

**BC Geological Survey  
Assessment Report  
33710c**

**China Minerals Mining Corporation**

**2012 TABLE MOUNTAIN PROPERTY  
DRILLING REPORT, CASSIAR GOLD  
PROJECT**

Volume III – Diamond Drill Logs

Liard Mining Division  
NTS 104P/5  
59° 14' N Latitude; 129° 40' W Longitude  
UTM 6567000 mN; 462000 mE; Zone 9

-prepared for-

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February 28, 2013

**Appendix F: Diamond Drill Logs**

# Drill Log

**Project:** Cassiar **Hole Number:** TM12-01

Prospect:	Table Mtn	Hole Type:	DD	Survey Type:	GPS	Logged By:	Ryan Congdon
Grid:		Hole Diameter:		Survey By:		Date Started:	20/08/2012
UTM Easting:	460781.01	Core Size:	NQ	Azimuth:	0	Date Completed:	21/08/2012
UTM Northing:	6562913.63	Casing Pulled?:	<input checked="" type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1405.001	Casing Depth (m):	6.09	Length (m):	127.41	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	19/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	20/08/2012
Local Elev. (m):							
Comments:							

Proposed hole TM-W. Drilled north testing the up dip portion of the Sky Vein. Hole dominantly argillite with brecciated zones containing clasts of argillite and QZ veins with minor shearing. From 84-88 m milky QZ vein is present with minor PY mineralization that likely represents Sky Vein. Bottom 30m of hole contains dark grey sandstone unit with 0.5-3% disseminated PY.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
14.94	-46.4	335	23.37	358.37	ReflexEZS		19/08/2012	5754	<input checked="" type="checkbox"/>	
54.56	-46.7	337.6	23.37	0.97	ReflexEZS		19/08/2012	5735	<input checked="" type="checkbox"/>	
115.52	-47.3	337.7	23.37	1.07	ReflexEZS		20/08/2012	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-	Zn ppm ME-ICP41	Pb ppm ME-		
<b>0.00</b>	<b>6.30</b>	<b>OVB Overburden</b>	<b>white</b>	<b>FCG</b>	6.00	6.30	0.30	G279589	-0.005	-2	35	9	-2
0 - 6.3: Communicated as overburden. Minor spun basalt and granite with consistent broken massive white quartz vein from 6 to 6.3m with minor vuggy limonite zones (2-10mm). Possible subcrop so sampled as such.													
<b>6.30</b>	<b>23.00</b>	<b>5DD Argillite</b>	<b>black</b>	<b>VFG</b>	15.15	16.45	1.30	G279591	0.069	37	43	155	40
6.3 - 23: Strongly laminated and banded unit, predominately competent breaking along bedding planes. Multiple thin (5mm) quartz and qtz-carbonate veins cross-cutting bedded (sub-vertical real). Several thicker 10 to 1cm extensional veins occur with associated banded and filling fractures. Consistent bedding orientation throughout the rest of the unit becomes shallow (tca) near faulted lower contact.													
<<Min: 15.15 - 16.4 1% pyrite>> Fracture filling and coating bedding planes, py aggregate associated with ext veining.													
<<Min: 16.4 - 67.1 0.1% pyrite>>													
<<Vein: 11.6 - 11.8 Quartz 45 deg. >> broken weak limonite alteration.													
<<Vein: 15.15 - 15.17 Quartz>> broken													
<<Vein: 15.55 - 15.56 Quartz 35 deg. >> py 2% in surrounding argillite													
<<Vein: 20 - 20.005 Quartz 50 deg. >>													

## Drill Log

**Project:**
**Cassiar**
**Hole Number:**
**TM12-01**

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		
<<Struc: 6.5 - 6.6 strong Bedded 45 deg. >> <<Struc: 15 - 15.1 strong Bedded 50 deg. >> <<Struc: 16.9 - 17 strong Bedded 55 deg. >> <<Struc: 19.9 - 20 strong Bedded 30 deg. >> <<Struc: 22.8 - 22.9 strong Bedded 10 deg. >>													
<b>23.00</b>	<b>25.55</b>	<b>FBX Fault breccia</b>	<b>black</b>	<b>FCG</b>	24.00	25.55	1.55	G279592	0.106	54	39	145	15
23 - 25.55: Black carbon rich fault gouge with abundant (50%) 0.5-1cm quartz vein fragments. Predominately quartz is sub-rounded and milled, however minor fracture veining does persist locally. Gradational deformation controlled lower boundary.													
<<Struc: 23 - 25.53 strong fault breccia>> <<Struc: 23.1 - 23.11 weak fault 25 deg. >>													
<b>25.55</b>	<b>33.00</b>	<b>5DD Argillite</b>	<b>black</b>	<b>VFG</b>	25.55	27.00	1.45	G279593	0.109	41	60	64	10
25.55 - 33: Moderately laminated argillite with local 4-10cm friable carbonaceous zones. Minor cross-cutting quartz and minor carbonate veining with rare bedding parallel veins. Moderate minor offsetting micro-faults and weak breccia textures.													
<<Vein: 31 - 31.01 Quartz 45 deg. >> bedding parallel <<Struc: 29.5 - 29.6 strong Bedded 55 deg. >>													
<b>33.00</b>	<b>35.00</b>	<b>FBX Fault breccia</b>	<b>black</b>	<b>FCG</b>	30.00	31.00	1.00	G279594	0.052	21	44	89	7
33 - 35: Sharp upper contact to mainly competent quartz rich (65%) argillite-qtz fault breccia. Dismembered and banded quartz veins with carbonaceous matrix and bands. Weak pyrite mineralisation. These listed fault zones are conspicuous due quartz vein content, deformation into other argillite units is likely mainly accommodated in bedding planes/folds and as fault gouge zones.													
<<Struc: 33 - 33.01 moderate fault 40 deg. >> <<Struc: 33 - 35 strong fault breccia 30 deg. >>													
<b>35.00</b>	<b>40.10</b>	<b>5DD Argillite</b>	<b>black</b>	<b>VFG</b>	33.00	34.00	1.00	G279595	0.181	108	33	26	13
35 - 40.1: Black clay/carbonaceous fault gouge affected argillite. Zones including just below upper contact with low angle graphitic argillite bedding. Minor brecciated and dismembered 0.5-1cm quartz veins embed in carbonaceous unit. Good drilling delivered consolidated core despite clay nature with moderate friable and brecciated zones. Slip planes display slickensides which could be interpreted to be steeply north dipping.													
<<Min: 35 - 40.1 1% pyrite>> <<Struc: 35 - 40.1 weak fault gouge>> <<Struc: 35.2 - 35.3 moderate Bedded 20 deg. >>													
					37.00	38.00	1.00	G279596	0.06	44	57	254	13
					38.00	39.00	1.00	G279597	0.107	70	43	147	30
					39.00	40.00	1.00	G279598	0.077	25	54	135	13

# Drill Log

Project:

Cassiar

Hole Number:

TM12-01

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-
46.00	48.00	2.00	G279599	0.08	15	55	107	12

**40.10 67.10 5DD Argillite black VFG**

40.1 - 67.1: Large unit of black argillite, variable bedding orientations (10-45 deg tca). Localised folding, 5-30cm moderate clay/carbonaceous semi-friable zones, and weak 0.5-1cm qtz and qtz-carbonate veins often dismembered and faulted. 62.9 to 63.8m coarser approaching fine sandstone unit appear. 60.6 to 62.8m increased competent argillite breccia with quartz infill.

<<Min: 46 - 47 1% pyrite>>

<<Vein: 41 - 41.02 Quartz 15 deg. >> crossing bedding

<<Struc: 43.1 - 43.2 moderate Bedded 25 deg. >>

<<Struc: 47.2 - 47.5 moderate Bedded 10 deg. >>

<<Struc: 57.5 - 57.6 moderate Bedded 40 deg. >>

<<Struc: 60 - 60.1 strong Bedded 30 deg. >>

<<Struc: 60.65 - 62.8 weak Brecciated >>

<<Struc: 66 - 66.1 moderate Bedded 10 deg. >>

58.00	59.80	1.80	G279651	0.06	20	65	132	10
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**67.10 68.65 FBX Fault breccia black FCG**

67.1 - 68.65: Quartz (30%) and argillite breccia, broken and faulted argillite with fine quartz veining, and locally intense 5 to 15cm of stongly brecciated 3-10mm sub-angular clasts.

<<Min: 67.1 - 83.9 0.5% pyrite>> disseminated (fine) in gouge and clasts,also forming bands sub-para to deformation.

<<Struc: 67.1 - 68.65 moderate fault breccia 50 deg. >>

67.10	68.65	1.55	G279652	0.178	117	45	121	16
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**68.65 69.30 5DD Argillite grey VFG**

68.65 - 69.3: Bedded and faulted argillite unit, low angle (tca) faulting and thin qtz veining offsetting beds.

<<Min: 69.3 - 69.8 1% pyrite>>

<<Struc: 69.3 - 69.8 moderate fault breccia>>

68.65	69.80	1.15	G279653	0.19	135	61	142	23
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**69.30 69.80 FBX Fault breccia black FCG**

69.3 - 69.8: Similar to above described qtz-argillite deformed zones.

<<Min: 69.3 - 69.8 1% pyrite>>

<<Struc: 69.3 - 69.8 moderate fault breccia>>

**69.80 70.20 5B Chert grey FG**

69.8 - 70.2: Siliceous laminated weakly brecciated chert, minor argillite unit.

<<Min: 69.8 - 70.2 0.05% pyrite>>

<<Struc: 70 - 70.1 moderate Bedded 60 deg. >>

69.80	70.20	0.40	G279654	0.112	107	56	65	12
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# Drill Log

Project:

Cassiar

Hole Number:

TM12-01

From (m) To (m) Rocktype & Description

**70.20 83.90 FBX Fault breccia black FCG**

70.2 - 83.9: Strongly brecciated and sheared quartz-argillite carbonaceous breccia. Varying content of quartz fragments 10 to 80% in a carbonaceous fault gouge. Locally zones of sub-angular 0.5-2cm argillite and quartz vein breccia, also 5-15cm friable black gouge zones and intense milled shear zone with rounded quartz clasts. 79.8 to 82.15m strong qtz content (up to 80%) stretched and dismembered with carbonaceous bands. Py (0.5%) forms in bands, minor clusters and disseminated.

<<Min: 70.2 - 83.9 1% pyrite>>

<<Struc: 70.2 - 83.9 strong fault breccia 45 deg. >>

<<Struc: 72.9 - 73 strong fault breccia 25 deg. >>

<<Struc: 78.15 - 78.2 strong fault breccia 40 deg. >>

<<Struc: 78.4 - 78.5 weak Bedded 55 deg. >> possible bedding? Similar orientation to faulting??

<<Struc: 80.8 - 80.9 strong fault breccia 50 deg. >>

<<Struc: 83.6 - 83.7 moderate fault breccia 40 deg. >>

**83.90 88.10 T5 Quartz Vein white FCG**

83.9 - 88.1: White quartz vein with sharp upper and lower contacts. Weak pyrite mineralization, however increases as fine to medium fracture filling in brecciated 40-60cm zones near quartz contacts.

<<Min: 83.9 - 84.65 2% pyrite>>

<<Min: 84.65 - 87.7 0.1% pyrite>>

<<Min: 87.7 - 88.1 2% pyrite>>

<<Vein: 83.9 - 88.1 Quartz 30 deg. >>

<<Struc: 83.9 - 84.65 weak Brecciated 35 deg. >>

<<Struc: 87.7 - 88.1 weak Brecciated >>

**88.10 91.15 5DD Argillite black VFG**

88.1 - 91.15: Graphitic broken and locally friable argillite, minor deformed quartz veins.

<<Min: 88.1 - 91.15 1% pyrite>>

**91.15 124.56 5Dc Sandstone grey FG**

91.15 - 124.56: Grey fine grained (medium sand) well sorted granular unit with moderate pyrite content (3%). Interbanded with 1 to 5cm argillite bands and abundant 2-10mm erratic cross-cutting quartz veins locally demonstrating extensional textures. 92.8 to 95.6m low angle (tca) quartz veining and competent shear banding with stretched sandstone clasts in fine black carbonaceous (seds) sheared matrix. Py is predominantly finely disseminated, and forming bands sub-para to bedding and coating fractures.

<<Min: 91.15 - 105.7 3% pyrite>> Finely disseminated, banded and fracture coating.

<<Min: 105.7 - 107 1% pyrite>>

<<Min: 107 - 112.5 3% pyrite>> fgr to mgr blebs and hedrons.

<<Min: 112.5 - 123.8 1% pyrite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
70.20	72.20	2.00	G279655	0.089	73	54	158	14
72.20	74.00	1.80	G279656	0.121	97	40	187	15
74.00	76.00	2.00	G279657	0.192	131	51	190	17
76.00	78.00	2.00	G279658	0.174	105	39	156	16
78.00	80.00	2.00	G279659	0.092	70	73	175	24
80.00	82.00	2.00	G279661	0.2	153	55	151	15
82.00	83.90	1.90	G279662	0.29	339	69	214	21
83.90	85.05	1.15	G279663	0.864	422	62	46	8
85.05	87.00	1.95	G279664	0.269	125	21	18	2
87.00	88.10	1.10	G279665	0.559	389	39	19	6
88.10	90.00	1.90	G279666	0.478	551	36	87	14
90.00	91.15	1.15	G279667	0.078	137	52	91	23
91.15	92.70	1.55	G279668	0.081	205	28	77	19
92.70	94.70	2.00	G279669	0.146	275	39	83	21
94.70	96.70	2.00	G279671	0.382	496	32	95	17
96.70	98.00	1.30	G279672	0.278	284	11	45	6
98.00	100.00	2.00	G279673	0.255	488	17	60	13

# Drill Log

Project:

Cassiar

Hole Number:

TM12-01

From (m) To (m) Rocktype & Description

<<Min: 123.8 - 124.56 3% pyrite>> fgr to mgr blebs and hedrons.  
 <<Vein: 100.2 - 100.202 Quartz 30 deg. >>  
 <<Struc: 92.8 - 95.6 moderate Sheared 10 deg. >> Possible sedimentary texture accommodating some strain. Qtz veins cross-cut.  
 <<Struc: 93.4 - 93.5 moderate Bedded 30 deg. >>  
 <<Struc: 96.3 - 96.5 moderate Bedded 25 deg. >>  
 <<Struc: 98.6 - 98.7 weak Bedded 30 deg. >>

**124.56 127.41 FBX Fault breccia black FCG**

124.56 - 127.41: Strongly brecciated black argillite. Matrix is strongly clay altered with abundant (40%) angular clasts of dominantly argillite. Contains minor finely disseminated PY.

<<Min: 124.56 - 127.41 0.5% pyrite>>

**End of Hole @ 127.41**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
100.00	102.00	2.00	G279674	0.324	487	15	51	12
102.00	104.00	2.00	G279676	0.164	285	18	60	15
104.00	105.70	1.70	G279677	0.605	520	13	85	13
105.70	107.00	1.30	G279678	0.01	30	21	87	22
107.00	109.00	2.00	G279679	0.13	302	17	72	14
109.00	111.00	2.00	G279681	0.486	618	20	61	13
111.00	112.50	1.50	G279682	0.226	374	24	79	18
112.50	114.00	1.50	G279683	0.038	70	20	66	15
114.00	115.64	1.64	G279684	0.027	74	17	55	15
115.64	117.00	1.36	G279685	-0.005	23	14	55	15
117.00	119.00	2.00	G279686	0.058	119	13	46	11
119.00	121.00	2.00	G279687	0.007	42	18	60	15
121.00	123.00	2.00	G279688	0.096	214	19	56	12
123.00	123.80	0.80	G279689	-0.005	26	10	43	12
123.80	124.56	0.76	G279691	0.05	148	14	50	10
124.56	127.41	2.85	G279692	0.142	255	31	195	35

# Drill Log

**Project:** Cassiar **Hole Number:** TM12-02

Prospect:	Table Mtn	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	21/08/2012
UTM Easting	460730.83	Core Size:	NQ	Azimuth:	0	Date Completed:	22/08/2012
UTM Northing:	6562910.36	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1396.04	Casing Depth (m):	7.62	Length (m):	94.18	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title		Drill Started:	20/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	21/08/2012
Local Elev. (m):							

**Comments:**

Proposed name TM-AA. Drilled to test down-dip extension of Sky Vein, approx. 35 m below thrust. Hole consists of argillite and brecciated argillite and QZ veins, with two approx. 1m milky QZ veins from 81-84m. PY mineralization is strongest in area directly above the two larger QZ veins, where intact stockwork QZ veining and minor sphalerite are present.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
14.94	-45.7	340.6	23.37	3.97	ReflexEZS		20/08/2012	5824	<input checked="" type="checkbox"/>	
45.42	-46.3	340.6	23.37	3.97	ReflexEZS		20/08/2012	5730	<input checked="" type="checkbox"/>	
91.14	-46.8	339.6	23.37	2.97	ReflexEZS		21/08/2012	5733	<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>8.70</b>	<b>OVB Overburden</b>									
<b>8.70</b>	<b>21.00</b>	<b>5DD Argillite black FCG</b>	12.00	14.00	2.00	G279693	0.011	79	82	144	12
8.7 - 21: Black, competent, argillite. Massive texture, with very fine-grained carbonaceous matrix containing 1mm-7cm flattened clasts of grey sandstone and small (1mm-2cm) rounded clasts of QZ±PY. Variable shearing from weak to moderate, with stronger shearing near upper and lower contacts which are in contact with bounding faulted units. Shearing has developed foliation which is parallel to bedding, and includes stretched QZ vein fragments.											
<<Min: 8.7 - 9.36 1% pyrite>>											
<<Min: 8.7 - 21 0.1% pyrite>> Patches of finely disseminated PY, with local concentrations up to 1% over 30 cm.											
<<Min: 9.93 - 21 0.5% pyrite>>											
<<Vein: 10.7 - 19.3 Quartz 80 deg. >> Intact vein of light grey QZ.											
<<Struc: 9.36 - 9.93 weak fault>> Gouge and clay-altered area.											
<<Struc: 9.93 - 10.7 moderate Sheared 60 deg. >> Small interval of moderate shearing.											
<<Struc: 10.7 - 19.3 weak Sheared 30 deg. >>											
<<Struc: 19.3 - 20 moderate Sheared 70 deg. >> Small interval of moderate shearing.											
			15.75	17.75	2.00	G279694	0.013	104	85	134	9



# Drill Log

Project:

Cassiar

Hole Number:

TM12-02

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- ICP41
21.00	39.32	5DD Argillite black FCG	21.50	23.50	2.00	G279695	0.175	88	84	310	62
<p>21 - 39.32: Dark grey to black, strongly clay-altered breccia unit. Consists of matrix of black, graphitic argillite with angular clasts of argillite and milky QZ veins (up to 50% vein fragments over 50 cm). Weak shear fabric present in some areas, likely overprinted by later brittle event.</p> <p>&lt;&lt;Min: 21.8 - 22.8 2% pyrite&gt;&gt; Disseminated in large clast of argillite in fault unit.            &lt;&lt;Min: 22.8 - 39.32 0.1% pyrite&gt;&gt; Isolated disseminations.            &lt;&lt;Struc: 21 - 39.32 strong breccia&gt;&gt; Brecciation of argillite.</p>											
39.32	41.00	10 Dyke grey-green FMG	39.32	41.00	1.68	G279697	0.026	82	129	104	2
<p>39.32 - 41: Minor interval of light grey-green, moderately sericite-altered dyke(?). Undeformed and in center of strongly faulted unit, so likely late dyke cross-cutting previous structures. Contains disseminated PY mineralization, and appears vesicular in some areas.</p>											
41.00	49.30	5DD Argillite black VFG	48.85	50.85	2.00	G279698	0.053	63	63	146	7
<p>41 - 49.3: Competent, dark grey to black graphitic argillite. Finely laminated/foliated, with PY as stringers/bands parallel to composite foliation and as isolated clots.</p> <p>&lt;&lt;Min: 41 - 49.3 0.4% pyrite&gt;&gt; Stringers/bands and isolated clots.            &lt;&lt;Vein: 48.85 - 48.97 Quartz-Ankerite 80 deg. &gt;&gt; QZ-AK vein in weakly sheared area.            &lt;&lt;Struc: 41 - 49.3 moderate Foliated 85 deg. &gt;&gt; Composite bedding/foliation.            &lt;&lt;Struc: 48.97 - 49.3 weak Sheared 85 deg. &gt;&gt;</p>											
49.30	68.00	5DD Argillite black FCG	60.00	62.00	2.00	G279699	0.144	127	42	36	12
<p>49.3 - 68: Dark grey to black, strongly clay-altered breccia unit. Consists of matrix of black, graphitic argillite with angular clasts of argillite and milky QZ veins (and light grey chert from ~53-54m). PY is present as isolated clots and stringers in more competent areas and as fine disseminations in gouge areas. Several fault planes are preserved, with lower several meters of unit intensely fragmented and clay altered.</p> <p>&lt;&lt;Min: 49.3 - 68 0.1% pyrite&gt;&gt; Locally up to 0.5% over 10s of cms.            &lt;&lt;Vein: 66.8 - 67 Quartz-Ankerite 40 deg. &gt;&gt;            &lt;&lt;Struc: 49.3 - 68 strong breccia&gt;&gt; Brecciation of argillite.            &lt;&lt;Struc: 56.5 - 56.7 weak fault 20 deg. &gt;&gt;            &lt;&lt;Struc: 59.74 - 63 strong fault 28 deg. &gt;&gt;            &lt;&lt;Struc: 67.33 - 67.8 strong fault 30 deg. &gt;&gt;</p>											
68.00	81.07	5DD Argillite black VFG	68.38	70.00	1.62	G279701	0.206	134	85	669	52
<p>68 - 81.07: Competent, black argillite. Finely laminated/foliated with bands of PY parallel to foliation. Foliation ranges from shallow near upper contact to steep in center of unit back to shallow nearing lower contact, and displays micro-folding of foliation and PY bands. PY also present as blebs and hedrons in some areas. Unit is variably fragmented in areas of QZ-AK flooding (10-20% of unit) with a few competent and well-formed QZ-AK veins. Trace SP present in one area of QZ-AK veining.</p>											

# Drill Log

Project:

Cassiar

Hole Number:

TM12-02

From (m)	To (m)	Rocktype & Description
<<Min: 68 - 81.07	2% pyrite>>	Bands and stringers, also some areas of minor blebs and hedrons.
<<Min: 78.9 - 78.94	0.05% sphalerite>>	
<<Vein: 78.47 - 78.64	Quartz-Ankerite 25 deg. >>	
<<Struc: 68.3 - 68.31	moderate Bedded 13 deg. >>	Composite bedding/shear fabric.
<<Struc: 74.2 - 74.21	moderate Bedded 75 deg. >>	Composite bedding/shear fabric.
<<Struc: 80.8 - 80.81	moderate Bedded 50 deg. >>	Composite bedding/shear fabric.
<b>81.07</b>	<b>81.74</b>	<b>T5 Quartz Vein</b>
		<b>white FCG</b>
81.07 - 81.74: Competent, milky QZ vein with minor AK bands. Unmineralized.		
<<Vein: 81.07 - 81.74 Quartz-Ankerite 25 deg. >> Competent, milky QZ vein with minor AK bands. Unmineralized Sky Vein.		
<b>81.74</b>	<b>83.03</b>	<b>5DD Argillite</b>
		<b>black VFG</b>
81.74 - 83.03: Competent, black graphitic argillite. Finely laminated/foliated with PY bands parallel to foliation. Contains about 20% milky QZ-AK veins.		
<<Min: 81.74 - 83.03 1% pyrite>> Bands.		
<<Struc: 81.74 - 83.03 moderate Bedded 32 deg. >> Composite bedding/shear fabric.		
<b>83.03</b>	<b>84.17</b>	<b>T5 Quartz Vein</b>
		<b>white FCG</b>
83.03 - 84.17: Competent, milky QZ vein with minor AK bands. Unmineralized.		
<<Vein: 83.03 - 84.17 Quartz-Ankerite 28 deg. >> Competent, milky QZ vein with minor AK bands. Unmineralized Sky Vein.		
<b>84.17</b>	<b>90.00</b>	<b>5DD Argillite</b>
		<b>black VFG</b>
84.17 - 90: Competent, black graphitic argillite. Finely laminated/foliated, with PY bands parallel to foliation. Milky QZ veins present parallel to foliation and also x-cutting foliation.		
<<Min: 84.17 - 90 2% pyrite>> Bands and isolated clots.		
<<Struc: 85.25 - 85.26 moderate Bedded 55 deg. >> Composite bedding/shear fabric.		
<<Struc: 89.5 - 89.51 moderate Bedded 55 deg. >> Composite bedding/shear fabric.		
<b>90.00</b>	<b>94.18</b>	<b>5DD Argillite</b>
		<b>black FCG</b>
90 - 94.18: Dark grey to black, strongly gouge and clay-altered breccia unit. Consists of matrix of graphitic argillite with small angular clasts of argillite and milky QZ. Very minor finely disseminated PY.		
<<Min: 90 - 94.18 0.1% pyrite>>		
<<Struc: 90 - 94.18 strong breccia>> Brecciation of argillite.		

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
70.00	72.00	2.00	G279702	0.303	130	84	374	50
72.00	74.00	2.00	G279703	0.145	112	113	214	28
74.00	76.00	2.00	G279704	0.148	140	65	195	25
76.00	78.00	2.00	G279705	0.156	299	32	126	15
78.00	78.94	0.94	G279706	0.177	352	43	202	12
78.94	80.50	1.56	G279707	0.195	465	52	131	14
80.50	81.07	0.57	G279708	0.199	557	64	156	17
81.07	81.74	0.67	G279709	0.032	82	6	166	3
81.74	83.03	1.29	G279711	0.248	419	275	166	21
83.03	84.17	1.14	G279712	0.066	91	12	33	2
84.17	85.04	0.87	G279713	0.333	548	41	146	17
85.04	86.12	1.08	G279714	0.493	813	47	108	5
86.12	88.09	1.97	G279715	0.268	543	45	105	6
88.09	90.00	1.91	G279716	0.294	604	41	89	6
90.00	91.56	1.56	G279717	0.165	321	68	164	15
91.56	94.18	2.62	G279718	0.211	422	70	208	22

## Drill Log

**Project:**

**Cassiar**

**Hole Number:**

**TM12-02**

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-
<b>End of Hole @ 94.18</b>											

# Drill Log

**Project:** Cassiar **Hole Number:** TM12-03

Prospect:	Table Mtn	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	23/08/2012
UTM Easting:	460648.66	Core Size:	NQ	Azimuth:	0	Date Completed:	24/08/2012
UTM Northing:	6562928.26	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1382.665	Casing Depth (m):	7.62	Length (m):	115.51	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	22/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	23/08/2012
Local Elev. (m):							

**Comments:**

Proposed name TM-AF. Drilled to test down-dip extension of Sky Vein. Dominantly weakly sheared argillite with brecciated and silicified listwanite from 46-60 m. Disseminated PY from 1-3% occurs from 73-76 and 77-79 m, with trace SP and TT present in listwanite unit at approx. 60 m. Two notable but largely unmineralized milky QZ veins occur at approx. 100 and 106 m.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
5.79	-48	324.6	23.37	347.97	ReflexEZS		20/08/2012	5775	<input type="checkbox"/>	
8.84	-47.7	325.7	23.37	349.07	ReflexEZS		22/08/2012	5751	<input checked="" type="checkbox"/>	
36.27	-47.9	325	23.37	348.37	ReflexEZS		22/08/2012	5735	<input checked="" type="checkbox"/>	
66.75	-48.2	324.7	23.37	348.07	ReflexEZS		22/08/2012	5729	<input checked="" type="checkbox"/>	
106.38	-49.6	323	23.37	346.37	ReflexEZS		22/08/2012	5735	<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>7.62</b>	<b>OVB Overburden</b>									
<b>7.62</b>	<b>46.00</b>	<b>5DD Argillite black VFG</b>	13.00	14.94	1.94	G279719	0.051	20	44	161	10
7.62 - 46: Semi-competent black argillite. Finely laminated with composite bedding/foliation with numerous fractures parallel to foliation. Several intervals of broken core and rubble zones. PY bands and stringers parallel to foliation, with QZ-AK veins typically sub-parallel to foliation but also more uncommonly cross-cutting foliation. Towards bottom of unit veining generally broken, especially where core is sheared and/or brecciated. From 31-46 m stockwork veining present, typically broken.											
<<Min: 7.62 - 40 0.1% pyrite>> Stringers and finely disseminated.											
<<Min: 40 - 46 0.5% pyrite>> Bands parallel to foliation.											
<<Vein: 31.48 - 31.55 Quartz-Ankerite 60 deg. >>											
<<Vein: 42.18 - 42.22 Quartz-Ankerite 65 deg. >>											
<<Struc: 17 - 17.01 Bedded 70 deg. >> Composite bedding/shear fabric.											
<<Struc: 24 - 29 strong fault>> Gouge/rubble zone.											
			20.30	22.00	1.70	G279721	0.067	22	64	205	15
			30.18	32.18	2.00	G279722	0.073	28	47	215	14
			36.27	39.32	3.05	G279723	0.064	53	31	297	47
			39.32	41.27	1.95	G279724	0.07	105	47	326	14
			41.27	43.00	1.73	G279726	0.072	94	22	126	10
			43.00	44.00	1.00	G279727	0.049	71	34	336	15

# Drill Log

Project:

Cassiar

Hole Number:

TM12-03

From (m) To (m) Rocktype & Description

<<Struc: 30.4 - 46 weak Sheared 50 deg. >> Weak shearing over large area.  
 <<Struc: 32.7 - 32.71 Bedded 47 deg. >> Composite bedding/shear fabric.  
 <<Struc: 36 - 39 strong fault>> Gouge zone with broken veins.  
 <<Struc: 39 - 39.01 Bedded 52 deg. >> Composite bedding/shear fabric.  
 <<Struc: 42.37 - 42.75 moderate fault 70 deg. >>  
 <<Struc: 43 - 43.01 Bedded 50 deg. >> Composite bedding/shear fabric.

**46.00 60.10 7 Listwanite grey-green FCG**

46 - 60.1: Competent, light grey-green listwanite. Largely brecciated, with grey siliceous matrix of QZ flooding containing fragments of light green fuchsite and clasts of milky QZ veins and clots of PY, with some clay-epidote patches towards bottom of unit. Contains very minor PY overall.

<<Min: 46 - 60.1 0.1% pyrite>> Small, isolated patches of blebs.

**60.10 63.70 FLG Fault gouge medium grey FMG**

60.1 - 63.7: Faulted and clay-altered breccia. Medium-grey to light blue in color, consisting primarily of clay with fragments of argillite and milky QZ veins. Small, competent interval near top of unit contains milky QZ stringers with SP and TT. Largely unmineralized.

<<Min: 60.1 - 60.4 0.5% pyrite>>

<<Min: 60.2 - 60.3 0.05% tetrahedrite>>

<<Min: 60.2 - 60.3 0.05% sphalerite>>

<<Struc: 60.1 - 63.7 strong fault>>

**63.70 69.80 LC Lost Core**

63.7 - 69.8: Lost core.

<<Struc: 63.7 - 69.8 intense fault>>

**69.80 75.90 5DD Argillite black VFG**

69.8 - 75.9: Competent black argillite. Finely laminated with composite bedding/foliation. PY bands and stringers parallel to foliation in places, with QZ-AK stringers (where present) typically sub-parallel to foliation but also more uncommonly cross-cutting foliation. Disseminated PY towards end of interval near contact with fault.

<<Min: 72.85 - 75.9 1% pyrite>> fgr to mgr blebs and hedrons.

<<Vein: 69.9 - 69.96 Quartz-Ankerite 70 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
44.00	46.00	2.00	G279728	0.075	154	51	180	23
46.00	47.74	1.74	G279729	0.09	1025	20	45	12
47.74	49.60	1.86	G279731	0.094	901	14	32	10
49.60	51.51	1.91	G279732	0.16	859	14	102	34
51.51	53.40	1.89	G279733	0.047	739	9	138	80
53.40	54.56	1.16	G279734	0.051	385	3	62	23
54.56	57.61	3.05	G279735	0.202	337	3	65	26
57.61	60.10	2.49	G279736	0.195	299	8	146	110
60.10	60.60	0.50	G279737	0.106	104	39	1565	391
60.60	62.00	1.40	G279738	0.155	135	71	1045	141
62.00	63.70	1.70	G279739	0.21	196	91	352	102
69.80	70.90	1.10	G279741	-0.005	22	20	69	15
72.85	75.90	3.05	G279742	0.019	146	28	82	14

# Drill Log

Project:

Cassiar

Hole Number:

TM12-03

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-
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**75.90 77.00 5DD Argillite black FG**

75.9 - 77: Intensely faulted zone consisting of black mud matrix containing small (1mm) clasts of milky QZ. Trace finely disseminated PY.

<<Struc: 75.9 - 77 intense breccia>> Brecciated argillite.

**77.00 105.30 5DD Argillite black FMG**

77 - 105.3: Competent black argillite with several small intervals (<1m) of medium grey sandstone. Finely laminated with composite bedding/foliation and numerous clasts of medium grey sandstone flattened/sheared parallel to foliation. PY bands and stringers parallel to foliation in places, with two notable milky QZ veins but little mineralization. Disseminated PY in upper 2 m of unit. Several minor fault present.

<<Min: 77 - 78.94 3% pyrite>> fgr to mgr blebs and hedrons.

<<Min: 80.31 - 80.77 3% pyrite>> Finely disseminated near vein margins.

<<Vein: 80.47 - 80.77 Quartz 24 deg. >> Milky QZ vein with broken and faulted margins.

<<Vein: 99.9 - 100.3 Quartz 10 deg. >> Milky QZ vein with patches of green sericite.

<<Struc: 79.3 - 80.2 moderate fault 65 deg. >>

<<Struc: 82 - 82.01 Bedded 90 deg. >> Composite bedding/shear fabric.

<<Struc: 86 - 86.01 Bedded 50 deg. >> Composite bedding/shear fabric.

<<Struc: 91.3 - 91.31 Bedded 60 deg. >> Composite bedding/shear fabric.

**105.30 105.90 T5 Quartz Vein white FCG**

105.3 - 105.9: Milky QZ vein with broken and faulted margins.

<<Vein: 105.3 - 105.9 Quartz 45 deg. >> Milky QZ vein with broken and faulted margins.

**105.90 115.51 5DD Argillite black FMG**

105.9 - 115.51: Competent black argillite with several small intervals (<1m) of medium grey sandstone. Finely laminated with composite bedding/foliation and numerous clasts of medium grey sandstone flattened/sheared parallel to foliation. PY bands and stringers parallel to foliation in places, with two notable milky QZ veins but little mineralization. Disseminated PY in upper 2 m of unit. Several minor fault present.

<<Min: 109.65 - 110 0.5% pyrite>>

<<Struc: 109.65 - 110 moderate fault 55 deg. >>

<<Struc: 112 - 112.01 Bedded 50 deg. >> Composite bedding/shear fabric.

**End of Hole @ 115.51**

77.00	78.94	1.94	G279744	0.184	461	24	75	13
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89.14	91.14	2.00	G279743	-0.005	6	43	118	25
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99.54	100.35	0.81	G279745	-0.005	4	36	108	27
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105.22	106.38	1.16	G279746	-0.005	-2	25	75	22
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# Drill Log

**Project:** Cassiar **Hole Number:** TM12-04

Prospect:	Table Mtn	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	24/08/2012
UTM Easting:	460597.22	Core Size:	NQ	Azimuth:	0	Date Completed:	25/08/2012
UTM Northing:	6562866.42	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1372.574	Casing Depth (m):	4.57	Length (m):	133.81	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	23/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	24/08/2012
Local Elev. (m):							

**Comments:**

Proposed name PropTM-AH. Drilled to test down-dip extension of Sky Vein. Top 35 m of hole primarily chert with small interval of sericitized basalt, after which is primarily AK/sericite-altered basalt. From 75-87 m basalt is strongly brecciated and clay altered (Erickson Fault Zone), after which altered basalt is variably sheared until a moderate shear zone is present at the contact between the basalt and sandstone. Best mineralization is present in faulted and sheared basalt, where PY is present up to 3-5% over meter-scale intervals. Several milky QZ veins near upper chert units contain blebs of CP but are associated with little to no PY.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
11.89	-44.2	335.8	23.37	359.17	ReflexEZS		23/08/2012	5779	<input checked="" type="checkbox"/>	
42.37	-44.8	336.9	23.37	0.27	ReflexEZS		24/08/2012	5730	<input checked="" type="checkbox"/>	
72.85	-45.4	336.7	23.37	0.07	ReflexEZS		24/08/2012	5729	<input checked="" type="checkbox"/>	
103.33	-46	337.8	23.37	1.17	ReflexEZS		24/08/2012	5742	<input checked="" type="checkbox"/>	
124.66	-46	339	23.37	2.37	ReflexEZS		24/08/2012	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>5.13</b>	<b>OVB Overburden</b>									
<b>5.13</b>	<b>21.52</b>	<b>5B Chert grey-green FMG</b>	10.00	11.98	1.98	G279747	0.007	49	33	126	19
5.13 - 21.52: Competent, but fractured, light grey-green chert. Variably and patchily sericite-altered and silicified, with several notable QZ-AK veins, typically bounded by small milky QZ stringers. PY generally rare, except in areas of veining where it increases slightly. Small black interval from 8-8.5m where chert is muddy, with several areas of sericite alteration yellow-green in color. Unit weakly sheared.											
<<Min: 5.13 - 21.52 0.1% pyrite>>											
<<Alt: 5.13 - 9.5 weak White mica (Sericite)>>											
<<Alt: 9.5 - 21.52 weak Silicification >>											
<<Vein: 15.05 - 15.3 Quartz-Ankerite 18 deg. >>											
<<Vein: 18.07 - 18.33 Quartz 20 deg. >>											
			11.98	16.00	4.02	G279748	0.006	27	35	83	21
			16.00	17.98	1.98	G279749	-0.005	15	33	43	5
			17.98	18.60	0.62	G279751	-0.005	18	16	33	12
			18.60	20.60	2.00	G279752	-0.005	26	12	66	8
			20.60	21.52	0.92	G279753	-0.005	8	1	26	4

# Drill Log

Project:

Cassiar

Hole Number:

TM12-04

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: 20 - 20.2 Quartz 28 deg. >> <<Struc: 5.13 - 21.52 weak Sheared>> <<Struc: 8.6 - 8.7 weak fault>> <<Struc: 9 - 9.01 Bedded 40 deg. >> Composite bedding/shear fabric. <<Struc: 11.6 - 11.61 Bedded 40 deg. >> Composite bedding/shear fabric.											
<b>21.52</b>	<b>22.50</b>	<b>T1 Basalt</b>	<b>green</b>			<b>FMG</b>					
21.52 - 22.5: Competent, pale green basalt. Moderate, pervasive sericite alteration.											
<<Min: 21.52 - 22.5 0.5% pyrite>> <<Alt: 21.52 - 22.5 moderate White mica (Sericite)>>											
<b>22.50</b>	<b>23.40</b>	<b>5B Chert</b>	<b>grey-green</b>			<b>FMG</b>					
22.5 - 23.4: Competent, light grey-green chert. Patchily silicified, with a single QZ-AK vein containing a bleb of CP, with milky QZ stringers surrounding vein.											
<<Min: 22.5 - 23.4 0.1% pyrite>> <<Alt: 22.5 - 28.5 weak White mica (Sericite)>> <<Alt: 22.5 - 31.97 moderate Silicification >> <<Vein: 23.27 - 23.37 Quartz-Ankerite 38 deg. >> Vein with single bleb of CP.											
<b>23.40</b>	<b>31.97</b>	<b>T1 Basalt</b>	<b>grey-green</b>			<b>FMG</b>					
23.4 - 31.97: Competent, light grey-green basalt. Zone of QZ flooding near top of unit (25-25.5m), with stockwork veining present over bottom half of unit (28.5-31.97m) near single milky QZ vein.											
<<Min: 31.32 - 31.33 0.1% chalcopryrite>> <<Vein: 30.91 - 31.08 Quartz 40 deg. >>											
<b>31.97</b>	<b>35.05</b>	<b>5B Chert</b>	<b>medium grey</b>			<b>FMG</b>					
31.97 - 35.05: Competent, medium grey chert. Minor milky QZ stringers and one QZ-AK vein near lower contact.											
<<Min: 33.22 - 34.3 0.5% pyrite>> <<Min: 34.94 - 37.4 0.4% pyrite>> <<Alt: 34.94 - 37.1 weak White mica (Sericite)>> <<Alt: 34.94 - 58.19 weak Calcite>> <<Vein: 34.31 - 34.52 Quartz-Ankerite 30 deg. >>											



# Drill Log

Project:

Cassiar

Hole Number:

TM12-04

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-
<<Struc: 33.3 - 33.31 Bedded 55 deg. >> Composite bedding/shear fabric.											
<b>35.05</b>	<b>58.19</b>	<b>T1 Basalt</b>	<b>green</b>			<b>FMG</b>					
35.05 - 58.19: Competent, green, massive basalt. Weak calcite and sericite alteration, with several small intervals of weak shearing and faulting and clay alteration with a few milky QZ-AK veins and very minor disseminated PY in veined and faulted areas. Two small intervals with possible mariposite (37.1-37.4 and 41.9-42.2 m).											
<<Min: 36.08 - 36.09 0.1% chalcopyrite>>											
<<Min: 48.9 - 49.5 0.4% pyrite>>											
<<Alt: 37.1 - 58.19 weak White mica (Sericite)>>											
<<Alt: 49.5 - 50.58 moderate Clay>>											
<<Alt: 54 - 54.9 weak Clay>>											
<<Vein: 35.68 - 36.14 Quartz-Ankerite 24 deg. >> Small milky QZ-AK vein with bleb of CP and milky QZ stringers along margins.											
<<Struc: 42 - 42.37 weak Sheared 80 deg. >>											
<<Struc: 43.18 - 43.6 moderate fault 20 deg. >>											
<<Struc: 54.9 - 55.5 weak Sheared 40 deg. >>											
<b>58.19</b>	<b>75.40</b>	<b>T1A Pillow Basalt</b>	<b>green</b>			<b>FG</b>					
58.19 - 75.4: Competent, green, pillowed basalt. Variolitic texture present in some inter-pillow areas. Pervasive calcite alteration in top half of unit, turning to pervasive sericite alteration in bottom half of unit. Milky QZ stringers in sericite alteration zone.											
<<Min: 61 - 61.2 0.4% pyrite>>											
<<Min: 75.2 - 75.6 1% pyrite>>											
<<Alt: 58.19 - 66.05 weak Calcite>>											
<<Alt: 66.05 - 75.4 weak White mica (Sericite)>>											
<<Vein: 58.9 - 59 Quartz 53 deg. >> Milky QZ vein.											
<<Struc: 58.4 - 58.8 weak Sheared 20 deg. >>											
<<Struc: 61 - 61.2 moderate fault>> Gouge zone with PY.											
<b>75.40</b>	<b>79.50</b>	<b>T1 Basalt</b>	<b>light grey</b>			<b>FCG</b>					
75.4 - 79.5: Brecciated basalt consisting of matrix of light grey clay with angular clasts of basalt and milky QZ veins. Also contains clots of PY and finely disseminated PY at variable concentrations											
<<Min: 77 - 78.94 0.1% pyrite>>											
<<Min: 78.94 - 80.44 0.5% pyrite>>											
<<Vein: 75.4 - 75.6 Quartz>> Milky QZ vein at contact, with broken margins.											
<<Struc: 75.4 - 79.5 strong breccia>>											

# Drill Log

Project:

Cassiar

Hole Number:

TM12-04

From (m) To (m) Rocktype & Description

**79.50 80.44 FBX Fault breccia medium grey FCG**

79.5 - 80.44: Gouge and clay-altered breccia. Consists of matrix of dark grey to black mud, with angular clasts of light grey altered basalt and milky QZ veins. Also contains clots of PY and finely disseminated PY at variable concentrations.

