136816		130	<20	<0.01	<10	<10	18	<10	30
H136817		23	<20	<0.01	<10	<10	3	<10	3
H136818		184	<20	<0.01	<10	<10	24	<10	25
H136819		41	<20	<0.01	<10	<10	5	<10	5
H136820		70	<20	0.01	10	<10	28	10	22
H136821		71	<20	<0.01	<10	<10	10	<10	10
H136822		180	<20	<0.01	<10	<10	26	<10	52
H136823		110	<20	<0.01	<10	<10	18	<10	151
H136824		154	<20	<0.01	<10	<10	20	<10	38
H136825		161	<20	<0.01	<10	<10	27	<10	68
H136826		160	<20	<0.01	<10	<10	21	<10	45
H136827		173	<20	<0.01	<10	<10	28	<10	55
H136828		163	<20	<0.01	<10	<10	32	<10	51
H136829		127	<20	<0.01	<10	<10	37	<10	56
H136830		160	<20	<0.01	<10	10	3	<10	20
H136831		84	<20	<0.01	<10	<10	23	<10	11
H136832		142	<20	<0.01	<10	<10	28	<10	36



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**CERTIFICATE OF ANALYSIS TR12195629**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
H136833		3.35	0.804		0.6	0.39	654	<10	70	<0.5	3	5.49	<0.5	38	8	48
H136834		0.57	0.638		1.1	0.53	639	<10	60	<0.5	2	4.86	<0.5	26	9	34
H136835		1.87	0.937		0.9	0.38	995	<10	80	<0.5	2	7.0	<0.5	35	5	29
H136836		1.74	0.878		1.1	0.36	644	10	60	<0.5	2	7.1	<0.5	36	9	76
H136837		1.80	0.512		1.0	0.36	680	<10	60	<0.5	4	8.8	<0.5	32	9	39
H136838		1.79	0.559		1.2	0.40	530	<10	60	<0.5	2	6.06	<0.5	35	10	69
H136839		2.81	1.265		1.3	0.39	923	<10	80	<0.5	3	8.3	<0.5	35	10	34
H136840		0.08	0.709		2.3	0.67	28	<10	80	<0.5	<2	1.91	0.7	8	31	7120
H136841		1.80	0.708		3.4	0.41	1100	<10	80	<0.5	3	5.66	<0.5	23	10	71
H136842		1.58	0.491		1.5	0.37	731	<10	70	<0.5	3	7.9	<0.5	35	6	47
H136843		0.95	0.412		0.5	0.31	885	<10	70	<0.5	4	5.47	<0.5	29	9	27
H136844		1.91	1.100		0.8	0.40	759	<10	60	<0.5	2	5.87	<0.5	37	10	60
H136845		1.52	0.809		0.6	0.43	787	<10	60	<0.5	2	5.29	<0.5	24	8	18
H136846		1.20	0.471		0.5	0.21	521	<10	40	<0.5	2	4.36	<0.5	21	11	16
H136847		1.22	0.340		0.4	0.42	353	<10	50	<0.5	2	5.94	<0.5	38	8	65
H136848		3.49	0.902		1.4	0.33	871	<10	70	<0.5	4	7.6	0.5	37	7	39
H136849		1.58	0.459		0.5	0.42	603	<10	70	<0.5	2	7.5	<0.5	29	5	23
H136850		0.61	<0.005		<0.2	0.02	7	10	30	<0.5	<2	19.0	<0.5	<1	<1	1
H136851		0.84	0.809		0.4	0.40	785	<10	60	<0.5	3	5.33	<0.5	27	8	12
H136852		0.81	0.150		0.6	0.16	203	<10	30	<0.5	<2	1.95	<0.5	8	12	19
H136853		1.58	1.640		0.5	0.27	805	<10	60	<0.5	<2	4.92	<0.5	27	8	16
H136854		1.86	0.711		0.6	0.27	824	<10	60	<0.5	3	5.44	<0.5	31	8	19
H136855		0.79	0.214		0.2	0.21	417	<10	50	<0.5	<2	4.42	<0.5	23	12	12
H136856		0.24	0.496		0.8	0.77	925	10	80	0.5	2	8.8	<0.5	44	14	22
H136857		0.48	0.142		<0.2	0.11	80	<10	10	<0.5	<2	1.31	<0.5	5	12	5
H136858		1.86	0.529		0.5	0.45	519	<10	60	<0.5	<2	6.34	<0.5	36	8	52
H136859		0.75	0.594		0.6	0.13	294	<10	30	<0.5	<2	1.64	<0.5	9	14	5
H136860		0.08	2.09		0.3	2.18	10	<10	80	<0.5	<2	0.63	<0.5	8	30	641
H136861		1.59	0.534		0.2	0.27	606	<10	60	<0.5	<2	5.17	<0.5	23	11	4
H136862		1.78	1.440		0.5	0.42	870	<10	70	<0.5	<2	8.2	<0.5	33	11	29
H136863		2.48	0.487		0.2	0.46	559	<10	80	<0.5	2	6.32	<0.5	39	10	34
H136864		1.69	0.668		0.4	0.42	601	<10	70	<0.5	2	6.17	<0.5	39	13	51
H136865		1.87	0.503		1.0	0.33	502	<10	60	<0.5	<2	5.03	<0.5	30	12	52
H136866		1.89	0.493		0.4	0.32	569	<10	70	<0.5	<2	5.95	<0.5	30	10	15
H136867		0.65	0.305		<0.2	0.21	245	<10	40	<0.5	<2	2.94	<0.5	10	15	5
H136868		1.91	0.575		0.7	0.39	569	<10	70	<0.5	2	6.67	<0.5	38	12	47
H136869		1.69	0.558		1.1	0.31	511	<10	50	<0.5	<2	5.22	<0.5	43	14	42
H136870		0.64	<0.005		<0.2	0.01	3	10	30	<0.5	<2	15.8	<0.5	<1	<1	1
H136871		1.65	0.460		0.3	0.14	385	<10	30	<0.5	<2	2.69	<0.5	13	18	11
H136872		1.52	1.390		36.9	0.19	536	<10	40	<0.5	<2	3.60	1.0	24	16	767



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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
Units		%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
LOR		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
H136833		6.46	<10	<1	0.18	<10	2.40	1220	<1	0.02	35	480	<2	4.11	3	24
H136834		7.94	<10	<1	0.14	<10	2.28	1195	<1	0.01	31	370	<2	6.34	7	18
H136835		7.95	<10	<1	0.20	<10	2.89	1480	<1	0.02	32	410	<2	6.21	<2	20
H136836		7.34	<10	<1	0.18	<10	3.02	1380	<1	0.02	37	540	<2	3.66	4	22
H136837		6.86	<10	<1	0.19	<10	2.91	1625	<1	0.02	35	420	<2	4.60	4	22
H136838		7.29	<10	<1	0.19	<10	2.96	1360	<1	0.03	38	500	<2	2.92	3	24
H136839		8.58	<10	<1	0.22	<10	3.24	1485	<1	0.02	41	480	2	5.83	6	25
H136840		6.67	<10	2	0.29	<10	0.87	898	8	0.05	14	620	21	2.66	27	3
H136841		6.49	<10	<1	0.20	<10	2.24	1035	<1	0.01	26	2780	2	4.36	14	16
H136842		7.88	<10	<1	0.21	<10	3.11	1325	<1	0.01	32	580	<2	4.77	8	20
H136843		7.07	<10	<1	0.18	<10	2.46	1090	<1	0.01	32	890	<2	5.63	2	16
H136844		7.11	<10	<1	0.17	<10	2.60	1275	<1	0.02	37	400	<2	4.88	4	22
H136845		6.48	<10	<1	0.16	<10	2.26	1245	<1	0.01	24	1580	<2	4.78	4	17
H136846		5.28	<10	<1	0.12	<10	1.95	1010	<1	0.01	19	460	<2	3.79	3	15
H136847		7.82	<10	<1	0.18	<10	2.89	1410	<1	0.03	32	570	<2	2.12	2	23
H136848		8.21	<10	<1	0.19	<10	3.12	1555	<1	0.01	32	880	<2	5.93	7	23
H136849		7.15	<10	1	0.19	<10	3.03	1495	<1	0.01	26	990	<2	4.59	5	21
H136850		0.09	<10	<1	0.01	<10	12.00	383	<1	0.01	<1	40	<2	0.04	<2	<1
H136851		7.11	<10	<1	0.16	<10	2.56	1205	<1	0.01	29	570	4	5.66	4	19
H136852		2.69	<10	<1	0.06	<10	0.83	501	<1	0.01	12	530	4	1.52	3	7
H136853		6.56	<10	1	0.15	<10	2.30	1100	<1	0.01	28	450	2	5.21	5	17
H136854		7.43	<10	1	0.15	<10	2.47	1155	<1	0.01	29	540	3	6.35	6	18
H136855		4.37	<10	1	0.12	<10	1.94	917	<1	0.01	21	440	2	2.69	3	14
H136856		8.76	<10	<1	0.39	<10	3.82	1635	<1	0.02	47	440	3	6.06	8	27
H136857		2.16	<10	1	0.02	<10	0.58	339	<1	<0.01	6	80	<2	1.04	3	3
H136858		7.01	<10	2	0.15	<10	2.61	1340	<1	0.02	29	780	2	4.35	9	22
H136859		3.50	<10	1	0.06	<10	0.53	347	<1	<0.01	13	2260	6	3.05	6	5
H136860		4.31	10	1	0.14	10	0.90	757	8	0.07	21	670	10	0.09	2	5
H136861		6.31	<10	<1	0.16	<10	2.45	1260	<1	0.01	30	320	3	5.34	4	22
H136862		7.95	<10	1	0.19	<10	3.70	2030	<1	0.01	42	300	4	5.22	5	31
H136863		7.13	<10	1	0.22	<10	2.98	1440	<1	0.02	42	460	2	3.91	4	25
H136864		7.69	<10	<1	0.20	<10	3.03	1435	<1	0.02	43	470	<2	3.65	5	25
H136865		6.49	<10	<1	0.16	<10	2.42	1110	<1	0.02	35	430	2	4.37	5	21
H136866		6.28	<10	<1	0.18	<10	2.86	1360	<1	0.02	37	590	2	4.97	6	24
H136867		2.74	<10	<1	0.11	<10	1.24	673	<1	0.01	13	1610	<2	1.66	4	10
H136868		7.52	<10	<1	0.19	<10	3.04	1360	<1	0.02	40	710	3	4.12	7	25
H136869		6.00	<10	<1	0.14	<10	2.19	1045	<1	0.02	33	350	2	4.21	9	20
H136870		0.09	<10	<1	0.01	<10	9.60	355	<1	0.01	<1	70	<2	0.01	3	<1
H136871		3.10	<10	<1	0.08	<10	1.15	595	<1	0.01	16	180	<2	2.12	3	10
H136872		4.11	<10	<1	0.11	<10	1.58	853	<1	0.01	22	620	<2	3.13	376	13