<<Struc: 79.5 - 80.44 intense breccia>>

**80.44 84.70 T1 Basalt light grey FCG**

80.44 - 84.7: Brecciated basalt consisting of matrix of light grey clay with angular clasts of basalt and milky QZ veins. Also contains clots of PY and finely disseminated PY at variable concentrations

<<Min: 80.44 - 83.7 1% pyrite>>

<<Min: 83.7 - 84.6 5% pyrite>> Coarse clots and also disseminated.

<<Min: 84.6 - 86.75 3% pyrite>> fgr to mgr blebs and hedrons.

<<Struc: 80.44 - 84.7 strong breccia>>

**84.70 86.00 FBX Fault breccia medium grey FCG**

84.7 - 86: Gouge and clay-altered breccia. Consists of matrix of dark grey to black mud, with angular clasts of light grey altered basalt, milky QZ veins, and possibly argillite. Also contains clots of PY and finely disseminated PY at variable concentrations.

<<Struc: 84.7 - 86 intense breccia>>

**86.00 86.50 7 Listwanite grey-green FCG**

86 - 86.5: Competent listwanite (?) breccia. Clay matrix with light grey fragments containing mariposite as well as altered basalt fragments.

**86.50 87.55 FBX Fault breccia light grey FCG**

86.5 - 87.55: Smaller interval of breccia described above.

<<Min: 86.75 - 89 2% pyrite>>

**87.55 101.16 T1 Basalt light grey FG**

87.55 - 101.16: Competent, light grey, altered basalt. Weak sericite/AK alteration. Contains numerous milky QZ stringers and disseminated PY begins to appear at approx. 97m.

<<Min: 89 - 90.33 2% pyrite>>

<<Min: 97.82 - 99 2% pyrite>>

<<Alt: 87.55 - 101.16 moderate Sericite-Ankerite>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
79.50	80.44	0.94	G279774	1.155	1200	44	1540	308
80.44	82.20	1.76	G279776	0.829	916	11	120	27
82.20	83.70	1.50	G279777	0.677	519	4	38	24
83.70	84.70	1.00	G279778	1.13	986	6	161	52
84.70	86.00	1.30	G279779	0.868	824	22	30	17
86.00	86.50	0.50	G279781	0.816	962	14	22	7
86.50	87.55	1.05	G279782	0.975	1170	31	66	17
87.55	89.00	1.45	G279783	0.313	359	94	47	7
89.00	90.33	1.33	G279784	0.1	253	57	37	3
90.33	91.40	1.07	G279785	0.025	112	29	76	2
91.40	93.00	1.60	G279786	0.012	66	100	63	4
93.00	94.70	1.70	G279787	0.006	72	77	65	7
94.70	96.36	1.66	G279788	0.006	56	57	75	4
96.36	97.90	1.54	G279789	0.018	126	62	81	5
97.90	99.00	1.10	G279791	0.58	357	22	93	4

# Drill Log

Project:

Cassiar

Hole Number:

TM12-04

From (m) To (m) Rocktype & Description

**101.16 102.80 SHZN Shear Zone light grey FCG**

101.16 - 102.8: Competent, light grey-tan shear zone. Consists primarily of sericite-altered basalt with sheared and boudined milky QZ veins/stringers parallel to foliation.

<<Struc: 101.16 - 102.8 weak Sheared 24 deg. >>

**102.80 109.85 T1 Basalt light grey FG**

102.8 - 109.85: Competent, light grey, altered basalt. Moderate AK/sericite alteration. Weak shearing and milky QZ stringers, with disseminated PY up to 4% over small intervals.

<<Min: 102.9 - 103.2 4% pyrite>>

<<Min: 105 - 106 0.5% pyrite>> fgr to mgr blebs and hedrons.

<<Min: 107.7 - 108.4 0.5% pyrite>>

<<Min: 108.4 - 109.1 1% pyrite>>

<<Min: 109.1 - 109.85 3% pyrite>>

<<Vein: 102.8 - 103.04 Quartz-Ankerite 24 deg. >>

<<Struc: 102.8 - 109.85 weak Sheared 10 deg. >> Weak shearing in altered basalt.

**109.85 114.00 SHZN Shear Zone grey-brown FCG**

109.85 - 114: Competent, grey-brown moderately sheared zone. Dominantly sheared argillite with altered basalt towards top of unit. Numerous QZ-AK veins and stringers sheared and broken. PY present as isolated clots and as bands parallel to shear fabric, ranging from 3-5%.

<<Min: 109.85 - 112.36 5% pyrite>>

<<Min: 112.36 - 115 3% pyrite>> fgr to mgr blebs and hedrons.

<<Vein: 112.2 - 112.47 Quartz 30 deg. >>

<<Struc: 109.85 - 114 moderate Sheared 41 deg. >> 32 degrees near upper contact, 50 degrees near lower contact.

**114.00 133.81 5Dc Sandstone black FMG**

114 - 133.81: Competent, dark grey-black sandstone. Milky QZ stockwork from 114-123m.

<<Min: 115 - 120 1% pyrite>> fgr to mgr blebs and hedrons.

<<Min: 120 - 125.6 0.5% pyrite>>

<<Vein: 122.75 - 122.82 Quartz 80 deg. >>

<<Struc: 119.5 - 120 moderate fault 42 deg. >> Clay and breccia.

**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-
99.00	100.28	1.28	G279792	0.007	22	64	94	2
100.28	101.16	0.88	G279793	0.008	59	50	100	3
101.16	102.80	1.64	G279794	0.146	567	59	88	4

102.80	103.33	0.53	G279795	0.749	1220	129	145	11
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103.33	105.20	1.87	G279796	0.128	318	57	99	6
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105.20	106.80	1.60	G279797	0.085	412	88	69	3
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106.80	108.40	1.60	G279798	0.053	305	19	89	4
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108.40	109.13	0.73	G279799	0.373	1575	55	67	7
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109.13	109.85	0.72	G279801	1.025	1865	17	31	7
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109.85	111.55	1.70	G279802	0.671	1005	33	24	11
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111.55	112.47	0.92	G279803	0.572	680	31	30	14
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112.47	114.00	1.53	G279804	0.615	599	28	30	13
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114.00	115.00	1.00	G279805	0.49	443	31	23	13
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116.50	118.00	1.50	G279806	0.285	446	23	21	9
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118.00	120.00	2.00	G279807	0.427	644	24	27	11
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120.00	121.62	1.62	G279808	0.026	68	15	53	13
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121.62	123.10	1.48	G279809	0.043	41	15	106	42
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124.66	126.00	1.34	G279811	0.029	37	20	58	16
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**Drill Log**

**Project:**

**Cassiar**

**Hole Number:**

**TM12-04**

# Drill Log

**Project:** Cassiar **Hole Number:** TM12-05

Prospect:	Table Mtn	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	25/08/2012
UTM Easting:	460605.4	Core Size:	NQ	Azimuth:	0	Date Completed:	26/08/2012
UTM Northing:	6562900.6	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1371.913	Casing Depth (m):	3.05	Length (m):	78.94	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	24/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	25/08/2012
Local Elev. (m):							

**Comments:**

Proposed name PropTM-AG. Drilled to test up-dip extent of QZ veining and pyritized shear zone intersected in TM12-04. Hole is similar to TM12-04 with basalt at top followed by chert in the center of which is a large milky QZ vein. After this is basalt which transitions from competent into a brecciated fault zone after which is a small shattered chert unit. This is followed by a shear zone in altered basalt which transitions into a fault zone at the center of which is a large, brecciated milky QZ vein. The fault zone transitions back into competent basalt, after which is a sheared chert interlayered with small pods of argillite and followed by a proper argillite unit which is also sheared. Next comes basalt which contains two small shear zones, below which is a weakly sheared listwanite that ends in a small shear zone. Then comes a basalt unit which contains areas of brecciation and several intact milky QZ veins, with the hole finally ending in a black sandstone. PY is present in a number of areas, but is most notable at the top of the hole in the chert (which contains a few QZ-AK veins, one of which has a bleb of CP) and in the brecciated and sheared mafic units where it is disseminated from 3-5% over much of the structure.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
11.89	-43.9	335	23.37	358.37	ReflexEZS		24/08/2012	5741	<input checked="" type="checkbox"/>	
42.37	-44.9	335.6	23.37	358.97	ReflexEZS		25/08/2012	5730	<input checked="" type="checkbox"/>	
69.8	-45.5	335.8	23.37	359.17	ReflexEZS		25/08/2012	5736	<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- ICP41
<b>0.00</b>	<b>3.05</b>	<b>OVB Overburden</b>									
<b>3.05</b>	<b>8.50</b>	<b>T1 Basalt green-brown FMG</b>	5.00	5.79	0.79	G279812	0.033	202	4	43	-2
3.05 - 8.5: Broken, green-orange basalt. Partial oxidation along fracture surfaces with weak AK/sericite alteration.											
<<Min: 3.05 - 8 0.5% pyrite>>											
<<Min: 7.26 - 7.27 0.1% chalcopyrite>>											
<<Alt: 3.05 - 8.5 weak Sericite-Ankerite>>											
<<Alt: 3.05 - 12.5 weak White mica (Sericite)>>											
<<Vein: 7.24 - 7.32 Quartz-Ankerite 40 deg. >> Contains single bleb of CP.											
<<Struc: 6 - 9.4 weak Sheared 50 deg. >>											
			7.00	8.00	1.00	G279813	0.009	158	70	57	-2
			8.00	10.00	2.00	G279814	-0.005	40	67	69	-2

# Drill Log

Project:

Cassiar

Hole Number:

TM12-05

From (m) To (m) Rocktype & Description

**8.50 12.50 T1 Basalt**

**light grey FMG**

8.5 - 12.5: Competent, light grey, basalt. Weak AK/sericite alteration.

<<Min: 12 - 12.5 1% pyrite>> fgr to mgr blebs and hedrons.

<<Alt: 8.5 - 12.5 weak Sericite-Ankerite>>

<<Alt: 8.5 - 12.5 weak Ankerite>>

<<Vein: 11.97 - 12.09 Quartz-Ankerite 24 deg. >>

**12.50 19.38 5B Chert**

**medium grey FMG**

12.5 - 19.38: Competent, medium grey chert. Contains cm-scale PY clots and milky QZ stringers and patches.

<<Min: 12.8 - 14.6 0.5% pyrite>>

<<Min: 14.6 - 18.43 0.1% pyrite>>

<<Min: 18.43 - 20 0.5% pyrite>>

<<Vein: 13.14 - 13.31 Quartz-Ankerite 26 deg. >>

<<Vein: 18.9 - 19.08 Quartz 30 deg. >> Contains PY aggregates.

<<Struc: 17.98 - 18.43 weak Sheared 59 deg. >>

**19.38 19.88 T5 Quartz Vein**

**white FCG**

19.38 - 19.88: Extensional milky QZ vein.

<<Vein: 19.38 - 19.88 Quartz 40 deg. >>

<<Vein: 19.38 - 19.88 Quartz-Ankerite>> Angle indetermint.

**19.88 22.60 5B Chert**

**medium grey FMG**

19.88 - 22.6: Competent, medium grey chert.

<<Min: 20 - 20.7 2% pyrite>> fgr to cgr blebs and hedrons.

<<Min: 20.7 - 21.8 1% pyrite>>

<<Min: 21.8 - 22.6 0.5% pyrite>>

<<Vein: 21.13 - 21.3 Quartz 45 deg. >> Milky QZ vein with PY stringers.

<<Struc: 20 - 20.7 weak Sheared 38 deg. >>

**22.60 29.90 T1 Basalt**

**light grey FG**

22.6 - 29.9: Competent, light grey, variably AK-sericite altered basalt. Stronger sericite alteration in bottom 2 m of unit which are not AK altered. Milky QZ stringers in sericite altered area.

<<Min: 27.4 - 27.6 0.5% pyrite>> fgr to mgr blebs and hedrons.

<<Alt: 22.6 - 27.6 moderate Sericite-Ankerite>>

<<Alt: 27.6 - 29.9 moderate White mica (Sericite)>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
10.00	11.30	1.30	G279815	0.082	85	100	73	-2
11.30	11.89	0.59	G279816	0.058	258	40	37	-2
11.89	12.50	0.61	G279817	0.144	315	51	37	-2
12.50	13.00	0.50	G279818	0.137	129	27	14	-2
13.00	13.60	0.60	G279819	0.111	205	16	16	-2
13.60	15.60	2.00	G279821	0.119	72	32	21	-2
15.60	17.60	2.00	G279822	0.012	21	90	40	9
17.60	18.43	0.83	G279823	0.013	82	103	40	10
18.43	19.38	0.95	G279824	0.154	109	31	18	2
19.38	19.88	0.50	G279826	0.011	11	6	8	-2
19.88	21.03	1.15	G279827	1.845	474	90	32	6
21.03	22.60	1.57	G279828	0.128	70	19	21	3
22.60	24.08	1.48	G279829	0.104	157	63	78	-2
24.08	26.00	1.92	G279831	-0.005	63	102	83	-2
26.00	27.30	1.30	G279832	0.015	140	74	69	-2
27.30	27.90	0.60	G279833	0.041	155	79	60	-2

# Drill Log

Project:

Cassiar

Hole Number:

TM12-05

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-
<<Vein: 22.8 - 22.88		Quartz-Ankerite 45 deg. >>	27.90	29.90	2.00	G279834	0.006	110	68	63	-2
<<Vein: 27.6 - 27.7		Quartz 30 deg. >>									
<b>29.90</b>	<b>33.58</b>	<b>T1 Basalt</b>	<b>29.90</b>	<b>32.40</b>	<b>2.50</b>	<b>G279835</b>	<b>0.158</b>	<b>424</b>	<b>100</b>	<b>51</b>	<b>2</b>
29.9 - 33.58: Breccia zone with clay-altered basalt matrix containing angular fragments of AK-altered basalt and milky QZ veins.											
<<Min: 32.4 - 33.45		2% pyrite>>	32.40	33.58	1.18	G279836	1.475	1250	326	345	82
<<Min: 33.45 - 34.8		0.5% pyrite>>									
<<Struc: 29.9 - 33.58		strong breccia>>									
<b>33.58</b>	<b>34.80</b>	<b>5B Chert</b>	<b>33.58</b>	<b>34.80</b>	<b>1.22</b>	<b>G279837</b>	<b>0.283</b>	<b>219</b>	<b>13</b>	<b>41</b>	<b>25</b>
33.58 - 34.8: Competent but shattered medium grey chert. Contains fragments of milky QZ veins.											
<b>34.80</b>	<b>35.53</b>	<b>SHZN Shear Zone</b>	<b>34.80</b>	<b>35.53</b>	<b>0.73</b>	<b>G279838</b>	<b>0.835</b>	<b>780</b>	<b>374</b>	<b>1985</b>	<b>308</b>
34.8 - 35.53: Moderately sheared medium grey basalt.											
<<Struc: 34.8 - 35.53		moderate Sheared 50 deg. >>									
<b>35.53</b>	<b>36.80</b>	<b>T1 Basalt</b>	<b>35.53</b>	<b>36.80</b>	<b>1.27</b>	<b>G279839</b>	<b>1.07</b>	<b>1225</b>	<b>40</b>	<b>459</b>	<b>105</b>
35.53 - 36.8: Breccia zone with clay-altered basalt matrix containing angular fragments of AK-altered basalt and milky QZ veins.											
<<Min: 36.36 - 36.8		5% pyrite>>									
<<Struc: 35.53 - 36.8		strong breccia>>									
<b>36.80</b>	<b>38.14</b>	<b>T5 Quartz Vein</b>	<b>36.80</b>	<b>38.14</b>	<b>1.34</b>	<b>G279841</b>	<b>0.201</b>	<b>164</b>	<b>4</b>	<b>65</b>	<b>32</b>
36.8 - 38.14: Brecciated milky QZ vein.											
<<Min: 36.8 - 38.14		0.5% pyrite>> fgr to mgr blebs and hedrons.									
<<Vein: 36.8 - 38.14		Quartz>> Brecciated milky QZ vein.									
<b>38.14</b>	<b>40.13</b>	<b>T1 Basalt</b>	<b>38.14</b>	<b>39.32</b>	<b>1.18</b>	<b>G279842</b>	<b>0.595</b>	<b>567</b>	<b>6</b>	<b>47</b>	<b>101</b>
38.14 - 40.13: Breccia zone with milky QZ and clay-altered basalt matrix containing angular fragments of milky QZ and AK-altered basalt.											
<<Min: 38.14 - 39.8		1% pyrite>>	39.32	40.13	0.81	G279843	1.08	1155	22	1235	269
<<Min: 39.8 - 41.9		3% pyrite>> fgr to mgr blebs.									
<<Struc: 38.14 - 40.13		strong breccia>>									
<b>40.13</b>	<b>43.15</b>	<b>T1 Basalt</b>	<b>40.13</b>	<b>41.79</b>	<b>1.66</b>	<b>G279844</b>	<b>1.98</b>	<b>1700</b>	<b>11</b>	<b>281</b>	<b>89</b>
40.13 - 43.15: Faulted, light grey, AK-altered basalt. Contains PY clots and aggregates as well as milky QZ vein fragments.											
<<Min: 41.9 - 43.45		1% pyrite>> fgr to mgr blebs and hedrons.	41.79	42.37	0.58	G279845	0.745	954	9	71	22

# Drill Log

Project:

Cassiar

Hole Number:

TM12-05

From (m) To (m) Rocktype & Description

<<Vein: 41.92 - 42.17 Quartz-Ankerite 30 deg. >>

**43.15 45.00 5B Chert medium grey VFG**

43.15 - 45: Competent, medium grey chert. Moderately sheared with several small intervals of interlayered argillite. Contains PY bands and clots, with bands parallel to shear fabric.

<<Min: 43.45 - 45 5% pyrite>> Bands and aggregates.

<<Vein: 44.21 - 44.41 Quartz 33 deg. >>

<<Struc: 43.15 - 45 moderate Sheared 50 deg. >> Sheared and interlayered chert and argillite.

**45.00 46.46 5DD Argillite black VFG**

45 - 46.46: Competent, moderately sheared black argillite with PY bands parallel to foliation.

<<Min: 45 - 46.46 3% pyrite>> Bands and aggregates.

**46.46 53.26 T1 Basalt light grey FMG**

46.46 - 53.26: Competent, light grey AK-altered basalt. Contains disseminated PY.

<<Min: 46.46 - 47.8 1% pyrite>>

<<Min: 47.8 - 51.8 2% pyrite>> fgr to mgr blebs and hedrons.

<<Min: 51.8 - 53.7 1% pyrite>> fgr to mgr blebs and hedrons.

**53.26 54.00 SHZN Shear Zone light grey VFG**

53.26 - 54: Competent, light grey, moderately sheared AK-altered basalt. Contains QZ veins parallel to foliation.

<<Min: 53.7 - 55.1 2% pyrite>> fgr to mgr blebs and hedrons.

<<Struc: 53.26 - 54 moderate Sheared 68 deg. >>

**54.00 55.70 T1 Basalt light grey FG**

54 - 55.7: Light grey, brecciated, AK-altered basalt. Contains disseminated PY.

<<Min: 55.1 - 58.8 0.5% pyrite>> fgr to mgr blebs and hedrons.

<<Struc: 54 - 55.7 weak Sheared 90 deg. >>

**55.70 57.40 SHZN Shear Zone light grey VFG**

55.7 - 57.4: Competent, light grey, moderately sheared AK-altered basalt.

<<Struc: 55.7 - 57.4 moderate Sheared 60 deg. >>

**57.40 58.80 7 Listwanite light grey FMG**

57.4 - 58.8: Competent, light grey listwanite with disseminated PY and mariposa. Also contains fragment of milky QZ veins.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
42.37	43.51	1.14	G279846	0.595	829	10	93	32
43.51	44.30	0.79	G279847	1.43	1405	32	235	64
44.30	45.00	0.70	G279848	0.624	681	16	42	28
45.00	46.46	1.46	G279849	1.06	1150	34	424	90
46.46	48.46	2.00	G279851	0.429	713	17	37	8
48.46	49.85	1.39	G279852	0.306	613	21	22	5
49.85	51.51	1.66	G279853	0.27	693	13	24	7
51.51	53.28	1.77	G279854	0.124	333	38	23	4
53.28	54.00	0.72	G279855	0.062	241	25	22	3
54.00	55.70	1.70	G279856	0.615	1335	11	26	3
55.70	57.40	1.70	G279857	0.774	1510	26	38	4
57.40	58.80	1.40	G279858	0.139	569	17	45	-2



# Drill Log

Project:

Cassiar

Hole Number:

TM12-05

From (m) To (m) Rocktype & Description

**58.80 59.25 SHZN Shear Zone light grey VFG**

58.8 - 59.25: Competent, light grey, moderately sheared AK-altered basalt. Milky QZ/AK veins cross-cut shear fabric.

<<Min: 58.8 - 61.1 2% pyrite>> fgr to mgr blebs and hedrons.

<<Vein: 58.86 - 58.94 Ankerite 35 deg. >>

<<Struc: 58.8 - 59.25 moderate Sheared 54 deg. >>

**59.25 71.83 T1 Basalt light grey FG**

59.25 - 71.83: Competent, light grey, AK-altered basalt. Bottom 2 meters are brecciated with fragments of milky QZ/AK veins. Contains 5 intact milky QZ veins at center of unit.

<<Min: 61.1 - 65.8 4% pyrite>>

<<Min: 65.8 - 68 1% pyrite>> fgr to mgr blebs and hedrons.

<<Min: 68 - 69.85 3% pyrite>> fgr to mgr blebs and hedrons.

<<Min: 69.85 - 71.83 2% pyrite>> fgr to mgr blebs and hedrons and as aggregates.

<<Vein: 61.34 - 61.46 Quartz 34 deg. >>

<<Vein: 61.64 - 61.75 Quartz 68 deg. >>

<<Vein: 63.43 - 63.6 Quartz 23 deg. >>

<<Vein: 65.13 - 65.4 Quartz>> Angle indeterminate.

<<Vein: 66 - 66.3 Quartz 30 deg. >>

**71.83 78.94 5Dc Sandstone black FMG**

71.83 - 78.94: Competent, massive black sandstone. Top 2 meters are clay altered in area of fault and contain disseminated PY.

<<Min: 71.83 - 72.85 1% pyrite>>

<<Alt: 71.83 - 72.85 moderate Clay>> Clay alteration, likely minor fault.

**End of Hole @ 78.94**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
58.80	59.80	1.00	G279859	1.25	2820	16	63	8
59.80	60.90	1.10	G279861	0.971	1665	19	93	6
60.90	61.80	0.90	G279862	1.44	1860	7	49	8
61.80	63.20	1.40	G279863	1.16	1250	8	49	4
63.20	63.70	0.50	G279864	1.47	2370	12	36	5
63.70	64.70	1.00	G279865	0.962	1110	9	35	2
64.70	65.70	1.00	G279866	0.311	347	8	23	-2
65.70	66.75	1.05	G279867	0.782	842	9	18	3
66.75	68.10	1.35	G279868	0.791	927	7	39	4
68.10	69.85	1.75	G279869	2.16	4720	9	47	7
69.85	71.83	1.98	G279871	1.235	1865	10	62	10
71.83	72.85	1.02	G279872	0.592	810	27	100	29
72.85	74.25	1.40	G279873	0.244	276	22	73	13
74.25	75.90	1.65	G279874	0.019	38	19	87	12
75.90	77.70	1.80	G279876	0.01	28	10	42	10
77.70	78.94	1.24	G279877	0.007	28	10	54	13

# Drill Log

**Project:** Cassiar **Hole Number:** TM12-06

Prospect:	Table Mtn	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	26/08/2012
UTM Easting:	460706.12	Core Size:	NQ	Azimuth:	0	Date Completed:	28/08/2012
UTM Northing:	6562856.09	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1386.449	Casing Depth (m):	3.05	Length (m):	170.38	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	25/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	27/08/2012
Local Elev. (m):							

**Comments:**

Proposed name PropTM-AD. Drilled to test down-dip extension of Sky Vein 80m below thrust. Hole collars in basalt, after which is sizable listwanite unit which is sheared throughout. Basalt follows which becomes strongly brecciated and faulted in lower half of unit, after which is a 14 meter milky QZ vein with minor PY and trace SP near lower contact. After this is brecciated basalt similar to that above the QZ vein, which transitions into sandstone with brecciated upper several meters and numerous QZ-AK stockwork veins and disseminated PY throughout.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
11.89	-43.4	338.3	23.37	1.67	ReflexEZS		25/08/2012	5786	<input checked="" type="checkbox"/>	
42.37	-43.1	339	23.37	2.37	ReflexEZS		26/08/2012	5737	<input checked="" type="checkbox"/>	
72.85	-43.7	339.1	23.37	2.47	ReflexEZS		26/08/2012	5730	<input checked="" type="checkbox"/>	
103.33	-44.7	339.1	23.37	2.47	ReflexEZS		26/08/2012	5742	<input checked="" type="checkbox"/>	
133.81	-44.7	339.3	23.37	2.67	ReflexEZS		27/08/2012	5729	<input checked="" type="checkbox"/>	
164.29	-44.5	338	23.37	1.37	ReflexEZS		27/08/2012	5733	<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>14.35</b>	<b>T8 Mafic Tuff</b>									
		<b>black FCG</b>	7.15	10.00	2.85	G279878	0.014	24	39	68	15
3.05 - 14.35: Competent, black, mafic tuff. Fine-grained mafic matrix with round phenos of QZ (up to 10%). Moderate, pervasive calcite alteration, and minor finely disseminated PY throughout. Upper 6m of core broken due to weathering.											
<<Min: 3.05 - 14.35 0.5% pyrite>>											
<<Alt: 3.05 - 14.35 moderate Calcite>>											
			10.00	11.89	1.89	G279879	-0.005	15	40	56	16
			11.89	13.41	1.52	G279881	-0.005	20	38	52	19
			13.41	14.40	0.99	G279882	-0.005	20	41	56	18

# Drill Log

Project:

Cassiar

Hole Number:

TM12-06

From (m) To (m) Rocktype & Description

**14.35 26.00 5DD Argillite black VFG**

14.35 - 26: Competent, black argillite. Finely laminated/foliated, with highly variable foliation folded on cm scale. QZ stringers and veins stretched parallel to foliation, showing shear texture in several areas. Minor PY present as stringers parallel to foliation and as isolated blebs. Bottom 5 meters of unit are fault zone, at center of which is fine-grained, compact and solid gouge. Core is variably broken, with a number of notable milky QZ veins centered on fault. Variable shearing throughout.

<<Min: 14.35 - 28 0.5% pyrite>> Stringers parallel to foliation and isolated blebs.

<<Vein: 18.46 - 18.54 Quartz 60 deg. >>

<<Vein: 18.7 - 18.8 Quartz-Ankerite 70 deg. >>

<<Vein: 19.05 - 19.26 Quartz-Ankerite>>

<<Vein: 24.65 - 25 Quartz 75 deg. >> Milky QZ vein with carbonaceous stylolites.

<<Vein: 25.28 - 25.43 Quartz 60 deg. >>

<<Vein: 25.62 - 26 Quartz 60 deg. >>

<<Struc: 15.3 - 15.31 Foliated 72 deg. >> Composite bedding and shear fabric.

<<Struc: 17 - 17.01 Foliated 25 deg. >> Composite bedding and shear fabric.

<<Struc: 18.1 - 18.81 Foliated 54 deg. >> Composite bedding and shear fabric.

<<Struc: 21.4 - 26 strong fault>> Fault zone in argillite which is center of zone of milky QZ veining. Lots of core loss. Center of fault is solid, finely grained gouge zone.

<<Struc: 24.08 - 27.3 moderate Sheared 70 deg. >>

**26.00 33.00 7 Listwanite grey-green FMG**

26 - 33: Competent, grey-green listwanite. Variably altered to talc and mariposite, with shearing throughout ranging from weak to moderate. Contains numerous milky QZ veins, generally towards center of unit. Minor to trace PY mineralization.

<<Min: 26 - 29.7 1% pyrite>> Isolated blebs and cgr hedrons.

<<Min: 29.7 - 32.44 0.5% pyrite>>

<<Min: 32.44 - 49.26 0.1% pyrite>>

<<Alt: 30.3 - 32.1 moderate Fuchsite/Mariposite >>

<<Alt: 32.1 - 49.26 moderate Fuchsite/Mariposite >>

**33.00 36.00 SHZN Shear Zone grey-green VFG**

33 - 36: Competent, light grey-green, moderately sheared area in listwanite.

<<Vein: 35.95 - 36.09 Quartz 30 deg. >>

<<Struc: 33 - 36 moderate Sheared 45 deg. >>

**36.00 41.30 7 Listwanite grey-green FMG**

36 - 41.3: Listwanite as described above.

<<Vein: 39.66 - 39.73 Quartz 40 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
14.40	16.00	1.60	G279883	0.023	46	74	113	9

16.00	17.54	1.54	G279884	0.084	86	92	349	17
17.54	18.46	0.92	G279885	0.04	88	74	138	16
18.46	19.50	1.04	G279886	0.005	31	3	39	4
19.50	21.03	1.53	G279887	0.037	91	111	119	8
21.03	24.00	2.97	G279888	0.042	85	84	112	21
24.00	26.00	2.00	G279889	0.027	121	8	77	12

26.00	27.89	1.89	G279891	0.012	789	14	41	12
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27.89	29.58	1.69	G279892	0.013	140	6	8	2
29.58	31.50	1.92	G279893	0.009	850	4	21	4
31.50	33.22	1.72	G279894	0.01	868	6	3	3

33.22	35.00	1.78	G279895	0.013	736	3	2	4
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35.00	36.27	1.27	G279896	0.011	1465	3	10	8
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36.27	38.05	1.78	G279897	0.011	1500	4	10	6
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38.05	40.00	1.95	G279898	0.019	1230	6	18	11
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# Drill Log

Project:

Cassiar

Hole Number:

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From (m) To (m) Rocktype & Description

<<Vein: 40.28 - 40.4 Quartz 40 deg. >>

<<Vein: 41.24 - 41.34 Quartz 30 deg. >>

<<Struc: 36 - 41.3 weak Sheared 50 deg. >>

**41.30 43.40 SHZN Shear Zone**

41.3 - 43.4: Competent, light grey-green, moderately sheared area in listwanite.

<<Vein: 41.57 - 41.63 Quartz 40 deg. >>

<<Vein: 42 - 42.06 Quartz 50 deg. >>

<<Struc: 41.3 - 43.4 moderate Sheared 48 deg. >>

**43.40 48.20 7 Listwanite**

43.4 - 48.2: Listwanite as described above.

<<Struc: 43.4 - 48.2 weak Sheared 42 deg. >>

**48.20 48.70 SHZN Shear Zone**

48.2 - 48.7: Competent, light grey-green, moderately sheared area in listwanite.

<<Struc: 48.2 - 48.7 moderate Sheared 56 deg. >>

**48.70 49.26 7 Listwanite**

48.7 - 49.26: Listwanite as described above.

<<Struc: 48.7 - 55 weak Sheared 52 deg. >>

**49.26 50.50 5B Chert**

49.26 - 50.5: Competent, medium grey chert. Variably fragmented and sheared, with milky QZ veins and patches. Several small pods of sheared basalt within. Minor PY. Two large milky QZ veins broken out as lithologies.

<<Min: 49.26 - 54.33 0.5% pyrite>>

**50.50 50.80 T5 Quartz Vein**

50.5 - 50.8: Milky QZ vein.

<<Vein: 50.5 - 50.8 Quartz 15 deg. >>

**50.80 54.00 5B Chert**

50.8 - 54: Chert as described above.

<<Vein: 52.4 - 52.5 Quartz 25 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
40.00	41.00	1.00	G279899	0.023	1020	5	76	21
41.00	42.10	1.10	G279901	0.017	1365	6	29	6
42.10	44.00	1.90	G279902	0.005	664	2	3	2
44.00	46.00	2.00	G279903	0.007	319	3	13	6
46.00	48.00	2.00	G279904	0.051	299	4	35	9
48.00	49.26	1.26	G279905	0.092	194	66	91	60
49.26	51.00	1.74	G279906	0.091	97	49	130	64
51.00	52.53	1.53	G279907	0.016	49	12	28	4
52.53	53.80	1.27	G279908	0.015	49	17	59	3
53.80	55.33	1.53	G279909	0.147	110	12	43	3

# Drill Log

Project:

Cassiar

Hole Number:

TM12-06

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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**54.00 54.33 T5 Quartz Vein white FCG**  
54 - 54.33: Milky QZ vein.

<<Vein: 54 - 54.33 Quartz 25 deg. >>

**54.33 68.63 T1 Basalt light grey FMG**  
54.33 - 68.63: Competent, light grey basalt. Variable AK/sericite alteration. Several small milky QZ veins and one pod of chert containing minor finely disseminated PY. One small 10 cm shear band contains abundant PY.

<<Min: 65.65 - 65.9 1% pyrite>>

<<Min: 68.2 - 68.3 8% pyrite>> Aggregates in small shear band.

<<Alt: 54.33 - 68.63 moderate Sericite-Ankerite>>

<<Vein: 62 - 62.1 Quartz 25 deg. >>

<<Vein: 63 - 63.2 Quartz 50 deg. >>

<<Vein: 65.65 - 65.9 Quartz 55 deg. >> Interlayered pod of chert, likely due to shearing. Contains 1% finely disseminated PY.

**68.63 72.06 5B Chert grey-green VFG**  
68.63 - 72.06: Competent, grey-green chert. Similar to above described chert, with weak shearing and a number of milky QZ veins and patches. Contains about 2% disseminated PY.

<<Min: 68.63 - 72.06 2% pyrite>> fgr to cgr blebs and hedrons.

<<Vein: 68.84 - 69.1 Quartz 18 deg. >>

<<Vein: 69.8 - 70 Quartz 35 deg. >>

<<Struc: 68.63 - 72.85 weak Sheared 38 deg. >>

**72.06 81.70 T1 Basalt light grey FMG**  
72.06 - 81.7: Competent, light grey basalt. Contains a few QZ-AK veins, one of which has a bleb of CP. Weakly faulted at lower contact.

<<Min: 75.49 - 75.5 0.1% chalcopryite>>

<<Vein: 74.45 - 74.55 Quartz-Ankerite 20 deg. >>

<<Vein: 78.8 - 79.7 Quartz-Ankerite 30 deg. >>

<<Vein: 81.65 - 81.7 Quartz-Ankerite 40 deg. >>

<<Struc: 79.45 - 79.7 weak fault 40 deg. >>

55.33	56.50	1.17	G279911	-0.005	34	48	61	3
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56.50	58.10	1.60	G279912	-0.005	27	63	66	2
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58.10	59.83	1.73	G279913	-0.005	46	54	64	-2
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59.83	61.60	1.77	G279914	-0.005	77	53	63	2
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61.60	62.80	1.20	G279915	0.008	103	47	61	3
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62.80	63.30	0.50	G279916	0.006	84	8	31	-2
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63.30	65.30	2.00	G279917	-0.005	26	51	56	-2
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65.30	66.75	1.45	G279918	0.012	32	62	58	3
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66.75	68.63	1.88	G279919	0.365	201	94	77	4
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68.63	69.80	1.17	G279921	0.134	177	34	25	2
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69.80	70.59	0.79	G279922	0.076	74	31	16	-2
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70.59	72.06	1.47	G279923	0.043	50	51	40	-2
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72.06	72.85	0.79	G279924	0.05	118	68	45	-2
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72.85	74.85	2.00	G279926	0.121	234	69	45	-2
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74.85	75.90	1.05	G279927	0.118	124	77	38	-2
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75.90	76.90	1.00	G279928	0.015	183	82	56	-2
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76.90	78.90	2.00	G279929	0.005	92	68	53	-2
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78.90	80.40	1.50	G279931	0.011	46	62	50	-2
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80.40	81.70	1.30	G279932	-0.005	20	54	59	-2
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# Drill Log

Project:

Cassiar

Hole Number:

TM12-06

From (m) To (m) Rocktype & Description

**81.70 83.20 7 Listwanite grey-green FMG**

81.7 - 83.2: Small patch of listwanite (or basalt with clots of mariposa). Weak fault at center, with about 2% PY throughout unit.

<<Min: 81.7 - 83.2 2% pyrite>> fgr to mgr blebs and hedrons.

<<Alt: 81.7 - 83.2 weak Fuchsite/Mariposite >>

<<Struc: 82.8 - 82.9 weak fault 50 deg. >>

**83.20 87.10 T1A Pillow Basalt green FG**

83.2 - 87.1: Competent, green, pillowed basalt. Weak, pervasive calcite alteration. Unmineralized.

<<Alt: 83.2 - 87.1 weak Calcite>>

<<Vein: 83.94 - 84.09 Quartz>>

**87.10 88.09 7 Listwanite grey-green FMG**

87.1 - 88.09: Small patch of listwanite (or basalt with mariposa) similar to one described above. Brecciated and faulted.

<<Alt: 87.1 - 88.09 weak Fuchsite/Mariposite >>

<<Struc: 87.1 - 88.09 moderate breccia>>

<<Struc: 87.85 - 88.09 moderate fault 45 deg. >>

**88.09 91.90 T1 Basalt grey-green FMG**

88.09 - 91.9: Broken, grey-green basalt. Primary equigranular texture visible, but broken and clay altered by nearby faulting. Unmineralized.

<<Alt: 88.09 - 91.9 weak Clay>>

**91.90 104.40 T1 Basalt medium grey FCG**

91.9 - 104.4: Brecciated and gouge-altered, faulted basalt. Breccia consists of basalt and milky QZ vein clasts in clay matrix. Contains variable amounts of disseminated PY.

<<Min: 92.3 - 94 5% pyrite>> fgr to mgr blebs and hedrons, as well as clots.

<<Min: 94 - 96.8 3% pyrite>>

<<Min: 96.8 - 100 3% pyrite>>

<<Min: 100 - 101.43 1% pyrite>>

<<Min: 101.43 - 104.4 8% pyrite>>

<<Vein: 96.3 - 96.5 Quartz>> Brecciated milky QZ vein.

<<Struc: 97.23 - 100 strong fault breccia>> Faulted and brecciated basalt unit.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
81.70	83.20	1.50	G279933	-0.005	126	63	47	-2
83.20	83.80	0.60	G279934	-0.005	24	68	49	-2
83.80	85.20	1.40	G279935	-0.005	20	51	44	-2
85.20	87.10	1.90	G279936	-0.005	7	68	58	-2
87.10	88.09	0.99	G279937	0.009	130	60	77	-2
88.09	90.00	1.91	G279938	0.005	271	41	57	-2
90.00	91.14	1.14	G279939	-0.005	131	56	61	-2
91.14	91.90	0.76	G279941	0.03	193	59	60	5
91.90	93.70	1.80	G279942	3.02	1300	61	349	247
93.70	94.50	0.80	G279943	3.39	1085	98	55	36
94.50	96.00	1.50	G279944	3	1085	70	205	50
96.00	96.60	0.60	G279945	1.3	701	47	263	46
96.60	97.23	0.63	G279946	0.911	575	56	57	16
97.23	98.00	0.77	G279947	1.225	1075	41	572	202
98.00	100.00	2.00	G279948	1.265	1240	45	318	89
100.00	101.43	1.43	G279949	1.12	1240	36	244	48
101.43	102.80	1.37	G279951	2.06	1770	127	256	134
102.80	103.90	1.10	G279952	1.32	1275	2060	461	52

# Drill Log

Project:

Cassiar

Hole Number:

TM12-06

From (m) To (m) Rocktype & Description

**104.40 116.10 T5 Quartz Vein white FCG**

104.4 - 116.1: Competent but fractured, with several rubble zones and breccia patches, milky QZ vein. Some areas of breccia display grey color which is stronger at margins which are brecciated, and sporadic carbonaceous stylolites are present throughout unit. PY is present as isolated blebs throughout vein in generally weak amounts, with trace sphalerite present in several stylolites with PY towards lower contact.

<<Min: 104.4 - 117.8 0.5% pyrite>>

<<Min: 115.9 - 116.3 0.1% sphalerite>> Present in carbonaceous stylolite with PY.

<<Vein: 104.4 - 118.1 Quartz>> Large milky QZ vein.

**116.10 125.25 T1 Basalt light grey FCG**

116.1 - 125.25: Basalt breccia consisting of clay matrix with large basalt clasts and milky QZ vein clasts. Strong disseminated PY.

<<Min: 117.8 - 117.9 0.1% sphalerite>> Present in carbonaceous stylolite with PY.

<<Min: 117.8 - 118.57 8% pyrite>> cm-sized aggregates in brecciated area.

<<Min: 118.57 - 121 10% pyrite>>

<<Min: 121 - 125.2 7% pyrite>>

<<Min: 125.2 - 126.6 4% pyrite>> fgr to mgr blebs and hedrons.

<<Struc: 116.1 - 125.25 strong breccia>>

<<Struc: 118.1 - 125.25 strong fault breccia>>

**125.25 170.38 5Dc Sandstone black FMG**

125.25 - 170.38: Competent, black sandstone. Dominantly massive although minor bedding is present in top 3m. Numerous QZ-AK stockwork veins, with patches of breccia and hydrothermal breccia throughout. Disseminated PY throughout, ranging from 1-4%.

<<Min: 126.6 - 135 3% pyrite>> fgr to mgr blebs and hedrons.

<<Min: 135 - 157.8 1% pyrite>>

<<Min: 157.8 - 158.4 4% pyrite>> Finely disseminated in fault.

<<Min: 158.4 - 170.38 1% pyrite>>

<<Vein: 142 - 142.16 Quartz 36 deg. >>

<<Vein: 144 - 144.07 Quartz 32 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
103.90	104.40	0.50	G279953	1.14	1140	50	51	20
104.40	105.80	1.40	G279954	0.362	355	15	47	28

105.80	107.00	1.20	G279955	0.028	30	2	28	7
107.00	109.00	2.00	G279956	0.212	168	6	24	8
109.00	110.12	1.12	G279957	0.028	32	2	8	3
110.12	112.47	2.35	G279958	0.054	78	4	41	4
112.47	114.00	1.53	G279959	0.023	29	2	15	2
114.00	115.00	1.00	G279961	0.042	44	5	45	11
115.00	115.80	0.80	G279962	0.064	76	7	126	31
115.80	116.48	0.68	G279963	0.062	60	2	179	23
116.48	117.50	1.02	G279964	0.036	39	1	51	16

117.50	118.10	0.60	G279965	0.492	351	7	384	83
118.10	119.50	1.40	G279966	1.575	2030	23	22	20
119.50	121.00	1.50	G279967	1.615	2310	22	108	9
121.00	122.00	1.00	G279968	0.973	1235	16	61	6
122.00	123.00	1.00	G279969	1.31	2080	40	62	9
123.00	124.00	1.00	G279971	0.756	1210	52	66	5
124.00	125.25	1.25	G279972	1.505	2080	11	25	7
125.25	126.60	1.35	G279973	0.271	213	28	29	9

126.60	128.00	1.40	G279974	0.066	91	97	54	9
128.00	130.00	2.00	G279976	0.04	59	47	23	5
130.00	132.00	2.00	G279977	0.024	49	53	27	5
132.00	133.81	1.81	G279978	0.036	63	88	42	6
133.81	135.00	1.19	G279979	0.126	150	100	21	6
135.00	135.80	0.80	G279981	0.095	91	102	38	9

# Drill Log

Project:

Cassiar

Hole Number:

TM12-06

From (m)      To (m)                      Rocktype & Description

<<Vein: 145.72 - 145.85 Quartz-Ankerite 35 deg. >>  
 <<Vein: 146.4 - 146.5 Quartz-Ankerite 28 deg. >>  
 <<Struc: 125.25 - 129.5 strong fault>>  
 <<Struc: 135 - 136.7 moderate fault>>  
 <<Struc: 153.7 - 154.6 moderate fault>>  
 <<Struc: 157.8 - 158.4 moderate fault>>  
 <<Struc: 161.24 - 166 moderate fault>>  
 <<Struc: 168.26 - 168.75 moderate fault>>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
135.80	137.67	1.87	G279982	0.099	90	6	14	7
137.67	139.50	1.83	G279983	0.055	57	5	5	9
139.50	141.10	1.60	G279984	0.08	64	10	4	4
141.10	142.95	1.85	G279985	0.048	50	8	3	4
142.95	144.50	1.55	G279986	0.031	41	9	3	4
144.50	146.00	1.50	G279987	0.027	43	4	5	5
146.00	148.00	2.00	G279988	0.059	57	7	4	5
148.00	150.00	2.00	G279989	0.056	53	9	17	11
150.00	152.00	2.00	G279991	0.075	70	9	16	11
152.00	153.00	1.00	G279992	0.029	40	15	135	53
153.00	155.00	2.00	G279993	0.054	46	4	54	15
155.00	156.00	1.00	G279994	0.04	41	3	9	6
156.00	157.80	1.80	G279995	0.049	57	2	41	14
157.80	158.40	0.60	G279996	0.258	179	3	39	18
158.40	160.00	1.60	G279997	0.071	61	5	17	12
160.00	161.24	1.24	G279998	0.043	55	10	45	8
161.24	164.29	3.05	G279999	0.051	57	7	12	10
164.29	166.00	1.71	G239251	0.057	61	8	92	22
166.00	167.76	1.76	G239252	0.035	54	11	16	9
167.76	169.00	1.24	G239253	0.069	73	8	132	33
169.00	170.38	1.38	G239254	0.043	55	6	41	21

**End of Hole @ 170.38**



# Drill Log

**Project:** Cassiar **Hole Number:** TM12-07

Prospect:	Table Mtn	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	29/08/2012
UTM Easting:	460800.78	Core Size:	NQ	Azimuth:	0	Date Completed:	01/09/2012
UTM Northing:	6562850.74	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1404.668	Casing Depth (m):	2.74	Length (m):	155.14	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	27/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	29/08/2012
Local Elev. (m):							

**Comments:**

Proposed name PropTM-Y. Begins in sheared sediments including argillite, sandstone, and chert down to about 58 meters. After this is a sheared and variably silicified listwanite to about 99 meters, which is followed by a small interval of pillowed basalt and then a large milky QZ vein from 109-124 meters. From 124 meters to end of hole is variably faulted and brecciated argillite with stockwork milky QZ veining which is largely broken up by faulting. PY mineralization is generally low, ranging from 0.5-1%. A single bleb of CP is present in a small QZ vein at approx. 103 meters, and a small bleb of TT is present in a small, faulted QZ-AK vein at about 106 meters.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
11.89	-44	334.6	23.37	357.97	ReflexEZS		27/08/2012	5775	<input checked="" type="checkbox"/>	
42.37	-45.9	333.59	23.37	356.96	ReflexEZS		28/08/2012	5735	<input checked="" type="checkbox"/>	
69.8	-46.6	333.7	23.37	357.07	ReflexEZS		28/08/2012	5739	<input checked="" type="checkbox"/>	
103.33	-48.4	333.3	23.37	356.67	ReflexEZS		28/08/2012	5735	<input checked="" type="checkbox"/>	
133.81	-48.7	332.7	23.37	356.07	ReflexEZS		28/08/2012	5738	<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>5.79</b>	<b>OVB Overburden</b>									
<b>5.79</b>	<b>35.87</b>	<b>5DD Argillite black FG</b>	11.50	12.80	1.30	G239255	0.014	21	63	134	5
5.79 - 35.87: Competent, black, finely laminated argillite. Laminations alternate between black and white, with lighter-colored beds appearing to be QZ veins which have been stretched parallel to foliation and boudined in some places, often containing disseminated PY. Lamination likely composite foliation, and well-developed lineation is present on the foliation plane, with weak to moderate shearing throughout unit. Foliation cross-cut by small veins of milky QZ and AK.											
<<Min: 5.79 - 35.87 0.1% pyrite>> Isolated blebs and fine disseminations in some beds.											
<<Alt: 33.8 - 34.1 moderate Clay>>											
<<Vein: 12.42 - 12.66 Quartz-Ankerite 12 deg. >>											
<<Struc: 10 - 10.01 Foliated 71 deg. >> Composite lamination and shear fabric.											
<<Struc: 13.3 - 13.31 Foliated 60 deg. >> Composite lamination and shear fabric.											
			20.20	22.16	1.96	G239256	0.011	22	38	161	6
			31.87	33.87	2.00	G239257	0.039	62	72	322	10
			33.87	35.87	2.00	G239258	0.065	58	67	342	12

# Drill Log

Project:

Cassiar

Hole Number:

TM12-07

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: 27.5 - 27.51 Foliated 55 deg. >>		Composite lamination and shear fabric.									
<<Struc: 33.8 - 34.1 weak fault 40 deg. >>											
<<Struc: 34.3 - 34.31 Foliated 46 deg. >>		Composite lamination and shear fabric.									
<b>35.87</b>	<b>42.40</b>	<b>SHZN Shear Zone</b>	<b>dark grey</b>			<b>FCG</b>					
35.87 - 42.4: Competent, dark grey, moderately sheared zone. Consists of foliated argillite with QZ veins stretched parallel to foliation. Veins commonly boudined and fragmented, with minor PY disseminated mainly near veins.											
<<Min: 35.87 - 42.4 0.5% pyrite>>		Disseminated in sheared milky QZ veins.									
<<Vein: 38.25 - 38.42 Quartz 40 deg. >>		Sheared milky QZ vein.									
<<Vein: 38.7 - 38.75 Quartz 55 deg. >>		Sheared milky QZ vein.									
<<Vein: 38.75 - 38.85 Quartz-Ankerite 40 deg. >>		Sheared milky QZ-AK vein.									
<<Vein: 39.05 - 39.27 Quartz>>		Angle indeterminate.									
<<Struc: 35.87 - 42.2 moderate Sheared>>		Moderate shear zone in argillite.									
<<Struc: 36.8 - 36.81 moderate Foliated 40 deg. >>		Shear fabric.									
<<Struc: 39.6 - 39.61 moderate Foliated 65 deg. >>		Shear fabric.									
<b>42.40</b>	<b>43.17</b>	<b>T5 Quartz Vein</b>	<b>white</b>			<b>FCG</b>					
42.4 - 43.17: Sheared milky QZ vein, in center of moderate shear zone.											
<<Vein: 42.4 - 43.17 Quartz>>		Sheared milky QZ vein.									
<<Struc: 42.47 - 42.48 Foliated 75 deg. >>		Shear fabric.									
<b>43.17</b>	<b>45.68</b>	<b>SHZN Shear Zone</b>	<b>dark grey</b>			<b>FCG</b>					
43.17 - 45.68: Same as shear zone described above. Faulted lower contact.											
<<Min: 43.17 - 45.68 0.5% pyrite>>		Isolated fgr to mgr blebs, typically near sheared QZ veins.									
<<Struc: 43.17 - 45.68 moderate Sheared>>		Moderate shear zone in argillite.									
<<Struc: 45.2 - 45.21 Foliated 50 deg. >>		Shear fabric.									
<<Struc: 45.42 - 45.56 moderate fault 42 deg. >>											
<b>45.68</b>	<b>47.70</b>	<b>5DD Argillite</b>	<b>black</b>			<b>FMG</b>					
45.68 - 47.7: Competent, black argillite. Less graphite and more clay than previous argillite units, with moderate sericite alteration and increased grain size. Laminations increased to bedding in size, with much weaker foliation than more graphitic argillite units. Also contains numerous small cavities of weathered carbonate material, with very weak, pervasive calcite alteration.											
<<Min: 45.68 - 47.7 0.5% pyrite>>											
<<Alt: 45.68 - 47.7 moderate White mica (Sericite)>>											
<<Alt: 45.68 - 47.7 weak Calcite>>											
<<Struc: 46 - 46.01 Foliated 42 deg. >>		Composite lamination and shear fabric.									

# Drill Log

Project:

Cassiar

Hole Number:

TM12-07

From (m) To (m) Rocktype & Description

**47.70 53.25 5B Chert dark grey FMG**

47.7 - 53.25: Competent, dark grey chert. Contains isolated blebs of PY in higher concentration than surrounding argillite units, as well as a number of minor milky QZ stringers and one extensional vein of milky QZ.

<<Min: 47.7 - 53.25 1% pyrite>> fgr to mgr blebs and hedrons.

<<Vein: 49 - 49.2 Quartz 15 deg. >> Single vuggy vein of milky QZ.

<<Vein: 51.91 - 52.01 Quartz 20 deg. >> Milky QZ vein.

<<Vein: 53.1 - 53.19 Quartz-Ankerite 25 deg. >>

**53.25 56.60 5DD Argillite black FMG**

53.25 - 56.6: Same black, muddy, sericite-altered argillite as above. A few small patches of weak shearing present, with several QZ±AK veins and silicified patches.

<<Min: 53.25 - 56.6 0.5% pyrite>>

**56.60 57.47 5Dc Sandstone beige FMG**

56.6 - 57.47: Competent, beige sandstone. Bedding and moderately sericite altered. Unveined and unmineralized.

<<Alt: 56.6 - 57.47 moderate White mica (Sericite)>>

<<Struc: 57 - 57.01 Bedded 35 deg. >> Bedding in sandstone.

**57.47 61.78 SHZN Shear Zone dark grey FCG**

57.47 - 61.78: Moderate shear zone as described above. Argillite with QZ veins parallel to foliation. Weak calcite alteration, with minor blebby PY.

<<Min: 57.47 - 61.78 0.5% pyrite>>

<<Alt: 57.47 - 61.78 weak Calcite>>

<<Vein: 61.05 - 61.35 Quartz 30 deg. >>

<<Struc: 57.47 - 61.78 moderate Sheared>> Moderate shear zone in argillite.

<<Struc: 59.8 - 59.81 Foliated 45 deg. >> Composite lamination and shear fabric.

**61.78 67.50 7 Listwanite green-brown FMG**

61.78 - 67.5: Competent, brown-green listwanite. Variably sheared, silicified, and mariposite-altered. Contains several milky QZ veins near upper contact parallel to foliation, with some milky QZ stringers cross-cutting shear fabric.

<<Min: 61.78 - 81.99 0.1% pyrite>>

<<Alt: 61.78 - 66.75 moderate Silicification >>

<<Alt: 61.78 - 66.75 moderate Fuchsite/Mariposite >>

<<Alt: 66.75 - 81.99 weak Silicification >>

<<Alt: 66.75 - 81.99 moderate Fuchsite/Mariposite >>

<<Vein: 63.7 - 63.95 Quartz 34 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
47.70	49.50	1.80	G239269	0.038	118	56	318	16

49.50	51.00	1.50	G239271	0.01	75	61	95	8
51.00	52.40	1.40	G239272	-0.005	79	2	167	9
52.40	53.25	0.85	G239273	-0.005	69	1	42	7

57.47	58.90	1.43	G239274	0.048	86	13	293	123
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58.90	60.66	1.76	G239276	0.041	104	14	182	108
60.66	61.78	1.12	G239277	0.024	134	10	99	20

61.78	63.52	1.74	G239278	0.017	1420	17	22	14
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63.52	65.40	1.88	G239279	-0.005	1155	13	14	9
65.40	66.75	1.35	G239281	-0.005	1080	10	12	5
66.75	68.70	1.95	G239282	-0.005	129	8	12	4

# Drill Log

Project:

Cassiar

Hole Number:

TM12-07

From (m) To (m) Rocktype & Description

<<Struc: 61.78 - 67.5 weak Sheared>> Weakly sheared listwanite.

<<Struc: 65.5 - 65.51 Foliated 43 deg. >> Shear fabric.

**67.50 69.80 SHZN Shear Zone**

67.5 - 69.8: Moderate shear zone in listwanite.

<<Struc: 67.5 - 69.8 moderate Sheared>> Moderate shear zone in listwanite.

<<Struc: 67.8 - 67.81 Foliated 36 deg. >> Shear fabric.

<<Struc: 68.4 - 68.41 Foliated 46 deg. >> Composite lamination and shear fabric.

**69.80 75.10 7 Listwanite**

**green-brown FMG**

69.8 - 75.1: Same listwanite as above.

<<Struc: 69.8 - 75.1 weak Sheared>> Weakly sheared listwanite.

<<Struc: 72.7 - 72.71 Foliated 50 deg. >> Shear fabric.

**75.10 76.90 SHZN Shear Zone**

75.1 - 76.9: Moderate shear zone in listwanite.

<<Struc: 75.1 - 76.9 moderate Sheared>> Moderate shear zone in listwanite.

**76.90 81.99 7 Listwanite**

**green-brown FMG**

76.9 - 81.99: Same listwanite as above. Bottom meter is talc altered and lower contact is faulted. Possibly small chert interlayered due to shearing from 79.32-79.73 meters, or possibly silicified zone.

<<Struc: 76.9 - 81.99 weak Sheared>> Weakly sheared listwanite.

<<Struc: 78.3 - 78.31 Foliated 48 deg. >> Shear fabric.

<<Struc: 81.83 - 81.99 weak fault 50 deg. >>

**81.99 96.20 T1A Pillow Basalt**

**green FMG**

81.99 - 96.2: Competent, green, pillowed basalt. Largely unmineralized but with a few undeformed QZ-AK veins, one of which contains a bleb of CP. Small interval of weak calcite alteration, with weak sericite-AK alteration appear towards bottom of unit.

<<Min: 94.25 - 94.26 0.5% chalcopryrite>> Single bleb in QZ-AK vein.

<<Alt: 87.32 - 91.14 weak Calcite>>

<<Alt: 95.1 - 98.8 weak Sericite-Ankerite>>

<<Vein: 86.01 - 86.1 Quartz-Ankerite 29 deg. >>

<<Vein: 87.1 - 87.2 Quartz-Ankerite 40 deg. >>

<<Vein: 88.92 - 88.99 Quartz-Ankerite 45 deg. >>

<<Vein: 94.22 - 94.32 Quartz 38 deg. >>

<<Vein: 95.3 - 95.4 Quartz-Ankerite 28 deg. >>

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
68.70	70.25	1.55	G239283	0.014	252	9	351	48
70.25	72.02	1.77	G239284	0.013	921	20	17	96
72.02	74.00	1.98	G239285	-0.005	663	5	13	32
74.00	75.90	1.90	G239286	-0.005	398	6	5	-2
75.90	77.75	1.85	G239287	-0.005	125	6	3	-2
77.75	79.20	1.45	G239288	-0.005	736	6	8	-2
79.20	80.50	1.30	G239289	0.005	1125	2	9	2
80.50	81.99	1.49	G239291	-0.005	521	5	39	-2
94.00	95.20	1.20	G239292	-0.005	69	70	67	-2
95.20	96.20	1.00	G239293	0.006	115	76	44	2

# Drill Log

Project:

Cassiar

Hole Number:

TM12-07

From (m) To (m) Rocktype & Description

**96.20 98.80 7 Listwanite grey-green FMG**

96.2 - 98.8: Competent, grey-green listwanite. Weak mariposite alteration, with minor PY in the form of shear bands.

<<Min: 97.5 - 98.8 0.5% pyrite>> Veins/bands of PY.

<<Alt: 96.2 - 98.8 weak Fuchsite/Mariposite >>

<<Vein: 98.63 - 98.73 Quartz-Pyrite 24 deg. >> QZ-PY shear band.

**98.80 108.55 T1 Basalt beige FMG**

98.8 - 108.55: Competent, beige basalt. Moderate sericite-AK alteration, with patches of moderate intensity milky QZ flooding. Variable, but mostly minor, PY mineralization. Some relict pillow texture in places, with numerous mgr-cgr AK hedrons(?) present throughout most of unit giving basalt an almost porphyritic texture.

<<Min: 98.8 - 101.3 0.5% pyrite>>

<<Min: 101.3 - 104 1% pyrite>> Present in PY±QZ shear bands.

<<Min: 103.03 - 103.04 0.5% chalcopyrite>> Bleb of CP in QZ-PY band.

<<Min: 106.24 - 106.25 0.5% tetrahedrite>> Single bleb in faulted QZ-PY vein.

<<Alt: 98.8 - 108.55 moderate Sericite-Ankerite>>

<<Alt: 98.8 - 108.55 moderate Silicification >> Moderate, patchy milky QZ flooding.

<<Alt: 106.38 - 108.55 moderate Silicification >>

<<Vein: 104.56 - 104.73 Quartz 30 deg. >>

<<Vein: 106.14 - 106.26 Quartz-Pyrite 15 deg. >> Faulted QZ-PY band with TT.

<<Struc: 106.14 - 106.26 weak fault 15 deg. >> Weak fault along QZ-PY vein/band.

**108.55 123.80 T5 Quartz Vein white FCG**

108.55 - 123.8: Competent, white to dark grey QZ vein. Contains a number of brecciated and silicified areas, dark grey colored areas possibly due to mixing with wall rock and/or carbon. Vein contains numerous carbonaceous stylolites, which typically contain PY as dark, vfrg aggregates. PY also present as isolated patches. Some areas contain clasts of green, altered wall rock up to 10 cm in length.

<<Min: 108.55 - 111.9 0.5% pyrite>>

<<Min: 111.9 - 113.15 1% pyrite>>

<<Min: 113.15 - 120 0.5% pyrite>>

<<Min: 120 - 123.8 1% pyrite>>

<<Vein: 108.55 - 123.8 Quartz>> Very large milky-dark grey QZ vein.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
96.20	97.70	1.50	G239294	0.008	336	88	52	-2
97.70	98.80	1.10	G239295	0.011	587	51	48	-2
98.80	100.28	1.48	G239296	0.007	96	94	65	2
100.28	102.20	1.92	G239297	0.26	234	110	38	5
102.20	103.33	1.13	G239298	0.504	168	109	45	4
103.33	105.30	1.97	G239299	0.486	229	127	46	4
105.30	106.38	1.08	G239301	0.641	174	222	233	51
106.38	107.60	1.22	G239302	0.97	143	92	99	10
107.60	108.55	0.95	G239303	1.535	174	65	66	5
108.55	109.61	1.06	G239304	0.279	100	6	32	14
109.61	111.00	1.39	G239305	0.016	6	1	3	-2
111.00	111.90	0.90	G239306	0.005	6	-1	-2	-2
111.90	113.15	1.25	G239307	0.362	286	13	253	35
113.15	114.20	1.05	G239308	0.093	103	2	6	2
114.20	115.33	1.13	G239309	0.14	174	1	2	9
115.33	116.40	1.07	G239311	0.108	120	2	45	11
116.40	117.50	1.10	G239312	0.055	75	-1	9	4
117.50	118.57	1.07	G239313	0.032	36	2	5	2
118.57	120.00	1.43	G239314	0.138	190	12	13	5
120.00	120.98	0.98	G239315	0.344	390	8	41	38

# Drill Log

Project:

Cassiar

Hole Number:

TM12-07

From (m) To (m) Rocktype & Description

**123.80 155.14 5DD Argillite black FCG**

123.8 - 155.14: Finely laminated, black argillite which ranges from competent over tens of cms to faulted and gouge-altered. Contains numerous milky QZ veins and stringers (stockwork zone) with highly variable PY throughout. Fine laminations alternate between black and white-grey, with lighter colored laminae likely QZ veins stretched parallel to fabric, which is composite bedding/shear foliation. Foliation highly variable due to minor, localized folding and brecciation/faulting. Several notable milky QZ-AK veins also cross-cut shear fabric.

<<Min: 123.8 - 127.71 0.5% pyrite>> Disseminated in brecciated/gouge-altered area.

<<Min: 130.6 - 133.81 1% pyrite>> Isolated blebs in shear bands.

<<Min: 136.86 - 145 0.5% pyrite>>

<<Min: 145 - 149.5 1% pyrite>> fgr to mgr blebs and hedrons.

<<Min: 149.5 - 155.14 0.1% pyrite>>

<<Vein: 126.8 - 127 Quartz 75 deg. >>

<<Vein: 129.09 - 129.21 Quartz-Ankerite 32 deg. >>

<<Vein: 131.59 - 131.9 Quartz-Ankerite 16 deg. >>

<<Vein: 137.19 - 137.45 Quartz-Ankerite 15 deg. >>

<<Struc: 123.8 - 127.71 moderate breccia>> Brecciated argillite.

<<Struc: 123.8 - 155.14 weak Sheared>> Weak shear zone in argillite.

<<Struc: 128.8 - 128.81 Foliated 42 deg. >> Composite bedding/shear fabric.

<<Struc: 132.8 - 132.81 Foliated 33 deg. >> Composite bedding/shear fabric.

<<Struc: 138.8 - 138.81 Foliated 56 deg. >> Composite bedding/shear fabric.

<<Struc: 145 - 145.01 Foliated 66 deg. >> Composite bedding/shear fabric.

<<Struc: 148.2 - 148.21 Foliated 38 deg. >> Composite bedding/shear fabric.

<<Struc: 151.1 - 151.6 moderate breccia>> Brecciated argillite.

<<Struc: 152.6 - 153 moderate breccia>> Brecciated argillite.

<<Struc: 154.8 - 154.81 Foliated 45 deg. >> Composite bedding/shear fabric.

**End of Hole @ 155.14**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
120.98	122.00	1.02	G239316	0.237	182	9	32	11
122.00	122.80	0.80	G239317	0.33	239	8	30	13
122.80	124.66	1.86	G239318	0.208	180	35	461	47
124.66	126.42	1.76	G239319	0.122	141	68	178	11

126.42	127.71	1.29	G239321	0.056	58	30	197	6
127.71	129.50	1.79	G239322	0.052	32	39	167	7
129.50	131.20	1.70	G239323	0.041	26	41	196	6
131.20	133.00	1.80	G239324	0.06	28	53	184	9
133.00	134.90	1.90	G239326	0.106	55	76	415	15
134.90	136.86	1.96	G239327	0.057	23	50	119	6
136.86	138.50	1.64	G239328	0.052	33	63	141	10
138.50	140.30	1.80	G239329	0.05	25	45	97	7
140.30	142.30	2.00	G239331	0.037	27	45	89	5
142.30	144.20	1.90	G239332	0.065	41	71	132	7
144.20	146.10	1.90	G239333	0.083	41	67	141	9
146.10	148.10	2.00	G239334	0.134	85	42	164	17
148.10	150.00	1.90	G239335	0.106	81	66	182	13
150.00	152.00	2.00	G239336	0.009	39	43	143	2
152.00	153.20	1.20	G239337	0.053	60	66	139	8
153.20	155.14	1.94	G239338	0.024	22	31	110	4

# Drill Log

**Project:** Cassiar **Hole Number:** TM12-08

Prospect:	Table Mtn	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	01/09/2012
UTM Easting:	460704.78	Core Size:	NQ	Azimuth:	0	Date Completed:	03/09/2012
UTM Northing:	6562891.75	Casing Pulled?:	<input type="checkbox"/>	Dip:	-47	Drill Company:	Apex
UTM Elev. (m):	1387.31	Casing Depth (m):	7.62	Length (m):	114.91	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	28/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	31/08/2012
Local Elev. (m):							

**Comments:**

Proposed name PropTM-U. Drilled to follow up on voluminous QZ veining identified in TM12-06 and -07. Hole drilled through typical sequence of weakly sheared argillite (in this case containing several notable milky QZ veins) on top of a sizable and variably sheared listwanite unit. Below this is basalt with a weak sericite-AK alteration, followed by a brecciated argillite with stockwork milky QZ veining and then a 23 meter milky QZ with very minor PY. The hole ends in brecciated argillite with more broken stockwork milky QZ veining.

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
11.89	-47.1	338.9	23.37	2.27	ReflexEZS		28/08/2012	5739	<input checked="" type="checkbox"/>	
42.37	-48	338.7	23.37	2.07	ReflexEZS		30/08/2012	5735	<input checked="" type="checkbox"/>	
100.28	-47.8	338	23.37	1.37	ReflexEZS		31/08/2012	5736	<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>7.62</b>	<b>OVB Overburden</b>									
<b>7.62</b>	<b>8.60</b>	<b>T5 Quartz Vein</b>	<b>white</b>	<b>FCG</b>	0.98	G239339	-0.005	2	2	5	8
7.62 - 8.6: Competent, sheared milky QZ vein with carbonaceous stylolites and patches of AK.											
<<Vein: 7.62 - 8.6 Quartz-Ankerite>>											
<b>8.60</b>	<b>16.30</b>	<b>5DD Argillite</b>	<b>black</b>	<b>FG</b>	2.00	G239341	0.071	95	90	140	13
8.6 - 16.3: Competent, but highly fractured, black argillite. Finely laminated/foliated and weakly sheared throughout, with weathered out calcite nodules. Lower contact of larger argillite unit contains several large QZ-AK veins so unit is broken up into several smaller units. Minor PY, typically as isolated blebs.											
<<Min: 8.6 - 16.3 0.4% pyrite>>											
<<Vein: 15.24 - 15.45 Quartz-Ankerite 80 deg. >> Sheared milky QZ-AK vein.											
<<Vein: 15.55 - 15.7 Quartz-Ankerite 80 deg. >> Sheared milky QZ-AK vein.											
<<Struc: 8.6 - 16.3 weak Sheared>> Weak shearing in argillite.											
<<Struc: 9 - 9.01 Foliated 58 deg. >> Composite bedding/shear fabric.											
					1.83	G239342	0.043	52	54	130	19
					1.57	G239343	0.043	68	43	153	18
					0.94	G239344	0.044	116	72	99	13
					1.36	G239345	0.022	165	18	134	3

# Drill Log

Project:

Cassiar

Hole Number:

TM12-08

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: 12.7 - 12.9 weak fault 68 deg. >> <<Struc: 16 - 16.01 Foliated 62 deg. >> Composite bedding/shear fabric.											
<b>16.30</b>	<b>17.23</b>	<b>T5 Quartz Vein</b>	<b>white</b>	<b>FCG</b>							
16.3	17.23	Competent milky QZ vein with carbonaceous stylolites and patches of AK, as above.			0.93	G239346	0.011	16	2	6	-2
<<Vein: 16.3 - 17.23 Quartz-Ankerite 80 deg. >> Sheared milky QZ-AK vein.											
<b>17.23</b>	<b>17.57</b>	<b>5DD Argillite</b>	<b>black</b>	<b>FG</b>							
17.23	17.57	Competent, finely laminated/foliated black argillite. Same as described above.			0.44	G239347	0.02	436	8	145	12
<b>17.57</b>	<b>19.70</b>	<b>7 Listwanite</b>	<b>green-brown</b>	<b>FMG</b>							
17.57	19.7	Competent, brown-green listwanite. Variably sheared from weak to moderate, with moderate, patchy mariposite alteration throughout. Also patchily silicified, typically in areas of QZ veining, which is likely due to QZ veining which have been stretched parallel to foliation. Very minor PY throughout, with a number of extensional QZ veins which cross-cut shear fabric.			1.43	G239348	0.006	930	12	42	18
<<Min: 17.67 - 38 0.1% pyrite>> <<Alt: 17.67 - 38 moderate Silicification >> Patchy silicification, likely due to shearing of QZ veins. <<Alt: 17.67 - 38 moderate Fuchsite/Mariposite >> <<Struc: 17.67 - 19.7 weak Sheared>> Weak shear zone in listwanite.											
<b>19.70</b>	<b>20.30</b>	<b>SHZN Shear Zone</b>	<b>green-brown</b>	<b>FG</b>							
19.7	20.3	Moderate shear zone in listwanite.			1.93	G239349	0.027	1475	9	25	13
<<Struc: 19.7 - 20.3 moderate Sheared>> Moderate shear zone in listwanite.											
<b>20.30</b>	<b>29.70</b>	<b>7 Listwanite</b>	<b>green-brown</b>	<b>FMG</b>							
20.3	29.7	Listwanite as described above.			1.97	G239351	0.015	1735	9	23	7
<<Vein: 21.44 - 21.56 Quartz>> <<Vein: 21.7 - 21.8 Quartz>> <<Vein: 27.55 - 27.68 Quartz 20 deg. >> <<Struc: 20.3 - 29.7 weak Sheared>> Weak shear zone in listwanite. <<Struc: 21.5 - 21.51 Foliated 51 deg. >> Shear fabric. <<Struc: 25 - 25.01 Foliated 48 deg. >> Shear fabric.											
<b>29.70</b>	<b>30.50</b>	<b>SHZN Shear Zone</b>	<b>green-brown</b>	<b>FG</b>							
29.7	30.5	Moderate shear zone in listwanite.			2.00	G239352	0.031	1410	6	11	6
<<Struc: 29.7 - 29.71 Foliated 36 deg. >> Shear fabric. <<Struc: 29.7 - 30.5 moderate Sheared>> Moderate shear zone in listwanite.											
					2.00	G239353	0.009	331	4	9	2
					2.00	G239354	0.017	1830	5	12	3
					2.00	G239355	0.006	1070	4	8	4



# Drill Log

Project:

Cassiar

Hole Number:

TM12-08

From (m) To (m) Rocktype & Description

**30.50 38.00 7 Listwanite**

**green-brown FMG**

30.5 - 38: Listwanite as described above.

<<Vein: 33.45 - 33.63 Quartz 31 deg. >>

<<Vein: 34.83 - 34.97 Quartz 18 deg. >>

<<Vein: 36.43 - 36.5 Quartz-Ankerite 40 deg. >>

<<Struc: 35 - 35.01 Foliated 51 deg. >> Shear fabric.

**38.00 41.80 T1 Basalt**

**grey-green FMG**

38 - 41.8: Competent, green-grey basalt. Massive texture, with fgr ground mass and mgr plagioclase laths. Weak, pervasive sericite alteration.

<<Min: 38 - 41.8 0.1% pyrite>>

<<Alt: 38 - 41.8 weak White mica (Sericite)>>

<<Struc: 38 - 39 strong fault 38 deg. >>

**41.80 53.30 T1A Pillow Basalt**

**green FG**

41.8 - 53.3: Competent, green, pillowed basalt. Weak sericite-AK alteration as selvages along QZ vein margins. One QZ vein has single bleb of CP in shear band near sheared QZ vein.

<<Min: 41.8 - 53.3 0.1% pyrite>> Blebs in localized shear bands.

<<Min: 44.23 - 44.24 0.5% chalcopyrite>>

<<Alt: 41.8 - 53.3 weak Sericite-Ankerite>>

<<Vein: 44.2 - 44.27 Quartz-Pyrite 45 deg. >> QZ-PY in shear band with bleb of CP.

<<Vein: 45 - 45.3 Quartz 45 deg. >>

<<Vein: 45.42 - 45.62 Quartz 42 deg. >> Extensional milky QZ vein.

<<Vein: 45.8 - 45.9 Quartz 60 deg. >> Sheared, greyish QZ vein.

<<Vein: 46.85 - 47 Quartz 21 deg. >> Extensional milky QZ vein.

<<Struc: 45.8 - 46 weak Sheared>>

**53.30 59.46 5DD Argillite**

**black FCG**

53.3 - 59.46: Brecciated, and clay and gouge altered, black argillite. Typical finely laminated/foliated argillite except very broken up. Contains stockwork milky QZ veining which is also broken by faulting. Contains about 1% finely disseminated PY. Larger argillite unit contains two large milky QZ-AK veins, which are broken out as separate lithologies.

<<Min: 54.34 - 59 1% pyrite>> Finely disseminated in faulted area.

<<Vein: 54.45 - 60.3 Quartz-Ankerite>> Broken and faulted stockwork milky QZ-AK vein.

<<Struc: 53.3 - 59.46 strong breccia>> Brecciation of argillite and stockwork milky QZ veins.

<<Struc: 54.34 - 59 strong fault>> Strongly faulted area in argillite with a lot of core loss. What core is present is mostly rubble and gouge.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
31.00	33.00	2.00	G239356	0.017	1285	5	22	4
33.00	34.66	1.66	G239357	0.009	1800	4	13	5
34.66	36.27	1.61	G239358	0.007	1920	6	7	6
36.27	37.00	0.73	G239359	0.01	1575	6	12	3
37.00	38.00	1.00	G239361	0.008	1190	7	128	46
38.00	40.00	2.00	G239362	0.039	96	108	230	64
40.00	41.80	1.80	G239363	0.007	24	84	72	2
41.80	43.50	1.70	G239364	-0.005	9	74	59	2
43.50	45.00	1.50	G239365	0.007	29	41	61	2
45.00	46.24	1.24	G239366	0.032	67	81	43	-2
46.24	48.00	1.76	G239367	0.016	81	80	75	4
48.00	49.51	1.51	G239368	-0.005	27	65	69	-2
49.51	51.51	2.00	G239369	-0.005	12	63	69	-2
51.51	53.30	1.79	G239371	0.018	109	56	77	5
53.30	54.56	1.26	G239372	0.088	52	73	92	4
54.56	59.46	4.90	G239373	0.038	28	58	61	3

# Drill Log

Project:

Cassiar

Hole Number:

TM12-08

From (m) To (m) Rocktype & Description

**59.46 60.30 T5 Quartz Vein**  
59.46 - 60.3: Broken and faulted milky QZ-AK vein with carbonaceous stylolites.

**white FCG**

**60.30 61.00 5DD Argillite**  
60.3 - 61: Argillite as described above.

**black FCG**

**61.00 61.50 T5 Quartz Vein**  
61 - 61.5: Broken and faulted milky QZ-AK vein with carbonaceous stylolites.

**white FCG**

<<Vein: 61 - 61.5 Quartz-Ankerite>> Broken and faulted stockwork milky QZ-AK vein.

**61.50 72.00 5DD Argillite**  
61.5 - 72: Argillite as described above. One strongly faulted area has a lot of core loss.

**black FCG**

<<Min: 66.75 - 69.8 1% pyrite>>

**72.00 94.70 T5 Quartz Vein**  
72 - 94.7: Competent, but fractured and faulted, large milky QZ vein with carbonaceous stylolites. A few dark grey patches, typically in areas of brecciation, and several large wall rock clasts present in vein. Margins are dark grey and brecciated, and PY is present in stylolites in minor amounts. CP also present in one bleb.

**white FCG**

<<Min: 72 - 86 0.5% pyrite>>

<<Min: 76 - 76.01 0.1% chalcopyrite>>

<<Min: 86 - 91.1 1% pyrite>>

<<Min: 91.1 - 94.7 0.5% pyrite>>

<<Vein: 72 - 86 Quartz-Ankerite>> Large milky 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-
59.46	60.30	0.84	G239374	0.024	30	14	40	3
60.30	61.00	0.70	G239376	0.068	64	25	117	8
61.00	63.00	2.00	G239377	0.047	41	25	479	5
63.00	65.00	2.00	G239378	0.146	121	81	528	18
65.00	67.00	2.00	G239379	0.094	73	61	118	15
67.00	70.00	3.00	G239381	0.216	145	105	62	10
70.00	72.00	2.00	G239382	0.191	169	85	34	9
72.00	73.00	1.00	G239383	0.154	129	4	37	8
73.00	74.00	1.00	G239384	0.023	18	3	28	4
74.00	75.90	1.90	G239385	0.036	7	12	12	6
75.90	76.90	1.00	G239386	0.033	8	39	12	2
76.90	78.90	2.00	G239387	0.078	272	9	15	8
78.90	81.99	3.09	G239388	0.07	36	5	10	-2
81.99	84.00	2.01	G239389	0.086	69	1	9	-2
84.00	85.04	1.04	G239391	0.03	38	6	6	-2
85.04	87.00	1.96	G239392	0.09	60	1	5	-2
87.00	88.09	1.09	G239393	0.374	330	5	12	3
88.09	89.00	0.91	G239394	0.18	160	2	11	2
89.00	90.00	1.00	G239395	0.346	322	2	22	6
90.00	91.14	1.14	G239396	0.246	224	3	20	4
91.14	92.00	0.86	G239397	0.048	50	1	6	3
92.00	93.00	1.00	G239398	0.125	108	1	15	3
93.00	94.00	1.00	G239399	0.09	85	1	16	7
94.00	94.70	0.70	G239401	0.094	94	2	21	7

# Drill Log

Project:

Cassiar

Hole Number:

TM12-08

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>94.70</b>	<b>99.00</b>	<b>FBX Fault breccia</b>	<b>dark grey</b>	<b>FCG</b>	94.70	97.00	2.30	G239402	0.158	118	28	185	63
94.7 - 99: Area of brecciation including argillite, milky QZ vein fragments, and basalt fragments.													
<<Min: 94.7 - 97.5 1% pyrite>>													
<<Min: 97.5 - 100 3% pyrite>>													
<<Struc: 94.7 - 99 strong breccia>> Area of brecciation in argillite.													
<b>99.00</b>	<b>100.70</b>	<b>T5 Quartz Vein</b>	<b>white</b>	<b>FCG</b>	99.00	100.70	1.70	G239405	0.257	240	7	12	5
99 - 100.7: Brecciated milky QZ vein with fragments of basalt and argillite.													
<<Min: 100 - 102 0.5% pyrite>>													
<b>100.70</b>	<b>102.90</b>	<b>FBX Fault breccia</b>	<b>dark grey</b>	<b>FCG</b>	100.70	101.50	0.80	G239406	0.155	129	1	10	3
100.7 - 102.9: Area of brecciation including argillite, milky QZ vein fragments, and basalt fragments.													
<<Min: 102 - 108 1% pyrite>>													
<<Struc: 100.7 - 102.9 strong breccia>> Area of strong brecciation in argillite.													
<b>102.90</b>	<b>114.91</b>	<b>5DD Argillite</b>	<b>black</b>	<b>FCG</b>	102.90	103.33	0.43	G239408	0.182	178	27	147	70
102.9 - 114.91: Brecciated black argillite, with argillite and milky QZ vein fragments in matrix of gouge-altered argillite.													
<<Struc: 102.9 - 114.91 strong fault>> Strongly faulted argillite.													
					103.33	106.38	3.05	G239409	0.101	85	10	454	37
					106.38	108.00	1.62	G239411	0.128	114	79	189	40
					108.00	109.00	1.00	G239412	0.086	62	47	201	9
					109.00	111.00	2.00	G239413	0.114	96	31	127	10
					111.00	112.47	1.47	G239414	0.082	46	8	22	6
					112.47	114.81	2.34	G239415	0.128	70	24	161	38
<b>End of Hole @ 114.91</b>													

# Drill Log

**Project:** Cassiar **Hole Number:** TM12-09

Prospect:	Table Mtn	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	04/09/2012
UTM Easting:	460852.88	Core Size:	NQ	Azimuth:	0	Date Completed:	05/09/2012
UTM Northing:	6562838.94	Casing Pulled?:	<input type="checkbox"/>	Dip:	-45	Drill Company:	Apex
UTM Elev. (m):	1410.752	Casing Depth (m):	6.1	Length (m):	167.34	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	31/08/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	01/09/2012
Local Elev. (m):							
Comments:							
Proposed name	PropTM-AK.						