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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
H136833		132	<20	<0.01	<10	<10	37	<10	70
H136834		124	<20	<0.01	<10	<10	42	<10	27
H136835		187	<20	<0.01	<10	<10	34	<10	30
H136836		150	<20	<0.01	<10	<10	31	<10	82
H136837		199	<20	<0.01	<10	<10	28	<10	64
H136838		136	<20	<0.01	<10	<10	33	<10	80
H136839		224	<20	<0.01	<10	<10	34	<10	46
H136840		66	<20	0.04	<10	<10	42	<10	107
H136841		180	<20	<0.01	<10	<10	23	<10	41
H136842		184	<20	<0.01	<10	<10	28	<10	56
H136843		159	<20	<0.01	<10	<10	25	<10	40
H136844		139	<20	<0.01	<10	<10	32	<10	40
H136845		173	<20	<0.01	<10	<10	33	<10	32
H136846		130	<20	<0.01	<10	<10	18	<10	22
H136847		117	<20	<0.01	<10	<10	35	<10	70
H136848		218	<20	<0.01	<10	<10	30	<10	66
H136849		201	<20	<0.01	<10	<10	37	<10	58
H136850		132	<20	<0.01	<10	10	2	<10	10
H136851		170	<20	<0.01	<10	<10	31	<10	23
H136852		58	<20	<0.01	<10	<10	14	<10	15
H136853		183	<20	<0.01	<10	<10	20	<10	25
H136854		224	<20	<0.01	<10	<10	20	<10	29
H136855		160	<20	<0.01	<10	<10	18	<10	20
H136856		300	<20	<0.01	<10	<10	47	<10	37
H136857		36	<20	<0.01	<10	<10	9	<10	5
H136858		169	<20	<0.01	<10	<10	44	<10	57
H136859		62	<20	<0.01	<10	<10	9	<10	4
H136860		30	<20	0.14	<10	<10	63	<10	88
H136861		177	<20	<0.01	<10	<10	25	<10	24
H136862		262	<20	<0.01	<10	<10	37	<10	47
H136863		178	<20	<0.01	<10	<10	37	<10	50
H136864		152	<20	<0.01	<10	<10	36	<10	55
H136865		135	<20	<0.01	<10	<10	26	<10	37
H136866		181	<20	<0.01	<10	<10	23	<10	21
H136867		100	<20	<0.01	<10	<10	14	<10	8
H136868		153	<20	<0.01	<10	<10	31	<10	57
H136869		126	<20	<0.01	<10	<10	24	<10	32
H136870		123	<20	<0.01	<10	<10	2	<10	11
H136871		81	<20	<0.01	<10	<10	11	<10	12
H136872		102	<20	<0.01	<10	<10	14	<10	157



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Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
H136873		0.65	0.776		1.3	0.53	720	<10	90	<0.5	<2	7.7	<0.5	39	12	57
H136874		0.61	1.100		0.3	0.19	518	<10	30	<0.5	<2	2.44	<0.5	12	15	8
H136875		2.04	0.839		5.2	0.47	607	<10	70	<0.5	2	6.47	<0.5	44	10	177
H136876		1.54	0.419		0.2	0.15	379	<10	30	<0.5	<2	3.54	<0.5	21	17	14
H136877		1.99	0.664		1.4	0.36	878	<10	70	<0.5	<2	6.74	<0.5	37	8	33
H136878		0.25	0.717		4.1	0.19	343	<10	40	<0.5	<2	1.27	<0.5	10	15	57
H136879		2.22	0.469		0.8	0.42	558	<10	70	<0.5	<2	5.67	<0.5	37	11	43
H136880		0.08	3.50		3.8	1.43	264	<10	370	<0.5	2	1.27	1.4	9	54	75
H136881		2.48	0.192		0.7	0.41	320	<10	70	<0.5	<2	5.51	<0.5	37	8	60
H136882		0.43	0.028		<0.2	0.04	41	<10	10	<0.5	<2	0.54	<0.5	2	12	3
H136883		3.77	0.714		0.8	0.35	851	<10	60	<0.5	2	5.79	<0.5	30	6	24
H136884		3.01	0.447		0.5	0.40	433	<10	60	<0.5	3	6.6	<0.5	43	11	56
H136885		1.24	0.285		<0.2	0.22	283	<10	30	<0.5	<2	2.28	<0.5	13	16	11
H136886		2.72	0.111		<0.2	0.03	46	<10	10	<0.5	<2	0.31	<0.5	9	17	8
H136887		2.21	0.050		<0.2	0.05	57	<10	20	<0.5	<2	0.50	<0.5	33	20	29
H136888		3.10	0.280		0.5	0.07	494	<10	20	<0.5	<2	1.28	<0.5	15	19	16
H136889		1.76	0.301		0.3	0.25	910	<10	60	<0.5	2	5.63	<0.5	29	7	12
H136890		0.68	<0.005		<0.2	0.01	2	20	50	<0.5	<2	20.3	<0.5	<1	<1	<1
H136891		2.69	0.649		1.1	0.21	562	<10	40	<0.5	<2	2.60	<0.5	21	11	24
H136892		1.55	0.496		0.2	0.15	535	<10	40	<0.5	<2	3.33	<0.5	15	15	3
H136893		2.43	0.335		<0.2	0.19	345	<10	40	<0.5	<2	3.94	<0.5	21	13	8
H136894		4.04	0.815		0.6	0.26	801	<10	50	<0.5	<2	3.69	<0.5	23	11	10
H136895		3.51	0.872		0.6	0.36	791	10	60	<0.5	2	4.80	<0.5	29	14	15
H136896		3.31	0.443		0.5	0.18	443	<10	30	<0.5	2	2.15	<0.5	19	13	12
H136897		2.71	0.382		0.3	0.13	362	<10	30	<0.5	2	1.57	<0.5	8	18	3
H136898		3.32	0.460		0.8	0.79	656	<10	60	<0.5	2	5.23	<0.5	32	11	27
H136899		3.14	0.452		0.5	0.15	386	<10	30	<0.5	<2	1.37	<0.5	13	11	5
H136900		0.07	>10.0	NSS	0.6	1.46	3820	<10	60	<0.5	3	0.81	<0.5	14	67	65
H136901		3.93	0.313		0.5	0.37	816	<10	60	<0.5	2	3.96	<0.5	31	6	6
H136902		3.43	1.385		0.6	0.50	966	10	80	<0.5	3	7.07	<0.5	39	4	44
H136903		0.97	0.731		0.9	0.14	659	<10	20	<0.5	<2	2.68	<0.5	20	13	18
H136904		0.93	0.584		2.8	0.71	630	<10	50	<0.5	4	6.14	<0.5	43	7	84
H136905		3.12	0.258		<0.2	0.14	138	<10	20	<0.5	2	0.92	<0.5	9	18	8
H136906		2.04	0.182		0.3	0.22	480	<10	50	<0.5	2	3.44	<0.5	21	12	9
H136907		2.44	0.502		0.6	0.35	734	<10	70	<0.5	3	6.7	<0.5	37	9	21
H136908		2.70	0.713		0.5	0.51	687	<10	80	<0.5	2	6.83	<0.5	37	10	13
H136909		4.17	0.146		0.4	0.17	244	<10	40	<0.5	<2	2.21	<0.5	21	15	24
H136910		0.65	<0.005		<0.2	0.01	3	20	40	<0.5	<2	20.6	<0.5	<1	<1	<1
H136911		2.87	0.523		0.8	0.34	569	<10	70	<0.5	<2	6.38	<0.5	34	10	36
H136912		3.37	0.086		<0.2	0.05	108	<10	10	<0.5	<2	0.79	<0.5	10	20	7