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
11.89	-44.6	338.2	23.37	1.57	ReflexEZS		31/08/2012	5772	<input checked="" type="checkbox"/>	
54.86	-47.6	338.8	23.37	2.17	ReflexEZS		31/08/2012	5719	<input checked="" type="checkbox"/>	
103.33	-48.3	339.5	23.37	2.87	ReflexEZS		02/09/2012	5735	<input checked="" type="checkbox"/>	
133.81	-49.1	341	23.37	4.37	ReflexEZS		02/09/2012	5738	<input checked="" type="checkbox"/>	
155.14	-49.7	341.6	23.37	4.97	ReflexEZS		01/08/2012	5748	<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>41.60</b>	<b>5DD Argillite black FG</b>	6.10	8.10	2.00	G239416	0.007	7	45	129	4
<p>6.1 - 41.6: Competent, black, finely laminated/foliated argillite. Variably sheared throughout, with stockwork QZ-AK veins both cross-cutting foliation and stretched parallel to foliation in areas of greater shear. Foliation is itself micro-folded in many areas. PY is present in minor amounts, generally as small, dark blebs which are stretched along the foliation. One QZ-AK vein towards top of unit contains SP and TT. Larger argillite unit is divided up into smaller following units, due to present of large QZ-AK veins and moderately sheared areas which are broken out as separate lithology.</p> <p>&lt;&lt;Min: 6.1 - 14.5 0.5% pyrite&gt;&gt; Dark blebs parallel to foliation.</p> <p>&lt;&lt;Min: 14.5 - 17.9 0.1% pyrite&gt;&gt;</p> <p>&lt;&lt;Min: 15.84 - 15.9 2% tetrahedrite&gt;&gt;</p> <p>&lt;&lt;Min: 15.84 - 15.9 2% sphalerite&gt;&gt;</p> <p>&lt;&lt;Min: 17.9 - 48.9 0.5% pyrite&gt;&gt; Dark blebs parallel to foliation.</p> <p>&lt;&lt;Vein: 15.84 - 15.9 Quartz-Carbonate 31 deg. &gt;&gt; QZ-CA vein with TT and SP.</p> <p>&lt;&lt;Vein: 19.86 - 19.95 Quartz-Ankerite 29 deg. &gt;&gt;</p>											
			14.50	15.50	1.00	G239417	0.013	44	36	208	61
			15.50	16.00	0.50	G239418	0.037	44	57	905	210
			16.00	18.00	2.00	G239419	0.011	52	52	985	105
			18.00	20.00	2.00	G239421	0.025	15	62	122	10
			23.35	24.35	1.00	G239422	0.008	3	23	67	6
			24.35	26.35	2.00	G239423	0.015	13	64	144	6
			26.35	28.35	2.00	G239424	0.017	20	60	109	5

# Drill Log

Project:

Cassiar

Hole Number:

TM12-09

From (m)	To (m)	Rocktype & Description
<<Vein: 23.64 - 23.79	Quartz 35 deg. >>	Larger milky QZ vein with QZ stringers disseminated into argillite on both sides.
<<Vein: 32.19 - 32.35	Quartz-Ankerite>>	
<<Vein: 34.17 - 34.29	Quartz-Ankerite 19 deg. >>	
<<Struc: 6.1 - 51.2	weak Sheared>>	
<<Struc: 11.89 - 12	weak fault 22 deg. >>	
<<Struc: 12 - 12.01	Foliated 45 deg. >>	Composite bedding/shear fabric.
<<Struc: 15 - 15.01	Foliated 56 deg. >>	Composite bedding/shear fabric.
<<Struc: 17.4 - 17.85	moderate fault>>	
<<Struc: 20 - 20.01	Foliated 65 deg. >>	Composite bedding/shear fabric.
<<Struc: 26.5 - 26.51	Foliated 61 deg. >>	Composite bedding/shear fabric.
<<Struc: 30.5 - 30.51	Foliated 90 deg. >>	Composite bedding/shear fabric.
<<Struc: 34.5 - 34.51	Foliated 70 deg. >>	Composite bedding/shear fabric.
<<Struc: 40 - 40.01	Foliated 75 deg. >>	Composite bedding/shear fabric.

**41.60 42.25 T5 Quartz Vein**

**white**

**FCG**

41.6 - 42.25: Broken, milky QZ vein.

<<Vein: 41.6 - 42.25 Quartz 10 deg. >>

**42.25 51.20 5DD Argillite**

**black**

**FG**

42.25 - 51.2: Argillite as above.

<<Min: 48.9 - 55.27 1% pyrite>> As blebs in foliation and as bands parallel to foliation.

<<Struc: 45.4 - 45.41 Foliated 65 deg. >> Composite bedding/shear fabric.

**51.20 55.27 SHZN Shear Zone**

**dark grey**

**FG**

51.2 - 55.27: Competent, dark grey, moderately sheared argillite. Stockwork QZ veins stretched parallel to foliation instead of cross-cutting.

<<Vein: 51.42 - 51.46 Quartz-Ankerite 60 deg. >>

<<Vein: 53.86 - 53.9 Quartz-Ankerite 48 deg. >>

<<Struc: 51.2 - 63.7 moderate Sheared>>

<<Struc: 51.5 - 51.51 Foliated 60 deg. >> Composite bedding/shear fabric.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
28.35	30.35	2.00	G239426	0.015	21	43	120	10
30.35	32.35	2.00	G239427	0.019	32	81	158	9
32.35	34.35	2.00	G239428	0.006	20	57	105	7
34.35	36.27	1.92	G239429	0.009	18	55	104	5
36.27	38.19	1.92	G239431	0.01	14	33	171	10
38.19	39.60	1.41	G239432	0.01	32	43	360	9
39.60	41.60	2.00	G239433	0.015	36	59	410	12
41.60	42.30	0.70	G239434	-0.005	3	76	106	-2
42.30	43.80	1.50	G239435	0.014	48	68	520	8
43.80	45.00	1.20	G239436	0.021	51	84	265	15
45.00	46.00	1.00	G239437	0.018	19	60	90	6
46.00	47.80	1.80	G239438	0.014	28	67	118	6
47.80	49.25	1.45	G239439	0.009	29	53	180	7
49.25	51.20	1.95	G239441	0.008	43	55	239	4
51.20	53.00	1.80	G239442	0.016	42	117	274	20
53.00	54.00	1.00	G239443	0.015	56	89	274	22
54.00	55.27	1.27	G239444	0.007	50	58	124	18

# Drill Log

Project:

Cassiar

Hole Number:

TM12-09

From (m) To (m) Rocktype & Description

**55.27 56.00 T5 Quartz Vein white FCG**

55.27 - 56: Competent, milky QZ vein at contact between argillite and chert. Contains single bleb of CP near lower contact.

<<Min: 55.85 - 55.87 0.5% sphalerite>> Near lower contact in milky QZ vein.  
 <<Min: 55.85 - 55.87 0.5% chalcopryite>> Single bleb in milky QZ vein.  
 <<Vein: 55.27 - 56 Quartz 36 deg. >> Large milky QZ vein with a bleb of CP and some SP near lower contact.

**56.00 57.20 5B Chert medium grey VFG**

56 - 57.2: Competent, medium grey, moderately sheared chert. Contains PY as blebs, typically disseminated outwards from sheared QZ veins.

<<Min: 56 - 63.7 2% pyrite>> fgr to mgr blebs and hedrons.  
 <<Struc: 57 - 57.01 Foliated 40 deg. >> Composite bedding/shear fabric.

**57.20 60.17 5DD Argillite black VFG**

57.2 - 60.17: Competent, black, moderately sheared argillite.

**60.17 63.70 5B Chert medium grey VFG**

60.17 - 63.7: Competent, medium grey, moderately sheared chert. Contains PY typically disseminated outwards from sheared QZ veins.

<<Struc: 62 - 62.01 Foliated 38 deg. >> Composite bedding/shear fabric.

**63.70 75.42 5DD Argillite black FMG**

63.7 - 75.42: Competent, black, muddy argillite. Finely laminated/foliated, with minor PY as blebs parallel to foliation.

<<Min: 73 - 75.42 1% pyrite>>  
 <<Struc: 66.5 - 66.51 Foliated 45 deg. >> Composite bedding/shear fabric.  
 <<Struc: 70 - 70.01 Foliated 43 deg. >> Composite bedding/shear fabric.  
 <<Struc: 74 - 74.01 Foliated 38 deg. >> Composite bedding/shear fabric.

**75.42 97.23 7 Listwanite green-brown FMG**

75.42 - 97.23: Competent, green-brown, variably sheared and silicified listwanite. Mariposite alteration in moderate to strong patches. Patchy silicification, mainly due to shearing of QZ veins. Several larger, vuggy QZ veins present with PY as stringers and coating insides of cavities with QZ. One vuggy QZ vein contains blebby SP in addition to PY.

<<Min: 75.42 - 93.18 0.1% pyrite>>  
 <<Min: 93.18 - 97.23 0.5% pyrite>> Mainly as blebs and stringers in vuggy QZ veins.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
55.27	56.00	0.73	G239445	-0.005	3	13	10	-2
56.00	57.20	1.20	G239446	-0.005	34	70	93	8
57.20	58.50	1.30	G239447	0.027	55	60	136	38
58.50	60.17	1.67	G239448	0.014	47	55	131	29
60.17	61.30	1.13	G239449	-0.005	28	62	76	13
61.30	62.70	1.40	G239451	-0.005	28	58	56	17
62.70	63.70	1.00	G239452	0.005	23	38	82	10
63.70	65.40	1.70	G239453	0.008	35	37	341	11
65.40	67.00	1.60	G239454	0.007	32	31	311	10
67.00	69.00	2.00	G239455	0.012	33	45	329	11
69.00	70.71	1.71	G239456	0.016	30	33	323	11
70.71	72.71	2.00	G239457	0.022	31	38	350	10
72.71	74.00	1.29	G239458	0.018	43	51	416	9
74.00	75.42	1.42	G239459	0.027	44	43	270	8
75.42	77.00	1.58	G239461	0.023	287	17	25	4
77.00	79.00	2.00	G239462	0.008	281	3	7	2
79.00	81.00	2.00	G239463	-0.005	460	8	9	-2

# Drill Log

Project:

Cassiar

Hole Number:

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From (m) To (m) Rocktype & Description

<<Alt: 75.42 - 89 moderate Fuchsite/Mariposite >>  
 <<Alt: 89 - 97.23 strong Fuchsite/Mariposite >>  
 <<Vein: 86.63 - 86.74 Quartz-Ankerite 32 deg. >>  
 <<Vein: 87.16 - 87.4 Quartz-Ankerite 25 deg. >>  
 <<Vein: 91.39 - 91.47 Quartz 40 deg. >>  
 <<Vein: 94.3 - 94.57 Quartz 31 deg. >>  
 <<Struc: 79.9 - 79.91 Foliated 44 deg. >> Composite bedding/shear fabric.  
 <<Struc: 84.5 - 84.51 Foliated 38 deg. >> Composite bedding/shear fabric.

**97.23 99.00 5Dc Sandstone light grey FMG**

97.23 - 99: Competent, light grey, sandstone. Weakly sericite altered and weakly sheared.

<<Alt: 97.23 - 99 weak White mica (Sericite)>>

**99.00 103.47 7 Listwanite green-brown FMG**

99 - 103.47: Listwanite as described above.

<<Min: 99 - 105.66 0.5% pyrite>> Mainly as blebs and stringers in vuggy QZ veins.

<<Min: 99.8 - 99.88 0.5% sphalerite>>

<<Alt: 99 - 105.66 strong Fuchsite/Mariposite >>

<<Vein: 99.6 - 99.74 Quartz 30 deg. >>

<<Vein: 99.8 - 99.88 Quartz-Pyrite 58 deg. >> Grey QZ vein with PY and SP.

**103.47 103.97 T5 Quartz Vein white FCG**

103.47 - 103.97: Competent, vuggy, milky QZ vein at contact between listwanite and basalt.

<<Vein: 103.47 - 103.97 Quartz-Pyrite 35 deg. >> Vuggy QZ-PY vein.

**103.97 105.66 7 Listwanite green-brown FMG**

103.97 - 105.66: Listwanite as described above.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
81.00	83.00	2.00	G239464	0.011	1260	7	6	3
83.00	85.00	2.00	G239465	0.013	637	7	5	-2
85.00	86.50	1.50	G239466	0.019	1250	7	10	2
86.50	87.00	0.50	G239467	0.011	1165	5	38	9
87.00	87.90	0.90	G239468	0.025	943	7	73	17
87.90	88.50	0.60	G239469	0.01	1260	6	43	16
88.50	89.96	1.46	G239471	0.012	1425	7	84	10
89.96	91.70	1.74	G239472	0.042	223	6	112	6
91.70	92.87	1.17	G239473	0.041	192	1	212	3
92.87	94.00	1.13	G239474	0.014	1675	8	47	3
94.00	94.66	0.66	G239476	0.021	1325	13	30	5
94.66	96.00	1.34	G239477	0.017	1365	13	11	11
96.00	97.23	1.23	G239478	0.005	1305	12	12	6
97.23	99.00	1.77	G239479	0.009	30	107	69	10
99.00	100.28	1.28	G239481	0.013	1595	15	234	63
100.28	101.20	0.92	G239482	0.006	1475	12	16	5
101.20	102.70	1.50	G239483	0.025	1545	21	16	10
102.70	103.47	0.77	G239484	0.021	1605	13	30	5
103.47	103.97	0.50	G239485	0.023	999	7	33	43
103.97	104.80	0.83	G239486	0.009	1465	9	19	2
104.80	105.60	0.80	G239487	0.006	408	6	21	-2
105.60	107.00	1.40	G239488	0.173	34	149	66	3

# Drill Log

Project:

Cassiar

Hole Number:

TM12-09

From (m) To (m) Rocktype & Description

**105.66 120.24 5B Chert medium grey FMG**

105.66 - 120.24: Competent, medium grey chert. Minor disseminated PY throughout, with two blebs of CP.

<<Min: 105.66 - 110.25 0.5% pyrite>> fgr to mgr blebs and hedrons.

<<Min: 110.25 - 121.08 1% pyrite>> fgr to mgr blebs and hedrons.

<<Min: 112.37 - 112.7 0.5% chalcopryrite>>

<<Struc: 114.3 - 114.31 Bedded 38 deg. >> Typical bedding in chert and argillite units. Doesn't seem to be as strongly foliated as above units.

**120.24 121.08 T5 Quartz Vein dark grey FG**

120.24 - 121.08: Competent, milky QZ vein at contact between argillite and underlying basalt. Contains two blebs of CP near upper contact.

<<Min: 120.24 - 120.3 0.5% chalcopryrite>>

<<Vein: 120.24 - 121.08 Quartz 50 deg. >> Milky QZ vein with CP.

**121.08 146.00 T1 Basalt grey-green FMG**

121.08 - 146: Competent, grey-green, variably sericite/AK altered basalt. Alteration typically the result of QA-AK vein selvages. Lower half of unit is variably brecciated due to QZ-AK veining, and contains about 4% disseminated PY.

<<Min: 121.08 - 134 1% pyrite>> Typically seen as bands and clots in veins, but also disseminated away from vein margins as blebs and hedrons.

<<Min: 134 - 148.36 4% pyrite>> fgr to mgr blebs and hedrons, as well as cm-sized clots in brecciated areas.

<<Alt: 121.08 - 146 moderate Sericite-Ankerite>> Moderate AK-sericite alteration as QZ-AK vein selvages.

<<Vein: 122.76 - 122.93 Quartz-Ankerite 24 deg. >> Milky QZ-AK vein with PY.

<<Vein: 125.45 - 126.23 Quartz-Ankerite 10 deg. >> Vuggy QZ-AK vein with PY as bands intergrown with fibrous QZ margins.

<<Vein: 127.37 - 127.69 Quartz-Ankerite 10 deg. >> Vuggy QZ-AK vein with PY coating surface of cavities.

<<Vein: 129.19 - 129.41 Quartz-Ankerite 10 deg. >> QZ-AK vein with PY disseminated along margins.

<<Vein: 130.67 - 130.86 Quartz-Ankerite 17 deg. >> QZ-AK vein.

<<Vein: 139.97 - 140.12 Quartz-Ankerite 48 deg. >>

<<Struc: 134 - 137 moderate breccia>> Hydrothermally brecciated area caused by QZ-AK veining.

<<Struc: 137 - 144 strong breccia>> Hydrothermally brecciated area caused by QZ-AK veining.

<<Struc: 144 - 146 moderate breccia>> Hydrothermally brecciated area caused by QZ-AK veining.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
107.00	108.50	1.50	G239489	0.036	74	55	63	5
108.50	110.25	1.75	G239491	0.005	32	46	53	3
110.25	111.92	1.67	G239492	0.013	40	59	59	6
111.92	112.80	0.88	G239493	0.015	49	95	99	8
112.80	114.00	1.20	G239494	0.023	83	68	35	2
114.00	115.52	1.52	G239495	0.026	111	115	42	4
115.52	117.00	1.48	G239496	0.034	97	92	48	6
117.00	118.57	1.57	G239497	0.026	85	89	40	3
118.57	120.24	1.67	G239498	0.065	142	86	48	2
120.24	121.08	0.84	G239499	0.013	22	19	11	-2
121.08	122.50	1.42	G239501	0.052	226	48	73	-2
122.50	123.10	0.60	G239502	0.084	207	53	55	2
123.10	125.10	2.00	G239503	-0.005	251	35	65	-2
125.10	126.30	1.20	G239504	0.208	736	81	211	40
126.30	127.80	1.50	G239505	0.126	577	87	133	36
127.80	128.90	1.10	G239506	0.319	694	69	115	23
128.90	130.23	1.33	G239507	0.234	457	79	142	26
130.23	131.10	0.87	G239508	0.237	442	53	57	7
131.10	133.10	2.00	G239509	0.031	196	56	57	5
133.10	133.81	0.71	G239511	0.14	303	47	81	25
133.81	135.00	1.19	G239512	0.705	1060	78	271	42
135.00	136.86	1.86	G239513	3.25	1160	251	85	21
136.86	138.29	1.43	G239514	0.898	996	109	94	10
138.29	139.40	1.11	G239515	1.025	1140	89	40	10



# Drill Log

Project:

Cassiar

Hole Number:

TM12-09

From (m) To (m) Rocktype & Description

**146.00 148.36 T5 Quartz Vein white FCG**

146 - 148.36: Shattered and brecciated milky QZ vein at contact between basalt and argillite, with clasts of both lithologies and patches of PY.

<<Vein: 146 - 148.36 Quartz>> Brecciated milky QZ vein at contact between basalt and argillite. About 50% core recovery, so exact size is uncertain.

<<Struc: 146 - 152.1 moderate breccia>> Breccia zone in argillite in area of stockwork QZ-AK veining.

**148.36 167.34 5DD Argillite black FG**

148.36 - 167.34: Black, finely laminated/foliated argillite. Top several meters are brecciated and contain milky QZ vein clasts (likely broken up stockwork zone), with unit below that relatively competent, undeformed, and unveined except for small milky QZ stringers.

<<Min: 152.1 - 167.34 0.5% pyrite>>

<<Struc: 152.9 - 152.91 Foliated 50 deg. >> Composite bedding/shear fabric.

<<Struc: 157 - 157.01 Foliated 46 deg. >> Composite bedding/shear fabric.

<<Struc: 162.5 - 162.51 Foliated 10 deg. >> Composite bedding/shear fabric.

**End of Hole @ 167.34**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
139.40	140.20	0.80	G239516	0.707	976	72	30	5
140.20	142.20	2.00	G239517	0.785	1220	49	34	6
142.20	144.00	1.80	G239518	0.632	962	47	48	10
144.00	145.00	1.00	G239519	0.776	899	52	73	11
145.00	146.00	1.00	G239521	0.64	701	39	171	35
146.00	148.36	2.36	G239522	0.108	506	49	304	107

148.36	150.00	1.64	G239523	0.056	62	27	229	8
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150.00	152.00	2.00	G239524	0.088	72	29	127	9
152.00	153.40	1.40	G239526	0.042	17	36	134	9
159.70	161.24	1.54	G239527	0.067	82	89	586	14
161.24	162.10	0.86	G239528	0.077	107	43	1030	15

# Drill Log

**Project:** Cassiar **Hole Number:** TM12-10

Prospect:	Table Mtn	Hole Type:	DD	Survey Type:	GPS	Logged By:	Robert Treat
Grid:		Hole Diameter:	4 3/4	Survey By:		Date Started:	05/09/2012
UTM Easting:	460744.79	Core Size:	NQ	Azimuth:	0	Date Completed:	07/09/2012
UTM Northing:	6562855.82	Casing Pulled?:	<input type="checkbox"/>	Dip:	-48	Drill Company:	Apex
UTM Elev. (m):	1394.788	Casing Depth (m):	6.1	Length (m):	197.82	Drill Rig:	Hydracore
Local Easting:		Stored?:	<input checked="" type="checkbox"/>	Claims Title:		Drill Started:	02/09/2012
Local Northing:		Cemented?:	<input type="checkbox"/>	Work Place:		Drill Completed:	04/09/2012
Local Elev. (m):							
Comments:							
Proposed name	PropTM-AL.						

**Downhole Surveys:**

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
11.89	-47.6	337.5	23.37	0.87	ReflexEZS		03/09/2012	5780	<input checked="" type="checkbox"/>	
54.86	-48.3	339.6	23.37	2.97	ReflexEZS		03/09/2012	5746	<input checked="" type="checkbox"/>	
103.33	-50.3	338.1	23.37	1.47	ReflexEZS		03/09/2012	5741	<input checked="" type="checkbox"/>	
133.81	-50	341	23.37	4.37	ReflexEZS		03/09/2012	5738	<input checked="" type="checkbox"/>	
164.29	-49.8	339.5	23.37	2.87	ReflexEZS		04/09/2012	5734	<input checked="" type="checkbox"/>	
188.67	-49.8	339.2	23.37	2.57	ReflexEZS		04/09/2012	5739	<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>21.08</b>	<b>5DD Argillite black FCG</b>	13.00	15.00	2.00	G239529	0.024	75	99	321	14
<p>6.1 - 21.08: Competent, black argillite. Finely laminated/foliated with minor folding of foliation. Stockwork milky QZ veining throughout, being strongest approaching lower contact with underlying listwanite. QZ veins at top of unit cross-cut foliation, whereas approaching the lower contact they are sheared and stretched parallel to foliation. Weakly to moderately sheared, with moderately sheared area at lower contact broken out as a lithology. Also contains a number of small, medium grey sandstone beds and trace to minor PY.</p>											
<p>&lt;&lt;Min: 6.1 - 17.6 0.5% pyrite&gt;&gt; Clots in foliation.</p>											
<p>&lt;&lt;Min: 17.6 - 33.94 2% pyrite&gt;&gt; fgr to mgr blebs and hedrons, also as clots in foliation.</p>											
<p>&lt;&lt;Vein: 17.43 - 17.54 Quartz-Ankerite 23 deg. &gt;&gt;</p>											
<p>&lt;&lt;Struc: 6.1 - 29.4 weak Sheared&gt;&gt;</p>											
<p>&lt;&lt;Struc: 9 - 9.01 Foliated 58 deg. &gt;&gt; Composite bedding/shear fabric.</p>											
<p>&lt;&lt;Struc: 15 - 15.01 Foliated 57 deg. &gt;&gt; Composite bedding/shear fabric.</p>											
			15.00	17.00	2.00	G239531	0.037	70	75	302	29
			17.00	18.26	1.26	G239532	0.088	62	112	328	21
			18.26	20.26	2.00	G239533	0.071	95	76	260	23
			20.26	21.03	0.77	G239534	0.06	65	105	163	13
			21.03	22.00	0.97	G239535	0.052	60	39	144	10

# Drill Log

Project:

Cassiar

Hole Number:

TM12-10

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: 19 - 19.01 Foliated 55 deg. >> Composite bedding/shear fabric. <b>21.08 21.42 T5 Quartz Vein</b> <b>white</b> <b>FCG</b> 21.08 - 21.42: Competent, milky QZ vein.											
<<Vein: 21.08 - 21.42 Quartz-Ankerite 60 deg. >> <b>21.42 29.40 5DD Argillite</b> <b>black</b> <b>FG</b> 21.42 - 29.4: Argillite as described above.											
<<Vein: 23.9 - 24.11 Quartz-Ankerite 20 deg. >> <<Vein: 24.26 - 24.32 Quartz-Ankerite 60 deg. >> <<Vein: 26.44 - 26.49 Quartz 58 deg. >> <<Vein: 28.59 - 28.68 Quartz 52 deg. >> <<Struc: 24 - 24.01 Foliated 54 deg. >> Composite bedding/shear fabric. <<Struc: 28 - 28.01 Foliated 72 deg. >> Composite bedding/shear fabric.											
<b>29.40 33.94 SHZN Shear Zone</b> <b>black</b> <b>FCG</b> 29.4 - 33.94: Competent, moderately sheared area in argillite near contact with listwanite. QZ veins parallel to foliation.											
<<Vein: 29.95 - 30.18 Quartz-Ankerite 50 deg. >> <<Struc: 29.4 - 33.22 moderate Sheared>> <<Struc: 31 - 31.01 Foliated 55 deg. >> Composite bedding/shear fabric. <<Struc: 33.22 - 66.26 weak Sheared>>											
<b>33.94 39.25 7 Listwanite</b> <b>green-brown</b> <b>FG</b> 33.94 - 39.25: Competent, brown-green listwanite. Weakly sheared in places, with a number of QZ±AK veins, numerous QZ stringers, and trace to minor PY.											
<<Min: 33.94 - 48.46 0.1% pyrite>> Isolated blebs. <<Alt: 34.94 - 54.56 weak Fuchsite/Mariposite >> <<Vein: 34.85 - 34.94 Quartz 60 deg. >>											
<b>39.25 39.59 T5 Quartz Vein</b> <b>white</b> <b>FCG</b> 39.25 - 39.59: Competent, milky QZ vein.											
<<Vein: 39.25 - 39.59 Quartz-Ankerite 23 deg. >> <b>39.59 55.88 7 Listwanite</b> <b>green-brown</b> <b>FMG</b> 39.59 - 55.88: Listwanite as described above.											
<<Min: 48.46 - 57 0.5% pyrite>> Isolated blebs and clots. <<Alt: 54.56 - 59 strong Fuchsite/Mariposite >>											

# Drill Log

Project:

Cassiar

Hole Number:

TM12-10

From (m) To (m) Rocktype & Description

<<Vein: 48.3 - 48.68 Quartz 5 deg. >> Vuggy QZ vein.  
 <<Vein: 52.56 - 52.75 Quartz-Ankerite 30 deg. >>  
 <<Vein: 53.03 - 53.17 Quartz-Ankerite 30 deg. >>  
 <<Struc: 40.2 - 40.21 Foliated 45 deg. >> Composite bedding/shear fabric.

**55.88 56.37 T5 Quartz Vein**

**white FCG**

55.88 - 56.37: Competent, milky QZ vein.

<<Vein: 55.88 - 56.37 Quartz 16 deg. >> Vuggy QZ vein.

**56.37 66.20 7 Listwanite**

**green-brown FMG**

56.37 - 66.2: Listwanite as described above.

<<Min: 57 - 66.26 0.1% pyrite>> Isolated blebs.

<<Alt: 64 - 66.26 moderate Fuchsite/Mariposite >>

<<Vein: 56.46 - 56.58 Quartz-Pyrite 54 deg. >>

<<Struc: 60 - 60.01 Foliated 49 deg. >> Composite bedding/shear fabric.

**66.20 82.14 T1 Basalt**

**light grey FMG**

66.2 - 82.14: Competent, light grey basalt. Moderately AK altered along vein selvages. Generally trace amounts of PY, except along some veins margins where it is present up to 2%.

<<Min: 66.26 - 80 0.1% pyrite>>

<<Min: 80 - 82.14 2% pyrite>> fgr to mgr blebs and hedrons.

<<Alt: 66.2 - 82.14 moderate Ankerite>>

<<Alt: 66.26 - 82.14 moderate Ankerite>>

<<Vein: 80.29 - 80.45 Quartz-Ankerite 20 deg. >>

<<Vein: 80.9 - 80.95 Quartz-Ankerite 54 deg. >>

<<Struc: 82 - 82.5 moderate Sheared>> Moderate shear zone at contact between basalt and chert.

**82.14 87.81 5B Chert**

**medium grey FMG**

82.14 - 87.81: Competent, medium grey chert. Weakly sheared and foliated, with very minor coarse, isolated PY hedrons.

<<Min: 82.14 - 88.14 0.5% pyrite>> mgr to cgr isolated hedrons.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME-ICP41	Cu ppm ME-	Zn ppm ME-ICP41	Pb ppm ME-
45.40	47.40	2.00	G239553	0.063	1665	8	13	3
47.40	49.40	2.00	G239554	0.075	1795	7	17	2
49.40	51.40	2.00	G239555	0.031	1615	4	16	-2
51.40	52.34	0.94	G239556	0.029	1750	5	10	-2
52.34	53.26	0.92	G239557	0.032	953	7	13	-2
53.26	55.20	1.94	G239558	0.049	1495	7	26	4
55.20	56.60	1.40	G239559	0.031	1060	4	75	68

56.60	58.45	1.85	G239561	0.046	1180	10	58	22
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58.45	60.66	2.21	G239562	0.06	1590	7	21	-2
60.66	62.00	1.34	G239563	-0.005	135	4	18	-2
62.00	63.70	1.70	G239564	0.005	97	5	29	-2
63.70	65.00	1.30	G239565	0.019	122	11	16	-2
65.00	66.26	1.26	G239566	0.053	1050	12	26	-2
66.26	68.00	1.74	G239567	0.079	218	63	56	-2

68.00	69.70	1.70	G239568	0.199	160	53	142	11
69.70	71.30	1.60	G239569	0.015	65	67	62	8
71.30	73.20	1.90	G239571	0.039	72	74	87	-2
73.20	74.94	1.74	G239572	0.279	123	35	51	-2
74.94	76.80	1.86	G239573	0.045	80	29	43	-2
76.80	78.80	2.00	G239574	0.087	73	61	63	-2
78.80	80.00	1.20	G239576	0.129	182	53	58	3
80.00	81.12	1.12	G239577	0.437	364	48	45	4
81.12	82.14	1.02	G239578	0.121	308	47	46	-2
82.14	83.80	1.66	G239579	0.076	95	31	25	-2

83.80	85.45	1.65	G239581	0.057	83	87	52	8
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# Drill Log

Project:

Cassiar

Hole Number:

TM12-10

From (m) To (m) Rocktype & Description

<<Vein: 83.62 - 83.74 Quartz-Ankerite 38 deg. >>

<<Vein: 85.6 - 85.8 Quartz-Ankerite 10 deg. >>

<<Struc: 82.3 - 82.31 Foliated 56 deg. >>

**87.81 88.14 T5 Quartz Vein white FCG**

87.81 - 88.14: Competent, milky QZ vein at contact between chert and lamprophyre dyke.

<<Vein: 87.81 - 88.14 Quartz>> Milky QZ vein at contact between argillite and lamprophyre dyke.

<<Vein: 87.81 - 88.14 Quartz-Ankerite 25 deg. >>

**88.14 104.97 T11 Lamprophyre grey-brown FCG**

88.14 - 104.97: Competent, light grey-black lamprophyre dyke. Generally fgr matrix with 20-25% mgr biotite phenos and 10-20% mgr to cgr QZ phenos in darker colored areas. Strong, patchy magnetism. Undeformed and unmineralized.

<<Min: 96.8 - 97.7 5% pyrite>> Patch of altered basalt or possibly diorite dyke(?) in center of lamprophyre dyke, with large aggregates of PY.

<<Alt: 96.8 - 97.7 moderate White mica (Sericitic)>>

**104.97 105.67 FBX Fault breccia grey-green FCG**

104.97 - 105.67: Faulted and brecciated QZ vein with basalt fragments completely altered to green clay.

<<Min: 104.97 - 105.67 2% pyrite>>

<<Vein: 104.97 - 105.67 Quartz 34 deg. >>

**105.67 107.20 T11 Lamprophyre green-brown FMG**

105.67 - 107.2: Competent, light grey-black lamprophyre dyke. Generally fgr matrix with 20-25% mgr biotite phenos and 10-20% mgr to cgr QZ phenos in darker colored areas. Strong, patchy magnetism. Undeformed and unmineralized.

**107.20 107.93 T1 Basalt grey-green FMG**

107.2 - 107.93: Faulted and brecciated, strongly sericitic altered basalt. Contains several broken milky QZ veins and finely disseminated PY.

<<Min: 107.2 - 107.93 3% pyrite>> fgr to mgr blebs and hedrons.

<<Alt: 107.2 - 107.93 moderate White mica (Sericitic)>>

**107.93 108.73 T11 Lamprophyre grey-brown FMG**

107.93 - 108.73: Competent, light grey-black lamprophyre dyke. About half milky QZ vein nearly parallel to core axis. Dyke is undeformed but QZ vein contains aggregates of PY.

<<Min: 107.93 - 108.73 5% pyrite>> Aggregates in milky QZ vein.

<<Vein: 107.93 - 108.73 Quartz-Ankerite 5 deg. >> Milky QZ vein parallel to lamprophyre dyke.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
85.45	86.00	0.55	G239582	0.036	67	26	77	8
86.00	87.81	1.81	G239583	0.013	78	19	39	4

87.81	88.14	0.33	G239584	0.368	292	292	93	81
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88.14	89.00	0.86	G239585	0.071	113	41	112	95
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96.60	97.90	1.30	G239586	0.076	237	64	66	27
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103.33	104.97	1.64	G239587	0.046	148	34	68	36
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104.97	105.67	0.70	G239588	0.964	588	14	93	105
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105.67	107.20	1.53	G239589	0.078	250	46	116	84
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107.20	107.93	0.73	G239591	0.814	795	28	54	29
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107.93	108.80	0.87	G239592	0.186	436	25	91	75
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# Drill Log

Project:

Cassiar

Hole Number:

TM12-10

From (m) To (m) Rocktype & Description

**108.73 109.20 FBX Fault breccia green-brown FCG**

108.73 - 109.2: Faulted and brecciated basalt with numerous fragments of milky QZ veins and some darker, black carbonaceous fragments. Basalt dominantly altered to green clay.

<<Struc: 108.73 - 112.23 strong breccia>> Brecciation of QZ vein.

<<Struc: 108.73 - 112.33 strong breccia>> Brecciation of basalt, QZ vein, and some carbonaceous/argillite clasts.

**109.20 110.70 T5 Quartz Vein white FCG**

109.2 - 110.7: Faulted and shattered milky QZ vein. Contains finely disseminated PY.

<<Min: 109.2 - 110.7 2% pyrite>>

<<Vein: 109.2 - 110.7 Quartz>> Angle indeterminate.

**110.70 112.23 T1 Basalt green FCG**

110.7 - 112.23: Faulted and brecciated basalt with numerous fragments of milky QZ veins and some darker, black carbonaceous fragments. Basalt dominantly altered to green clay.

<<Min: 110.7 - 112.23 1% pyrite>> fgr to mgr blebs and hedrons.

**112.23 118.40 5DD Argillite black FG**

112.23 - 118.4: Faulted and variably brecciated argillite. Finely laminated/foliated with stockwork milky QZ veining and stringers throughout which are largely broken by faulted. Larger argillite unit broken up into several smaller lithologies due to presence of two larger QZ veins.

<<Min: 112.33 - 132.16 0.5% pyrite>>

<<Struc: 112.33 - 133 moderate breccia>> Brecciation of QZ vein.

**118.40 118.90 T5 Quartz Vein white FCG**

118.4 - 118.9: Broken milky QZ-AK vein.

<<Vein: 118.4 - 118.9 Quartz-Ankerite>> Angle indeterminate.

**118.90 122.77 5DD Argillite black FG**

118.9 - 122.77: Argillite as described above.

**122.77 123.08 T5 Quartz Vein white FCG**

122.77 - 123.08: Broken milky QZ-AK vein.

<<Vein: 122.77 - 123.08 Quartz-Ankerite>> Angle indeterminate.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
108.80	109.30	0.50	G239593	0.662	674	77	132	23

109.30	110.70	1.40	G239594	0.413	173	5	266	5
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110.70	112.40	1.70	G239595	0.747	752	53	235	67
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112.40	118.25	5.85	G239596	0.054	75	25	258	13
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118.25	118.90	0.65	G239597	0.009	18	6	43	4
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118.90	120.50	1.60	G239598	0.039	65	29	67	7
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120.50	122.00	1.50	G239599	0.033	54	35	83	17
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122.00	124.00	2.00	G239601	0.051	37	23	110	9
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# Drill Log

Project:

Cassiar

Hole Number:

TM12-10

From (m) To (m) Rocktype & Description

**123.08 132.16 5DD Argillite**

**black FG**

123.08 - 132.16: Argillite as described above.

<<Struc: 124.5 - 124.51 Foliated 52 deg. >>

**132.16 133.00 T12 Massive Sulphide**

**light grey FMG**

132.16 - 133: Faulted and brecciated light grey basalt. Moderate AK alteration throughout, with disseminated PY.

<<Min: 132.16 - 133 4% pyrite>> fgr to mgr blebs and hedrons.

**133.00 175.45 T5 Quartz Vein**

**white FCG**

133 - 175.45: Gigantic milky QZ vein. Ranges from competent to brecciated and healed to brecciated with a lot of core loss. Contains several areas of darker grey which contain more PY and carbon and likely more wall rock material. Center of vein is very broken and rubblely with lots of core loss.

<<Min: 133 - 137.15 1% pyrite>>

<<Min: 137.15 - 155.14 0.1% pyrite>>

<<Min: 155.14 - 158 1% pyrite>>

<<Min: 158 - 159 0.1% pyrite>>

<<Min: 159 - 161 1% pyrite>>

<<Min: 161 - 170.7 0.1% pyrite>>

<<Min: 170.7 - 175.45 0.5% pyrite>>

<<Vein: 133 - 175.45 Quartz-Ankerite>> Giant milky QZ-AK vein.

<<Struc: 146 - 160 moderate breccia>> Brecciation of QZ vein.

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
124.00	126.00	2.00	G239602	0.071	38	28	155	8
126.00	128.00	2.00	G239603	0.057	56	18	215	7
128.00	129.28	1.28	G239604	0.026	46	18	120	6
129.28	130.76	1.48	G239605	0.037	41	12	179	8
130.76	132.16	1.40	G239606	0.041	55	22	209	17
132.16	134.00	1.84	G239607	0.277	393	37	108	11
134.00	135.94	1.94	G239608	0.094	64	3	20	10
135.94	137.30	1.36	G239609	0.175	123	7	55	21
137.30	138.00	0.70	G239611	-0.005	4	6	21	3
138.00	139.00	1.00	G239612	0.007	6	14	27	3
139.00	139.90	0.90	G239613	0.008	6	2	5	3
139.90	142.95	3.05	G239614	0.014	5	2	5	2
142.95	144.00	1.05	G239615	-0.005	24	2	6	-2
144.00	146.00	2.00	G239616	0.008	7	11	11	-2
146.00	149.05	3.05	G239617	0.027	9	110	443	16
149.05	156.00	6.95	G239618	0.064	24	2	14	13
156.00	158.00	2.00	G239619	0.083	56	2	46	57
158.00	160.00	2.00	G239621	0.244	210	6	118	59
160.00	162.00	2.00	G239622	0.105	47	4	46	36
162.00	164.00	2.00	G239623	0.006	4	2	22	7
164.00	166.00	2.00	G239624	-0.005	-2	3	17	11
166.00	167.00	1.00	G239626	0.087	2	1	4	2
167.00	168.00	1.00	G239627	0.109	19	33	23	7
168.00	170.00	2.00	G239628	0.031	28	2	4	3
170.00	171.00	1.00	G239629	0.036	73	1	6	-2
171.00	172.00	1.00	G239631	0.113	141	2	9	-2
172.00	173.50	1.50	G239632	0.123	142	2	10	3

# Drill Log

Project:

Cassiar

Hole Number:

TM12-10

From (m) To (m) Rocktype & Description

**175.45 185.56 T1 Basalt light grey FMG**

175.45 - 185.56: Faulted and variably brecciated light grey basalt. Moderate AK alteration and variable PY throughout.

<<Min: 175.45 - 178 3% pyrite>> fgr to mgr blebs and hedrons.

<<Min: 178 - 183 1% pyrite>> fgr to mgr blebs and hedrons.

<<Min: 183 - 185.02 0.5% pyrite>>

<<Min: 185.02 - 197.82 1% pyrite>>

<<Alt: 175.45 - 185.56 moderate Ankerite>>

<<Vein: 178.6 - 178.9 Quartz-Ankerite>>

<<Struc: 176 - 187 weak breccia>> Brecciation of basalt and sandstone.

**185.56 197.82 5Dc Sandstone black FMG**

185.56 - 197.82: Black sandstone, upper two meters of which are brecciated. Contains finely disseminated PY throughout.