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
H136873		7.45	<10	<1	0.23	<10	3.30	1515	<1	0.04	43	500	3	4.78	8	27
H136874		3.73	<10	<1	0.08	<10	1.00	564	<1	0.01	14	150	<2	2.60	<2	7
H136875		7.71	<10	1	0.20	<10	2.98	1350	<1	0.03	34	470	<2	3.35	51	25
H136876		3.59	<10	<1	0.08	<10	1.23	694	<1	0.01	16	740	2	2.30	3	8
H136877		8.21	<10	<1	0.20	<10	2.94	1415	<1	0.02	35	460	3	6.65	6	20
H136878		4.00	<10	1	0.09	<10	0.45	378	<1	0.01	15	960	<2	2.89	17	4
H136879		7.69	<10	<1	0.18	<10	2.68	1240	<1	0.01	33	420	3	4.63	7	21
H136880		3.27	10	5	0.14	10	0.78	430	12	0.07	39	750	284	0.61	27	4
H136881		7.71	<10	<1	0.20	<10	2.88	1260	<1	0.02	33	640	<2	1.83	3	21
H136882		1.21	<10	<1	0.02	<10	0.20	183	<1	<0.01	3	50	<2	0.22	<2	1
H136883		7.99	<10	1	0.18	<10	2.60	1290	<1	0.01	30	560	3	7.26	8	20
H136884		7.49	<10	1	0.17	<10	2.90	1240	<1	0.02	37	390	<2	4.75	9	22
H136885		3.54	<10	<1	0.08	<10	0.97	549	<1	0.01	17	150	<2	2.35	3	8
H136886		0.84	<10	<1	0.02	<10	0.12	108	<1	<0.01	3	20	<2	0.33	<2	1
H136887		1.09	<10	<1	0.03	<10	0.18	170	<1	<0.01	4	30	<2	0.40	<2	1
H136888		4.08	<10	<1	0.03	<10	0.30	274	<1	0.01	11	310	4	3.94	<2	2
H136889		7.37	<10	<1	0.14	<10	2.29	1190	<1	0.02	26	180	3	6.03	4	19
H136890		0.07	<10	<1	0.01	<10	12.35	409	<1	0.02	<1	60	3	0.02	<2	<1
H136891		5.78	<10	<1	0.10	<10	1.09	615	<1	0.01	18	580	5	5.41	7	9
H136892		3.87	<10	<1	0.08	<10	1.45	763	<1	0.01	15	500	<2	2.84	<2	11
H136893		3.72	<10	<1	0.10	<10	1.61	884	<1	0.01	14	500	<2	2.49	<2	12
H136894		6.09	<10	<1	0.15	<10	1.63	891	<1	0.01	25	210	7	5.50	4	12
H136895		7.36	<10	<1	0.21	<10	2.09	1085	<1	0.01	35	320	5	6.84	5	17
H136896		3.76	<10	1	0.06	<10	0.59	536	<1	<0.01	17	130	5	3.24	6	6
H136897		3.08	<10	<1	0.06	<10	0.56	419	<1	0.01	10	100	3	2.49	3	4
H136898		8.80	<10	1	0.16	<10	2.06	1395	1	0.01	29	490	5	7.17	10	19
H136899		4.74	<10	1	0.06	<10	0.43	366	<1	0.01	15	100	5	4.50	8	4
H136900		3.54	10	<1	0.16	10	0.87	372	6	0.06	62	470	7	0.89	32	5
H136901		7.84	<10	1	0.17	<10	1.63	920	<1	0.01	27	200	4	7.35	8	14
H136902		7.33	<10	<1	0.22	<10	2.43	1800	<1	0.01	23	750	5	4.73	6	24
H136903		5.62	<10	<1	0.06	<10	0.48	513	<1	0.01	14	140	6	5.29	6	4
H136904		9.21	<10	1	0.17	<10	2.23	1555	<1	0.01	26	910	4	6.99	22	23
H136905		2.45	<10	1	0.04	<10	0.35	287	<1	<0.01	6	160	2	1.55	3	3
H136906		4.68	<10	<1	0.11	<10	1.47	837	<1	0.01	23	220	2	3.63	<2	11
H136907		8.18	<10	<1	0.19	<10	2.99	1535	<1	0.01	39	460	2	6.83	3	22
H136908		7.66	<10	<1	0.21	<10	3.12	1635	<1	0.02	38	470	5	5.59	6	27
H136909		3.10	<10	<1	0.09	<10	0.91	533	<1	0.01	14	140	<2	1.97	2	8
H136910		0.09	<10	<1	0.01	<10	12.65	435	<1	0.01	1	40	6	0.01	<2	<1
H136911		6.70	<10	<1	0.19	<10	2.88	1320	<1	0.02	39	490	2	4.75	3	22
H136912		1.68	<10	<1	0.03	<10	0.31	229	<1	0.01	6	40	<2	0.98	<2	2



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
H136873		190	<20	<0.01	<10	<10	42	<10	54
H136874		72	<20	<0.01	<10	<10	12	<10	9
H136875		144	<20	<0.01	<10	<10	39	<10	90
H136876		100	<20	<0.01	<10	<10	12	<10	22
H136877		217	<20	<0.01	<10	<10	26	<10	58
H136878		39	<20	<0.01	<10	<10	13	<10	24
H136879		183	<20	<0.01	<10	<10	32	<10	58
H136880		34	<20	0.09	<10	<10	59	<10	267
H136881		153	<20	<0.01	<10	<10	30	<10	86
H136882		18	<20	<0.01	<10	<10	3	<10	4
H136883		199	<20	<0.01	<10	<10	28	<10	40
H136884		174	<20	<0.01	<10	<10	33	<10	49
H136885		61	<20	<0.01	<10	<10	14	<10	16
H136886		9	<20	<0.01	<10	<10	2	<10	2
H136887		14	<20	<0.01	<10	<10	3	<10	3
H136888		28	<20	<0.01	<10	<10	6	<10	6
H136889		200	<20	<0.01	<10	<10	28	<10	27
H136890		172	<20	<0.01	<10	<10	3	<10	19
H136891		78	<20	<0.01	<10	<10	19	<10	14
H136892		127	<20	<0.01	<10	<10	14	<10	10
H136893		123	<20	<0.01	<10	<10	17	<10	12
H136894		118	<20	<0.01	<10	<10	20	<10	18
H136895		159	<20	<0.01	<10	<10	27	<10	22
H136896		36	<20	<0.01	<10	<10	16	<10	6
H136897		34	<20	<0.01	<10	<10	11	<10	4
H136898		115	<20	<0.01	<10	<10	57	<10	45
H136899		24	<20	<0.01	<10	<10	16	<10	6
H136900		38	<20	0.10	<10	<10	50	40	50
H136901		124	<20	<0.01	<10	<10	33	<10	15
H136902		153	<20	<0.01	<10	<10	51	<10	28
H136903		37	<20	<0.01	<10	<10	13	<10	10
H136904		118	<20	<0.01	<10	<10	69	<10	91
H136905		24	<20	<0.01	<10	<10	12	<10	6
H136906		115	<20	<0.01	<10	<10	19	<10	13
H136907		223	<20	<0.01	<10	<10	27	<10	33
H136908		203	<20	<0.01	<10	<10	39	<10	26
H136909		72	<20	<0.01	<10	<10	13	<10	8
H136910		174	<20	<0.01	<10	<10	2	<10	21
H136911		220	<20	<0.01	<10	<10	24	<10	41
H136912		24	<20	<0.01	<10	<10	5	<10	4