**End of Hole @ 197.82**

From (m)	To (m)	Width	Sample	Au ppm	As ppm ME- ICP41	Cu ppm ME-	Zn ppm ME- ICP41	Pb ppm ME-
173.50	174.50	1.00	G239633	0.144	146	2	9	2
174.50	175.45	0.95	G239634	0.189	196	5	14	3
175.45	176.48	1.03	G239635	0.041	339	3	15	2
176.48	178.00	1.52	G239636	0.427	403	6	13	3
178.00	179.00	1.00	G239637	0.158	199	5	11	2
179.00	180.50	1.50	G239638	0.31	329	11	19	-2
180.50	182.00	1.50	G239639	0.407	311	4	12	5
182.00	184.00	2.00	G239641	0.179	171	18	29	6
184.00	185.56	1.56	G239642	0.053	109	35	51	4
185.56	187.50	1.94	G239643	0.102	86	7	7	6
187.50	189.00	1.50	G239644	0.035	44	7	5	6
189.00	191.00	2.00	G239645	0.046	38	7	5	8
191.00	192.96	1.96	G239646	0.04	38	8	10	8
192.96	194.76	1.80	G239647	0.16	38	10	8	10
194.76	196.70	1.94	G239648	0.177	137	19	15	11
196.70	197.82	1.12	G239649	0.187	149	8	46	20



**China Minerals Mining Corporation**

**2012 TABLE MOUNTAIN PROPERTY  
DRILLING REPORT, CASSIAR GOLD  
PROJECT**

Volume IV – Analytical Certificates

Liard Mining Division  
NTS 104P/5  
59° 14' N Latitude; 129° 40' W Longitude  
UTM 6567000 mN; 462000 mE; Zone 9

-prepared for-

**CHINA MINERALS MINING CORPORATION**  
Suite 717, 1030 West Georgia Street  
Vancouver, BC, Canada, V6E 2Y3

-prepared by-

Darcy Baker  
Margot McKeown

**EQUITY EXPLORATION CONSULTANTS LTD.**  
Suite 200, 900 West Hastings Street  
Vancouver, BC, Canada, V6C 1E5

February 28, 2013

**Appendix G: Analytical 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: 25-SEP-2012  
 Account: EIACMV

**CERTIFICATE TR12208569**

Project: CMV12-01  
 P.O. No.: CMV12-01\_53  
 This report is for 54 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
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  
 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: 3 (A - C)  
 Finalized Date: 25-SEP-2012  
 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12208569**

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															
G279651		3.77	0.060		1.5	0.31	20	<10	140	<0.5	<2	4.40	1.7	6	12	65
G279652		3.19	0.178		0.6	0.31	117	<10	100	<0.5	<2	4.09	1.0	9	6	45
G279653		2.90	0.190		0.8	0.45	135	<10	130	<0.5	2	4.37	1.3	10	7	61
G279654		1.09	0.112		0.6	0.36	107	10	120	<0.5	2	2.96	0.5	9	4	56
G279655		3.24	0.089		0.7	0.39	73	<10	80	<0.5	2	3.72	1.4	8	8	54
G279656		3.53	0.121		0.5	0.40	97	<10	80	<0.5	<2	5.87	1.6	7	9	40
G279657		4.15	0.192		0.6	0.44	131	<10	70	<0.5	<2	3.85	1.9	10	10	51
G279658		4.93	0.174		0.5	0.59	105	<10	60	0.5	<2	4.03	1.5	8	12	39
G279659		4.46	0.092		0.6	0.37	70	<10	100	<0.5	2	2.87	1.7	13	6	73
G279660		0.07	3.52		3.7	1.43	249	<10	460	<0.5	2	1.27	1.5	9	51	74
G279661		4.32	0.200		0.7	0.38	153	<10	80	<0.5	<2	4.76	1.6	11	12	55
G279662		4.71	0.290		1.1	0.53	339	<10	100	<0.5	<2	3.23	2.0	11	11	69
G279663		2.36	0.864		0.7	0.17	422	<10	50	<0.5	<2	2.79	<0.5	14	9	62
G279664		4.00	0.269		0.3	0.06	125	<10	10	<0.5	<2	1.08	<0.5	3	16	21
G279665		2.22	0.559		0.4	0.13	389	<10	30	<0.5	<2	1.27	<0.5	7	11	39
G279666		3.30	0.478		<0.2	0.86	551	<10	90	<0.5	2	0.74	<0.5	11	10	36
G279667		1.75	0.078		<0.2	1.09	137	<10	90	<0.5	<2	0.57	<0.5	13	11	52
G279668		3.93	0.081		<0.2	0.86	205	<10	100	<0.5	<2	0.85	<0.5	11	10	28
G279669		4.60	0.146		<0.2	0.65	275	<10	100	<0.5	2	1.02	<0.5	11	10	39
G279670		0.67	<0.005		<0.2	0.02	<2	10	30	<0.5	<2	21.0	<0.5	<1	<1	<1
G279671		4.81	0.382		<0.2	0.76	496	<10	100	<0.5	<2	0.66	<0.5	13	9	32
G279672		3.06	0.278		<0.2	0.34	284	<10	60	<0.5	<2	1.10	<0.5	7	9	11
G279673		4.49	0.255		<0.2	0.54	488	<10	90	<0.5	<2	0.44	<0.5	9	7	17
G279674		1.87	0.324		<0.2	0.36	487	<10	80	<0.5	<2	0.85	<0.5	7	7	15
G279675		2.04	0.358		<0.2	0.41	497	<10	90	<0.5	2	0.87	<0.5	8	8	16
G279676		4.16	0.164		<0.2	0.48	285	<10	70	<0.5	<2	0.94	<0.5	8	8	18
G279677		3.57	0.605		<0.2	0.43	520	<10	80	<0.5	<2	0.86	<0.5	7	11	13
G279678		3.31	0.010		<0.2	1.08	30	<10	100	<0.5	<2	0.36	<0.5	9	11	21
G279679		3.43	0.130		<0.2	0.69	302	<10	100	<0.5	<2	0.77	<0.5	9	7	17
G279680		0.07	9.62	9.96	0.5	1.45	3680	<10	60	<0.5	2	0.82	<0.5	14	65	65
G279681		4.49	0.486		<0.2	0.46	618	<10	100	<0.5	<2	0.82	<0.5	10	6	20
G279682		3.34	0.226		<0.2	0.66	374	<10	100	<0.5	<2	0.80	<0.5	10	6	24
G279683		3.50	0.038		<0.2	1.19	70	<10	110	0.5	<2	0.49	<0.5	9	9	20
G279684		3.40	0.027		<0.2	1.01	74	<10	110	<0.5	<2	0.43	<0.5	9	9	17
G279685		3.43	<0.005		<0.2	0.98	23	<10	90	<0.5	<2	0.35	<0.5	9	9	14
G279686		3.11	0.058		<0.2	0.65	119	<10	110	<0.5	<2	0.71	<0.5	7	9	13
G279687		4.53	0.007		<0.2	1.09	42	<10	90	<0.5	<2	0.29	<0.5	8	10	18
G279688		3.79	0.096		<0.2	0.83	214	<10	90	<0.5	<2	0.37	<0.5	9	7	19
G279689		1.53	<0.005		<0.2	0.76	26	<10	70	<0.5	<2	0.28	<0.5	6	7	10
G279690		0.62	<0.005		<0.2	0.02	<2	10	930	<0.5	<2	19.5	<0.5	1	<1	<1



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**CERTIFICATE OF ANALYSIS TR12208569**

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
G279651		1.88	<10	<1	0.15	<10	2.07	280	3	0.02	46	1630	10	0.94	26	4
G279652		2.96	<10	<1	0.14	<10	1.92	666	6	0.02	57	490	16	1.96	12	5
G279653		3.26	<10	<1	0.19	<10	2.09	684	17	0.03	55	520	23	2.08	18	5
G279654		2.26	<10	<1	0.19	<10	1.24	311	1	0.03	27	440	12	1.22	25	3
G279655		2.58	<10	<1	0.14	<10	1.73	637	9	0.03	51	970	14	1.33	23	4
G279656		3.24	<10	<1	0.12	<10	2.79	891	8	0.03	42	1190	15	1.59	18	5
G279657		3.52	<10	<1	0.12	<10	1.67	729	9	0.03	55	560	17	2.32	21	5
G279658		3.25	<10	<1	0.11	<10	1.96	770	10	0.03	54	510	16	1.98	15	5
G279659		3.15	<10	<1	0.17	<10	1.26	1305	10	0.03	49	620	24	2.47	23	4
G279660		3.31	<10	5	0.14	10	0.78	431	13	0.08	39	720	284	0.63	26	4
G279661		3.14	<10	<1	0.12	<10	2.33	768	11	0.03	62	900	15	1.96	27	5
G279662		3.62	<10	<1	0.16	<10	1.60	618	12	0.03	61	560	21	2.85	28	5
G279663		3.43	<10	<1	0.08	<10	1.30	512	<1	0.03	31	30	8	2.45	32	8
G279664		1.25	<10	<1	0.02	<10	0.45	222	<1	0.02	4	<10	2	0.55	8	2
G279665		2.18	<10	<1	0.05	<10	0.46	236	<1	0.02	11	<10	6	1.69	22	3
G279666		3.77	<10	<1	0.24	10	0.70	198	<1	0.03	26	460	14	2.55	5	4
G279667		3.52	<10	<1	0.26	10	0.82	160	1	0.03	32	610	23	1.11	3	4
G279668		3.49	<10	<1	0.25	10	0.79	181	<1	0.03	27	580	19	1.71	3	3
G279669		3.46	<10	<1	0.27	10	0.62	198	1	0.03	26	590	21	2.27	4	3
G279670		0.03	<10	<1	0.01	<10	12.40	383	<1	0.03	<1	30	<2	0.05	3	<1
G279671		3.72	<10	<1	0.28	10	0.61	141	<1	0.03	32	550	17	2.60	3	2
G279672		2.17	<10	<1	0.15	10	0.58	251	<1	0.03	16	320	6	1.39	5	2
G279673		2.89	<10	<1	0.23	10	0.48	134	<1	0.03	20	310	13	2.48	9	1
G279674		2.65	<10	<1	0.19	10	0.51	232	<1	0.03	18	280	12	2.13	8	1
G279675		2.59	<10	<1	0.20	10	0.56	226	<1	0.03	19	300	13	2.14	7	2
G279676		2.41	<10	<1	0.17	<10	0.77	206	<1	0.03	17	280	15	1.68	9	2
G279677		2.70	<10	<1	0.19	10	0.52	187	<1	0.03	17	260	13	2.03	3	2
G279678		2.66	<10	<1	0.26	20	0.74	150	1	0.03	23	460	22	0.33	<2	3
G279679		2.90	<10	<1	0.26	10	0.76	195	<1	0.03	22	310	14	2.08	4	2
G279680		3.52	10	<1	0.16	10	0.85	374	6	0.08	61	460	6	0.87	32	4
G279681		3.05	<10	<1	0.26	10	0.54	194	<1	0.03	23	290	13	2.69	8	2
G279682		2.92	<10	<1	0.27	10	0.69	178	<1	0.03	24	340	18	2.14	7	2
G279683		2.62	<10	<1	0.27	20	1.26	158	<1	0.03	22	440	15	0.56	3	2
G279684		2.44	<10	<1	0.25	20	0.81	163	<1	0.03	20	390	15	0.52	2	2
G279685		2.30	<10	<1	0.23	20	0.82	145	<1	0.02	18	300	15	0.25	2	2
G279686		2.08	<10	<1	0.19	10	0.64	190	<1	0.03	17	250	11	0.82	6	2
G279687		2.75	<10	<1	0.22	20	0.84	141	<1	0.02	20	390	15	0.38	<2	2
G279688		3.02	<10	<1	0.21	10	0.65	151	1	0.03	21	360	12	1.53	2	2
G279689		1.97	<10	<1	0.18	10	0.47	127	<1	0.02	15	240	12	0.33	<2	2
G279690		0.04	<10	<1	0.01	<10	11.40	351	<1	0.03	<1	30	3	0.06	2	<1



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**CERTIFICATE OF ANALYSIS TR12208569**

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
G279651		190	<20	<0.01	<10	<10	16	<10	132
G279652		184	<20	<0.01	<10	<10	15	<10	121
G279653		174	<20	<0.01	<10	<10	19	<10	142
G279654		126	<20	<0.01	<10	<10	7	<10	65
G279655		199	<20	<0.01	<10	<10	18	<10	158
G279656		274	<20	<0.01	<10	<10	33	<10	187
G279657		175	<20	<0.01	<10	<10	29	<10	190
G279658		181	<20	<0.01	<10	<10	32	<10	156
G279659		148	<20	<0.01	<10	<10	20	<10	175
G279660		35	<20	0.09	<10	<10	56	<10	273
G279661		231	<20	<0.01	<10	<10	28	<10	151
G279662		184	<20	<0.01	<10	<10	27	<10	214
G279663		130	<20	<0.01	<10	<10	14	<10	46
G279664		39	<20	<0.01	<10	<10	5	<10	18
G279665		44	<20	<0.01	<10	<10	7	<10	19
G279666		47	<20	<0.01	<10	<10	12	<10	87
G279667		37	<20	<0.01	<10	<10	12	<10	91
G279668		41	<20	<0.01	<10	<10	9	<10	77
G279669		56	<20	<0.01	<10	<10	9	<10	83
G279670		166	<20	<0.01	<10	<10	2	<10	9
G279671		37	<20	<0.01	<10	<10	9	<10	95
G279672		48	<20	<0.01	<10	<10	3	<10	45
G279673		27	<20	<0.01	<10	<10	4	<10	60
G279674		39	<20	<0.01	<10	<10	4	<10	51
G279675		41	<20	<0.01	<10	<10	5	<10	53
G279676		52	<20	<0.01	<10	<10	5	<10	60
G279677		43	<20	<0.01	<10	<10	4	<10	85
G279678		27	<20	<0.01	<10	<10	8	<10	87
G279679		37	<20	<0.01	<10	<10	5	<10	72
G279680		38	<20	0.10	<10	<10	48	40	50
G279681		36	<20	<0.01	<10	<10	5	<10	61
G279682		41	<20	<0.01	<10	<10	5	<10	79
G279683		37	<20	<0.01	<10	<10	7	<10	66
G279684		28	<20	<0.01	<10	<10	6	<10	55
G279685		25	<20	<0.01	<10	<10	5	<10	55
G279686		38	<20	<0.01	<10	<10	4	<10	46
G279687		27	<20	<0.01	<10	<10	6	<10	60
G279688		27	<20	<0.01	<10	<10	5	<10	56
G279689		23	<20	<0.01	<10	<10	4	<10	43
G279690		291	<20	<0.01	<10	<10	1	120	9



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**CERTIFICATE OF ANALYSIS TR12208569**

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
G279691		1.64	0.050		<0.2	0.59	148	<10	110	<0.5	2	0.97	<0.5	7	8	14
G279692		3.84	0.142		<0.2	1.27	255	<10	130	0.5	2	0.91	0.5	12	15	31
G279589		0.62	<0.005		1.4	0.01	<2	<10	<10	<0.5	<2	0.03	<0.5	<1	12	35
G279590		0.65	<0.005		<0.2	0.02	<2	10	190	<0.5	<2	18.5	<0.5	<1	<1	<1
G279591		3.09	0.069		1.2	0.21	37	<10	80	<0.5	<2	0.97	1.3	6	9	43
G279592		3.15	0.106		1.0	0.27	54	<10	120	<0.5	<2	3.88	1.7	8	13	39
G279593		3.28	0.109		1.7	0.32	41	<10	150	<0.5	<2	2.54	0.5	7	13	60
G279594		1.50	0.052		0.7	0.26	21	<10	240	<0.5	<2	5.18	0.6	6	8	44
G279595		2.12	0.181		0.7	0.29	108	<10	90	<0.5	<2	4.00	<0.5	10	11	33
G279596		1.48	0.060		0.8	0.37	44	<10	100	<0.5	<2	5.65	3.4	8	11	57
G279597		1.84	0.107		0.6	0.38	70	<10	90	<0.5	<2	4.51	1.6	10	9	43
G279598		1.62	0.077		1.4	0.31	25	<10	130	<0.5	<2	5.16	2.6	7	10	54
G279599		4.50	0.080		0.8	0.41	15	<10	180	<0.5	<2	4.32	1.4	7	7	55
G279600		0.08	2.15		0.3	2.09	8	<10	70	<0.5	2	0.60	<0.5	8	28	607



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**CERTIFICATE OF ANALYSIS TR12208569**

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
G279691		2.43	<10	<1	0.26	10	0.47	266	<1	0.03	16	270	10	1.55	4	2
G279692		3.84	<10	<1	0.25	10	1.09	262	1	0.03	29	490	35	2.03	7	4
G279589		0.83	<10	<1	<0.01	<10	0.01	87	<1	0.02	2	30	<2	0.02	16	<1
G279590		0.03	<10	<1	0.01	<10	10.75	384	<1	0.03	1	40	5	0.04	<2	<1
G279591		3.48	<10	<1	0.11	<10	0.43	137	11	0.02	41	400	40	3.27	27	1
G279592		2.77	<10	<1	0.12	<10	1.65	421	41	0.03	69	820	15	1.49	19	5
G279593		2.22	<10	<1	0.17	<10	1.04	288	5	0.03	67	720	10	1.36	11	4
G279594		2.18	<10	<1	0.14	<10	2.47	531	1	0.03	35	530	7	0.58	6	5
G279595		2.87	<10	<1	0.12	<10	1.77	433	10	0.03	74	590	13	1.37	16	7
G279596		2.89	<10	<1	0.11	<10	2.59	534	31	0.03	64	870	13	1.45	29	6
G279597		3.56	<10	<1	0.11	<10	1.98	389	74	0.03	108	900	30	2.67	33	6
G279598		2.26	<10	<1	0.14	<10	2.41	308	11	0.03	47	1230	13	1.17	27	5
G279599		2.28	<10	<1	0.20	<10	2.07	291	2	0.03	32	910	12	1.12	19	5
G279600		4.21	10	<1	0.13	10	0.87	734	8	0.09	19	640	10	0.10	2	5





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**CERTIFICATE OF ANALYSIS TR12208569**

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
G279691		42	<20	<0.01	<10	<10	5	<10	50
G279692		67	<20	<0.01	<10	<10	18	<10	195
G279589		3	<20	<0.01	<10	<10	<1	<10	9
G279590		139	<20	<0.01	<10	<10	1	<10	12
G279591		71	<20	<0.01	<10	<10	16	<10	155
G279592		212	<20	<0.01	<10	10	40	<10	145
G279593		166	<20	<0.01	<10	<10	10	<10	64
G279594		295	<20	<0.01	<10	<10	7	<10	89
G279595		205	<20	<0.01	<10	<10	23	<10	26
G279596		189	<20	<0.01	<10	<10	37	<10	254
G279597		138	<20	<0.01	<10	<10	44	<10	147
G279598		191	<20	<0.01	<10	<10	18	<10	135
G279599		165	<20	<0.01	<10	<10	10	<10	107
G279600		29	<20	0.13	<10	<10	58	<10	83



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**CERTIFICATE TR12213410**

Project: CMV12-01  
 P.O. No.: CMV12-01\_54  
 This report is for 26 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
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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 Account: EIACMV

Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12213410**

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
G279693		4.20	0.011	0.5	0.92	79	<10	150	<0.5	<2	4.62	1.1	14	13	82	3.57
G279694		4.16	0.013	0.6	0.79	104	<10	150	0.8	<2	3.91	0.9	19	14	85	3.56
G279695		3.60	0.175	1.3	0.39	88	<10	130	<0.5	<2	1.90	2.3	12	10	84	3.29
G279696		4.46	0.066	1.3	0.35	33	<10	130	<0.5	<2	4.03	1.8	6	10	57	2.31
G279697		4.28	0.026	0.3	0.85	82	<10	210	<0.5	<2	6.18	0.5	25	30	129	4.11
G279698		4.59	0.053	0.8	0.44	63	<10	170	<0.5	<2	7.8	1.4	17	16	63	3.96
G279699		3.39	0.144	0.5	0.37	127	<10	120	<0.5	<2	2.58	<0.5	12	4	42	2.44
G279700		0.08	0.270	0.4	0.38	464	<10	1160	<0.5	<2	1.07	<0.5	3	43	40	3.90
G279701		4.46	0.206	1.4	0.35	134	<10	80	<0.5	<2	2.84	5.7	12	8	85	4.63
G279702		5.84	0.303	1.3	0.37	130	<10	90	<0.5	<2	2.79	3.4	11	10	84	4.62
G279703		5.11	0.145	1.3	0.40	112	<10	100	<0.5	<2	2.42	1.8	17	7	113	3.50
G279704		3.65	0.148	1.3	0.46	140	<10	110	<0.5	<2	2.45	1.4	12	9	65	3.65
G279705		2.65	0.156	0.7	0.43	299	<10	100	<0.5	<2	2.62	1.1	11	7	32	4.25
G279706		2.28	0.177	0.6	0.50	352	<10	130	<0.5	<2	3.18	1.7	9	9	43	3.74
G279707		3.67	0.195	0.8	0.38	465	<10	100	<0.5	<2	2.11	0.9	10	8	52	3.06
G279708		1.68	0.199	0.8	0.61	557	<10	70	<0.5	<2	1.03	1.0	16	9	64	4.04
G279709		1.44	0.032	0.2	0.13	82	<10	40	<0.5	<2	3.50	1.7	2	7	6	1.81
G279710		0.65	<0.005	<0.2	0.02	2	20	40	<0.5	<2	20.7	<0.5	<1	<1	<1	0.04
G279711		3.71	0.248	3.4	0.47	419	<10	120	<0.5	<2	3.03	1.5	13	9	275	3.97
G279712		2.55	0.066	0.2	0.11	91	<10	30	<0.5	<2	1.34	<0.5	1	16	12	1.84
G279713		2.55	0.333	0.8	0.41	548	<10	100	<0.5	<2	4.20	1.0	10	7	41	4.07
G279714		2.57	0.493	0.6	0.43	813	<10	120	<0.5	<2	3.03	0.7	12	6	47	2.91
G279715		4.56	0.268	0.8	0.49	543	<10	130	<0.5	<2	4.13	0.7	9	8	45	3.10
G279716		5.26	0.294	0.4	0.42	604	<10	120	<0.5	<2	3.52	0.5	10	5	41	3.08
G279717		3.38	0.165	1.3	0.57	321	<10	130	<0.5	<2	2.59	1.3	9	12	68	3.03
G279718		4.98	0.211	1.3	0.47	422	<10	90	<0.5	<2	2.78	2.0	13	8	70	3.69



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12213410**

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
G279693		<10	<1	0.21	10	2.32	1015	10	0.02	69	560	12	1.00	2	6	249
G279694		<10	<1	0.20	10	1.96	875	5	0.02	76	540	9	1.43	3	8	245
G279695		<10	<1	0.20	<10	0.78	387	20	0.02	55	730	62	2.51	24	4	88
G279696		<10	<1	0.16	<10	1.87	402	13	0.02	40	590	9	1.03	12	4	153
G279697		<10	<1	0.22	<10	3.06	671	<1	0.05	57	500	2	0.90	16	13	348
G279698		<10	<1	0.19	<10	3.31	689	24	0.03	69	820	7	1.15	25	10	422
G279699		<10	<1	0.18	<10	1.06	785	1	0.02	45	430	12	1.63	10	4	108
G279700		<10	4	0.09	10	0.03	73	13	0.03	15	150	14	0.23	31	1	76
G279701		<10	<1	0.19	<10	1.28	724	64	0.02	113	460	52	4.36	52	4	139
G279702		<10	<1	0.18	<10	1.27	908	55	0.02	96	410	50	3.88	53	4	150
G279703		<10	<1	0.20	<10	1.05	1130	14	0.02	113	480	28	3.05	54	4	126
G279704		<10	<1	0.22	<10	1.09	884	8	0.02	70	420	25	2.97	27	3	132
G279705		<10	<1	0.20	<10	1.19	528	5	0.02	45	510	15	3.81	19	4	140
G279706		<10	<1	0.23	<10	1.48	842	11	0.02	51	510	12	2.87	25	4	158
G279707		<10	<1	0.19	<10	1.07	538	1	0.02	55	320	14	2.81	28	3	162
G279708		<10	<1	0.30	<10	0.51	335	<1	0.02	60	270	17	3.97	31	2	92
G279709		<10	<1	0.07	<10	1.58	991	<1	0.02	13	150	3	0.68	2	2	239
G279710		<10	<1	0.01	<10	12.50	448	<1	0.02	<1	50	<2	0.01	<2	<1	211
G279711		<10	<1	0.24	<10	1.51	848	1	0.02	72	190	21	3.62	168	4	221
G279712		<10	<1	0.05	<10	0.61	594	<1	0.01	9	130	2	0.55	2	1	63
G279713		<10	<1	0.19	<10	2.03	1205	11	0.02	44	740	17	3.46	22	4	263
G279714		<10	<1	0.20	<10	1.47	681	<1	0.02	32	420	5	2.39	26	4	198
G279715		<10	<1	0.22	<10	1.95	1250	<1	0.02	29	580	6	2.03	15	4	215
G279716		<10	<1	0.21	<10	1.60	800	<1	0.02	27	390	6	2.25	9	4	216
G279717		<10	<1	0.19	<10	1.23	623	7	0.02	52	800	15	2.38	32	4	180
G279718		<10	<1	0.18	<10	1.35	666	17	0.02	74	520	22	3.37	34	5	166



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12213410**

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
G279693		<20	<0.01	<10	<10	23	<10	144
G279694		<20	<0.01	<10	<10	13	<10	134
G279695		<20	<0.01	<10	<10	24	<10	310
G279696		<20	<0.01	<10	<10	30	<10	165
G279697		<20	<0.01	<10	<10	27	<10	104
G279698		<20	<0.01	<10	<10	42	<10	146
G279699		<20	<0.01	<10	<10	7	<10	36
G279700		<20	0.01	10	<10	29	10	23
G279701		<20	<0.01	<10	<10	47	<10	669
G279702		<20	<0.01	<10	<10	30	<10	374
G279703		<20	<0.01	<10	<10	17	<10	214
G279704		<20	<0.01	<10	<10	14	<10	195
G279705		<20	<0.01	<10	<10	13	<10	126
G279706		<20	<0.01	<10	<10	16	<10	202
G279707		<20	<0.01	<10	<10	9	<10	131
G279708		<20	<0.01	<10	<10	9	<10	156
G279709		<20	<0.01	<10	<10	5	<10	166
G279710		<20	<0.01	<10	10	2	<10	13
G279711		<20	<0.01	<10	<10	11	<10	166
G279712		<20	<0.01	<10	<10	4	<10	33
G279713		<20	<0.01	<10	<10	17	<10	146
G279714		<20	<0.01	<10	<10	9	<10	108
G279715		<20	<0.01	<10	<10	10	<10	105
G279716		<20	<0.01	<10	<10	8	<10	89
G279717		<20	<0.01	<10	<10	20	<10	164
G279718		<20	<0.01	<10	<10	23	<10	208



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**CERTIFICATE TR12208564**

Project: CMV12-01  
 P.O. No.: CMV12-01\_55  
 This report is for 28 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
---------------------------	---------------------------	----------------

<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
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12208564**

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
G279719		1.85	0.051	0.7	0.36	20	<10	150	<0.5	2	5.30	2.2	8	7	44	2.82
G279720		0.08	0.736	2.4	0.69	27	<10	50	<0.5	<2	1.98	<0.5	8	33	7470	6.87
G279721		2.96	0.067	1.2	0.44	22	<10	220	<0.5	<2	6.35	1.9	9	9	64	2.85
G279722		5.15	0.073	0.9	0.36	28	<10	170	<0.5	<2	5.82	2.3	8	7	47	2.68
G279723		2.62	0.064	1.0	0.34	53	<10	130	<0.5	2	4.92	1.5	5	14	31	2.76
G279724		5.18	0.070	1.2	0.29	105	<10	110	<0.5	<2	4.31	2.2	9	8	47	2.80
G279725			0.070	1.2	0.31	100	<10	130	<0.5	<2	4.34	2.1	9	8	46	2.77
G279726		4.00	0.072	0.8	0.24	94	<10	80	<0.5	<2	4.73	<0.5	7	7	22	2.48
G279727		2.48	0.049	1.0	0.31	71	<10	110	<0.5	<2	4.79	2.0	6	11	34	2.67
G279728		2.47	0.075	1.1	0.33	154	<10	110	<0.5	<2	5.12	0.8	11	12	51	2.93
G279729		3.69	0.090	0.2	0.10	1025	<10	30	<0.5	<2	8.5	<0.5	40	102	20	3.03
G279730		0.68	<0.005	<0.2	0.01	<2	30	160	<0.5	<2	20.3	<0.5	<1	<1	<1	0.04
G279731		4.04	0.094	<0.2	0.05	901	<10	20	<0.5	<2	7.42	<0.5	35	101	14	2.99
G279732		4.41	0.160	<0.2	0.07	859	<10	20	<0.5	<2	7.6	<0.5	31	79	14	3.15
G279733		4.44	0.047	<0.2	0.05	739	<10	20	<0.5	<2	8.1	<0.5	29	69	9	2.75
G279734		2.21	0.051	<0.2	0.09	385	<10	30	<0.5	<2	5.29	<0.5	16	47	3	2.44
G279735		3.00	0.202	<0.2	0.15	337	<10	50	<0.5	<2	5.54	<0.5	14	33	3	3.10
G279736		1.58	0.195	0.2	0.11	299	<10	30	<0.5	2	5.90	<0.5	11	30	8	2.75
G279737		1.47	0.106	1.5	0.19	104	<10	50	<0.5	<2	3.40	5.7	6	12	39	2.27
G279738		2.37	0.155	0.8	1.19	135	<10	70	0.5	<2	2.78	4.6	8	25	71	3.02
G279739		3.82	0.210	0.9	1.08	196	<10	70	0.5	<2	3.22	1.2	10	22	91	3.19
G279740		0.08	1.985	0.4	2.29	10	<10	80	<0.5	<2	0.67	<0.5	9	31	672	4.41
G279741		2.83	<0.005	<0.2	1.17	22	<10	120	<0.5	<2	0.89	<0.5	10	13	20	2.95
G279742		2.03	0.019	<0.2	0.96	146	<10	90	<0.5	2	0.62	<0.5	13	8	28	3.47
G279743		4.21	<0.005	<0.2	2.17	6	<10	90	0.6	<2	0.44	<0.5	14	17	43	4.39
G279744		5.19	0.184	<0.2	0.58	461	<10	80	<0.5	<2	0.66	<0.5	12	8	24	3.30
G279745		1.54	<0.005	0.2	2.10	4	<10	70	0.6	<2	0.30	<0.5	10	20	36	4.29
G279746		3.03	<0.005	0.2	1.19	<2	<10	70	0.5	<2	1.08	<0.5	8	17	25	2.64



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12208564**

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
G279719		<10	<1	0.18	<10	2.45	443	12	0.02	37	970	10	1.21	17	4	223
G279720		<10	2	0.29	<10	0.94	966	8	0.05	18	670	25	2.83	28	3	68
G279721		<10	<1	0.22	<10	3.10	484	15	0.01	43	810	15	1.17	24	6	229
G279722		<10	<1	0.19	<10	2.81	495	14	<0.01	44	770	14	1.19	18	5	232
G279723		<10	<1	0.15	<10	2.37	533	8	0.01	38	500	47	0.96	14	5	178
G279724		<10	<1	0.14	<10	2.03	435	38	<0.01	68	320	14	1.51	15	5	151
G279725		<10	<1	0.15	<10	2.00	436	38	<0.01	69	320	15	1.49	15	5	149
G279726		<10	<1	0.10	<10	2.22	580	2	<0.01	38	350	10	0.93	8	5	166
G279727		<10	<1	0.14	<10	2.25	532	38	<0.01	59	1130	15	1.55	16	4	167
G279728		<10	<1	0.14	<10	2.39	550	13	<0.01	96	650	23	1.33	15	5	189
G279729		<10	<1	0.03	<10	4.47	688	<1	<0.01	735	30	12	0.79	30	4	409
G279730		<10	<1	<0.01	<10	13.15	413	<1	0.01	1	50	6	0.01	<2	<1	179
G279731		<10	<1	0.02	<10	3.86	657	<1	<0.01	652	<10	10	0.74	29	2	353
G279732		<10	<1	0.02	<10	3.81	796	<1	<0.01	564	<10	34	0.74	25	3	302
G279733		<10	<1	0.02	<10	3.88	896	<1	<0.01	600	<10	80	0.36	24	3	302
G279734		<10	<1	0.03	<10	2.55	637	<1	<0.01	262	<10	23	0.28	11	3	194
G279735		<10	<1	0.07	<10	2.60	666	<1	0.01	110	30	26	0.93	3	7	187
G279736		<10	<1	0.04	<10	2.84	772	2	0.01	109	90	110	0.70	6	5	220
G279737		<10	<1	0.07	<10	1.64	433	6	<0.01	41	280	391	1.18	14	4	114
G279738		<10	<1	0.11	<10	2.45	547	9	<0.01	48	500	141	1.66	18	6	118
G279739		<10	<1	0.10	<10	2.45	603	6	<0.01	53	450	102	1.98	37	6	126
G279740		10	<1	0.14	10	0.97	813	8	0.08	22	700	11	0.10	2	6	33
G279741		<10	<1	0.30	20	0.79	275	<1	0.01	21	540	15	0.40	<2	3	44
G279742		<10	<1	0.25	10	0.89	174	<1	0.01	29	590	14	2.02	7	2	45
G279743		<10	<1	0.27	40	1.16	308	<1	<0.01	37	840	25	0.24	2	3	43
G279744		<10	<1	0.28	10	0.50	162	<1	0.01	26	430	13	2.90	9	2	46
G279745		<10	<1	0.25	30	1.32	292	<1	<0.01	31	660	27	0.11	2	2	30
G279746		<10	<1	0.24	20	0.51	372	<1	<0.01	23	500	22	0.23	2	2	26





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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12208564**

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
G279719		<20	<0.01	<10	<10	16	<10	161
G279720		<20	0.04	<10	10	44	<10	110
G279721		<20	<0.01	<10	<10	25	<10	205
G279722		<20	<0.01	<10	<10	20	<10	215
G279723		<20	<0.01	<10	<10	25	<10	297
G279724		<20	<0.01	<10	10	27	<10	326
G279725		<20	<0.01	<10	<10	29	<10	325
G279726		<20	<0.01	<10	<10	13	<10	126
G279727		<20	<0.01	<10	<10	43	<10	336
G279728		<20	<0.01	<10	10	20	<10	180
G279729		<20	<0.01	<10	<10	15	<10	45
G279730		<20	<0.01	<10	<10	2	<10	54
G279731		<20	<0.01	<10	<10	14	<10	32
G279732		<20	<0.01	<10	<10	14	<10	102
G279733		<20	<0.01	<10	<10	14	<10	138
G279734		<20	<0.01	<10	<10	13	<10	62
G279735		<20	<0.01	<10	<10	18	<10	65
G279736		<20	<0.01	<10	<10	17	<10	146
G279737		<20	<0.01	<10	<10	13	<10	1565
G279738		<20	<0.01	<10	<10	57	<10	1045
G279739		<20	<0.01	<10	<10	48	<10	352
G279740		<20	0.15	<10	<10	65	<10	92
G279741		<20	<0.01	<10	<10	8	<10	69
G279742		<20	<0.01	<10	<10	6	<10	82
G279743		20	<0.01	<10	<10	19	<10	118
G279744		<20	<0.01	<10	<10	7	<10	75
G279745		<20	<0.01	<10	<10	21	<10	108
G279746		<20	<0.01	<10	<10	14	<10	75



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**CERTIFICATE TR12208566**

Project: CMV12-01  
 P.O. No.: CMV12-01\_57  
 This report is for 65 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
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 TR12208566**

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
G279747		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G279748		3.59	0.007		<0.2	0.49	49	<10	680	<0.5	<2	0.29	<0.5	7	13	33
G279749		1.88	0.006		<0.2	0.50	27	<10	360	<0.5	<2	0.34	<0.5	4	10	35
G279750		4.08	<0.005		<0.2	0.51	15	<10	520	<0.5	<2	0.28	<0.5	4	16	33
G279751		0.54	<0.005		<0.2	0.01	<2	10	60	<0.5	<2	21.3	<0.5	<1	<1	<1
G279752		1.06	<0.005		<0.2	0.19	18	<10	180	<0.5	<2	0.40	<0.5	2	17	16
G279753		3.23	<0.005		<0.2	1.01	26	<10	450	<0.5	<2	2.01	<0.5	11	12	12
G279754		1.90	<0.005		<0.2	1.16	8	<10	230	<0.5	<2	0.90	<0.5	5	12	1
G279755		2.18	<0.005		<0.2	3.52	21	<10	150	<0.5	<2	5.40	<0.5	35	84	6
G279756		2.04	<0.005		<0.2	0.64	11	<10	110	<0.5	<2	1.02	<0.5	4	23	51
G279757		3.44	0.007		0.2	2.50	50	<10	200	<0.5	<2	5.51	<0.5	32	101	45
G279758		1.39	0.015		<0.2	0.87	47	<10	350	<0.5	<2	10.1	<0.5	16	16	1
G279759		3.56	<0.005		<0.2	3.24	3	<10	190	<0.5	<2	5.74	<0.5	37	88	1
G279760		3.45	0.012		<0.2	2.64	10	<10	150	<0.5	<2	4.82	<0.5	31	70	<1
G279761		0.08	3.44		3.7	1.46	269	<10	520	<0.5	<2	1.36	1.6	9	56	73
G279762		4.15	0.059		<0.2	0.62	96	<10	210	<0.5	<2	4.92	<0.5	33	12	47
G279763		2.41	0.091		<0.2	0.42	76	<10	250	<0.5	<2	4.04	<0.5	16	3	57
G279764		1.36	0.026		<0.2	0.61	98	<10	260	<0.5	<2	5.66	<0.5	29	14	61
G279765		2.80	0.006		<0.2	0.33	33	<10	350	<0.5	<2	0.91	<0.5	6	9	70
G279766		3.23	0.027		<0.2	0.24	46	<10	240	<0.5	<2	1.66	0.5	3	11	39
G279767		3.03	0.006		<0.2	0.49	171	<10	220	<0.5	<2	5.49	<0.5	29	39	78
G279768		3.90	0.034		<0.2	1.06	171	<10	120	<0.5	<2	7.5	<0.5	38	66	49
G279769		2.00	0.008		<0.2	2.72	92	<10	50	<0.5	<2	6.86	<0.5	34	137	72
G279770		1.66	<0.005		<0.2	4.34	6	<10	60	<0.5	<2	4.71	<0.5	48	306	32
G279771		0.69	<0.005		<0.2	0.07	<2	10	60	<0.5	2	20.5	<0.5	1	<1	1
G279772		1.60	0.166		<0.2	1.21	219	<10	110	0.5	<2	6.60	<0.5	36	63	61
G279773		4.17	0.693		0.8	0.95	681	<10	100	0.5	<2	7.9	<0.5	40	44	110
G279774		4.22	0.576		0.6	1.04	799	<10	100	0.6	<2	7.3	<0.5	40	39	100
G279775		0.92	1.155		1.2	1.63	1200	<10	70	1.1	<2	4.96	5.8	36	20	44
G279776		0.92	0.999		1.1	1.58	1160	<10	70	1.0	<2	5.03	4.1	35	19	47
G279777		3.24	0.829		<0.2	0.55	916	<10	130	0.5	<2	12.3	0.8	30	3	11
G279778		3.31	0.677		<0.2	0.44	519	<10	110	<0.5	2	14.3	0.5	26	4	4
G279779		2.61	1.130		0.2	0.35	986	<10	110	<0.5	<2	12.9	1.0	32	<1	6
G279780		2.61	0.868		<0.2	0.50	824	<10	50	<0.5	<2	5.50	<0.5	21	6	22
G279781		0.08	9.65	9.80	0.5	1.52	3990	<10	60	0.5	<2	0.84	<0.5	15	71	65
G279782		1.43	0.816		<0.2	0.45	962	<10	140	<0.5	<2	8.1	<0.5	33	12	14
G279783		2.20	0.975		<0.2	0.53	1170	<10	160	<0.5	<2	10.6	0.5	32	13	31
G279784		3.06	0.313		<0.2	0.68	359	<10	170	<0.5	<2	8.4	<0.5	35	44	94
G279785		3.10	0.100		<0.2	0.69	253	<10	200	<0.5	<2	8.3	<0.5	37	73	57
G279786		2.23	0.025		<0.2	1.93	112	<10	150	1.0	<2	6.32	0.5	32	67	29
G279787		3.21	0.012		<0.2	1.90	66	<10	190	0.8	<2	6.51	<0.5	33	47	100



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12208566**

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
G279747		1.77	<10	<1	0.14	10	0.32	337	<1	0.02	34	230	19	0.41	<2	2
G279748		1.86	<10	<1	0.07	<10	0.39	255	<1	0.02	30	80	21	0.36	3	2
G279749		1.35	<10	<1	0.10	10	0.32	175	<1	0.02	23	80	5	0.17	<2	2
G279750		0.03	<10	<1	0.01	<10	12.80	500	<1	0.02	<1	40	<2	0.01	<2	<1
G279751		1.24	<10	<1	0.03	<10	0.22	211	<1	0.01	11	20	12	0.34	<2	1
G279752		2.73	<10	<1	0.12	10	1.45	568	<1	0.03	27	190	8	0.21	2	6
G279753		1.94	<10	<1	0.07	10	1.03	239	<1	0.02	17	100	4	0.18	<2	3
G279754		7.02	10	<1	0.05	<10	4.26	1485	<1	0.02	58	550	2	0.19	2	26
G279755		1.73	<10	<1	0.03	<10	0.77	276	1	0.01	20	50	3	0.14	2	2
G279756		5.93	10	<1	0.10	<10	3.66	1275	<1	0.03	84	460	10	0.51	2	19
G279757		6.56	<10	1	0.15	<10	3.70	2200	<1	0.03	27	1580	<2	0.32	<2	11
G279758		7.29	10	<1	0.09	<10	3.81	1505	<1	0.04	61	590	<2	0.04	<2	24
G279759		6.35	10	<1	0.07	<10	3.47	1375	<1	0.06	48	600	2	0.20	<2	23
G279760		3.35	<10	5	0.14	10	0.81	464	12	0.07	40	760	289	0.64	28	4
G279761		7.01	<10	1	0.14	<10	2.99	1455	<1	0.09	35	710	2	0.70	2	19
G279762		7.00	<10	<1	0.11	<10	2.45	1240	<1	0.07	3	1280	<2	0.54	2	8
G279763		5.89	<10	<1	0.13	<10	2.99	1245	<1	0.07	44	650	<2	0.23	2	14
G279764		1.62	<10	<1	0.12	10	0.49	276	<1	0.02	21	70	<2	0.15	2	3
G279765		2.72	<10	<1	0.09	<10	0.79	411	<1	0.01	16	180	26	1.28	5	3
G279766		4.72	<10	<1	0.14	10	3.01	978	<1	0.05	121	420	2	0.09	8	15
G279767		5.92	<10	<1	0.11	<10	3.99	1195	<1	0.07	123	530	<2	0.28	4	27
G279768		6.00	10	<1	0.07	<10	3.74	1390	<1	0.04	74	540	<2	0.72	<2	27
G279769		7.37	10	1	0.04	<10	5.35	1285	<1	0.02	199	430	2	0.07	<2	24
G279770		0.06	<10	<1	0.05	<10	12.25	430	<1	0.02	<1	70	<2	<0.01	<2	<1
G279771		5.52	<10	<1	0.16	<10	2.99	1085	<1	0.03	123	340	3	0.43	4	17
G279772		6.13	<10	<1	0.20	<10	3.62	1160	<1	0.03	123	280	16	3.14	19	18
G279773		6.11	<10	<1	0.18	<10	3.83	1230	<1	0.02	86	220	17	2.94	11	23
G279774		9.52	10	<1	0.16	<10	2.91	1020	<1	0.02	53	420	308	8.48	24	25
G279775		8.96	<10	<1	0.16	<10	2.88	1035	<1	0.02	49	470	224	7.67	21	25
G279776		8.78	<10	<1	0.16	<10	5.06	1795	<1	0.02	35	380	27	4.71	9	27
G279777		8.25	<10	<1	0.13	<10	6.22	1805	<1	0.02	26	410	24	3.29	5	27
G279778		10.00	<10	<1	0.14	<10	5.56	1685	<1	0.02	33	380	52	6.15	8	28
G279779		7.15	<10	<1	0.27	<10	2.40	774	1	0.02	68	150	17	6.62	5	9
G279780		3.52	10	<1	0.17	10	0.90	395	6	0.07	64	500	6	0.91	34	5
G279781		6.73	<10	<1	0.22	<10	3.67	1160	<1	0.01	67	60	7	4.23	4	20
G279782		7.50	<10	<1	0.23	<10	4.87	1590	<1	0.02	62	270	17	4.28	11	25
G279783		6.12	<10	1	0.25	<10	3.84	1230	1	0.02	118	840	7	3.50	9	21
G279784		5.06	<10	<1	0.25	<10	3.60	1100	<1	0.02	139	750	3	1.65	2	23
G279785		6.99	<10	<1	0.20	10	3.62	1005	<1	0.02	80	1070	2	0.96	3	23
G279786		6.17	<10	<1	0.25	10	3.61	997	2	0.02	63	1180	4	0.47	4	25