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
H136913		0.74	0.446		0.4	0.23	641	<10	50	<0.5	<2	4.32	<0.5	21	13	10
H136914		2.21	0.047		0.2	0.06	109	<10	20	<0.5	<2	1.11	<0.5	11	20	9
H136915		3.51	0.463		0.3	0.23	544	10	60	<0.5	<2	4.25	<0.5	28	12	18
H136916		3.67	0.047		<0.2	0.06	112	<10	20	<0.5	<2	1.01	<0.5	12	19	8
H136917		1.91	0.179		0.2	0.13	220	<10	20	<0.5	2	2.29	<0.5	8	14	5
H136918		3.81	0.683		0.6	0.46	633	<10	60	<0.5	2	5.80	<0.5	34	6	32
H136919		3.52	0.084		<0.2	0.05	276	<10	10	<0.5	<2	1.06	<0.5	19	16	15
H136920		0.08	0.273		0.4	0.39	444	<10	960	<0.5	2	1.04	<0.5	3	41	39
H136921		2.58	0.162		<0.2	0.13	231	<10	30	<0.5	<2	1.59	<0.5	13	16	11
H136922		2.72	0.573		0.5	0.60	679	10	70	<0.5	4	5.61	<0.5	36	9	28
H136923		1.33	0.013		<0.2	0.04	33	<10	10	<0.5	<2	0.46	<0.5	6	19	5
H136924		1.55	0.045		<0.2	0.07	120	<10	10	<0.5	<2	0.99	<0.5	9	11	14
H136925		3.47	0.509		0.5	0.53	654	<10	60	<0.5	2	6.04	<0.5	32	5	34
H136926		1.13	0.247		0.2	0.13	242	<10	20	<0.5	<2	2.57	<0.5	9	11	7
H136927		2.23	0.248		0.2	0.64	480	<10	60	<0.5	2	5.21	<0.5	38	8	56
H136928		1.11	0.748		0.6	0.45	515	<10	40	<0.5	<2	3.99	<0.5	24	8	43
H136929		3.57	0.039		<0.2	0.07	279	<10	10	<0.5	<2	1.31	<0.5	2	16	4
H136930		0.75	<0.005		<0.2	0.01	<2	10	60	<0.5	<2	17.8	<0.5	<1	<1	1
H136931		3.56	0.565		0.9	0.73	1915	<10	50	0.5	3	4.66	<0.5	23	7	46
H136932		3.92	0.552		0.8	0.44	487	<10	70	0.6	2	6.25	<0.5	30	9	31
H136933		4.17	0.536		1.1	0.60	519	<10	80	0.6	<2	6.11	<0.5	34	10	78
H136934		4.07	0.504		0.6	0.29	821	<10	60	0.5	2	6.8	<0.5	35	7	20
H136935		4.10	0.491		0.7	0.40	652	<10	60	0.5	<2	6.20	<0.5	32	7	28
H136936		1.84	0.052		<0.2	0.39	156	<10	40	<0.5	2	5.63	<0.5	35	11	45
H136937		1.24	0.009		<0.2	0.43	76	<10	30	<0.5	<2	5.27	<0.5	34	10	59
H136938		3.19	0.047		<0.2	0.30	95	<10	20	<0.5	<2	5.23	<0.5	35	9	50
H136939		4.06	2.08		<0.2	0.41	399	<10	30	<0.5	2	6.26	<0.5	38	9	71
H136940		0.08	0.699		2.2	0.65	27	<10	80	<0.5	6	1.83	0.7	7	31	7150
H136941		4.51	1.380		0.5	0.44	983	<10	50	0.5	2	6.61	<0.5	38	6	43
H136942		2.51	1.065		0.4	0.62	2150	<10	70	0.7	3	8.6	<0.5	40	5	37
H136943		1.98	1.040		0.4	0.48	604	<10	60	<0.5	2	7.3	<0.5	36	4	63
H136944		3.52	0.402		0.2	0.47	267	<10	50	<0.5	<2	5.30	<0.5	38	8	61
H136945		3.22	0.651		0.2	0.82	820	<10	60	0.7	2	6.45	<0.5	38	11	49
H136946		3.64	0.769		0.3	0.84	629	<10	70	0.6	2	6.36	<0.5	39	11	55
H136947		3.96	0.715		0.4	0.44	1580	<10	70	0.8	2	8.4	<0.5	45	5	23
H136948		1.26	1.325		0.5	0.36	1290	<10	50	0.7	2	8.7	<0.5	49	10	22
H136949		4.98	0.395		0.2	0.45	844	<10	90	0.7	<2	8.4	<0.5	39	8	16
H136950		0.59	<0.005		<0.2	0.02	3	<10	70	<0.5	<2	19.2	<0.5	<1	<1	1
H136951		4.37	0.281		0.2	0.51	704	<10	110	0.7	<2	9.9	<0.5	31	25	13
H136952		2.95	0.181		0.3	0.27	1155	<10	60	<0.5	2	14.8	<0.5	45	98	19



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**CERTIFICATE OF ANALYSIS TR12195629**

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
Units		%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
LOR		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
H136913		6.91	<10	1	0.13	<10	1.76	995	<1	0.01	23	160	2	6.04	12	14
H136914		2.16	<10	1	0.03	<10	0.37	339	<1	<0.01	5	40	<2	1.28	2	3
H136915		5.36	<10	<1	0.13	<10	1.71	965	<1	0.01	21	290	<2	4.10	<2	15
H136916		1.80	<10	<1	0.03	<10	0.34	299	<1	<0.01	5	50	<2	0.98	<2	3
H136917		3.25	<10	<1	0.04	<10	0.85	607	<1	<0.01	8	110	2	2.32	2	7
H136918		8.08	<10	<1	0.17	<10	2.45	1395	<1	0.01	28	540	3	5.83	5	20
H136919		1.94	<10	<1	0.03	<10	0.26	277	<1	<0.01	6	130	<2	1.40	<2	2
H136920		3.85	<10	3	0.10	10	0.03	70	13	0.03	15	140	14	0.23	29	1
H136921		2.78	<10	<1	0.05	<10	0.49	407	<1	<0.01	7	70	<2	1.97	<2	5
H136922		7.66	<10	<1	0.16	<10	2.48	1300	<1	0.01	28	500	3	5.49	4	22
H136923		0.84	<10	<1	0.01	<10	0.10	140	<1	<0.01	2	20	<2	0.27	<2	1
H136924		1.86	<10	<1	0.02	<10	0.33	310	<1	<0.01	9	50	5	1.14	2	2
H136925		8.67	<10	<1	0.17	<10	2.60	1440	<1	0.01	30	490	4	7.00	7	22
H136926		3.36	<10	<1	0.04	<10	1.11	716	<1	<0.01	7	150	2	2.18	2	9
H136927		7.35	<10	<1	0.17	<10	2.43	1405	<1	0.01	27	610	2	3.18	3	23
H136928		6.68	<10	1	0.10	<10	1.72	970	<1	0.01	23	320	<2	4.84	6	14
H136929		1.41	<10	<1	0.01	<10	0.23	325	<1	<0.01	4	70	<2	0.63	2	2
H136930		0.09	<10	<1	<0.01	<10	10.75	388	<1	0.01	<1	30	3	<0.01	2	<1
H136931		8.62	<10	2	0.15	<10	1.72	1095	<1	0.01	45	920	4	7.42	17	15
H136932		6.85	<10	<1	0.17	<10	2.76	1285	<1	0.01	38	550	2	4.36	4	18
H136933		6.98	<10	<1	0.24	<10	2.52	1305	<1	0.02	41	450	3	3.79	3	21
H136934		7.29	<10	<1	0.17	<10	3.00	1660	<1	0.01	50	290	2	4.99	4	23
H136935		7.07	<10	<1	0.19	<10	2.87	1410	<1	0.02	36	370	2	4.50	3	22
H136936		7.57	<10	<1	0.15	<10	3.08	1425	<1	0.03	36	560	2	0.85	<2	23
H136937		7.91	<10	<1	0.17	<10	3.08	1405	<1	0.04	37	600	<2	0.27	2	24
H136938		7.65	<10	<1	0.12	<10	3.12	1355	<1	0.03	36	590	<2	0.39	2	23
H136939		7.73	<10	<1	0.13	<10	2.93	1310	<1	0.04	37	550	<2	2.07	3	24
H136940		6.59	<10	2	0.28	<10	0.86	890	7	0.05	15	630	21	2.62	25	3
H136941		8.11	<10	<1	0.15	<10	3.16	1405	<1	0.02	38	540	3	5.58	4	24
H136942		8.91	<10	<1	0.19	<10	3.88	1785	<1	0.01	41	440	4	6.02	6	30
H136943		7.82	<10	<1	0.17	<10	3.24	1415	<1	0.02	34	570	2	3.91	5	23
H136944		7.67	<10	<1	0.19	<10	3.01	1330	<1	0.03	35	580	<2	1.27	4	22
H136945		8.40	<10	<1	0.17	<10	3.16	1480	<1	0.02	44	570	4	3.90	2	25
H136946		8.74	<10	<1	0.21	<10	3.52	1565	<1	0.01	40	640	2	3.15	4	26
H136947		9.92	<10	<1	0.20	<10	3.57	1845	<1	0.01	56	470	3	9.19	7	26
H136948		9.03	<10	<1	0.09	<10	4.05	1915	<1	0.01	90	120	5	8.18	6	27
H136949		7.85	<10	<1	0.22	<10	3.52	1800	<1	0.01	55	180	4	6.25	4	24
H136950		0.05	<10	<1	0.01	<10	11.65	357	<1	0.01	<1	40	5	0.01	2	<1
H136951		6.62	<10	<1	0.22	<10	4.49	1775	<1	0.01	128	180	<2	4.46	4	22
H136952		4.81	<10	<1	0.11	<10	6.97	2470	<1	0.01	711	140	2	2.16	13	15