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12208566**

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
G279747		12	<20	<0.01	<10	<10	9	<10	126
G279748		13	<20	<0.01	<10	<10	6	<10	83
G279749		9	<20	<0.01	<10	<10	6	<10	43
G279750		156	<20	<0.01	<10	10	2	<10	9
G279751		10	<20	<0.01	<10	<10	3	<10	33
G279752		40	<20	<0.01	<10	<10	15	<10	66
G279753		26	<20	<0.01	<10	<10	12	<10	26
G279754		96	<20	<0.01	<10	<10	192	<10	76
G279755		17	<20	<0.01	<10	<10	34	<10	33
G279756		117	<20	<0.01	<10	<10	104	<10	119
G279757		250	<20	<0.01	<10	<10	34	<10	48
G279758		100	<20	<0.01	<10	<10	156	<10	76
G279759		100	<20	<0.01	<10	<10	150	<10	58
G279760		35	<20	0.10	<10	<10	62	<10	281
G279761		143	<20	<0.01	<10	<10	30	<10	66
G279762		129	<20	<0.01	<10	<10	10	<10	61
G279763		135	<20	<0.01	<10	<10	37	<10	89
G279764		21	<20	<0.01	<10	<10	8	<10	47
G279765		59	<20	<0.01	<10	<10	16	<10	121
G279766		117	<20	<0.01	<10	<10	19	<10	45
G279767		157	<20	<0.01	<10	<10	33	<10	53
G279768		94	<20	0.01	<10	<10	154	<10	67
G279769		116	<20	<0.01	<10	<10	166	<10	106
G279770		220	<20	<0.01	<10	<10	5	<10	16
G279771		148	<20	<0.01	<10	<10	41	<10	66
G279772		227	<20	<0.01	<10	<10	42	<10	86
G279773		277	<20	<0.01	<10	<10	48	<10	84
G279774		196	<20	<0.01	<10	<10	77	<10	1540
G279775		191	<20	<0.01	<10	<10	75	<10	1040
G279776		408	<20	<0.01	<10	<10	40	<10	120
G279777		523	<20	<0.01	<10	<10	36	<10	38
G279778		452	<20	<0.01	<10	<10	41	<10	161
G279779		207	<20	<0.01	<10	<10	28	<10	30
G279780		40	<20	0.11	<10	<10	52	40	52
G279781		271	<20	<0.01	<10	<10	32	<10	22
G279782		432	<20	<0.01	<10	<10	45	<10	66
G279783		283	<20	<0.01	<10	<10	42	<10	47
G279784		218	<20	<0.01	<10	<10	46	<10	37
G279785		176	<20	<0.01	<10	<10	70	<10	76
G279786		170	<20	<0.01	<10	<10	76	<10	63



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**CERTIFICATE OF ANALYSIS TR12208566**

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
G279787		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G279788		3.65	0.006		<0.2	2.42	72	<10	220	0.7	<2	6.55	<0.5	38	25	77
G279789		3.89	0.006		<0.2	2.43	56	<10	120	0.9	<2	5.25	<0.5	29	30	57
G279790		2.58	0.018		<0.2	1.76	126	<10	150	0.8	<2	6.37	<0.5	34	47	62
G279791		0.55	<0.005		<0.2	0.04	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G279792		2.45	0.580		<0.2	2.01	357	<10	50	0.8	2	1.36	<0.5	2	3	22
G279793		2.89	0.007		<0.2	3.20	22	<10	90	1.0	3	5.07	<0.5	30	92	64
G279794		1.98	0.008		<0.2	1.90	59	<10	150	0.7	2	5.30	<0.5	26	63	50
G279795		4.13	0.146		<0.2	1.72	567	<10	190	0.6	3	6.70	<0.5	35	65	59
G279796		1.25	0.749		<0.2	0.89	1220	<10	60	<0.5	<2	5.88	0.7	24	18	129
G279797		3.97	0.128		<0.2	1.27	318	10	170	0.6	<2	7.8	<0.5	34	44	57
G279798		3.52	0.085		<0.2	2.30	412	<10	130	0.6	3	6.26	<0.5	33	32	88
G279799		3.35	0.053		<0.2	2.22	305	<10	150	0.9	2	5.61	<0.5	33	42	19
G279800		1.65	0.373		0.3	0.62	1575	10	60	<0.5	2	3.95	<0.5	23	9	55
G279801		0.08	0.253		0.8	0.41	453	<10	840	<0.5	2	1.04	<0.5	2	41	41
G279802		1.67	1.025		<0.2	0.53	1865	<10	70	<0.5	3	9.8	<0.5	21	10	17
G279803		4.33	0.671		<0.2	0.75	1005	10	30	<0.5	<2	3.07	<0.5	32	10	33
G279804		2.19	0.572		<0.2	0.65	680	<10	40	0.5	3	2.94	<0.5	26	7	31
G279805		3.78	0.615		<0.2	0.75	599	10	40	0.5	<2	3.27	<0.5	24	7	28
G279806		5.47	0.490		0.2	0.58	443	<10	60	<0.5	3	3.03	<0.5	18	7	31
G279807		3.76	0.285		<0.2	0.51	446	<10	60	<0.5	<2	1.39	<0.5	13	10	23
G279808		4.37	0.427		<0.2	0.70	644	<10	80	<0.5	2	1.89	<0.5	14	11	24
G279809		3.30	0.026		<0.2	0.50	68	<10	140	<0.5	<2	1.21	<0.5	8	12	15
G279810		2.86	0.043		<0.2	0.48	41	<10	130	<0.5	2	1.03	<0.5	8	12	15
G279811		0.63	<0.005		<0.2	0.03	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G279811		2.68	0.029		<0.2	0.56	37	<10	120	<0.5	<2	1.14	<0.5	11	10	20



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**CERTIFICATE OF ANALYSIS TR12208566**

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																
G279787		6.71	<10	<1	0.14	10	4.16	1080	<1	0.02	48	920	7	0.43	<2	27
G279788		6.01	<10	<1	0.16	20	3.35	892	5	0.02	42	750	4	0.24	5	21
G279789		5.29	<10	<1	0.21	10	3.65	1080	<1	0.03	62	780	5	0.33	6	29
G279790		0.06	<10	<1	0.01	<10	1.93	24	<1	0.02	1	50	<2	0.08	3	<1
G279791		4.93	10	<1	0.06	10	1.14	304	9	0.03	4	20	4	3.94	4	1
G279792		5.91	10	1	0.11	10	4.02	1205	1	0.02	59	900	2	0.20	3	27
G279793		4.93	<10	<1	0.21	10	2.93	1015	1	0.02	83	970	3	0.37	5	23
G279794		6.63	<10	<1	0.23	<10	3.81	1270	<1	0.03	104	570	4	1.92	8	25
G279795		8.41	<10	<1	0.18	<10	2.98	1150	<1	0.02	76	1240	11	7.28	12	15
G279796		6.00	<10	<1	0.23	<10	3.29	1265	<1	0.03	79	950	6	1.65	7	28
G279797		6.79	10	<1	0.18	10	3.58	1190	<1	0.02	49	1590	3	2.09	5	24
G279798		6.31	<10	<1	0.18	10	3.42	1005	<1	0.03	79	1140	4	1.00	8	24
G279799		5.72	<10	<1	0.22	<10	1.84	710	2	0.02	37	580	7	5.31	14	13
G279800		3.73	<10	4	0.10	10	0.03	70	13	0.03	16	150	14	0.25	28	1
G279801		8.87	<10	1	0.20	<10	4.49	1535	<1	0.02	56	410	7	7.67	8	14
G279802		7.07	<10	<1	0.48	10	1.29	444	<1	0.02	114	990	11	7.92	2	7
G279803		6.33	<10	<1	0.45	20	1.21	456	1	0.02	73	1370	14	6.98	3	6
G279804		5.94	<10	<1	0.49	20	1.34	509	1	0.02	69	1510	13	6.32	3	7
G279805		5.56	<10	1	0.33	10	1.20	474	1	0.02	48	1670	13	5.74	3	6
G279806		4.05	<10	<1	0.32	10	0.55	243	<1	0.02	34	440	9	3.91	2	3
G279807		4.17	<10	<1	0.36	10	0.76	345	<1	0.02	37	650	11	3.82	6	4
G279808		1.79	<10	<1	0.28	10	0.49	240	<1	0.02	15	240	13	1.02	4	2
G279809		2.18	<10	<1	0.29	10	0.51	244	<1	0.02	18	260	42	1.61	3	2
G279810		0.04	<10	<1	0.01	<10	1.88	21	<1	0.02	<1	50	<2	0.06	<2	<1
G279811		2.81	<10	<1	0.32	10	0.59	262	<1	0.02	23	330	16	2.51	4	2



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**CERTIFICATE OF ANALYSIS TR12208566**

Sample Description	Method Analyte Units LOR	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
G279787		212	<20	<0.01	<10	<10	85	<10	65
G279788		151	<20	<0.01	<10	<10	60	<10	75
G279789		232	<20	<0.01	<10	<10	63	<10	81
G279790		5000	<20	<0.01	<10	10	1	<10	<2
G279791		97	<20	<0.01	<10	<10	2	<10	93
G279792		152	<20	<0.01	<10	<10	87	<10	94
G279793		167	<20	<0.01	<10	<10	57	<10	100
G279794		214	<20	<0.01	<10	<10	60	<10	88
G279795		214	<20	<0.01	<10	<10	29	<10	145
G279796		188	<20	<0.01	<10	<10	55	<10	99
G279797		185	<20	<0.01	<10	<10	80	<10	69
G279798		173	<20	<0.01	<10	<10	58	<10	89
G279799		127	<20	<0.01	<10	<10	20	<10	67
G279800		81	<20	0.01	10	<10	29	<10	22
G279801		358	<20	<0.01	<10	<10	28	<10	31
G279802		125	<20	<0.01	<10	<10	20	<10	24
G279803		145	20	<0.01	<10	<10	18	<10	30
G279804		171	<20	<0.01	<10	<10	22	<10	30
G279805		149	<20	<0.01	<10	<10	15	<10	23
G279806		63	<20	<0.01	<10	<10	10	<10	21
G279807		87	<20	<0.01	<10	<10	13	<10	27
G279808		54	<20	<0.01	<10	<10	8	<10	53
G279809		46	<20	<0.01	<10	<10	7	<10	106
G279810		5350	<20	<0.01	<10	<10	1	<10	<2
G279811		62	<20	<0.01	<10	<10	8	<10	58





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**CERTIFICATE TR12208565**

Project: CMV12-01  
 P.O. No.: CMV12-01\_58  
 This report is for 66 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
---------------------------	---------------------------	----------------

<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 TR12208565**

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
G279812		0.99	0.033		<0.2	0.57	202	<10	380	<0.5	<2	7.3	<0.5	30	24	4
G279813		1.95	0.009		0.2	1.32	158	<10	240	<0.5	<2	6.14	<0.5	38	45	70
G279814		3.98	<0.005		<0.2	2.85	40	<10	60	<0.5	<2	5.91	<0.5	36	84	67
G279815		3.02	0.082		1.6	2.15	85	<10	90	<0.5	<2	6.51	<0.5	37	74	100
G279816		1.33	0.058		0.5	0.75	258	<10	140	<0.5	<2	9.2	<0.5	40	35	40
G279817		1.58	0.144		0.7	0.58	315	<10	210	<0.5	<2	8.0	<0.5	38	45	51
G279818		1.39	0.137		0.2	0.88	129	10	270	<0.5	<2	2.01	<0.5	6	20	27
G279819		1.29	0.111		0.3	0.13	205	<10	160	<0.5	<2	2.91	<0.5	7	4	16
G279820		0.08	0.766		2.3	0.66	27	<10	80	<0.5	<2	1.91	0.6	8	32	7100
G279821		3.46	0.119		<0.2	0.24	72	<10	390	<0.5	<2	1.25	<0.5	4	18	32
G279822		4.54	0.012		0.4	0.09	21	<10	210	<0.5	<2	0.55	<0.5	2	12	90
G279823		2.01	0.013		0.3	0.42	82	<10	500	<0.5	<2	2.31	<0.5	11	19	103
G279824		2.08	0.154		0.3	0.13	109	<10	180	<0.5	<2	0.84	<0.5	5	13	31
G279825			0.134		0.3	0.21	117	<10	290	<0.5	<2	0.85	<0.5	4	14	33
G279826		1.32	0.011		0.2	0.02	11	<10	30	<0.5	<2	1.40	<0.5	<1	14	6
G279827		2.41	1.845		1.1	0.34	474	<10	40	<0.5	2	1.91	<0.5	5	9	90
G279828		2.02	0.128		<0.2	0.11	70	<10	140	<0.5	<2	0.79	<0.5	2	23	19
G279829		3.15	0.104		0.2	1.32	157	<10	290	<0.5	<2	7.07	<0.5	38	55	63
G279830		0.07	9.90	10.00	0.6	1.50	4000	<10	60	0.5	<2	0.85	<0.5	15	70	65
G279831		4.86	<0.005		<0.2	1.42	63	<10	180	<0.5	<2	6.37	<0.5	39	92	102
G279832		3.07	0.015		<0.2	0.55	140	<10	360	<0.5	<2	6.53	<0.5	35	34	74
G279833		1.43	0.041		0.2	1.57	155	<10	190	<0.5	<2	6.38	<0.5	35	49	79
G279834		4.30	0.006		0.2	2.00	110	<10	90	<0.5	<2	6.66	<0.5	38	57	68
G279835		1.87	0.158		0.3	1.68	424	<10	140	0.5	<2	7.05	<0.5	48	120	100
G279836		2.53	1.475		2.2	0.98	1250	<10	70	0.5	<2	5.36	1.5	54	32	326
G279837		2.20	0.283		0.3	0.13	219	<10	20	<0.5	<2	1.68	<0.5	5	17	13
G279838		1.72	0.835		2.4	0.77	780	<10	70	0.8	<2	5.16	7.2	33	36	374
G279839		2.87	1.070		0.7	0.55	1225	<10	100	<0.5	<2	6.31	1.7	34	25	40
G279840		0.07	2.08		0.5	2.21	12	<10	80	<0.5	<2	0.66	<0.5	9	30	637
G279841		2.46	0.201		0.2	0.12	164	<10	20	<0.5	<2	1.20	<0.5	3	11	4
G279842		1.80	0.595		0.3	0.23	567	<10	50	<0.5	<2	2.84	<0.5	11	21	6
G279843		1.83	1.080		1.1	0.36	1155	<10	60	<0.5	<2	2.64	4.9	28	11	22
G279844		3.90	1.980		0.5	0.44	1700	<10	40	<0.5	<2	5.39	1.3	45	3	11
G279845		1.34	0.745		0.2	0.52	954	<10	60	<0.5	<2	5.01	<0.5	36	5	9
G279846		1.48	0.595		0.2	0.51	829	<10	60	<0.5	<2	3.44	<0.5	35	8	10
G279847		1.74	1.430		0.4	0.46	1405	<10	20	<0.5	<2	1.23	1.1	19	11	32
G279848		2.30	0.624		0.2	0.35	681	<10	50	<0.5	<2	3.08	<0.5	12	10	16
G279849		3.25	1.060		0.5	0.58	1150	<10	20	<0.5	<2	1.79	1.7	24	10	34
G279850		0.56	<0.005		<0.2	0.03	3	<10	10	<0.5	4	>25.0	<0.5	<1	<1	<1
G279851		4.43	0.429		0.2	0.63	713	10	220	<0.5	<2	10.4	<0.5	34	31	17



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**CERTIFICATE OF ANALYSIS TR12208565**

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	
G279812		5.43	<10	<1	0.19	<10	3.07	1190	<1	0.02	75	540	<2	0.48	<2	13
G279813		5.15	<10	<1	0.14	<10	3.48	1030	<1	0.05	126	480	<2	0.22	3	18
G279814		7.13	10	<1	0.06	<10	4.74	1195	<1	0.06	70	680	<2	0.31	<2	28
G279815		6.52	<10	<1	0.10	<10	4.28	1095	<1	0.05	99	690	<2	0.38	32	27
G279816		4.96	<10	<1	0.14	<10	4.27	1160	<1	0.05	124	150	<2	0.21	<2	31
G279817		5.05	<10	<1	0.16	<10	3.75	1060	<1	0.07	140	170	<2	0.66	3	23
G279818		2.01	<10	<1	0.34	<10	0.83	251	<1	0.03	31	50	<2	0.81	<2	5
G279819		2.80	<10	<1	0.05	<10	1.12	351	<1	0.01	45	20	<2	1.55	<2	3
G279820		6.62	<10	2	0.28	<10	0.88	895	7	0.06	15	620	23	2.72	26	3
G279821		1.85	<10	<1	0.10	<10	0.57	212	<1	0.01	18	50	<2	0.67	2	2
G279822		1.21	<10	<1	0.04	<10	0.35	180	2	0.01	12	50	9	0.34	6	2
G279823		2.52	<10	<1	0.09	<10	1.12	438	12	0.02	55	110	10	0.48	3	5
G279824		1.60	<10	<1	0.03	<10	0.34	200	13	0.01	23	40	2	0.91	4	1
G279825		1.73	<10	<1	0.06	<10	0.34	219	13	0.02	23	40	2	0.93	3	2
G279826		1.20	<10	<1	0.01	<10	0.53	293	<1	0.01	2	20	<2	0.13	<2	1
G279827		4.91	<10	<1	0.12	<10	0.94	532	<1	0.03	40	20	6	3.36	10	3
G279828		2.41	<10	<1	0.04	<10	0.33	306	<1	0.01	12	240	3	1.60	6	2
G279829		6.42	<10	<1	0.10	<10	3.60	1200	<1	0.09	131	490	<2	0.37	<2	22
G279830		3.57	10	<1	0.17	10	0.90	392	6	0.07	63	490	5	0.91	35	5
G279831		6.45	<10	<1	0.11	<10	4.04	1080	<1	0.12	110	570	<2	0.12	<2	26
G279832		5.91	<10	<1	0.19	<10	3.91	1235	<1	0.04	96	480	<2	0.15	<2	19
G279833		6.57	<10	<1	0.18	<10	3.45	1195	<1	0.05	68	510	<2	0.75	<2	27
G279834		7.25	<10	<1	0.14	<10	4.00	1290	<1	0.05	64	610	<2	0.17	<2	31
G279835		6.58	<10	<1	0.22	<10	4.18	1050	<1	0.03	232	240	2	0.99	2	21
G279836		8.12	<10	<1	0.13	<10	2.87	749	<1	0.02	60	120	82	5.90	18	15
G279837		2.24	<10	<1	0.04	<10	0.78	323	<1	0.01	18	<10	25	1.31	4	3
G279838		5.65	<10	<1	0.14	<10	2.41	837	<1	0.02	73	140	308	4.20	40	18
G279839		6.58	<10	<1	0.22	<10	2.82	888	<1	0.02	92	110	105	4.68	7	17
G279840		4.30	10	<1	0.15	10	0.93	781	8	0.08	20	670	12	0.10	<2	5
G279841		1.57	<10	<1	0.03	<10	0.59	222	<1	0.01	13	10	32	0.80	3	2
G279842		3.65	<10	<1	0.07	<10	1.36	471	<1	0.01	34	30	101	2.55	7	6
G279843		6.86	<10	<1	0.13	<10	1.24	463	<1	0.01	59	40	269	6.74	15	8
G279844		8.47	<10	<1	0.21	<10	2.31	880	<1	0.02	38	120	89	7.57	4	20
G279845		6.38	<10	<1	0.26	<10	2.12	973	<1	0.02	37	150	22	4.52	<2	18
G279846		4.59	<10	<1	0.26	<10	1.56	601	<1	0.01	68	70	32	3.66	3	10
G279847		7.93	<10	<1	0.24	<10	0.57	208	<1	0.01	68	50	64	8.87	2	5
G279848		4.80	<10	<1	0.16	<10	1.36	454	<1	0.01	38	130	28	4.02	2	6
G279849		7.39	<10	<1	0.32	<10	0.79	253	<1	0.02	78	120	90	8.15	4	6
G279850		0.05	<10	<1	<0.01	<10	1.80	29	<1	0.01	<1	50	<2	0.08	<2	<1
G279851		6.27	<10	<1	0.30	<10	4.40	1235	<1	0.02	88	380	8	2.64	2	25



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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
G279812		160	<20	<0.01	<10	<10	19	<10	43
G279813		123	<20	<0.01	<10	<10	32	<10	57
G279814		102	<20	<0.01	<10	<10	88	<10	69
G279815		150	<20	<0.01	<10	<10	63	<10	73
G279816		334	<20	<0.01	<10	<10	25	<10	37
G279817		267	<20	<0.01	<10	<10	26	<10	37
G279818		65	<20	<0.01	<10	<10	26	<10	14
G279819		111	<20	<0.01	<10	<10	6	<10	16
G279820		65	<20	0.04	<10	<10	42	<10	103
G279821		42	<20	<0.01	<10	<10	9	<10	21
G279822		19	<20	<0.01	<10	<10	7	<10	40
G279823		54	<20	<0.01	<10	<10	12	<10	40
G279824		27	<20	<0.01	<10	<10	6	<10	18
G279825		26	<20	<0.01	<10	<10	9	<10	19
G279826		44	<20	<0.01	<10	<10	4	<10	8
G279827		77	<20	<0.01	<10	<10	29	<10	32
G279828		26	<20	<0.01	<10	<10	11	<10	21
G279829		129	<20	<0.01	<10	<10	36	<10	78
G279830		40	<20	0.10	<10	<10	52	40	52
G279831		103	<20	<0.01	<10	<10	47	<10	83
G279832		141	<20	<0.01	<10	<10	23	<10	69
G279833		139	<20	<0.01	<10	<10	52	<10	60
G279834		147	<20	<0.01	<10	<10	68	<10	63
G279835		230	<20	<0.01	<10	<10	61	<10	51
G279836		226	<20	<0.01	<10	<10	45	<10	345
G279837		44	<20	<0.01	<10	<10	8	<10	41
G279838		175	<20	<0.01	<10	<10	52	<10	1985
G279839		211	<20	<0.01	<10	<10	30	<10	459
G279840		32	<20	0.15	<10	<10	64	<10	88
G279841		39	<20	<0.01	<10	<10	7	<10	65
G279842		92	<20	<0.01	<10	<10	15	<10	47
G279843		84	<20	<0.01	<10	<10	18	<10	1235
G279844		204	<20	<0.01	<10	<10	37	<10	281
G279845		179	<20	<0.01	<10	<10	43	<10	71
G279846		140	<20	<0.01	<10	<10	28	<10	93
G279847		40	<20	<0.01	<10	<10	26	<10	235
G279848		123	<20	<0.01	<10	<10	20	<10	42
G279849		56	<20	<0.01	<10	<10	21	<10	424
G279850		5120	<20	<0.01	<10	20	<1	<10	<2
G279851		310	<20	<0.01	<10	<10	43	<10	37



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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
G279852		3.15	0.306		<0.2	0.47	613	<10	230	<0.5	<2	9.9	<0.5	35	31	21
G279853		4.05	0.270		0.2	0.67	693	10	130	0.5	<2	10.5	<0.5	34	14	13
G279854		4.29	0.124		<0.2	0.60	333	<10	200	0.5	<2	9.8	<0.5	32	17	38
G279855		2.44	0.062		<0.2	0.67	241	10	180	<0.5	<2	9.7	<0.5	30	30	25
G279856		4.09	0.615		<0.2	0.59	1335	10	170	<0.5	<2	9.3	<0.5	33	22	11
G279857		3.13	0.774		<0.2	0.66	1510	10	120	0.5	<2	8.4	<0.5	37	27	26
G279858		3.52	0.139		<0.2	0.51	569	10	200	0.6	<2	10.8	<0.5	34	53	17
G279859		2.41	1.250		<0.2	0.84	2820	10	40	0.5	<2	5.92	<0.5	30	8	16
G279860		0.08	3.32		4.1	1.52	277	<10	390	<0.5	<2	1.40	1.5	9	57	76
G279861		2.58	0.971		0.2	0.69	1665	10	70	<0.5	<2	6.60	<0.5	20	2	19
G279862		2.20	1.440		<0.2	0.44	1860	<10	40	<0.5	<2	3.03	<0.5	9	3	7
G279863		3.25	1.160		<0.2	0.42	1250	<10	70	<0.5	<2	2.66	<0.5	3	4	8
G279864		1.29	1.470		0.2	0.28	2370	<10	80	<0.5	<2	5.67	<0.5	15	2	12
G279865		2.29	0.962		<0.2	0.54	1110	10	100	<0.5	<2	5.73	<0.5	9	<1	9
G279866		2.20	0.311		<0.2	0.25	347	<10	120	<0.5	<2	4.95	<0.5	<1	5	8
G279867		2.37	0.782		<0.2	0.49	842	<10	90	<0.5	<2	3.53	<0.5	2	4	9
G279868		3.34	0.791		<0.2	0.48	927	<10	60	<0.5	<2	3.05	<0.5	1	3	7
G279869		4.26	2.16		<0.2	0.70	4720	10	40	0.5	2	5.05	<0.5	18	<1	9
G279870		0.57	<0.005		<0.2	0.03	4	<10	10	<0.5	2	>25.0	<0.5	<1	<1	<1
G279871		4.34	1.235		0.2	0.49	1865	<10	40	<0.5	<2	3.02	<0.5	7	3	10
G279872		2.38	0.592		0.2	0.60	810	<10	90	<0.5	<2	2.32	<0.5	17	8	27
G279873		2.60	0.244		<0.2	0.56	276	<10	130	<0.5	<2	1.45	<0.5	12	9	22
G279874		1.75	0.019		<0.2	0.62	38	<10	100	<0.5	<2	0.72	<0.5	9	9	19
G279875		2.04	0.018		<0.2	0.71	36	<10	110	<0.5	<2	0.75	<0.5	8	11	15
G279876		2.85	0.010		<0.2	0.59	28	<10	80	<0.5	<2	1.15	<0.5	8	9	10
G279877		2.25	0.007		<0.2	0.74	28	<10	110	<0.5	<2	1.20	<0.5	8	12	10



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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	
G279852		5.48	<10	<1	0.28	<10	4.28	1130	<1	0.02	115	670	5	2.17	4	23
G279853		6.70	<10	<1	0.31	<10	4.46	1205	<1	0.02	52	450	7	3.18	5	27
G279854		5.72	<10	<1	0.27	<10	4.17	1125	<1	0.02	54	520	4	2.04	<2	28
G279855		5.18	<10	<1	0.25	<10	4.08	1110	<1	0.02	62	530	3	1.26	<2	22
G279856		5.94	<10	<1	0.30	<10	4.11	1295	<1	0.02	82	530	3	3.17	2	22
G279857		5.97	<10	<1	0.34	<10	3.52	982	<1	0.02	98	670	4	3.28	6	22
G279858		5.44	<10	<1	0.29	<10	4.44	1260	<1	0.02	126	610	<2	1.30	4	24
G279859		7.63	<10	<1	0.41	<10	2.72	1020	1	0.02	51	1750	8	7.41	7	18
G279860		3.43	<10	5	0.15	10	0.84	462	12	0.08	40	790	317	0.67	27	4
G279861		6.64	<10	<1	0.30	<10	2.88	1145	1	0.02	14	2130	6	4.99	4	12
G279862		6.63	<10	<1	0.22	<10	1.25	554	<1	0.02	8	660	8	6.55	3	6
G279863		5.97	<10	<1	0.19	<10	1.06	470	<1	0.02	7	440	4	5.31	3	2
G279864		7.41	<10	<1	0.15	<10	2.29	1000	1	0.01	7	2380	5	6.54	6	9
G279865		5.62	<10	<1	0.26	<10	2.39	821	3	0.02	4	1130	2	3.78	<2	6
G279866		3.90	<10	<1	0.12	<10	2.04	657	<1	0.02	1	230	<2	1.89	<2	1
G279867		5.30	<10	<1	0.23	<10	1.50	575	<1	0.02	6	70	3	4.26	<2	2
G279868		4.82	<10	<1	0.22	10	1.24	486	<1	0.02	4	370	4	4.03	<2	1
G279869		7.74	<10	<1	0.34	<10	2.24	1130	3	0.02	2	2320	7	7.69	8	10
G279870		0.06	<10	<1	<0.01	<10	1.73	36	<1	0.01	<1	50	<2	0.08	<2	<1
G279871		6.14	<10	<1	0.25	<10	1.32	658	<1	0.02	4	800	10	6.31	4	4
G279872		4.21	<10	<1	0.25	<10	0.97	429	<1	0.02	24	890	29	3.73	6	4
G279873		2.75	<10	<1	0.31	10	0.58	292	<1	0.02	23	280	13	2.04	<2	3
G279874		2.13	<10	<1	0.23	10	0.51	159	<1	0.01	17	270	12	1.16	<2	2
G279875		2.26	<10	<1	0.26	10	0.54	179	<1	0.01	17	270	11	1.08	2	2
G279876		2.08	<10	<1	0.18	10	0.65	278	<1	0.01	15	350	10	0.71	<2	2
G279877		2.74	<10	<1	0.25	10	0.73	304	<1	0.01	17	330	13	1.48	<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	
		Sr ppm 1	Th ppm 20	Ti % 0.01	Tl ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G279852		308	<20	<0.01	<10	<10	34	<10	22
G279853		295	<20	<0.01	<10	<10	47	<10	24
G279854		281	<20	<0.01	<10	<10	43	<10	23
G279855		243	<20	<0.01	<10	<10	40	<10	22
G279856		277	<20	<0.01	<10	<10	32	<10	26
G279857		202	<20	<0.01	<10	<10	34	<10	38
G279858		254	<20	<0.01	<10	<10	39	<10	45
G279859		176	<20	<0.01	<10	<10	27	<10	63
G279860		37	<20	0.10	<10	<10	62	<10	284
G279861		202	<20	<0.01	<10	<10	20	<10	93
G279862		94	<20	<0.01	<10	<10	9	<10	49
G279863		74	<20	<0.01	<10	<10	6	<10	49
G279864		206	<20	<0.01	<10	<10	13	<10	36
G279865		168	<20	<0.01	<10	<10	15	<10	35
G279866		139	<20	<0.01	<10	<10	9	<10	23
G279867		103	<20	<0.01	<10	<10	7	<10	18
G279868		91	<20	<0.01	<10	<10	5	<10	39
G279869		190	<20	<0.01	<10	<10	16	<10	47
G279870		4980	<20	<0.01	<10	20	<1	<10	<2
G279871		109	<20	<0.01	<10	<10	7	<10	62
G279872		100	<20	<0.01	<10	<10	12	<10	100
G279873		49	<20	<0.01	<10	<10	8	<10	73
G279874		27	<20	<0.01	<10	<10	6	<10	87
G279875		29	<20	<0.01	<10	<10	7	<10	90
G279876		34	<20	<0.01	<10	<10	6	<10	42
G279877		50	<20	<0.01	<10	<10	8	<10	54



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**CERTIFICATE TR12208567**

Project: CMV12-01  
 P.O. No.: CMV12-01\_59  
 This report is for 127 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
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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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**CERTIFICATE OF ANALYSIS TR12208567**

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
G279878		1.68	0.014		0.3	2.53	24	<10	350	3.1	<2	1.47	<0.5	21	200	39
G279879		2.40	<0.005		<0.2	2.68	15	<10	220	4.2	<2	3.21	<0.5	27	299	40
G279880		0.07	3.45		3.8	1.35	254	<10	310	<0.5	<2	1.23	1.6	9	52	72
G279881		3.68	<0.005		<0.2	2.81	20	<10	380	3.7	<2	3.50	<0.5	27	308	38
G279882		2.34	<0.005		<0.2	2.69	20	<10	240	4.2	<2	3.98	<0.5	26	285	41
G279883		3.40	0.023		0.3	1.02	46	<10	80	1.1	<2	2.34	1.2	8	16	74
G279884		3.13	0.084		0.6	1.17	86	<10	110	1.0	<2	3.23	5.3	12	21	92
G279885		1.93	0.040		0.6	1.95	88	<10	280	1.3	2	5.39	1.5	17	108	74
G279886		1.85	0.005		<0.2	0.77	31	<10	110	0.5	<2	4.77	0.5	5	28	3
G279887		3.46	0.037		0.3	1.28	91	<10	150	0.7	<2	4.06	1.0	10	20	111
G279888		2.05	0.042		1.4	1.38	85	<10	240	1.1	<2	2.54	1.5	11	51	84
G279889		3.50	0.027		<0.2	0.25	121	<10	120	<0.5	<2	4.42	0.8	10	23	8
G279890		0.63	<0.005		<0.2	0.03	2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G279891		3.58	0.012		<0.2	0.09	789	<10	40	<0.5	<2	4.20	<0.5	92	383	14
G279892		3.62	0.013		<0.2	0.14	140	<10	10	<0.5	<2	1.74	<0.5	89	549	6
G279893		4.59	0.009		<0.2	0.53	850	<10	30	<0.5	<2	1.26	<0.5	54	115	4
G279894		4.11	0.010		<0.2	0.02	868	<10	10	<0.5	<2	1.75	<0.5	90	140	6
G279895		4.39	0.013		<0.2	0.01	736	10	10	<0.5	<2	2.22	<0.5	84	146	3
G279896		2.99	0.011		<0.2	0.01	1465	10	<10	<0.5	<2	0.87	<0.5	80	141	3
G279897		4.00	0.011		<0.2	0.01	1500	20	10	<0.5	<2	0.94	<0.5	82	160	4
G279898		3.99	0.019		<0.2	<0.01	1230	40	10	<0.5	<2	2.81	<0.5	75	147	6
G279899		2.33	0.023		<0.2	0.01	1020	10	10	<0.5	<2	3.98	0.5	73	173	5
G279900		0.07	9.73	9.70	0.8	1.44	3890	<10	60	<0.5	3	0.80	<0.5	14	66	65
G279901		3.45	0.017		0.2	0.02	1365	30	10	<0.5	2	3.58	<0.5	72	162	6
G279902		4.65	0.005		<0.2	0.08	664	<10	10	<0.5	2	1.49	<0.5	85	371	2
G279903		4.95	0.007		<0.2	0.20	319	<10	10	<0.5	3	2.67	<0.5	81	672	3
G279904		4.58	0.051		<0.2	0.37	299	<10	10	<0.5	<2	1.72	<0.5	83	823	4
G279905		3.19	0.092		0.4	0.91	194	<10	90	0.5	2	9.6	<0.5	70	746	66
G279906		3.74	0.091		0.3	0.32	97	<10	480	<0.5	<2	2.77	0.5	10	11	49
G279907		2.90	0.016		<0.2	0.19	49	<10	240	<0.5	<2	1.59	<0.5	3	12	12
G279908		2.90	0.015		0.4	0.36	49	<10	450	<0.5	<2	1.57	<0.5	5	29	17
G279909		3.46	0.147		<0.2	0.84	110	<10	200	<0.5	2	7.17	<0.5	29	20	12
G279910		0.66	<0.005		<0.2	0.02	2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G279911		3.04	<0.005		0.2	1.38	34	<10	60	<0.5	2	6.30	<0.5	44	113	48
G279912		3.64	<0.005		<0.2	1.60	27	<10	120	<0.5	2	6.16	<0.5	35	78	63
G279913		4.13	<0.005		<0.2	1.35	46	<10	80	<0.5	2	5.85	<0.5	38	71	54
G279914		4.32	<0.005		<0.2	0.50	77	<10	120	<0.5	2	6.71	<0.5	31	19	53
G279915		3.02	0.008		<0.2	0.42	103	<10	230	<0.5	<2	6.24	<0.5	32	20	47
G279916		1.02	0.006		<0.2	0.37	84	<10	230	<0.5	<2	5.96	<0.5	20	21	8
G279917		4.83	<0.005		<0.2	1.28	26	<10	110	<0.5	2	7.02	<0.5	31	61	51



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**CERTIFICATE OF ANALYSIS TR12208567**

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
G279878		4.26	10	<1	0.47	40	2.83	645	1	0.03	99	1890	15	0.56	<2	7
G279879		4.43	10	<1	0.81	80	4.16	673	1	0.03	158	3270	16	0.66	<2	11
G279880		3.22	<10	5	0.13	10	0.79	427	11	0.06	37	750	292	0.61	24	4
G279881		4.41	10	1	0.86	80	4.31	691	1	0.04	161	3370	19	0.56	<2	11
G279882		4.30	10	1	0.81	70	3.81	708	1	0.04	140	3040	18	0.63	2	13
G279883		2.35	<10	<1	0.12	10	1.20	564	<1	0.01	67	370	9	0.80	2	3
G279884		3.01	<10	<1	0.16	10	1.48	798	23	<0.01	83	550	17	1.32	4	4
G279885		3.39	10	1	0.23	30	2.76	688	4	0.01	119	1440	16	0.92	7	8
G279886		2.09	<10	1	0.09	10	1.68	909	1	0.01	27	2080	4	0.14	<2	4
G279887		2.74	<10	1	0.16	10	2.08	646	1	0.01	74	730	8	0.86	6	7
G279888		2.70	<10	<1	0.17	20	2.37	520	15	0.01	82	980	21	0.75	6	6
G279889		2.48	<10	<1	0.12	10	2.15	705	14	0.01	69	610	12	0.52	4	4
G279890		0.05	<10	1	<0.01	<10	1.89	33	<1	0.01	<1	60	<2	0.08	<2	<1
G279891		4.46	<10	1	0.01	<10	10.90	633	<1	<0.01	1620	10	12	1.04	125	4
G279892		4.52	<10	<1	<0.01	<10	12.40	414	<1	<0.01	1485	10	2	1.05	<2	5
G279893		3.88	<10	1	0.06	<10	14.90	522	<1	0.01	927	150	4	0.48	15	8
G279894		4.21	<10	1	0.01	<10	14.80	386	<1	<0.01	1540	10	3	0.67	12	3
G279895		4.38	<10	<1	<0.01	<10	15.30	599	<1	<0.01	1360	10	4	0.40	17	3
G279896		4.46	<10	1	<0.01	<10	16.75	583	<1	<0.01	1285	10	8	0.30	44	3
G279897		4.36	<10	<1	<0.01	<10	17.15	546	<1	<0.01	1250	<10	6	0.19	48	3
G279898		3.99	<10	<1	<0.01	<10	16.05	619	<1	<0.01	1200	<10	11	0.17	37	2
G279899		4.04	<10	<1	0.01	<10	14.50	608	<1	<0.01	1150	<10	21	0.17	36	3
G279900		3.56	10	<1	0.16	10	0.90	379	5	0.06	61	480	6	0.89	36	5
G279901		4.11	<10	<1	0.01	<10	16.05	811	<1	<0.01	1170	<10	6	0.13	45	3
G279902		4.24	<10	<1	<0.01	<10	15.20	558	<1	<0.01	1390	<10	2	0.17	12	4
G279903		4.14	<10	<1	<0.01	<10	13.70	468	<1	<0.01	1420	10	6	0.13	<2	6
G279904		4.43	<10	<1	0.01	<10	14.75	763	<1	<0.01	1440	40	9	0.11	3	7
G279905		4.95	<10	<1	0.09	30	8.39	1730	1	0.01	1190	1240	60	0.38	11	10
G279906		2.05	<10	<1	0.12	<10	1.33	589	<1	0.01	48	120	64	0.43	2	3
G279907		1.41	<10	<1	0.06	<10	0.77	329	<1	<0.01	28	10	4	0.23	<2	2
G279908		1.58	<10	<1	0.12	10	0.84	311	<1	0.01	33	160	3	0.36	3	3
G279909		5.10	<10	<1	0.12	<10	3.42	1235	<1	0.02	69	340	3	0.42	<2	20
G279910		0.03	<10	<1	<0.01	<10	2.03	24	<1	0.01	<1	50	<2	0.05	<2	<1
G279911		5.50	<10	<1	0.10	<10	4.78	1090	<1	0.06	213	460	3	0.04	3	23
G279912		5.88	<10	<1	0.07	<10	4.22	1005	<1	0.08	83	570	2	0.02	<2	20
G279913		5.96	<10	<1	0.06	<10	5.15	1195	<1	0.07	118	490	<2	0.02	3	23
G279914		5.71	<10	<1	0.09	<10	3.30	1075	<1	0.08	46	520	2	0.18	3	23
G279915		5.83	<10	<1	0.14	<10	3.48	1100	<1	0.03	50	520	3	0.06	2	18
G279916		3.97	<10	<1	0.13	<10	2.24	886	<1	0.02	34	840	<2	0.07	<2	12
G279917		5.89	<10	<1	0.09	<10	3.44	1135	<1	0.07	51	540	<2	0.07	<2	23



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**CERTIFICATE OF ANALYSIS TR12208567**