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**CERTIFICATE OF ANALYSIS TR12195629**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
H136913		142	<20	<0.01	<10	<10	25	<10	17
H136914		30	<20	<0.01	<10	<10	6	<10	4
H136915		147	<20	<0.01	<10	<10	20	<10	27
H136916		28	<20	<0.01	<10	<10	7	<10	4
H136917		65	<20	<0.01	<10	<10	13	<10	12
H136918		181	<20	<0.01	<10	<10	35	<10	61
H136919		23	<20	<0.01	<10	<10	4	<10	5
H136920		77	<20	0.01	10	<10	28	10	23
H136921		39	<20	<0.01	<10	<10	12	<10	8
H136922		190	<20	<0.01	<10	<10	53	<10	36
H136923		8	<20	<0.01	<10	<10	3	<10	2
H136924		24	<20	<0.01	<10	<10	6	<10	10
H136925		182	<20	<0.01	<10	<10	44	<10	46
H136926		83	<20	<0.01	<10	<10	15	<10	12
H136927		114	<20	<0.01	<10	<10	49	<10	73
H136928		119	<20	<0.01	<10	<10	35	<10	39
H136929		16	<20	<0.01	<10	<10	8	<10	6
H136930		162	<20	<0.01	<10	<10	2	<10	10
H136931		147	<20	<0.01	<10	<10	58	<10	56
H136932		212	<20	<0.01	<10	<10	25	<10	64
H136933		169	<20	<0.01	<10	<10	35	<10	70
H136934		241	<20	<0.01	<10	<10	23	<10	45
H136935		209	<20	<0.01	<10	<10	27	<10	46
H136936		74	<20	<0.01	<10	<10	30	<10	86
H136937		55	<20	<0.01	<10	<10	34	<10	86
H136938		53	<20	<0.01	<10	<10	33	<10	85
H136939		92	<20	<0.01	<10	<10	32	<10	80
H136940		64	<20	0.04	<10	<10	42	<10	102
H136941		183	<20	<0.01	<10	<10	23	<10	54
H136942		299	<20	<0.01	<10	<10	35	<10	54
H136943		207	<20	<0.01	<10	<10	32	<10	70
H136944		96	<20	<0.01	<10	<10	38	<10	81
H136945		181	<20	<0.01	<10	<10	38	<10	74
H136946		179	<20	<0.01	<10	<10	44	<10	77
H136947		292	<20	<0.01	<10	<10	29	<10	41
H136948		337	<20	<0.01	<10	<10	28	<10	34
H136949		345	<20	<0.01	<10	<10	25	<10	33
H136950		183	<20	<0.01	<10	<10	2	<10	13
H136951		468	<20	<0.01	<10	<10	26	<10	33
H136952		845	<20	<0.01	<10	<10	20	<10	35



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**CERTIFICATE OF ANALYSIS TR12195629**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	Au-GRA21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
H136953		2.30	0.365		0.4	0.24	1640	<10	50	<0.5	2	12.6	<0.5	67	180	32
H136954		3.68	0.108		0.3	0.94	123	<10	80	<0.5	<2	2.57	<0.5	15	9	80

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*





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**CERTIFICATE OF ANALYSIS TR12195629**

Sample Description	Method Analyte Units LOR	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm
H136953		4.15	<10	<1	0.09	<10	5.46	2450	<1	0.01	1225	150	4	0.96	23	11
H136954		2.69	<10	<1	0.09	<10	1.23	1045	<1	0.01	33	500	9	0.68	<2	4

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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**CERTIFICATE OF ANALYSIS TR12195629**

Sample Description	Method Analyte Units LOR	ME-ICP41 Sr ppm 1	ME-ICP41 Th ppm 20	ME-ICP41 Ti % 0.01	ME-ICP41 Tl ppm 10	ME-ICP41 U ppm 10	ME-ICP41 V ppm 1	ME-ICP41 W ppm 10	ME-ICP41 Zn ppm 2
H136953		569	<20	<0.01	<10	<10	17	<10	48
H136954		130	<20	<0.01	<10	<10	7	<10	51



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**CERTIFICATE OF ANALYSIS TR12195629**

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.



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**CERTIFICATE TR12202480**

Project: CMV12-01  
 P.O. No.: CMV12-01\_48  
 This report is for 37 Crushed Core samples submitted to our lab in Terrace, BC, Canada on 29-AUG-2012.  
 The following have access to data associated with this certificate:

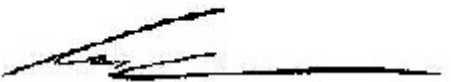
DARCY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
 SUITE 200, 900 WEST HASTINGS STREET  
 VANCOUVER BC V6C 1E5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12202480**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
H136955		0.83	0.128	0.4	0.04	30	<10	10	<0.5	<2	0.18	<0.5	1	7	20	1.28
H136956		1.19	0.029	<0.2	0.07	35	<10	10	<0.5	<2	1.74	<0.5	1	11	2	1.64
H136957		3.11	0.069	<0.2	0.07	63	<10	10	<0.5	<2	0.64	<0.5	1	11	1	1.35
H136958		3.06	0.007	<0.2	0.03	13	<10	10	<0.5	<2	0.24	<0.5	1	17	1	1.00
H136959		3.15	<0.005	<0.2	0.02	4	<10	<10	<0.5	<2	0.36	<0.5	<1	15	1	0.84
H136960		0.07	2.03	0.3	2.12	10	<10	70	<0.5	<2	0.60	<0.5	8	28	607	4.06
H136961		3.37	0.030	<0.2	0.02	29	<10	<10	<0.5	<2	0.19	<0.5	<1	11	2	0.97
H136962		3.60	0.160	0.3	0.12	184	<10	20	<0.5	<2	1.91	<0.5	6	9	2	3.12
H136963		1.84	<0.005	<0.2	0.03	3	<10	<10	<0.5	<2	0.60	<0.5	<1	12	1	0.81
H136964		3.39	0.050	<0.2	0.03	36	<10	10	<0.5	<2	2.47	<0.5	1	11	1	1.16
H136965		1.49	0.157	0.2	0.20	282	<10	30	<0.5	<2	1.84	<0.5	10	13	6	4.57
H136966		1.77	0.014	<0.2	0.04	45	<10	10	<0.5	<2	1.01	<0.5	1	12	1	1.24
H136967		1.46	0.163	<0.2	0.10	523	<10	20	<0.5	<2	3.97	<0.5	20	6	6	4.46
H136968		1.83	0.329	<0.2	0.16	414	<10	30	<0.5	<2	2.67	<0.5	13	11	4	4.15
H136969		1.59	0.453	<0.2	0.15	482	<10	30	<0.5	<2	3.96	<0.5	14	7	4	5.26
H136970		0.56	<0.005	<0.2	0.02	2	10	40	<0.5	<2	19.0	<0.5	<1	<1	<1	0.05
H136971		4.47	0.199	<0.2	0.14	170	<10	20	<0.5	<2	3.25	<0.5	5	10	2	2.45
H136972		3.58	0.221	<0.2	0.08	202	<10	20	<0.5	<2	1.27	<0.5	5	13	1	2.98
H136973		3.39	0.103	<0.2	0.12	257	<10	30	<0.5	<2	2.15	<0.5	11	13	1	3.55
H136974		2.14	0.050	<0.2	0.07	74	<10	20	<0.5	<2	0.61	<0.5	3	12	1	1.65
H136975		2.04	0.080	<0.2	0.04	98	<10	10	<0.5	<2	0.47	<0.5	3	9	1	1.45
H136976		2.58	0.008	<0.2	0.03	13	<10	<10	<0.5	<2	1.26	<0.5	<1	15	1	1.18
H136977		1.57	0.038	<0.2	0.27	65	<10	10	<0.5	<2	2.22	<0.5	7	30	7	2.11
H136978		1.57	0.289	<0.2	1.11	578	<10	90	0.8	<2	9.6	<0.5	35	50	27	7.22
H136979		5.04	0.280	0.5	0.94	467	<10	90	0.6	<2	8.1	<0.5	37	22	57	7.66
H136980		0.07	3.36	3.7	1.43	247	<10	420	<0.5	<2	1.23	1.4	9	52	73	3.25
H136981		2.32	0.186	0.4	0.51	1185	<10	70	0.5	<2	15.6	<0.5	53	231	14	5.05
H136982		0.73	0.093	<0.2	0.22	2190	<10	70	<0.5	<2	16.7	<0.5	87	226	6	3.64
H136983		2.88	0.126	<0.2	0.19	1195	<10	60	<0.5	<2	16.0	<0.5	49	130	8	4.25
H136984		1.08	0.422	0.3	0.54	499	<10	120	0.6	<2	8.5	<0.5	18	33	15	4.46
H136985		2.43	0.343	0.4	1.03	337	<10	140	0.6	<2	2.87	<0.5	17	5	154	4.90
H136986		0.80	0.008	<0.2	2.43	44	<10	140	0.5	<2	2.59	<0.5	18	4	114	5.78
H136987		1.62	0.356	<0.2	1.52	247	<10	120	0.5	<2	3.06	<0.5	15	3	96	5.22
H136988		1.43	0.099	<0.2	1.61	123	<10	230	0.6	<2	3.00	<0.5	19	3	157	5.26
H136989		2.02	1.615	0.3	0.87	1105	<10	60	0.6	<2	4.38	<0.5	22	2	36	7.25
H136990		0.65	<0.005	<0.2	0.03	<2	10	80	<0.5	<2	20.5	<0.5	<1	<1	<1	0.05
H136991		2.87	1.255	0.4	0.54	1060	<10	50	0.6	<2	4.41	<0.5	24	3	24	7.19



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**CERTIFICATE OF ANALYSIS TR12202480**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
H136955		<10	1	0.01	<10	0.05	101	<1	<0.01	5	30	<2	0.65	2	<1	3
H136956		<10	<1	0.03	<10	0.11	337	<1	<0.01	2	50	<2	0.47	<2	1	18
H136957		<10	<1	0.02	<10	0.04	167	<1	<0.01	3	70	<2	0.68	<2	1	7
H136958		<10	<1	0.01	<10	0.03	122	<1	<0.01	2	60	<2	0.11	<2	<1	4
H136959		<10	<1	<0.01	<10	0.03	126	<1	<0.01	2	10	<2	0.04	<2	<1	4
H136960		10	<1	0.14	10	0.86	724	8	0.07	20	620	9	0.09	<2	5	29
H136961		<10	<1	<0.01	<10	0.01	97	<1	<0.01	2	10	<2	0.33	<2	<1	2
H136962		<10	1	0.05	<10	0.39	410	<1	<0.01	11	70	<2	2.58	6	4	37
H136963		<10	<1	<0.01	<10	0.02	109	<1	<0.01	2	<10	<2	0.11	<2	<1	5
H136964		<10	<1	0.01	<10	0.05	285	<1	<0.01	4	40	<2	0.58	<2	1	21
H136965		<10	1	0.06	<10	0.59	420	<1	<0.01	25	390	2	4.07	5	5	46
H136966		<10	<1	0.01	<10	0.14	219	<1	<0.01	3	20	<2	0.46	<2	1	14
H136967		<10	<1	0.04	<10	1.17	771	<1	<0.01	18	280	2	4.07	3	10	108
H136968		<10	1	0.07	<10	1.07	672	<1	<0.01	19	350	<2	3.39	<2	9	87
H136969		<10	<1	0.05	<10	0.81	797	<1	<0.01	14	290	<2	4.85	3	8	73
H136970		<10	<1	<0.01	<10	11.60	426	<1	0.01	<1	40	3	0.01	<2	<1	183
H136971		<10	<1	0.04	<10	0.46	518	<1	<0.01	7	280	<2	1.67	<2	4	48
H136972		<10	<1	0.03	<10	0.28	276	<1	<0.01	8	200	<2	2.45	2	3	25
H136973		<10	1	0.06	<10	0.66	557	<1	<0.01	12	270	<2	2.71	2	5	52
H136974		<10	1	0.02	<10	0.17	206	<1	<0.01	4	420	<2	0.88	<2	2	15
H136975		<10	<1	0.01	<10	0.11	137	<1	<0.01	5	150	<2	1.04	<2	1	9
H136976		<10	<1	<0.01	<10	0.10	276	<1	<0.01	2	210	<2	0.11	<2	1	13
H136977		<10	1	0.01	10	0.34	430	<1	<0.01	27	510	<2	1.08	<2	3	38
H136978		<10	<1	0.17	10	3.25	1655	<1	0.01	70	1280	2	4.72	3	20	284
H136979		<10	<1	0.20	<10	3.99	1630	2	0.02	56	400	3	4.30	5	23	328
H136980		<10	5	0.13	<10	0.77	427	15	0.07	39	730	285	0.63	26	4	33
H136981		<10	1	0.10	<10	7.31	2400	2	0.02	787	80	4	2.04	12	20	748
H136982		<10	<1	0.13	<10	8.92	2880	2	0.01	1605	10	4	0.76	17	23	896
H136983		<10	<1	0.10	<10	8.59	2290	3	0.01	825	40	3	1.65	14	17	933
H136984		<10	<1	0.21	<10	4.02	1700	2	0.01	94	310	3	3.00	5	12	441
H136985		<10	<1	0.23	<10	1.27	993	3	0.02	16	700	<2	2.38	<2	8	96
H136986		<10	<1	0.22	<10	2.02	869	3	0.02	15	770	<2	0.09	<2	9	76
H136987		<10	<1	0.20	<10	1.61	996	3	0.02	10	840	2	1.24	<2	8	93
H136988		<10	<1	0.23	<10	1.59	944	3	0.02	12	690	<2	0.76	<2	11	78
H136989		<10	<1	0.27	<10	2.25	1420	2	0.02	15	490	3	6.16	2	13	193
H136990		<10	<1	0.01	<10	11.30	380	2	0.02	1	30	3	0.03	<2	<1	165
H136991		<10	<1	0.27	<10	2.15	1610	3	0.02	13	520	2	7.25	4	13	208



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12202480**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
H136955		<20	<0.01	<10	<10	2	<10	14
H136956		<20	<0.01	<10	<10	4	<10	2
H136957		<20	<0.01	<10	<10	4	<10	<2
H136958		<20	<0.01	<10	<10	1	<10	<2
H136959		<20	<0.01	<10	<10	1	<10	<2
H136960		<20	0.13	<10	<10	59	<10	83
H136961		<20	<0.01	<10	<10	1	<10	3
H136962		<20	<0.01	<10	<10	10	<10	4
H136963		<20	<0.01	<10	<10	1	<10	<2
H136964		<20	<0.01	<10	<10	2	<10	<2
H136965		<20	<0.01	<10	<10	21	<10	9
H136966		<20	<0.01	<10	<10	3	<10	<2
H136967		<20	<0.01	<10	<10	11	<10	13
H136968		<20	<0.01	<10	<10	12	<10	12
H136969		<20	<0.01	<10	<10	14	<10	11
H136970		<20	<0.01	<10	<10	2	<10	35
H136971		<20	<0.01	<10	<10	9	<10	5
H136972		<20	<0.01	<10	<10	7	<10	3
H136973		<20	<0.01	<10	<10	10	<10	7
H136974		<20	<0.01	<10	<10	5	<10	2
H136975		<20	<0.01	<10	<10	3	<10	<2
H136976		<20	<0.01	<10	<10	2	<10	<2
H136977		<20	<0.01	<10	<10	17	<10	8
H136978		<20	<0.01	<10	<10	73	<10	38
H136979		<20	<0.01	<10	<10	40	<10	46
H136980		<20	0.09	<10	<10	57	<10	269
H136981		<20	<0.01	<10	<10	40	<10	35
H136982		<20	<0.01	<10	<10	22	<10	31
H136983		<20	<0.01	<10	<10	21	<10	29
H136984		<20	<0.01	<10	<10	20	<10	22
H136985		<20	<0.01	<10	<10	16	<10	76
H136986		<20	<0.01	<10	<10	17	<10	94
H136987		<20	<0.01	<10	<10	15	<10	79
H136988		<20	<0.01	<10	<10	23	<10	75
H136989		<20	<0.01	<10	<10	20	<10	25
H136990		<20	<0.01	<10	<10	4	<10	9
H136991		<20	<0.01	<10	<10	20	<10	19