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
G279878		131	20	0.13	<10	<10	91	<10	68
G279879		375	40	0.38	<10	<10	124	<10	56
G279880		33	<20	0.08	<10	<10	56	<10	268
G279881		440	50	0.39	<10	<10	125	<10	52
G279882		453	40	0.31	<10	<10	127	<10	56
G279883		237	<20	<0.01	<10	<10	19	<10	113
G279884		246	<20	<0.01	<10	<10	49	<10	349
G279885		259	<20	0.04	<10	<10	62	<10	138
G279886		123	<20	<0.01	<10	<10	21	<10	39
G279887		281	<20	<0.01	<10	<10	22	<10	119
G279888		117	<20	0.02	<10	<10	41	<10	112
G279889		193	<20	<0.01	<10	<10	15	<10	77
G279890		5340	<20	<0.01	<10	<10	<1	<10	<2
G279891		129	<20	<0.01	<10	<10	8	<10	41
G279892		34	<20	<0.01	<10	<10	12	<10	8
G279893		42	<20	<0.01	<10	<10	17	<10	21
G279894		47	<20	<0.01	<10	<10	4	<10	3
G279895		55	<20	<0.01	<10	<10	2	<10	2
G279896		33	<20	<0.01	<10	<10	2	<10	10
G279897		47	<20	<0.01	<10	<10	3	<10	10
G279898		226	<20	<0.01	<10	<10	4	<10	18
G279899		320	<20	<0.01	<10	<10	5	<10	76
G279900		38	<20	0.10	<10	<10	48	40	48
G279901		259	<20	<0.01	<10	<10	6	<10	29
G279902		35	<20	<0.01	<10	<10	9	<10	3
G279903		63	<20	<0.01	<10	<10	11	<10	13
G279904		68	<20	<0.01	<10	<10	20	<10	35
G279905		421	<20	<0.01	<10	<10	43	<10	91
G279906		99	<20	<0.01	<10	<10	8	<10	130
G279907		55	<20	<0.01	<10	<10	6	<10	28
G279908		60	<20	0.02	<10	<10	13	<10	59
G279909		245	<20	<0.01	<10	<10	24	<10	43
G279910		5060	<20	<0.01	<10	<10	1	<10	<2
G279911		88	<20	<0.01	<10	<10	47	<10	61
G279912		75	<20	<0.01	<10	<10	57	<10	66
G279913		77	<20	<0.01	<10	<10	47	<10	64
G279914		103	<20	<0.01	<10	<10	23	<10	63
G279915		129	<20	<0.01	<10	<10	17	<10	61
G279916		172	<20	<0.01	<10	<10	15	<10	31
G279917		94	<20	<0.01	<10	<10	51	<10	56



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**CERTIFICATE OF ANALYSIS TR12208567**

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
G279918		3.18	0.012		<0.2	1.07	32	<10	50	<0.5	2	5.42	<0.5	28	20	62
G279919		4.28	0.365		0.7	1.32	201	<10	100	0.5	3	7.24	<0.5	38	52	94
G279920		0.07	0.263		0.4	0.39	448	<10	500	<0.5	3	1.06	<0.5	3	41	39
G279921		2.39	0.134		0.3	0.22	177	<10	160	<0.5	<2	0.69	<0.5	5	8	34
G279922		1.90	0.076		0.3	0.20	74	<10	150	<0.5	<2	1.22	<0.5	3	7	31
G279923		2.88	0.043		<0.2	0.46	50	<10	250	<0.5	2	0.43	<0.5	5	10	51
G279924		1.61	0.050		0.2	1.21	118	<10	220	<0.5	2	4.05	<0.5	22	27	68
G279925			0.075		0.4	1.13	123	<10	170	<0.5	3	4.13	<0.5	23	26	71
G279926		4.63	0.121		0.2	1.20	234	<10	170	<0.5	2	7.20	<0.5	39	41	69
G279927		2.53	0.118		0.2	0.68	124	<10	210	<0.5	2	7.1	<0.5	32	40	77
G279928		2.22	0.015		0.2	0.93	183	<10	100	<0.5	<2	7.2	<0.5	35	44	82
G279929		4.94	0.005		<0.2	1.64	92	<10	100	<0.5	<2	7.7	<0.5	35	59	68
G279930		0.59	<0.005		<0.2	0.03	2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G279931		2.98	0.011		<0.2	1.92	46	<10	30	<0.5	<2	5.90	<0.5	33	121	62
G279932		3.09	<0.005		<0.2	2.81	20	<10	20	<0.5	2	5.12	<0.5	34	175	54
G279933		3.50	<0.005		<0.2	1.70	126	<10	30	<0.5	<2	6.35	<0.5	35	93	63
G279934		1.73	<0.005		<0.2	3.48	24	<10	40	<0.5	<2	4.10	<0.5	35	174	68
G279935		3.28	<0.005		<0.2	2.62	20	<10	20	<0.5	<2	4.34	<0.5	30	100	51
G279936		4.71	<0.005		<0.2	3.47	7	<10	20	<0.5	<2	3.96	<0.5	37	95	68
G279937		1.44	0.009		<0.2	2.24	130	<10	160	0.7	<2	6.07	<0.5	36	85	60
G279938		3.13	0.005		<0.2	3.00	271	<10	140	0.5	<2	6.37	<0.5	62	498	41
G279939		1.52	<0.005		<0.2	3.31	131	<10	30	<0.5	<2	5.91	<0.5	60	604	56
G279940		0.07	0.722		2.2	0.66	28	<10	60	<0.5	9	1.88	0.6	9	32	7030
G279941		1.93	0.030		<0.2	1.59	193	<10	100	0.7	<2	6.67	<0.5	40	88	59
G279942		3.80	3.02		1.5	1.20	1300	<10	30	0.5	<2	0.12	1.9	48	16	61
G279943		1.30	3.39		1.4	1.78	1085	<10	40	0.7	<2	0.57	<0.5	53	10	98
G279944		2.00	3.00		1.0	1.49	1085	<10	50	0.7	<2	3.62	1.0	53	17	70
G279945		1.23	1.300		0.9	1.07	701	<10	50	0.5	<2	0.85	0.9	41	14	47
G279946		1.19	0.911		<0.2	0.50	575	<10	100	<0.5	<2	7.15	<0.5	37	4	56
G279947		1.73	1.225		1.1	0.84	1075	<10	50	0.6	<2	2.43	2.1	21	17	41
G279948		2.21	1.265		0.8	0.91	1240	<10	60	0.5	<2	3.00	1.3	24	12	45
G279949		3.06	1.120		0.2	0.61	1240	<10	90	<0.5	<2	7.42	1.0	35	32	36
G279950		0.66	0.005		<0.2	0.03	3	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G279951		2.72	2.06		1.0	0.35	1770	<10	60	<0.5	3	5.96	1.1	30	19	127
G279952		2.41	1.320		36.4	0.29	1275	<10	60	<0.5	<2	5.28	2.6	51	11	2060
G279953		1.37	1.140		0.4	0.28	1140	<10	100	<0.5	<2	5.85	<0.5	27	14	50
G279954		2.16	0.362		<0.2	0.05	355	<10	10	<0.5	<2	0.74	<0.5	3	15	15
G279955		2.68	0.028		<0.2	0.02	30	<10	10	<0.5	<2	0.43	<0.5	1	18	2
G279956		2.29	0.212		0.9	0.06	168	<10	70	<0.5	<2	1.66	<0.5	5	19	6
G279957		2.14	0.028		<0.2	0.01	32	<10	10	<0.5	<2	1.50	<0.5	1	16	2



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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
G279918		6.10	<10	<1	0.07	<10	2.99	1370	<1	0.08	54	580	3	0.29	<2	22
G279919		6.94	<10	<1	0.09	<10	3.55	1445	<1	0.06	134	950	4	1.57	12	26
G279920		3.85	<10	4	0.10	10	0.03	73	13	0.02	15	150	13	0.22	28	1
G279921		1.95	<10	<1	0.08	<10	0.36	171	<1	<0.01	25	90	2	1.42	4	2
G279922		1.62	<10	<1	0.05	<10	0.60	231	<1	<0.01	19	50	<2	0.72	2	2
G279923		1.64	<10	<1	0.09	<10	0.42	126	<1	<0.01	23	50	<2	0.32	2	2
G279924		4.50	<10	<1	0.12	<10	2.43	628	<1	0.04	65	400	<2	0.34	3	13
G279925		4.50	<10	<1	0.10	<10	2.46	630	<1	0.03	66	390	<2	0.36	2	13
G279926		5.95	<10	<1	0.14	<10	3.72	1245	<1	0.05	99	490	<2	0.89	3	23
G279927		5.66	<10	<1	0.15	<10	3.52	1150	<1	0.04	69	500	<2	0.28	2	19
G279928		5.94	<10	<1	0.12	<10	3.61	1140	<1	0.06	64	570	<2	1.03	4	25
G279929		6.68	<10	<1	0.11	<10	4.16	1245	<1	0.05	62	620	<2	0.87	3	29
G279930		0.04	<10	<1	<0.01	<10	1.81	24	<1	0.01	<1	50	<2	0.10	<2	<1
G279931		5.89	10	1	0.07	<10	4.08	1125	<1	0.04	80	480	<2	0.26	<2	25
G279932		6.36	10	<1	0.05	<10	4.73	1045	<1	0.04	99	520	<2	0.26	4	28
G279933		5.41	10	1	0.11	<10	4.14	1040	1	0.06	98	650	<2	1.88	2	22
G279934		5.30	10	<1	0.05	<10	3.83	910	<1	0.05	121	490	<2	0.31	<2	19
G279935		4.61	10	<1	0.04	<10	3.28	816	<1	0.05	98	470	<2	0.08	<2	13
G279936		5.53	10	<1	0.02	<10	3.60	943	<1	0.03	121	580	<2	0.18	<2	16
G279937		5.48	10	<1	0.17	10	4.44	1105	1	0.03	126	540	<2	1.17	<2	23
G279938		5.66	10	<1	0.08	<10	6.39	1075	<1	0.02	452	330	<2	0.18	<2	23
G279939		5.87	10	<1	0.06	<10	6.51	1055	<1	0.02	463	350	<2	0.13	<2	21
G279940		6.31	<10	2	0.28	<10	0.86	897	9	0.05	13	640	21	2.67	23	3
G279941		5.26	<10	<1	0.15	10	4.28	1120	1	0.03	179	510	5	0.43	4	19
G279942		8.57	<10	<1	0.19	<10	0.63	103	1	0.02	87	260	247	8.44	8	26
G279943		9.39	<10	1	0.18	<10	1.09	269	1	0.02	69	400	36	7.61	10	27
G279944		10.45	10	<1	0.20	<10	2.07	875	1	0.03	84	530	50	8.62	11	32
G279945		6.23	<10	<1	0.17	<10	0.75	212	2	0.02	57	520	46	4.63	8	12
G279946		6.81	<10	<1	0.16	<10	3.00	1385	2	0.02	34	720	16	3.48	2	20
G279947		6.43	<10	<1	0.07	<10	1.77	536	1	0.01	51	220	202	6.29	17	12
G279948		6.56	<10	<1	0.10	<10	2.10	629	1	0.02	39	80	89	6.12	18	13
G279949		5.80	<10	<1	0.14	<10	4.25	1175	2	0.03	151	160	48	3.51	13	17
G279950		0.06	<10	<1	<0.01	<10	2.13	26	2	0.01	<1	50	<2	0.06	<2	<1
G279951		7.18	<10	<1	0.14	<10	3.08	893	1	0.02	99	110	134	6.48	25	12
G279952		7.08	<10	<1	0.14	<10	2.61	863	2	0.02	61	110	52	6.79	326	14
G279953		5.74	<10	<1	0.14	<10	2.90	975	2	0.02	53	80	20	4.16	11	14
G279954		2.64	<10	<1	0.02	<10	0.31	167	2	0.01	17	<10	28	2.13	3	1
G279955		0.98	<10	<1	0.01	<10	0.10	116	2	0.01	3	<10	7	0.24	<2	<1
G279956		1.80	<10	<1	0.03	<10	0.65	278	2	0.01	10	10	8	0.75	<2	2
G279957		1.20	<10	<1	0.01	<10	0.63	250	2	0.01	1	<10	3	0.16	<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 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G279918		78	<20	<0.01	<10	<10	42	<10	58
G279919		179	<20	<0.01	<10	<10	43	<10	77
G279920		75	<20	0.01	10	<10	28	10	22
G279921		24	<20	<0.01	<10	<10	6	<10	25
G279922		44	<20	<0.01	<10	<10	4	<10	16
G279923		13	<20	<0.01	<10	<10	7	<10	40
G279924		92	<20	<0.01	<10	<10	19	<10	45
G279925		93	<20	<0.01	<10	<10	18	<10	48
G279926		165	<20	<0.01	<10	<10	34	<10	45
G279927		143	<20	<0.01	<10	<10	27	<10	38
G279928		126	<20	<0.01	<10	<10	38	<10	56
G279929		128	<20	<0.01	<10	<10	51	<10	53
G279930		6190	<20	<0.01	<10	<10	<1	<10	<2
G279931		88	<20	<0.01	<10	<10	91	<10	50
G279932		87	<20	<0.01	<10	<10	130	<10	59
G279933		156	<20	<0.01	<10	<10	60	<10	47
G279934		59	<20	0.13	<10	<10	109	<10	49
G279935		87	<20	0.12	<10	<10	82	<10	44
G279936		48	<20	0.11	<10	<10	110	<10	58
G279937		173	<20	<0.01	<10	<10	51	<10	77
G279938		172	<20	<0.01	<10	<10	88	<10	57
G279939		140	<20	<0.01	<10	<10	91	<10	61
G279940		66	<20	0.04	<10	<10	41	<10	106
G279941		341	<20	<0.01	<10	<10	45	<10	60
G279942		9	<20	<0.01	<10	<10	54	<10	349
G279943		21	<20	<0.01	<10	<10	44	<10	55
G279944		97	<20	<0.01	<10	<10	58	<10	205
G279945		30	<20	<0.01	<10	<10	44	<10	263
G279946		220	<20	<0.01	<10	<10	26	<10	57
G279947		91	<20	<0.01	<10	<10	36	<10	572
G279948		103	<20	<0.01	<10	<10	39	<10	318
G279949		199	<20	<0.01	<10	<10	30	10	244
G279950		4610	<20	<0.01	<10	<10	1	<10	<2
G279951		179	<20	<0.01	<10	<10	23	<10	256
G279952		177	<20	<0.01	<10	<10	20	<10	461
G279953		203	<20	<0.01	<10	<10	22	<10	51
G279954		18	<20	<0.01	<10	<10	3	<10	47
G279955		8	<20	<0.01	<10	<10	1	<10	28
G279956		47	<20	<0.01	<10	<10	6	<10	24
G279957		45	<20	<0.01	<10	<10	3	<10	8



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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
G279958		1.51	0.054		0.5	0.02	78	<10	20	<0.5	<2	1.72	<0.5	1	20	4
G279959		2.76	0.023		<0.2	0.02	29	<10	10	<0.5	<2	1.73	<0.5	1	21	2
G279960		0.07	1.940		0.3	2.24	10	<10	80	<0.5	<2	0.62	<0.5	10	30	623
G279961		2.24	0.042		<0.2	0.03	44	<10	10	<0.5	<2	0.97	<0.5	1	24	5
G279962		1.44	0.064		<0.2	0.02	76	<10	10	<0.5	2	1.74	0.5	1	15	7
G279963		1.59	0.062		<0.2	0.02	60	<10	10	<0.5	<2	2.94	0.6	<1	17	2
G279964		1.52	0.036		<0.2	0.01	39	<10	<10	<0.5	<2	1.29	<0.5	<1	18	1
G279965		1.06	0.492		0.3	0.07	351	<10	20	<0.5	2	1.57	1.5	7	18	7
G279966		3.09	1.575		<0.2	0.65	2030	<10	40	<0.5	<2	6.04	<0.5	37	8	23
G279967		1.84	1.615		<0.2	0.56	2310	<10	70	<0.5	<2	8.0	<0.5	37	5	22
G279968		1.53	0.973		<0.2	0.61	1235	<10	140	<0.5	<2	8.8	<0.5	31	8	16
G279969		2.22	1.310		0.2	0.55	2080	<10	60	<0.5	<2	8.4	0.6	35	9	40
G279970		0.54	<0.005		<0.2	0.04	<2	<10	10	<0.5	2	>25.0	<0.5	<1	<1	<1
G279971		2.80	0.756		0.4	0.42	1210	<10	100	<0.5	<2	9.4	0.6	33	11	52
G279972		2.85	1.505		<0.2	0.53	2080	<10	60	<0.5	<2	5.67	<0.5	38	5	11
G279973		2.44	0.271		0.2	0.55	213	<10	100	<0.5	2	2.15	<0.5	13	8	28
G279974		1.67	0.066		0.2	0.56	91	<10	140	<0.5	2	1.78	<0.5	14	7	97
G279975		1.40	0.032		<0.2	0.54	67	<10	120	<0.5	<2	1.75	0.5	14	8	87
G279976		4.48	0.040		0.2	0.42	59	<10	90	<0.5	<2	2.22	<0.5	10	7	47
G279977		3.69	0.024		<0.2	0.42	49	<10	90	<0.5	<2	2.24	<0.5	11	7	53
G279978		3.80	0.036		0.3	0.49	63	<10	110	<0.5	<2	2.45	<0.5	12	6	88
G279979		2.71	0.126		0.7	0.42	150	<10	100	<0.5	<2	1.58	<0.5	14	7	100
G279980		0.07	3.49		4.4	1.53	266	<10	330	<0.5	2	1.35	1.5	9	54	76
G279981		1.78	0.095		0.3	0.53	91	<10	100	<0.5	<2	1.78	<0.5	13	9	102
G279982		3.99	0.099		<0.2	0.42	90	<10	120	<0.5	<2	2.96	<0.5	8	8	6
G279983		4.18	0.055		<0.2	0.35	57	<10	120	<0.5	<2	2.04	<0.5	8	10	5
G279984		3.70	0.080		<0.2	0.30	64	<10	110	<0.5	2	1.33	<0.5	8	8	10
G279985		3.82	0.048		<0.2	0.30	50	<10	100	<0.5	<2	1.72	<0.5	7	12	8
G279986		3.73	0.031		<0.2	0.29	41	<10	100	<0.5	<2	1.30	<0.5	7	10	9
G279987		3.35	0.027		<0.2	0.30	43	<10	100	<0.5	<2	1.16	<0.5	7	11	4
G279988		4.81	0.059		<0.2	0.31	57	<10	110	<0.5	2	1.18	<0.5	8	10	7
G279989		3.83	0.056		<0.2	0.32	53	<10	110	<0.5	<2	1.15	<0.5	8	10	9
G279990		0.55	<0.005		<0.2	0.09	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G279991		1.78	0.075		0.2	0.42	70	<10	100	<0.5	<2	0.99	<0.5	10	9	9
G279992		1.93	0.029		<0.2	0.38	40	<10	120	<0.5	<2	1.75	0.6	9	9	15
G279993		3.40	0.054		<0.2	0.35	46	<10	100	<0.5	2	1.87	<0.5	6	10	4
G279994		1.81	0.040		<0.2	0.30	41	<10	100	<0.5	<2	1.47	<0.5	6	8	3
G279995		1.75	0.049		<0.2	0.40	57	<10	130	<0.5	<2	1.44	<0.5	8	9	2
G279996		1.36	0.258		<0.2	0.26	179	<10	90	<0.5	<2	1.26	<0.5	7	9	3
G279997		2.06	0.071		<0.2	0.33	61	<10	110	<0.5	<2	1.57	<0.5	7	12	5



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**CERTIFICATE OF ANALYSIS TR12208567**

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
G279958		1.61	<10	<1	0.01	<10	0.71	297	2	0.01	3	<10	4	0.38	2	<1
G279959		1.41	<10	1	0.01	<10	0.53	264	2	0.01	1	<10	2	0.15	2	1
G279960		4.10	10	<1	0.14	10	0.91	751	9	0.09	19	690	9	0.09	2	5
G279961		0.77	<10	<1	0.01	<10	0.24	124	2	0.01	2	<10	11	0.24	<2	<1
G279962		1.80	<10	1	0.01	<10	0.68	301	2	0.01	3	<10	31	0.38	<2	1
G279963		1.62	<10	<1	0.01	<10	1.06	350	2	0.01	4	<10	23	0.42	2	1
G279964		1.36	<10	<1	<0.01	<10	0.49	229	2	0.01	2	<10	16	0.22	<2	<1
G279965		2.79	<10	<1	0.02	<10	0.72	239	1	0.01	24	70	83	2.17	4	1
G279966		7.96	<10	<1	0.26	<10	2.93	951	1	0.02	43	160	20	7.20	6	22
G279967		7.42	<10	<1	0.22	<10	3.58	1085	1	0.02	35	330	9	5.49	7	27
G279968		6.07	<10	<1	0.20	<10	3.90	1165	1	0.02	32	250	6	3.22	5	25
G279969		7.84	<10	<1	0.26	<10	3.58	1150	<1	0.01	42	190	9	6.28	11	26
G279970		0.05	<10	<1	<0.01	<10	1.82	21	<1	0.01	<1	50	<2	0.06	<2	<1
G279971		6.68	<10	<1	0.18	<10	3.83	1125	<1	0.01	39	160	5	3.36	8	26
G279972		7.08	<10	<1	0.24	<10	2.60	763	<1	0.01	45	120	7	5.72	5	21
G279973		3.18	<10	<1	0.22	10	1.06	346	<1	0.01	29	430	9	2.29	5	4
G279974		2.37	<10	<1	0.36	10	0.72	270	<1	0.01	28	630	9	1.75	2	3
G279975		2.18	<10	<1	0.29	10	0.74	281	<1	0.01	31	610	7	1.14	<2	3
G279976		2.38	<10	<1	0.24	10	0.92	338	<1	0.01	21	490	5	1.49	<2	3
G279977		3.00	<10	<1	0.27	10	0.88	351	<1	0.01	22	420	5	2.04	2	3
G279978		2.54	<10	1	0.34	10	0.93	334	<1	0.01	26	500	6	1.54	3	3
G279979		2.93	<10	<1	0.30	10	0.70	265	<1	0.01	31	500	6	2.58	4	3
G279980		3.46	<10	5	0.15	10	0.84	449	11	0.07	38	790	306	0.67	27	4
G279981		3.21	<10	<1	0.26	10	0.77	287	<1	0.01	31	490	9	2.65	5	3
G279982		2.18	<10	<1	0.25	<10	1.21	458	<1	0.01	13	420	7	0.84	<2	3
G279983		2.54	<10	<1	0.26	10	0.89	340	<1	0.01	14	210	9	1.50	3	2
G279984		2.22	<10	<1	0.24	10	0.57	232	<1	0.01	14	230	4	1.76	<2	2
G279985		2.24	<10	<1	0.22	<10	0.76	317	<1	0.01	11	180	4	1.23	<2	2
G279986		2.27	<10	<1	0.22	10	0.55	268	<1	0.01	13	210	4	1.42	<2	2
G279987		1.90	<10	<1	0.21	<10	0.46	223	<1	0.01	12	270	5	1.28	<2	2
G279988		2.25	<10	<1	0.24	10	0.49	229	<1	0.01	15	210	5	1.54	<2	2
G279989		2.12	<10	<1	0.26	10	0.48	221	<1	0.01	16	250	11	1.71	<2	2
G279990		0.10	<10	<1	0.02	<10	1.92	22	<1	0.02	<1	70	<2	0.06	<2	<1
G279991		2.61	<10	<1	0.29	10	0.49	207	<1	0.01	17	220	11	2.18	<2	1
G279992		1.95	<10	<1	0.23	10	0.70	305	<1	0.01	17	400	53	1.11	2	2
G279993		2.24	<10	<1	0.21	<10	0.77	363	<1	0.01	11	290	15	0.96	<2	3
G279994		1.50	<10	<1	0.21	10	0.60	225	<1	<0.01	10	220	6	0.71	<2	2
G279995		2.09	<10	<1	0.26	10	0.56	256	<1	0.01	13	370	14	1.26	2	2
G279996		1.91	<10	<1	0.18	<10	0.50	213	<1	<0.01	14	230	18	1.32	<2	2
G279997		2.16	<10	<1	0.23	10	0.66	286	<1	0.01	12	230	12	1.13	2	2





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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12208567**

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
G279958		54	<20	<0.01	<10	<10	4	<10	41
G279959		42	<20	<0.01	<10	<10	3	<10	15
G279960		32	<20	0.14	<10	<10	62	<10	85
G279961		18	<20	<0.01	<10	<10	2	<10	45
G279962		46	<20	<0.01	<10	<10	4	<10	126
G279963		76	<20	<0.01	<10	<10	7	<10	179
G279964		35	<20	<0.01	<10	<10	3	<10	51
G279965		50	<20	<0.01	<10	<10	5	<10	384
G279966		189	<20	<0.01	<10	<10	40	<10	22
G279967		238	<20	<0.01	<10	<10	42	<10	108
G279968		250	<20	<0.01	<10	<10	47	<10	61
G279969		222	<20	<0.01	<10	<10	42	<10	62
G279970		5010	<20	<0.01	<10	<10	1	<10	<2
G279971		244	<20	<0.01	<10	<10	47	<10	66
G279972		164	<20	<0.01	<10	<10	37	<10	25
G279973		104	<20	<0.01	<10	<10	12	<10	29
G279974		83	<20	<0.01	<10	<10	9	<10	54
G279975		83	<20	<0.01	<10	<10	9	<10	66
G279976		112	<20	<0.01	<10	<10	8	<10	23
G279977		86	<20	<0.01	<10	<10	8	<10	27
G279978		86	<20	<0.01	<10	<10	10	<10	42
G279979		61	<20	<0.01	<10	<10	7	<10	21
G279980		39	<20	0.10	<10	<10	61	<10	276
G279981		105	<20	<0.01	<10	<10	10	<10	38
G279982		122	<20	<0.01	<10	<10	9	<10	14
G279983		86	<20	<0.01	<10	<10	6	<10	5
G279984		58	<20	<0.01	<10	<10	4	<10	4
G279985		77	<20	<0.01	<10	<10	5	<10	3
G279986		56	<20	<0.01	<10	<10	4	<10	3
G279987		53	<20	<0.01	<10	<10	4	<10	5
G279988		57	<20	<0.01	<10	<10	5	<10	4
G279989		51	<20	<0.01	<10	<10	5	<10	17
G279990		5310	<20	<0.01	<10	<10	<1	<10	<2
G279991		53	<20	<0.01	<10	<10	6	<10	16
G279992		83	<20	<0.01	<10	<10	6	<10	135
G279993		77	<20	<0.01	<10	<10	7	<10	54
G279994		61	<20	<0.01	<10	<10	5	<10	9
G279995		61	<20	<0.01	<10	<10	7	<10	41
G279996		52	<20	<0.01	<10	<10	5	<10	39
G279997		62	<20	<0.01	<10	<10	7	<10	17



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12208567**

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
G279998		2.22	0.043		<0.2	0.34	55	<10	100	<0.5	<2	1.44	<0.5	8	9	10
G279999		2.87	0.051		<0.2	0.37	57	<10	110	<0.5	<2	1.43	<0.5	7	10	7
G280000		0.07	>10.0	10.50	0.6	1.52	3940	<10	60	0.5	3	0.85	<0.5	15	67	64
G239251		3.90	0.057		0.2	0.35	61	<10	110	<0.5	<2	2.59	<0.5	8	8	8
G239252		4.10	0.035		<0.2	0.38	54	<10	100	<0.5	<2	0.94	<0.5	8	9	11
G239253		2.37	0.069		<0.2	0.44	73	<10	100	<0.5	<2	1.47	0.6	10	7	8
G239254		2.53	0.043		<0.2	0.36	55	<10	100	<0.5	<2	1.32	<0.5	9	9	6



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**CERTIFICATE OF ANALYSIS TR12208567**

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
G279998		2.35	<10	<1	0.23	10	0.62	252	<1	0.01	16	280	8	1.72	3	2
G279999		2.74	<10	<1	0.25	10	0.67	320	<1	0.01	15	360	10	1.93	3	2
G280000		3.60	10	<1	0.17	10	0.89	377	5	0.06	63	500	7	0.91	32	5
G239251		2.75	<10	<1	0.22	<10	1.12	430	<1	0.01	16	330	22	1.94	2	3
G239252		2.51	<10	<1	0.26	10	0.43	231	<1	0.01	17	280	9	2.10	2	1
G239253		2.79	<10	<1	0.24	10	0.76	263	<1	0.01	21	290	33	2.47	2	2
G239254		2.30	<10	<1	0.23	10	0.55	261	<1	0.01	14	350	21	1.53	2	2



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**CERTIFICATE OF ANALYSIS TR12208567**

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
G279998		59	<20	<0.01	<10	<10	6	<10	45
G279999		71	<20	<0.01	<10	<10	6	<10	12
G280000		42	<20	0.11	<10	<10	50	40	47
G239251		123	<20	<0.01	<10	<10	8	<10	92
G239252		50	<20	<0.01	<10	<10	5	<10	16
G239253		84	<20	<0.01	<10	<10	6	<10	132
G239254		64	<20	<0.01	<10	<10	5	<10	41



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**CERTIFICATE TR12220444**

Project: CMV12-01  
 P.O. No.: CMV12-01\_60  
 This report is for 84 Drill Core samples submitted to our lab in Terrace, BC, Canada on 18-SEP-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
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 TR12220444**

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 %
G239255		5.03	0.014	1.6	0.40	21	<10	210	<0.5	2	4.69	0.5	6	8	63	2.09
G239256		3.98	0.011	1.9	0.26	22	<10	100	<0.5	<2	4.01	2.6	6	8	38	1.77
G239257		4.44	0.039	1.9	0.39	62	<10	130	<0.5	<2	2.77	4.6	8	8	72	2.20
G239258		4.03	0.065	1.9	0.31	58	<10	90	<0.5	2	2.33	4.9	9	9	67	2.39
G239259		4.16	0.053	0.8	0.34	76	<10	90	<0.5	<2	2.84	2.3	13	8	76	3.18
G239260		0.34	<0.005	<0.2	0.03	<2	<10	<10	<0.5	2	>25.0	<0.5	<1	<1	<1	0.05
G239261		2.72	0.062	1.1	0.24	81	<10	80	<0.5	<2	3.54	3.1	9	8	91	3.63
G239262		2.32	0.131	0.8	0.17	45	<10	80	<0.5	<2	1.87	1.2	11	12	44	2.99
G239263		2.49	0.130	0.9	0.19	42	<10	80	<0.5	<2	2.44	1.8	11	11	46	3.01
G239264		2.26	0.185	1.0	0.21	68	<10	90	<0.5	2	1.15	3.4	12	10	52	3.63
G239265		1.98	0.010	<0.2	0.10	50	<10	40	<0.5	<2	0.09	0.7	6	18	16	1.37
G239266		2.57	0.058	0.5	0.28	102	<10	180	<0.5	<2	2.61	3.2	13	10	107	2.92
G239267		2.02	0.113	1.1	0.41	75	<10	140	<0.5	<2	3.04	4.1	8	13	67	2.37
G239268		4.21	0.035	1.9	0.28	88	<10	170	<0.5	<2	3.12	3.8	5	27	68	1.38
G239269		4.19	0.038	0.9	0.19	118	<10	90	<0.5	<2	1.01	4.2	4	30	56	0.41
G239270		0.07	0.275	0.5	0.38	433	<10	870	<0.5	<2	1.03	<0.5	3	41	38	3.75
G239271		3.39	0.010	0.7	0.19	75	<10	130	<0.5	2	0.53	1.7	7	15	61	0.71
G239272		2.57	<0.005	0.3	0.19	79	<10	90	<0.5	<2	1.77	3.7	3	19	2	0.64
G239273		1.92	<0.005	<0.2	0.27	69	<10	110	<0.5	<2	8.7	<0.5	2	24	1	1.23
G239274		2.99	0.048	0.4	0.13	86	<10	70	<0.5	<2	3.36	1.4	3	30	13	1.55
G239275			0.043	0.4	0.13	89	<10	70	<0.5	<2	3.45	1.5	4	33	14	1.55
G239276		4.04	0.041	0.5	0.28	104	<10	170	<0.5	<2	5.26	0.9	4	48	14	1.95
G239277		2.65	0.024	0.2	0.21	134	<10	90	<0.5	2	4.02	0.6	7	36	10	2.98
G239278		3.76	0.017	0.5	0.02	1420	<10	<10	<0.5	<2	2.21	<0.5	69	81	17	1.77
G239279		4.74	<0.005	0.2	0.02	1155	<10	40	<0.5	<2	1.74	<0.5	63	126	13	3.17
G239280		0.69	<0.005	<0.2	0.02	<2	<10	<10	<0.5	3	>25.0	<0.5	<1	<1	<1	0.04
G239281		2.85	<0.005	<0.2	0.02	1080	<10	<10	<0.5	2	0.89	<0.5	65	157	10	3.60
G239282		4.56	<0.005	<0.2	0.09	129	<10	<10	<0.5	<2	2.10	<0.5	80	462	8	4.26
G239283		3.67	0.014	<0.2	0.07	252	<10	<10	<0.5	2	2.65	1.5	90	392	9	4.32
G239284		3.97	0.013	0.6	0.02	921	<10	10	<0.5	<2	1.79	<0.5	81	115	20	2.81
G239285		3.66	<0.005	<0.2	0.05	663	<10	<10	<0.5	<2	1.54	<0.5	88	265	5	3.34
G239286		5.34	<0.005	<0.2	0.04	398	<10	<10	<0.5	<2	2.99	<0.5	91	273	6	3.55
G239287		3.54	<0.005	<0.2	0.04	125	<10	<10	<0.5	<2	1.49	<0.5	79	287	6	4.18
G239288		3.42	<0.005	<0.2	0.05	736	<10	<10	<0.5	<2	1.51	<0.5	84	311	6	4.31
G239289		2.75	0.005	<0.2	0.03	1125	<10	<10	<0.5	<2	2.21	<0.5	67	161	2	2.11
G239290		0.07	0.714	2.2	0.67	24	<10	90	<0.5	12	1.93	0.6	7	31	7080	6.61
G239291		3.69	<0.005	<0.2	0.39	521	<10	<10	<0.5	<2	1.29	<0.5	38	<137	5	3.51
G239292		2.99	<0.005	<0.2	2.14	69	<10	80	<0.5	2	5.98	<0.5	37	92	70	6.19
G239293		2.19	0.006	<0.2	0.35	115	<10	230	<0.5	2	8.2	<0.5	29	44	76	4.44
G239294		3.01	0.008	0.2	1.51	336	<10	40	<0.5	<2	3.96	<0.5	55	276	88	4.78



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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
G239255		<10	<1	0.14	<10	2.26	417	2	0.01	43	610	5	0.51	4	3	362
G239256		<10	<1	0.15	<10	1.76	327	7	0.01	31	700	6	0.80	9	3	143
G239257		<10	1	0.16	<10	1.39	314	32	0.01	62	600	10	0.95	9	3	137
G239258		<10	<1	0.15	10	1.19	334	32	0.01	62	620	12	1.02	8	3	127
G239259		<10	<1	0.14	<10	1.44	599	11	0.01	75	540	8	1.32	6	5	172
G239260		<10	1	<0.01	<10	1.65	18	<1	<0.01	<1	30	<2	0.05	<2	<1	4800
G239261		<10	<1	0.11	<10	1.72	661	16	0.01	57	640	10	1.70	13	5	246
G239262		<10	<1	0.11	<10	0.78	387	19	0.01	39	620	19	2.29	16	2	111
G239263		<10	<1	0.12	<10	1.02	576	21	0.01	40	700	19	2.38	18	2	129
G239264		<10	<1	0.12	<10	0.44	274	13	0.01	49	680	25	3.34	16	2	67
G239265		<10	<1	0.06	<10	0.07	207	9	0.01	28	350	<2	0.50	3	1	5
G239266		<10	<1	0.16	<10	1.13	533	16	0.01	53	1060	12	1.32	6	4	114
G239267		<10	<1	0.14	<10	0.91	269	7	0.01	57	3940	10	1.55	9	4	99
G239268		<10	<1	0.13	<10	1.20	208	13	0.01	78	3190	9	0.89	8	3	71
G239269		<10	<1	0.09	10	0.23	54	15	0.01	94	2330	16	0.08	13	1	26
G239270		<10	4	0.09	10	0.03	74	13	0.03	13	150	12	0.21	28	1	76
G239271		<10	<1	0.10	<10	0.12	44	30	0.01	42	1230	8	0.48	7	1	19
G239272		<10	<1	0.09	10	0.69	118	11	0.01	68	1560	9	0.15	12	1	43
G239273		<10	<1	0.13	<10	3.88	363	11	0.01	62	5330	7	0.02	4	4	271
G239274		<10	<1	0.06	10	1.25	287	10	0.01	51	2500	123	0.47	8	5	141
G239275		<10	<1	0.06	10	1.30	296	10	0.01	56	2540	127	0.46	8	5	145
G239276		<10	<1	0.12	<10	1.83	349	17	0.01	87	5720	108	0.44	7	5	201
G239277		<10	<1	0.11	<10	1.93	826	16	0.01	131	2020	20	0.17	41	6	120
G239278		<10	<1	0.01	<10	3.46	380	1	<0.01	1205	10	14	0.48	102	2	104
G239279		<10	<1	0.01	<10	11.10	447	<1	<0.01	1130	<10	9	0.18	80	4	62
G239280		<10	<1	<0.01	<10	1.99	24	<1	0.01	<1	60	4	0.04	4	<1	5510
G239281		<10	<1	0.01	<10	14.55	409	<1	<0.01	1070	<10	5	0.16	45	5	44
G239282		<10	<1	<0.01	<10	13.70	567	<1	<0.01	1255	20	4	0.32	2	6	47
G239283		<10	<1	<0.01	<10	11.05	510	1	<0.01	1470	10	48	0.76	44	5	58
G239284		<10	<1	<0.01	<10	7.62	497	1	<0.01	1330	40	96	0.26	152	2	48
G239285		<10	<1	<0.01	<10	9.86	500	<1	<0.01	1535	<10	32	0.23	38	3	39
G239286		<10	<1	<0.01	<10	8.84	573	<1	<0.01	1555	<10	<2	0.36	26	3	116
G239287		<10	<1	<0.01	<10	14.30	452	<1	<0.01	1395	10	<2	0.17	3	4	40
G239288		<10	<1	<0.01	<10	13.00	523	<1	<0.01	1445	10	<2	0.18	48	4	49
G239289		<10	<1	<0.01	<10	5.30	356	<1	<0.01	1230	10	2	0.23	117	2	120
G239290		<10	2	0.28	<10	0.88	947	8	0.05	13	620	21	2.62	26	3	67
G239291		<10	<1	0.01	<10	5.50	1270	1	<0.01	663	10	<2	0.15	31	6	54
G239292		<10	<1	0.07	<10	3.74	1120	<1	0.04	69	450	<2	0.07	2	20	100
G239293		<10	<1	0.18	<10	3.63	951	<1	0.01	68	260	2	0.04	6	12	192
G239294		<10	1	0.10	<10	4.25	809	<1	0.01	391	170	<2	0.49	27	14	112



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**CERTIFICATE OF ANALYSIS TR12220444**

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
G239255		<20	<0.01	<10	<10	7	<10	134
G239256		<20	<0.01	<10	<10	11	<10	161
G239257		<20	<0.01	<10	<10	22	<10	322
G239258		<20	<0.01	<10	<10	23	<10	342
G239259		<20	<0.01	<10	<10	10	<10	216
G239260		<20	<0.01	<10	<10	1	<10	<2
G239261		<20	<0.01	<10	<10	12	<10	247
G239262		<20	<0.01	<10	<10	7	<10	82
G239263		<20	<0.01	<10	<10	9	<10	111
G239264		<20	<0.01	<10	<10	10	<10	212
G239265		<20	<0.01	<10	<10	7	<10	67
G239266		<20	<0.01	<10	<10	14	<10	210
G239267		<20	<0.01	<10	<10	16	<10	356
G239268		<20	<0.01	<10	<10	15	<10	286
G239269		<20	<0.01	<10	10	8	<10	318
G239270		<20	0.01	10	<10	28	10	22
G239271		<20	<0.01	<10	<10	22	<10	95
G239272		<20	<0.01	<10	<10	8	<10	167
G239273		<20	<0.01	<10	<10	14	<10	42
G239274		<20	<0.01	<10	<10	15	<10	293
G239275		<20	<0.01	<10	<10	15	<10	332
G239276		<20	<0.01	<10	10	19	<10	182
G239277		<20	<0.01	<10	10	17	<10	99
G239278		<20	<0.01	<10	<10	3	<10	22
G239279		<20	<0.01	<10	<10	4	<10	14
G239280		<20	<0.01	<10	<10	1	<10	<2
G239281		<20	<0.01	<10	<10	5	<10	12
G239282		<20	<0.01	<10	<10	5	<10	12
G239283		<20	<0.01	<10	<10	5	<10	351
G239284		<20	<0.01	<10	<10	3	<10	17
G239285		<20	<0.01	<10	<10	5	<10	13
G239286		<20	<0.01	<10	<10	5	<10	5
G239287		<20	<0.01	<10	<10	5	<10	3
G239288		<20	<0.01	<10	<10	6	<10	8
G239289		<20	<0.01	<10	<10	4	<10	9
G239290		<20	0.04	<10	<10	41	<10	108
G239291		<20	<0.01	<10	<10	27	<10	39
G239292		<20	<0.01	<10	<10	111	<10	67
G239293		<20	<0.01	<10	<10	20	<10	44
G239294		<20	<0.01	<10	<10	37	<10	52