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**CERTIFICATE TR12138348**

Project: CMV12-01  
 P.O. No.: CMV12-01-2  
 This report is for 53 Drill Core samples submitted to our lab in Terrace, BC, Canada on 26-JUN-2012.  
 The following have access to data associated with this certificate:

DACRY BAKER DAVID RHYS	N. BONDOC RON VOORDOUW	MARGOT MCKEOWN
---------------------------	---------------------------	----------------

<b>SAMPLE PREPARATION</b>	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
BAG-01	Bulk Master for Storage

<b>ANALYTICAL PROCEDURES</b>		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30g FA-AA finish	AAS
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: EQUITY EXPLORATION CONSULTANTS LTD.  
 ATTN: MARGOT MCKEOWN  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager





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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12138348**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
H136258		1.62	<0.005	0.2	3.29	10	<10	10	<0.5	<2	6.9	<0.5	46	42	112	6.79
H136259		3.40	<0.005	0.2	1.34	23	<10	<10	<0.5	<2	6.00	<0.5	41	20	76	8.28
H136260		0.07	0.272	0.4	0.41	464	<10	1530	<0.5	<2	1.05	<0.5	6	41	39	3.91
H136261		3.98	<0.005	<0.2	0.31	39	<10	<10	<0.5	<2	5.24	<0.5	35	10	48	8.71
H136262		3.00	<0.005	<0.2	0.39	61	<10	<10	<0.5	<2	5.97	<0.5	47	10	58	7.60
H136263		5.56	<0.005	<0.2	0.37	47	<10	<10	<0.5	<2	5.02	<0.5	37	8	29	9.13
H136264		6.13	<0.005	<0.2	0.44	71	<10	<10	<0.5	<2	5.66	<0.5	40	7	48	8.27
H136265		6.15	<0.005	<0.2	0.35	89	<10	<10	<0.5	<2	5.18	<0.5	37	7	86	8.29
H136266		4.47	0.007	<0.2	0.36	79	<10	10	<0.5	<2	4.96	<0.5	33	5	69	7.81
H136267		6.37	0.029	0.3	0.49	99	<10	20	<0.5	<2	5.45	<0.5	37	7	67	7.68
H136268		6.59	0.044	0.2	0.58	27	<10	<10	<0.5	<2	5.63	<0.5	35	11	58	8.25
H136269		5.06	<0.005	<0.2	2.16	4	<10	<10	<0.5	<2	4.86	<0.5	34	43	75	8.55
H136270		0.33	<0.005	0.3	0.05	2	<10	<10	<0.5	<2	>25.0	<0.5	2	<1	1	0.08
H136271		5.08	0.017	0.2	0.49	32	<10	10	<0.5	<2	5.83	<0.5	34	6	56	7.85
H136272		6.55	0.009	<0.2	0.75	12	<10	10	<0.5	<2	6.53	<0.5	31	11	64	7.18
H136273		6.70	0.035	<0.2	1.27	19	<10	20	<0.5	<2	6.36	<0.5	34	16	64	7.12
H136274		2.78	0.043	<0.2	1.18	7	<10	10	<0.5	<2	5.84	<0.5	34	16	110	6.85
H136275		2.13	0.044	<0.2	1.24	4	<10	20	<0.5	<2	5.64	<0.5	33	17	102	6.98
H136276		5.72	<0.005	0.2	2.17	4	<10	10	<0.5	<2	5.05	<0.5	36	24	44	7.58
H136277		2.95	<0.005	<0.2	2.28	4	<10	<10	<0.5	<2	5.29	<0.5	37	25	21	7.69
H136278		1.66	0.016	<0.2	0.85	6	<10	10	<0.5	<2	6.5	<0.5	30	10	123	6.80
H136279		4.99	<0.005	<0.2	2.26	6	<10	<10	<0.5	<2	4.98	<0.5	36	27	28	7.59
H136280		0.07	0.743	2.2	0.66	30	<10	80	<0.5	<2	1.72	0.5	9	30	6860	6.22
H136281		5.59	0.014	0.2	1.31	5	<10	10	<0.5	<2	6.57	<0.5	30	11	221	6.58
H136282		6.05	<0.005	0.2	2.56	4	<10	10	<0.5	<2	4.84	<0.5	39	29	61	8.41
H136283		2.60	<0.005	<0.2	2.11	4	<10	10	<0.5	<2	6.13	<0.5	31	18	28	6.82
H136284		5.67	<0.005	<0.2	3.11	4	<10	20	<0.5	<2	3.81	<0.5	39	37	77	7.79
H136285		6.11	<0.005	<0.2	2.54	3	<10	30	<0.5	<2	4.62	<0.5	33	38	45	7.66
H136286		3.67	<0.005	<0.2	2.65	5	<10	30	<0.5	<2	4.63	<0.5	37	31	72	8.16
H136287		6.06	<0.005	<0.2	3.40	5	<10	190	<0.5	<2	3.75	<0.5	39	43	75	7.96
H136288		7.19	<0.005	<0.2	2.92	5	<10	350	<0.5	<2	4.85	<0.5	33	41	57	7.55
H136289		2.22	0.084	<0.2	2.66	106	<10	20	<0.5	<2	6.65	<0.5	36	34	84	7.60
H136290		0.35	<0.005	0.2	0.08	3	<10	10	<0.5	<2	>25.0	<0.5	2	1	1	0.12
H136291		3.30	<0.005	<0.2	3.51	14	<10	10	<0.5	<2	5.60	<0.5	35	40	79	8.44
H136292		6.43	<0.005	<0.2	3.23	35	<10	<10	<0.5	<2	4.86	<0.5	35	43	71	8.60
H136293		7.49	<0.005	<0.2	2.84	35	<10	<10	<0.5	<2	4.66	<0.5	33	40	79	7.82
H136294		4.99	<0.005	0.2	3.55	11	<10	<10	<0.5	<2	5.24	<0.5	34	52	54	8.20
H136295		7.12	<0.005	<0.2	3.02	51	<10	<10	<0.5	<2	4.48	<0.5	36	44	75	8.72
H136296		5.64	0.025	0.2	1.66	147	<10	10	<0.5	<2	5.04	<0.5	36	9	56	7.37
H136297		7.15	<0.005	<0.2	1.52	119	<10	10	<0.5	<2	4.81	<0.5	39	8	57	7.65



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12138348**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
H136258		10	<1	0.01	<10	2.42	1625	<1	0.03	44	550	<2	0.69	<2	25	76
H136259		<10	<1	0.04	<10	2.82	1570	<1	0.05	33	580	<2	0.10	<2	31	130
H136260		<10	4	0.09	10	0.03	75	13	0.06	17	150	13	0.25	30	1	87
H136261		<10	<1	0.06	<10	2.60	1575	<1	0.06	27	590	<2	0.02	<2	30	108
H136262		<10	<1	0.06	<10	2.69	1370	<1	0.06	36	450	<2	0.02	<2	28	131
H136263		<10	<1	0.08	<10	2.66	1635	<1	0.08	31	640	<2	0.01	<2	29	107
H136264		<10	<1	0.14	<10	2.66	1270	<1	0.07	29	530	<2	0.01	<2	25	117
H136265		<10	<1	0.15	<10	2.50	1300	<1	0.04	29	580	<2	0.04	5	22	110
H136266		<10	<1	0.16	<10	2.35	1275	<1	0.04	27	550	2	0.05	6	21	115
H136267		<10	<1	0.18	<10	2.31	1175	<1	0.04	31	560	<2	0.12	8	21	124
H136268		<10	<1	0.09	<10	2.32	1230	<1	0.05	27	540	<2	0.07	4	27	103
H136269		10	<1	0.02	<10	2.59	1190	<1	0.06	28	600	<2	0.01	<2	33	77
H136270		<10	<1	0.01	<10	1.80	33	<1	0.03	<1	40	<2	0.05	<2	<1	4870
H136271		<10	<1	0.21	<10	2.44	1215	<1	0.03	24	570	<2	0.12	<2	20	130
H136272		<10	<1	0.17	<10	2.51	1325	<1	0.03	24	620	<2	0.05	<2	20	152
H136273		<10	<1	0.18	<10	2.47	1390	<1	0.04	31	740	<2	0.11	<2	19	104
H136274		<10	<1	0.24	<10	1.97	1460	<1	0.03	28	710	<2	0.13	<2	19	88
H136275		<10	<1	0.22	<10	1.95	1455	<1	0.03	29	730	<2	0.08	<2	20	83
H136276		10	1	0.17	<10	2.38	1190	<1	0.04	33	760	<2	0.03	<2	23	74
H136277		10	<1	0.15	<10	2.83	1310	<1	0.04	32	720	<2	0.02	<2	25	79
H136278		<10	<1	0.17	<10	2.44	1285	<1	0.04	24	640	<2	0.04	<2	22	107
H136279		10	<1	0.15	<10	2.87	1265	<1	0.04	31	680	<2	0.03	<2	26	74
H136280		<10	2	0.27	<10	0.82	842	7	0.06	14	600	20	2.72	24	3	66
H136281		<10	<1	0.23	<10	2.31	1300	<1	0.04	26	690	<2	0.05	<2	23	103
H136282		10	<1	0.13	<10	2.62	1260	<1	0.04	36	690	<2	0.02	<2	27	72
H136283		10	<1	0.17	<10	2.43	1230	<1	0.04	27	730	<2	<0.01	<2	27	104
H136284		10	<1	0.08	<10	2.73	1115	<1	0.05	33	790	<2	0.01	<2	18	50
H136285		10	<1	0.13	<10	2.75	1190	<1	0.04	27	780	<2	0.03	<2	24	85
H136286		10	<1	0.17	<10	2.91	1315	<1	0.04	25	750	<2	0.06	<2	26	93
H136287		10	<1	0.09	<10	3.04	1275	<1	0.07	33	710	<2	0.02	<2	18	47
H136288		10	<1	0.12	<10	2.65	1415	<1	0.12	25	770	<2	0.01	<2	28	71
H136289		10	<1	0.10	<10	2.47	1210	<1	0.05	26	620	<2	0.79	<2	27	115
H136290		<10	<1	0.01	<10	1.58	41	<1	0.03	1	40	<2	0.10	<2	1	5440
H136291		10	<1	0.07	<10	2.65	1235	<1	0.05	28	700	<2	0.03	<2	32	133
H136292		10	<1	0.03	<10	2.74	1395	<1	0.04	33	710	<2	0.03	<2	34	121
H136293		10	<1	0.04	<10	2.50	1290	<1	0.05	29	620	<2	0.01	<2	29	107
H136294		20	<1	0.01	<10	2.84	1260	<1	0.05	30	640	<2	0.01	<2	34	113
H136295		10	<1	0.07	<10	2.66	1415	<1	0.05	29	670	<2	0.05	<2	28	77
H136296		<10	<1	0.13	<10	2.02	1075	<1	0.03	29	730	<2	0.30	<2	23	101
H136297		<10	<1	0.13	<10	2.29	1260	<1	0.05	34	660	<2	0.05	<2	23	69



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
H136258		<20	0.03	<10	<10	189	<10	106
H136259		<20	0.01	<10	<10	94	<10	86
H136260		<20	0.01	10	<10	28	10	22
H136261		<20	<0.01	<10	<10	42	<10	76
H136262		<20	<0.01	<10	<10	44	<10	80
H136263		<20	<0.01	<10	<10	41	<10	81
H136264		<20	<0.01	<10	<10	35	<10	79
H136265		<20	<0.01	<10	<10	24	<10	95
H136266		<20	<0.01	<10	<10	24	<10	91
H136267		<20	<0.01	<10	<10	29	<10	85
H136268		<20	<0.01	<10	<10	57	<10	87
H136269		<20	0.01	<10	<10	252	<10	100
H136270		20	<0.01	<10	<10	2	<10	<2
H136271		<20	<0.01	<10	<10	40	<10	82
H136272		<20	<0.01	<10	<10	61	<10	87
H136273		<20	<0.01	<10	<10	89	<10	86
H136274		<20	<0.01	<10	<10	96	<10	85
H136275		<20	<0.01	<10	<10	97	<10	87
H136276		<20	<0.01	<10	<10	137	<10	107
H136277		<20	0.01	<10	<10	140	<10	106
H136278		<20	<0.01	<10	<10	80	<10	75
H136279		<20	0.01	<10	<10	156	<10	104
H136280		<20	0.04	<10	<10	38	<10	99
H136281		<20	<0.01	<10	<10	98	<10	84
H136282		<20	0.01	<10	<10	188	<10	106
H136283		<20	0.01	<10	<10	123	<10	86
H136284		<20	0.44	<10	<10	230	<10	102
H136285		<20	0.07	<10	<10	190	<10	98
H136286		<20	0.01	<10	<10	157	<10	102
H136287		<20	0.28	<10	<10	227	<10	103
H136288		<20	0.26	<10	<10	243	<10	99
H136289		<20	0.01	<10	<10	178	<10	91
H136290		20	<0.01	<10	<10	3	<10	2
H136291		<20	0.03	<10	<10	270	<10	101
H136292		<20	0.01	<10	<10	268	<10	108
H136293		<20	0.01	<10	<10	230	<10	91
H136294		<20	0.03	<10	<10	291	<10	101
H136295		<20	0.02	<10	<10	214	<10	102
H136296		<20	<0.01	<10	<10	31	<10	91
H136297		<20	<0.01	<10	<10	29	<10	88



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
H136298		6.73	<0.005	0.2	0.87	120	<10	10	<0.5	<2	5.19	<0.5	37	8	58	7.87
H136299		3.93	0.233	0.4	1.60	218	<10	40	<0.5	<2	6.7	<0.5	34	9	56	7.26
H136300		5.25	0.007	<0.2	3.97	25	<10	<10	<0.5	<2	4.97	<0.5	37	48	58	8.26
H136301		7.30	<0.005	0.2	2.92	3	<10	<10	<0.5	<2	5.17	<0.5	37	32	65	8.25
H136302		3.35	<0.005	<0.2	2.75	2	<10	<10	<0.5	<2	5.50	<0.5	35	32	53	8.55
H136303		5.92	<0.005	<0.2	1.63	70	<10	40	<0.5	<2	6.03	<0.5	37	11	50	7.62
H136304		6.78	0.018	<0.2	0.96	37	<10	30	<0.5	<2	5.34	<0.5	37	10	49	7.67
H136305		3.94	0.019	<0.2	2.04	53	<10	10	<0.5	<2	5.75	<0.5	36	12	66	7.72
H136306		3.87	<0.005	<0.2	4.60	<2	<10	20	<0.5	<2	4.74	<0.5	38	24	68	9.34
H136307		6.01	<0.005	<0.2	4.53	3	<10	60	<0.5	<2	4.29	<0.5	39	23	57	9.34
H136308		5.93	0.007	<0.2	3.42	22	<10	70	0.6	<2	5.79	<0.5	38	18	84	9.33
H136309		7.58	<0.005	<0.2	3.60	22	<10	30	<0.5	<2	4.81	<0.5	37	21	65	9.35
H136310		3.58	0.140	0.2	3.08	235	<10	50	0.7	<2	5.46	<0.5	37	18	82	9.75



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		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
H136298		<10	<1	0.09	<10	2.66	1455	<1	0.06	32	620	<2	0.08	<2	25	78
H136299		<10	<1	0.13	<10	2.85	1405	<1	0.05	28	630	3	0.86	<2	26	132
H136300		20	<1	0.04	<10	3.25	1350	<1	0.04	31	700	<2	0.20	<2	32	103
H136301		10	<1	0.03	<10	2.71	1835	<1	0.06	30	700	<2	0.03	<2	30	126
H136302		10	<1	0.01	<10	2.81	1735	<1	0.03	27	670	2	0.01	<2	32	134
H136303		<10	<1	0.14	<10	2.83	1645	<1	0.02	34	630	<2	0.04	<2	30	126
H136304		<10	<1	0.11	<10	2.78	1685	<1	0.03	35	600	<2	0.28	2	27	84
H136305		<10	<1	0.09	<10	2.72	1620	<1	0.05	36	620	<2	0.04	3	30	113
H136306		20	1	<0.01	<10	3.35	1915	<1	0.02	29	820	3	0.01	2	35	187
H136307		20	1	0.01	<10	3.61	1655	<1	0.03	29	860	<2	0.01	<2	31	143
H136308		10	1	0.05	<10	3.26	1760	<1	0.03	27	830	<2	0.30	<2	29	181
H136309		10	1	0.06	<10	3.28	1675	<1	0.03	34	830	2	0.04	<2	33	115
H136310		10	<1	0.11	<10	3.00	1860	<1	0.02	30	740	2	1.19	2	30	126



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
H136298		<20	<0.01	<10	<10	33	<10	90
H136299		<20	<0.01	<10	<10	49	<10	65
H136300		<20	0.02	<10	<10	274	<10	94
H136301		<20	0.01	<10	<10	228	<10	101
H136302		<20	0.01	<10	<10	262	<10	109
H136303		<20	<0.01	<10	<10	33	<10	80
H136304		<20	<0.01	<10	<10	35	<10	92
H136305		<20	<0.01	<10	<10	35	<10	88
H136306		<20	0.05	<10	<10	370	<10	123
H136307		<20	0.08	<10	<10	357	<10	125
H136308		<20	0.01	<10	<10	274	<10	132
H136309		<20	0.01	<10	<10	269	<10	118
H136310		<20	<0.01	<10	<10	181	<10	103