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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
G239295		2.29	0.011	0.4	0.73	587	<10	40	<0.5	2	0.16	<0.5	70	268	51	6.65
G239296		3.07	0.007	<0.2	0.56	96	<10	40	<0.5	2	0.25	<0.5	35	42	94	5.24
G239297		4.35	0.260	0.2	0.46	234	<10	60	<0.5	2	0.10	<0.5	35	19	110	4.23
G239298		2.46	0.504	0.3	0.52	168	<10	50	<0.5	2	0.18	<0.5	33	25	109	4.97
G239299		4.04	0.486	0.3	0.40	229	<10	70	<0.5	<2	3.37	<0.5	30	14	127	4.60
G239300		0.54	<0.005	<0.2	0.02	4	20	10	<0.5	<2	17.2	<0.5	<1	<1	<1	0.06
G239301		2.40	0.641	0.4	0.35	174	<10	60	<0.5	<2	4.94	1.1	33	11	222	4.56
G239302		2.87	0.970	0.3	0.30	143	<10	70	<0.5	<2	6.01	0.5	31	7	92	5.78
G239303		2.30	1.535	0.4	0.30	174	<10	80	<0.5	<2	6.68	<0.5	34	4	65	5.27
G239304		2.32	0.279	0.2	0.05	100	<10	10	<0.5	<2	0.46	<0.5	5	18	6	2.88
G239305		2.74	0.016	<0.2	0.02	6	<10	<10	<0.5	<2	0.04	<0.5	<1	13	1	0.54
G239306		1.78	0.005	<0.2	0.01	6	<10	<10	<0.5	2	0.11	<0.5	<1	23	<1	0.51
G239307		2.82	0.362	0.5	0.06	286	<10	10	<0.5	2	0.04	1.0	8	18	13	2.75
G239308		2.58	0.093	<0.2	0.02	103	<10	<10	<0.5	2	0.09	<0.5	1	15	2	1.21
G239309		2.53	0.140	<0.2	0.01	174	<10	<10	<0.5	2	0.37	<0.5	1	17	1	1.60
G239310		0.07	2.20	0.4	2.20	8	<10	60	<0.5	3	0.65	<0.5	9	30	632	4.27
G239311		2.59	0.108	<0.2	0.01	120	<10	<10	<0.5	<2	0.73	<0.5	1	19	2	1.33
G239312		2.13	0.055	<0.2	0.01	75	<10	<10	<0.5	<2	0.19	<0.5	<1	15	<1	0.91
G239313		2.16	0.032	<0.2	0.01	36	<10	50	<0.5	<2	0.68	<0.5	1	17	2	0.80
G239314		3.34	0.138	<0.2	0.11	190	<10	30	<0.5	<2	2.33	<0.5	8	15	12	2.23
G239315		2.09	0.344	0.4	0.02	390	<10	<10	<0.5	<2	0.63	<0.5	3	16	8	2.98
G239316		2.22	0.237	<0.2	0.08	182	<10	10	<0.5	<2	2.12	<0.5	6	13	9	1.98
G239317		1.66	0.330	<0.2	0.08	239	<10	20	<0.5	<2	2.46	<0.5	8	13	8	2.49
G239318		2.05	0.208	0.5	0.41	180	<10	50	<0.5	<2	4.05	2.2	9	18	35	3.00
G239319		2.34	0.122	0.7	0.32	141	<10	70	<0.5	2	4.03	1.6	15	10	68	3.25
G239320		0.49	<0.005	<0.2	0.01	<2	20	20	<0.5	<2	17.5	<0.5	<1	<1	<1	0.08
G239321		2.14	0.056	0.5	0.39	58	<10	100	<0.5	<2	3.31	1.6	6	15	30	2.54
G239322		3.39	0.052	1.1	0.20	32	<10	80	<0.5	<2	3.62	1.9	6	10	39	2.09
G239323		2.76	0.041	0.8	0.23	26	<10	200	<0.5	<2	6.12	2.4	7	11	41	2.76
G239324		2.09	0.060	1.1	0.24	28	<10	100	<0.5	<2	4.09	2.6	9	9	53	2.80
G239325		1.99	0.060	1.2	0.24	25	<10	100	<0.5	<2	4.08	2.7	9	9	59	2.78
G239326		3.17	0.106	1.7	0.27	55	<10	120	<0.5	<2	5.19	6.9	11	9	76	3.43
G239327		3.27	0.057	1.2	0.40	23	<10	100	<0.5	<2	2.24	0.5	7	10	50	1.77
G239328		3.64	0.052	1.2	0.34	33	<10	110	<0.5	<2	2.72	0.6	8	10	63	1.90
G239329		3.63	0.050	1.4	0.30	25	<10	260	<0.5	<2	5.69	0.5	6	8	45	2.62
G239330		0.09	3.51	3.8	1.41	258	<10	420	<0.5	3	1.29	1.6	9	52	74	3.26
G239331		4.51	0.037	1.3	0.30	27	<10	310	<0.5	<2	6.32	0.5	6	9	45	2.58
G239332		4.04	0.065	1.6	0.43	41	<10	120	<0.5	<2	2.33	0.7	8	9	71	2.00
G239333		5.16	0.083	1.4	0.25	41	<10	110	<0.5	<2	2.16	0.9	8	11	67	1.92
G239334		3.47	0.134	0.9	0.28	85	<10	100	<0.5	<2	3.17	1.3	12	9	42	2.98



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		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
G239295		<10	<1	0.11	<10	2.33	1660	<1	0.01	567	90	<2	0.71	37	22	3
G239296		<10	<1	0.12	<10	0.89	1060	<1	0.01	66	480	2	0.19	9	26	6
G239297		<10	<1	0.15	<10	0.90	941	<1	0.01	57	120	5	0.70	6	16	4
G239298		<10	<1	0.18	<10	1.19	1360	<1	0.01	48	400	4	0.50	5	18	8
G239299		<10	<1	0.16	<10	1.62	1310	<1	0.01	59	150	4	1.46	13	15	131
G239300		<10	<1	0.01	<10	10.90	378	<1	0.01	<1	30	5	<0.01	<2	<1	158
G239301		<10	<1	0.12	<10	1.83	1210	1	0.02	53	420	51	0.71	5	21	124
G239302		<10	<1	0.11	<10	2.71	1510	<1	0.03	30	370	10	0.82	2	19	156
G239303		<10	1	0.13	<10	2.97	1370	<1	0.02	20	150	5	1.19	4	23	220
G239304		<10	<1	0.02	<10	0.18	147	1	0.01	22	10	14	2.42	18	1	11
G239305		<10	<1	0.01	<10	0.02	54	<1	<0.01	1	<10	<2	0.13	<2	<1	2
G239306		<10	<1	<0.01	<10	0.05	58	<1	<0.01	<1	<10	<2	0.09	<2	<1	3
G239307		<10	<1	0.03	<10	0.02	65	<1	<0.01	51	<10	35	2.54	11	1	2
G239308		<10	<1	0.01	<10	0.04	111	<1	<0.01	7	<10	2	0.77	2	1	3
G239309		<10	<1	0.01	<10	0.16	96	1	<0.01	10	<10	9	1.19	3	1	12
G239310		10	<1	0.14	10	0.89	778	9	0.08	17	660	9	0.08	4	5	31
G239311		<10	<1	<0.01	<10	0.32	137	<1	<0.01	8	<10	11	0.78	<2	1	20
G239312		<10	<1	<0.01	<10	0.08	70	<1	<0.01	4	<10	4	0.53	2	<1	5
G239313		<10	<1	0.01	<10	0.30	124	<1	<0.01	2	<10	2	0.23	2	1	19
G239314		<10	<1	0.07	<10	0.91	320	<1	0.01	21	10	5	0.96	<2	4	64
G239315		<10	<1	0.01	<10	0.28	111	1	<0.01	27	<10	38	2.66	6	1	17
G239316		<10	<1	0.04	<10	0.88	296	<1	<0.01	17	10	11	1.00	3	3	56
G239317		<10	<1	0.04	<10	1.03	327	<1	<0.01	22	10	13	1.49	3	4	71
G239318		<10	<1	0.08	<10	1.45	436	4	<0.01	40	2810	47	1.72	16	6	130
G239319		<10	<1	0.10	<10	1.77	634	9	<0.01	71	560	11	1.74	16	6	171
G239320		<10	<1	<0.01	<10	10.65	385	<1	0.01	<1	40	<2	0.01	<2	<1	174
G239321		<10	<1	0.12	<10	1.36	485	6	<0.01	37	1620	6	1.02	11	4	137
G239322		<10	<1	0.10	<10	1.63	368	9	<0.01	43	560	7	0.79	11	4	187
G239323		<10	<1	0.09	<10	2.93	557	20	0.01	40	970	6	0.76	13	5	384
G239324		<10	<1	0.12	<10	1.72	339	21	0.01	50	650	9	1.05	14	5	218
G239325		<10	<1	0.12	<10	1.70	338	20	0.01	49	670	8	1.05	15	5	217
G239326		<10	<1	0.13	<10	2.07	505	65	0.01	69	710	15	1.85	29	4	240
G239327		<10	<1	0.13	<10	1.10	248	2	0.01	40	530	6	0.76	7	3	141
G239328		<10	<1	0.13	<10	1.32	285	2	0.01	51	450	10	0.79	7	3	219
G239329		<10	<1	0.12	<10	2.72	663	3	0.01	38	590	7	0.81	9	4	376
G239330		<10	4	0.13	10	0.79	448	13	0.06	36	740	285	0.61	26	4	34
G239331		<10	<1	0.10	<10	3.26	636	2	0.01	38	560	5	0.68	6	3	502
G239332		<10	<1	0.14	<10	1.16	246	2	0.01	56	570	7	0.85	10	4	142
G239333		<10	<1	0.13	<10	0.89	272	2	0.01	60	600	9	1.12	12	4	131
G239334		<10	<1	0.13	<10	1.40	542	15	0.01	63	500	17	1.91	19	4	187



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**CERTIFICATE OF ANALYSIS TR12220444**

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
G239295		<20	<0.01	<10	<10	28	<10	48
G239296		<20	<0.01	<10	<10	44	<10	65
G239297		<20	<0.01	<10	<10	21	<10	38
G239298		<20	<0.01	<10	<10	19	<10	45
G239299		<20	<0.01	<10	<10	21	<10	46
G239300		<20	<0.01	<10	<10	2	<10	10
G239301		<20	<0.01	<10	<10	25	<10	233
G239302		<20	<0.01	<10	<10	27	<10	99
G239303		<20	<0.01	<10	<10	24	<10	66
G239304		<20	<0.01	<10	<10	3	<10	32
G239305		<20	<0.01	<10	<10	1	<10	3
G239306		<20	<0.01	<10	<10	<1	<10	<2
G239307		<20	<0.01	<10	<10	3	<10	253
G239308		<20	<0.01	<10	<10	2	<10	6
G239309		<20	<0.01	<10	<10	1	<10	2
G239310		<20	0.15	<10	<10	61	<10	85
G239311		<20	<0.01	<10	<10	2	<10	45
G239312		<20	<0.01	<10	<10	1	<10	9
G239313		<20	<0.01	<10	<10	2	<10	5
G239314		<20	<0.01	<10	<10	7	<10	13
G239315		<20	<0.01	<10	<10	2	<10	41
G239316		<20	<0.01	<10	<10	8	<10	32
G239317		<20	<0.01	<10	<10	9	<10	30
G239318		<20	<0.01	<10	<10	31	<10	461
G239319		<20	<0.01	<10	<10	21	<10	178
G239320		<20	<0.01	<10	<10	2	<10	12
G239321		<20	<0.01	<10	<10	21	<10	197
G239322		<20	<0.01	<10	<10	12	<10	167
G239323		<20	<0.01	<10	<10	22	<10	196
G239324		<20	<0.01	<10	<10	12	<10	184
G239325		<20	<0.01	<10	<10	12	<10	183
G239326		<20	<0.01	<10	<10	24	<10	415
G239327		<20	<0.01	<10	<10	7	<10	119
G239328		<20	<0.01	<10	<10	7	<10	141
G239329		<20	<0.01	<10	<10	8	<10	97
G239330		<20	0.09	<10	<10	57	<10	277
G239331		<20	<0.01	<10	<10	7	<10	89
G239332		<20	<0.01	<10	<10	7	<10	132
G239333		<20	<0.01	<10	<10	6	<10	141
G239334		<20	<0.01	<10	<10	13	<10	164



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**CERTIFICATE OF ANALYSIS TR12220444**

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
G239335		3.36	0.106	0.8	0.48	81	<10	120	<0.5	<2	3.84	1.8	13	8	66	3.08
G239336		3.11	0.009	0.5	0.30	39	<10	100	<0.5	<2	6.08	1.4	6	12	43	2.18
G239337		2.63	0.053	0.6	0.42	60	<10	90	<0.5	<2	4.44	1.4	11	12	66	2.53
G239338		3.57	0.024	0.6	0.31	22	<10	90	<0.5	<2	5.94	1.4	5	14	31	2.09



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**CERTIFICATE OF ANALYSIS TR12220444**

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
G239335		<10	<1	0.16	<10	1.80	779	14	0.01	65	790	13	1.48	11	5	218
G239336		<10	<1	0.12	<10	2.81	683	4	0.01	34	1910	2	0.25	10	5	318
G239337		<10	<1	0.12	<10	2.17	542	6	0.01	57	750	8	0.96	8	6	246
G239338		<10	<1	0.11	<10	2.65	407	4	<0.01	32	2950	4	0.48	18	5	267



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**CERTIFICATE OF ANALYSIS TR12220444**

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
G239335		<20	<0.01	<10	<10	12	<10	182
G239336		<20	<0.01	<10	<10	17	<10	143
G239337		<20	<0.01	<10	<10	18	<10	139
G239338		<20	<0.01	<10	<10	17	<10	110



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**CERTIFICATE TR12220443**

Project: CMV12-01  
 P.O. No.: CMV12-01\_61  
 This report is for 77 Drill Core samples submitted to our lab in Terrace, BC, Canada on 18-SEP-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.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS TR12220443**

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
G239339		2.60	<0.005		<0.2	0.23	2	<10	10	<0.5	<2	0.60	<0.5	2	20	2
G239340		0.57	<0.005		<0.2	0.01	<2	10	1170	<0.5	<2	20.4	<0.5	2	<1	<1
G239341		3.64	0.071		0.9	0.28	95	<10	110	<0.5	<2	4.78	2.2	11	5	90
G239342		3.31	0.043		0.6	0.31	52	<10	120	<0.5	<2	9.5	1.7	6	11	54
G239343		2.54	0.043		0.5	0.33	68	<10	120	<0.5	<2	7.3	1.1	8	7	43
G239344		1.94	0.044		0.4	0.39	116	<10	150	<0.5	<2	5.16	1.1	11	5	72
G239345		2.41	0.022		<0.2	0.29	165	<10	70	<0.5	<2	4.09	1.2	11	14	18
G239346		1.98	0.011		<0.2	0.02	16	<10	10	<0.5	<2	0.92	<0.5	1	13	2
G239347		0.96	0.020		<0.2	0.36	436	<10	130	<0.5	<2	2.36	<0.5	33	108	8
G239348		3.04	0.006		<0.2	0.07	930	<10	40	<0.5	<2	0.35	<0.5	62	128	12
G239349		4.25	0.027		<0.2	0.01	1475	<10	10	<0.5	<2	0.80	<0.5	79	140	9
G239350		0.07	9.67	NSS	0.6	1.49	3840	<10	60	<0.5	<2	0.79	<0.5	14	67	69
G239351		4.50	0.015		<0.2	0.02	1735	<10	10	<0.5	<2	2.38	<0.5	76	141	9
G239352		4.27	0.031		<0.2	0.05	1410	<10	70	<0.5	<2	1.34	<0.5	88	236	6
G239353		4.23	0.009		<0.2	0.09	331	<10	10	<0.5	<2	2.37	<0.5	97	423	4
G239354		4.30	0.017		<0.2	0.02	1830	<10	10	<0.5	<2	2.27	<0.5	83	155	5
G239355		5.08	0.006		<0.2	0.03	1070	50	10	<0.5	<2	1.14	<0.5	84	172	4
G239356		4.36	0.017		<0.2	0.06	1285	<10	10	<0.5	<2	1.87	<0.5	88	230	5
G239357		4.20	0.009		<0.2	0.01	1800	10	10	<0.5	<2	2.12	<0.5	88	113	4
G239358		3.07	0.007		<0.2	0.01	1920	10	10	<0.5	<2	0.91	<0.5	88	120	6
G239359		1.91	0.010		0.8	0.01	1575	10	10	<0.5	<2	2.08	<0.5	77	145	6
G239360		0.69	<0.005		<0.2	<0.01	<2	20	20	<0.5	<2	19.9	<0.5	2	<1	<1
G239361		2.29	0.008		0.2	0.09	1190	<10	110	<0.5	<2	4.31	0.6	83	260	7
G239362		2.65	0.039		<0.2	1.09	96	<10	160	<0.5	<2	6.45	0.8	33	49	108
G239363		3.92	0.007		<0.2	3.03	24	<10	90	<0.5	<2	5.70	<0.5	38	120	84
G239364		3.93	<0.005		<0.2	3.93	9	<10	60	<0.5	<2	4.23	<0.5	35	163	74
G239365		2.33	0.007		<0.2	4.00	29	<10	60	0.5	<2	5.85	<0.5	36	161	41
G239366		2.70	0.032		<0.2	2.06	67	<10	40	<0.5	<2	3.17	<0.5	20	48	81
G239367		3.61	0.016		<0.2	3.05	81	<10	60	<0.5	<2	5.44	<0.5	40	37	80
G239368		3.19	<0.005		<0.2	3.55	27	<10	70	0.5	<2	4.39	<0.5	35	114	65
G239369		1.88	<0.005		<0.2	4.15	12	<10	70	0.6	<2	2.13	<0.5	38	134	63
G239370		0.07	0.264		0.4	0.37	438	<10	1120	<0.5	<2	1.02	<0.5	3	41	40
G239371		3.44	0.018		<0.2	3.21	109	<10	60	0.8	<2	4.73	<0.5	33	79	56
G239372		0.81	0.088		0.9	0.39	52	<10	90	<0.5	<2	4.76	<0.5	4	11	73
G239373		1.14	0.038		0.6	0.20	28	<10	60	<0.5	<2	2.89	<0.5	2	9	58
G239374		1.50	0.024		<0.2	0.17	30	<10	70	<0.5	<2	2.94	<0.5	4	11	14
G239375			0.025		<0.2	0.16	31	<10	70	<0.5	<2	2.99	<0.5	4	11	14
G239376		1.27	0.068		0.3	0.19	64	<10	80	<0.5	<2	3.59	0.8	9	11	25
G239377		0.98	0.047		0.3	0.11	41	<10	40	<0.5	<2	1.84	4.2	6	9	25
G239378		3.34	0.146		1.1	0.35	121	<10	110	<0.5	<2	3.65	4.4	15	9	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	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	
G239339	0.76	<10	<1	0.01	<10	0.27	150	<1	0.01	3	300	8	0.01	<2	1	
G239340	0.05	<10	<1	0.01	<10	11.55	388	<1	0.01	<1	40	11	0.03	<2	<1	
G239341	2.92	<10	<1	0.14	<10	2.06	653	11	0.01	61	590	13	1.26	8	5	
G239342	1.77	<10	<1	0.12	<10	1.56	474	3	0.01	40	2800	19	0.65	9	5	
G239343	2.03	<10	<1	0.13	<10	1.97	618	2	0.01	44	1470	18	0.44	13	4	
G239344	2.75	<10	<1	0.16	<10	2.19	617	6	0.01	52	920	13	0.68	13	5	
G239345	2.56	<10	<1	0.08	<10	2.17	505	33	0.01	79	520	3	0.29	2	5	
G239346	0.48	<10	<1	0.01	<10	0.42	127	2	<0.01	7	20	<2	0.03	<2	1	
G239347	5.15	<10	1	0.14	10	10.05	1400	28	0.01	309	520	12	0.11	3	12	
G239348	3.77	<10	<1	0.04	<10	12.60	631	<1	0.01	1135	10	18	0.49	21	3	
G239349	4.02	<10	<1	0.01	<10	15.90	433	1	0.01	1420	<10	13	0.35	48	3	
G239350	3.45	10	<1	0.16	10	0.85	387	6	0.06	62	480	7	0.86	35	5	
G239351	3.78	<10	<1	0.01	<10	13.00	500	<1	0.01	1370	<10	7	0.37	53	3	
G239352	3.83	<10	<1	0.01	<10	12.90	544	<1	<0.01	1715	10	6	0.48	61	3	
G239353	4.12	<10	<1	<0.01	<10	12.95	866	<1	0.01	1865	10	2	0.39	8	4	
G239354	4.11	<10	<1	0.01	<10	14.60	628	<1	0.01	1510	<10	3	0.19	42	4	
G239355	4.12	<10	<1	<0.01	<10	16.75	631	<1	0.01	1535	<10	4	0.25	33	4	
G239356	4.05	<10	<1	0.02	<10	13.45	605	<1	0.01	1545	<10	4	0.24	36	4	
G239357	3.70	<10	<1	<0.01	<10	12.70	565	<1	0.01	1505	<10	5	0.15	65	2	
G239358	3.98	<10	<1	<0.01	<10	14.80	531	<1	<0.01	1655	<10	6	0.21	96	3	
G239359	4.03	<10	1	<0.01	<10	14.25	769	<1	<0.01	1375	<10	3	0.14	63	3	
G239360	0.07	<10	<1	<0.01	<10	12.40	479	<1	0.01	2	50	<2	<0.01	<2	<1	
G239361	4.29	<10	<1	0.02	<10	10.10	1150	<1	<0.01	1510	<10	46	0.23	51	5	
G239362	4.96	<10	<1	0.14	<10	3.45	1060	<1	0.02	76	510	64	0.56	<2	14	
G239363	6.68	10	1	0.07	<10	3.90	1235	1	0.03	51	810	2	0.14	<2	24	
G239364	5.53	10	<1	0.02	<10	3.81	1020	<1	0.03	80	670	2	0.06	<2	16	
G239365	6.27	10	<1	0.09	<10	4.43	1230	<1	0.02	80	630	2	0.21	<2	22	
G239366	4.35	<10	<1	0.05	<10	2.32	752	<1	0.01	36	370	<2	0.50	<2	12	
G239367	6.97	10	<1	0.09	<10	4.24	1215	<1	0.02	40	900	4	0.26	<2	28	
G239368	6.03	10	<1	0.10	<10	4.08	1120	<1	0.03	53	620	<2	0.14	<2	27	
G239369	6.11	10	<1	0.07	10	3.87	887	<1	0.01	77	740	<2	0.24	6	18	
G239370	3.75	<10	3	0.09	10	0.03	73	13	0.02	16	140	12	0.21	29	1	
G239371	6.07	10	<1	0.10	<10	4.41	1180	<1	0.01	54	650	5	0.77	4	25	
G239372	2.37	<10	<1	0.07	<10	2.56	591	2	0.01	27	730	4	0.63	23	3	
G239373	1.54	<10	<1	0.07	<10	0.98	271	3	<0.01	16	3230	3	0.55	36	2	
G239374	1.89	<10	<1	0.08	<10	1.32	495	2	<0.01	20	360	3	0.45	8	3	
G239375	1.85	<10	<1	0.08	<10	1.35	496	2	<0.01	20	380	3	0.45	7	3	
G239376	2.83	<10	<1	0.09	<10	1.60	554	7	<0.01	39	640	8	1.46	17	4	
G239377	1.56	<10	<1	0.06	<10	0.75	253	1	<0.01	22	480	5	0.75	14	2	
G239378	3.46	<10	<1	0.14	<10	1.69	521	13	0.01	70	620	18	2.31	33	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 ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G239339		39	<20	0.02	<10	<10	8	<10	5
G239340		213	<20	<0.01	<10	<10	2	<10	10
G239341		292	<20	<0.01	<10	<10	6	<10	140
G239342		490	<20	<0.01	<10	<10	9	<10	130
G239343		351	<20	<0.01	<10	<10	7	<10	153
G239344		280	<20	<0.01	<10	<10	7	<10	99
G239345		238	<20	<0.01	<10	<10	19	<10	134
G239346		54	<20	<0.01	<10	<10	2	<10	6
G239347		129	<20	<0.01	<10	<10	38	<10	145
G239348		10	<20	<0.01	<10	<10	6	<10	42
G239349		51	<20	<0.01	<10	<10	4	<10	25
G239350		38	<20	0.10	<10	<10	49	40	50
G239351		166	<20	<0.01	<10	<10	6	<10	23
G239352		32	<20	<0.01	<10	<10	4	<10	11
G239353		43	<20	<0.01	<10	<10	6	<10	9
G239354		169	<20	<0.01	<10	<10	7	<10	12
G239355		60	<20	<0.01	<10	<10	5	<10	8
G239356		58	<20	<0.01	<10	<10	9	<10	22
G239357		96	<20	<0.01	<10	<10	4	<10	13
G239358		31	<20	<0.01	<10	<10	5	<10	7
G239359		60	<20	<0.01	<10	<10	6	<10	12
G239360		172	<20	<0.01	<10	<10	2	<10	25
G239361		103	<20	<0.01	<10	<10	9	<10	128
G239362		113	<20	<0.01	<10	<10	35	<10	230
G239363		78	<20	0.02	<10	<10	156	<10	72
G239364		49	<20	0.20	<10	<10	130	<10	59
G239365		126	<20	<0.01	<10	<10	114	<10	61
G239366		56	<20	0.03	<10	<10	80	<10	43
G239367		151	<20	0.01	<10	<10	105	<10	75
G239368		91	<20	0.05	<10	<10	120	<10	69
G239369		121	<20	<0.01	<10	<10	123	<10	69
G239370		73	<20	0.01	10	<10	28	10	22
G239371		132	<20	<0.01	<10	<10	84	<10	77
G239372		219	<20	<0.01	<10	<10	16	<10	92
G239373		110	<20	<0.01	<10	<10	14	<10	61
G239374		152	<20	<0.01	<10	<10	7	<10	40
G239375		156	<20	<0.01	<10	<10	7	<10	43
G239376		185	<20	<0.01	<10	<10	12	<10	117
G239377		87	<20	<0.01	<10	<10	5	<10	479
G239378		183	<20	<0.01	<10	<10	27	<10	528



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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
G239379		3.13	0.094		0.7	0.38	73	<10	110	<0.5	<2	3.29	0.9	9	9	61
G239380		0.77	<0.005		<0.2	0.01	<2	10	40	<0.5	<2	16.6	<0.5	<1	<1	<1
G239381		1.30	0.216		1.1	0.41	145	<10	110	<0.5	<2	4.08	<0.5	10	14	105
G239382		3.98	0.191		1.1	0.36	169	<10	130	<0.5	<2	5.22	<0.5	10	18	85
G239383		2.27	0.154		<0.2	0.04	129	<10	10	<0.5	<2	1.86	<0.5	2	16	4
G239384		2.23	0.023		<0.2	0.02	18	<10	<10	<0.5	<2	1.40	<0.5	<1	15	3
G239385		1.76	0.036		<0.2	0.01	7	<10	<10	<0.5	<2	0.68	<0.5	<1	18	12
G239386		2.53	0.033		0.5	<0.01	8	<10	<10	<0.5	<2	1.48	<0.5	<1	15	39
G239387		2.86	0.078		<0.2	0.02	272	<10	10	<0.5	<2	5.92	<0.5	10	47	9
G239388		1.52	0.070		<0.2	0.01	36	<10	<10	<0.5	<2	3.53	<0.5	1	18	5
G239389		2.09	0.086		<0.2	0.04	69	<10	20	<0.5	<2	3.56	<0.5	2	14	1
G239390		0.07	0.820		2.1	0.67	27	<10	90	<0.5	<2	1.83	0.6	8	31	6950
G239391		1.53	0.030		<0.2	0.02	38	<10	10	<0.5	<2	2.73	<0.5	2	14	6
G239392		1.54	0.090		<0.2	0.03	60	<10	10	<0.5	<2	1.76	<0.5	1	15	1
G239393		1.86	0.374		<0.2	0.15	330	<10	30	<0.5	<2	3.10	<0.5	10	14	5
G239394		1.89	0.180		<0.2	0.10	160	<10	30	<0.5	<2	2.94	<0.5	9	13	2
G239395		2.29	0.346		<0.2	0.12	322	<10	40	<0.5	<2	2.23	<0.5	10	14	2
G239396		2.16	0.246		<0.2	0.09	224	<10	30	<0.5	<2	2.59	<0.5	8	15	3
G239397		1.78	0.048		<0.2	0.03	50	<10	10	<0.5	<2	1.23	<0.5	2	14	1
G239398		1.65	0.125		<0.2	0.05	108	<10	20	<0.5	<2	3.58	<0.5	3	12	1
G239399		2.24	0.090		<0.2	0.04	85	<10	10	<0.5	<2	3.64	<0.5	3	13	1
G239400		0.54	<0.005		<0.2	<0.01	<2	20	30	<0.5	<2	18.1	<0.5	1	<1	<1
G239401		1.35	0.094		<0.2	0.07	94	<10	20	<0.5	<2	2.29	<0.5	4	12	2
G239402		2.19	0.158		0.6	0.45	118	<10	90	<0.5	<2	4.82	0.8	8	11	28
G239403		1.71	0.169		<0.2	0.18	229	<10	60	<0.5	<2	1.75	<0.5	8	12	12
G239404		2.33	0.392		<0.2	0.17	381	<10	50	<0.5	<2	3.46	<0.5	11	12	4
G239405		2.93	0.257		<0.2	0.13	240	<10	20	<0.5	<2	2.47	<0.5	6	13	7
G239406		1.14	0.155		<0.2	0.07	129	<10	10	<0.5	2	1.90	<0.5	3	11	1
G239407		1.47	0.157		0.2	0.25	288	<10	40	<0.5	2	2.97	0.8	15	22	16
G239408		1.93	0.182		0.4	0.44	178	<10	60	<0.5	<2	3.60	0.8	11	12	27
G239409		0.38	0.101		0.3	0.31	85	<10	50	<0.5	<2	3.58	1.8	5	13	10
G239410		2.05	0.095		0.4	0.34	64	<10	40	<0.5	<2	4.20	1.5	5	10	37
G239411		2.21	0.128		17.9	0.33	114	<10	40	<0.5	<2	4.17	1.1	6	16	79
G239412		2.45	0.086		2.2	0.25	62	<10	50	<0.5	<2	4.37	1.3	4	9	47
G239413		3.51	0.114		0.4	0.27	96	<10	60	<0.5	<2	4.34	0.9	6	9	31
G239414		2.99	0.082		0.4	0.31	46	<10	40	<0.5	<2	5.02	<0.5	4	12	8
G239415		1.74	0.128		0.7	0.47	70	<10	60	<0.5	<2	4.02	0.8	6	15	24



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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
G239379		2.80	<10	<1	0.13	<10	1.42	430	6	0.01	49	1870	15	1.68	27	4
G239380		0.04	<10	<1	0.01	<10	10.60	390	<1	0.01	1	40	4	<0.01	2	<1
G239381		3.19	<10	<1	0.11	<10	1.74	440	9	0.01	59	2880	10	2.08	48	5
G239382		3.52	<10	<1	0.11	<10	2.44	671	8	0.01	82	2710	9	1.78	51	6
G239383		1.77	<10	<1	0.02	<10	0.80	276	<1	<0.01	16	20	8	0.76	4	1
G239384		0.98	<10	<1	<0.01	<10	0.58	227	<1	<0.01	4	10	4	0.14	4	<1
G239385		0.69	<10	<1	<0.01	<10	0.27	132	<1	<0.01	2	10	6	0.06	7	<1
G239386		0.95	<10	<1	<0.01	<10	0.60	239	<1	<0.01	3	<10	2	0.04	19	<1
G239387		2.27	<10	<1	0.01	<10	3.11	704	<1	<0.01	189	<10	8	0.19	11	1
G239388		1.58	<10	<1	<0.01	<10	1.48	471	<1	<0.01	19	<10	<2	0.10	2	1
G239389		1.72	<10	<1	0.02	<10	1.39	481	<1	<0.01	8	<10	<2	0.30	<2	2
G239390		6.45	<10	2	0.28	<10	0.85	895	7	0.05	15	610	22	2.60	30	3
G239391		1.49	<10	<1	0.01	<10	1.15	412	<1	<0.01	14	<10	<2	0.11	2	2
G239392		1.19	<10	<1	0.01	<10	0.71	277	<1	<0.01	4	10	<2	0.27	2	1
G239393		2.61	<10	<1	0.05	<10	1.46	475	<1	0.01	22	10	3	1.28	5	5
G239394		1.96	<10	<1	0.04	<10	1.32	435	<1	0.01	18	20	2	0.59	2	4
G239395		2.34	<10	<1	0.06	<10	0.94	361	1	0.01	24	180	6	1.35	4	4
G239396		2.14	<10	<1	0.05	<10	1.15	389	<1	0.01	18	10	4	0.92	3	3
G239397		0.89	<10	<1	0.01	<10	0.52	185	1	<0.01	6	80	3	0.31	<2	1
G239398		2.07	<10	<1	0.02	<10	1.53	508	1	0.01	9	10	3	0.51	3	3
G239399		1.92	<10	<1	0.02	<10	1.58	525	<1	<0.01	6	20	7	0.31	2	3
G239400		0.07	<10	<1	<0.01	<10	11.95	436	<1	0.01	<1	40	<2	<0.01	2	<1
G239401		1.47	<10	<1	0.02	<10	0.99	340	<1	<0.01	9	120	7	0.35	2	3
G239402		2.69	<10	<1	0.11	<10	2.64	534	12	0.01	46	1340	63	1.37	12	4
G239403		1.69	<10	<1	0.08	<10	0.83	255	4	0.01	24	350	5	0.97	4	3
G239404		2.67	<10	<1	0.07	<10	1.63	516	1	<0.01	25	70	4	1.31	3	6
G239405		1.94	<10	<1	0.05	<10	1.12	374	1	<0.01	18	50	5	0.93	2	4
G239406		1.49	<10	<1	0.03	<10	0.81	296	1	<0.01	7	60	3	0.49	<2	3
G239407		1.90	<10	<1	0.06	<10	1.51	385	8	<0.01	138	280	73	0.78	6	3
G239408		2.76	<10	<1	0.10	<10	1.71	447	18	0.01	60	1410	70	1.80	12	4
G239409		2.36	<10	<1	0.08	<10	1.63	481	22	0.01	30	670	37	0.95	7	4
G239410		2.43	<10	<1	0.07	<10	1.91	486	19	0.01	38	1150	19	1.16	9	4
G239411		2.75	<10	<1	0.07	<10	1.96	496	18	0.01	42	1170	40	1.40	10	4
G239412		2.55	<10	<1	0.07	<10	1.98	515	9	0.01	30	520	9	1.10	8	4
G239413		2.97	<10	<1	0.09	<10	2.06	503	13	0.01	38	870	10	1.60	9	4
G239414		2.51	<10	<1	0.07	<10	2.34	585	7	0.01	27	1600	6	0.88	7	4
G239415		2.63	<10	<1	0.09	<10	2.05	495	24	0.01	51	1010	38	1.22	10	4



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		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G239379		156	<20	<0.01	<10	<10	19	<10	118
G239380		152	<20	<0.01	<10	<10	2	<10	15
G239381		151	<20	<0.01	<10	<10	23	<10	62
G239382		222	<20	<0.01	<10	<10	25	<10	34
G239383		64	<20	<0.01	<10	<10	5	<10	37
G239384		46	<20	<0.01	<10	<10	3	<10	28
G239385		20	<20	<0.01	<10	<10	2	<10	12
G239386		46	<20	<0.01	<10	<10	3	<10	12
G239387		302	<20	<0.01	<10	<10	13	<10	15
G239388		117	<20	<0.01	<10	<10	7	<10	10
G239389		112	<20	<0.01	<10	<10	7	<10	9
G239390		65	<20	0.04	<10	<10	40	<10	102
G239391		104	<20	<0.01	<10	<10	6	<10	6
G239392		55	<20	<0.01	<10	<10	4	<10	5
G239393		93	<20	<0.01	<10	<10	12	<10	12
G239394		91	<20	<0.01	<10	<10	10	<10	11
G239395		75	<20	<0.01	<10	<10	9	<10	22
G239396		88	<20	<0.01	<10	<10	9	<10	20
G239397		41	<20	<0.01	<10	<10	4	<10	6
G239398		130	<20	<0.01	<10	<10	10	<10	15
G239399		135	<20	<0.01	<10	<10	10	<10	16
G239400		198	<20	<0.01	<10	<10	2	<10	14
G239401		84	<20	<0.01	<10	<10	7	<10	21
G239402		184	<20	<0.01	<10	<10	35	<10	185
G239403		63	<20	<0.01	<10	<10	10	<10	12
G239404		125	<20	<0.01	<10	<10	12	<10	12
G239405		75	<20	<0.01	<10	<10	9	<10	12
G239406		64	<20	<0.01	<10	<10	6	<10	10
G239407		139	<20	<0.01	<10	<10	17	<10	188
G239408		146	<20	<0.01	<10	<10	36	<10	147
G239409		152	<20	<0.01	<10	<10	40	<10	454
G239410		176	<20	<0.01	<10	<10	34	<10	236
G239411		172	<20	<0.01	<10	<10	40	60	189
G239412		183	<20	<0.01	<10	<10	21	<10	201
G239413		198	<20	<0.01	<10	<10	20	<10	127
G239414		226	<20	<0.01	<10	<10	25	<10	22
G239415		177	<20	<0.01	<10	<10	46	<10	161



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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12220443**

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non-sufficient sample.



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**CERTIFICATE TR12220442**

Project: CMV12-01  
 P.O. No.: CMV12-01\_62  
 This report is for 113 Drill Core samples submitted to our lab in Terrace, BC, Canada on 18-SEP-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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 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 TR12220442**

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
G239416		3.27	0.007		1.0	0.33	7	<10	210	<0.5	<2	10.3	3.2	4	8	45
G239417		3.53	0.013		0.6	0.27	44	<10	180	<0.5	<2	16.6	1.9	7	5	36
G239418		1.43	0.037		0.9	0.25	44	<10	110	<0.5	<2	10.6	6.6	5	7	57
G239419		3.48	0.011		1.3	0.27	52	<10	130	<0.5	<2	8.3	9.0	6	11	52
G239420		0.08	2.20		0.4	2.34	12	<10	80	<0.5	<2	0.67	<0.5	9	31	693
G239421		3.12	0.025		0.9	0.31	15	<10	160	<0.5	<2	3.81	1.0	8	9	62
G239422		2.27	0.008		0.5	0.18	3	<10	1080	<0.5	<2	10.1	<0.5	2	12	23
G239423		4.04	0.015		1.9	0.52	13	<10	180	<0.5	<2	2.71	0.5	8	10	64
G239424		2.29	0.017		1.4	0.36	20	<10	170	<0.5	<2	4.08	0.6	7	9	60
G239425		1.98	0.018		1.3	0.31	17	<10	140	<0.5	<2	3.99	0.5	7	8	63
G239426		4.00	0.015		1.2	0.31	21	<10	270	<0.5	<2	5.70	<0.5	8	7	43
G239427		3.86	0.019		2.2	0.50	32	<10	120	<0.5	<2	2.23	0.6	10	9	81
G239428		4.01	0.006		1.1	0.48	20	<10	130	<0.5	<2	3.25	0.5	8	9	57
G239429		2.92	0.009		1.2	0.31	18	<10	120	<0.5	<2	4.13	0.9	8	6	55
G239430		0.37	<0.005		<0.2	0.02	<2	<10	10	<0.5	<2	>25.0	<0.5	1	<1	<1
G239431		2.72	0.010		1.5	0.23	14	<10	90	<0.5	<2	4.69	2.5	6	7	33
G239432		2.82	0.010		1.5	0.25	32	<10	100	<0.5	<2	4.33	5.4	6	9	43
G239433		2.59	0.015		2.0	0.32	36	<10	120	<0.5	<2	3.86	6.4	7	9	59
G239434		1.09	<0.005		3.5	0.04	3	<10	10	<0.5	<2	1.00	1.7	1	11	76
G239435		3.34	0.014		1.2	0.24	48	<10	500	<0.5	<2	7.29	7.5	8	7	68
G239436		2.99	0.021		2.9	0.34	51	<10	130	<0.5	<2	2.90	3.3	10	9	84
G239437		1.64	0.018		1.2	0.28	19	<10	100	<0.5	<2	3.78	0.5	7	6	60
G239438		3.79	0.014		0.8	0.29	28	<10	120	<0.5	<2	3.79	1.2	8	10	67
G239439		3.25	0.009		1.4	0.31	29	<10	120	<0.5	<2	3.67	2.2	8	8	53
G239440		0.08	3.58		3.6	1.36	241	<10	420	<0.5	<2	1.25	1.5	9	49	72
G239441		3.36	0.008		1.0	0.25	43	<10	120	<0.5	<2	4.28	3.3	7	10	55
G239442		3.29	0.016		1.5	0.35	42	<10	150	<0.5	<2	2.99	3.4	15	7	117
G239443		2.19	0.015		1.3	0.34	56	<10	150	<0.5	<2	2.89	4.0	15	8	89
G239444		2.78	0.007		0.6	0.26	50	<10	130	<0.5	<2	3.04	1.8	13	12	58
G239445		1.49	<0.005		<0.2	0.03	3	<10	20	<0.5	<2	0.53	<0.5	2	12	13
G239446		3.01	<0.005		<0.2	0.34	34	<10	150	<0.5	<2	1.17	0.8	18	7	70
G239447		2.54	0.027		0.9	0.32	55	<10	100	<0.5	<2	1.72	1.8	15	8	60
G239448		3.46	0.014		0.5	0.31	47	<10	140	<0.5	<2	2.57	2.0	15	7	55
G239449		2.53	<0.005		<0.2	0.27	28	<10	160	<0.5	2	1.12	0.5	21	7	62
G239450		0.74	<0.005		<0.2	0.01	<2	10	50	<0.5	<2	19.8	<0.5	2	<1	1
G239451		3.37	<0.005		<0.2	0.24	28	<10	150	<0.5	2	1.85	<0.5	14	7	58
G239452		2.10	0.005		<0.2	0.29	23	<10	170	<0.5	2	3.13	<0.5	8	8	38
G239453		3.15	0.008		0.3	0.48	35	<10	160	<0.5	<2	2.70	2.7	4	10	37
G239454		3.56	0.007		0.3	0.45	32	<10	170	<0.5	<2	3.42	2.5	4	11	31
G239455		4.13	0.012		0.5	0.51	33	<10	190	<0.5	<2	3.31	2.5	5	11	45





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Project: CMV12-01

**CERTIFICATE OF ANALYSIS TR12220442**

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	
G239416		1.92	<10	<1	0.13	<10	2.61	382	3	0.02	27	1360	4	0.68	<2	4
G239417		2.50	<10	<1	0.10	<10	1.56	404	53	0.02	80	770	61	1.66	20	5
G239418		2.81	<10	<1	0.08	<10	4.30	647	36	0.02	61	820	210	1.29	41	4
G239419		3.07	<10	1	0.10	<10	2.67	483	54	0.02	77	810	105	1.68	17	4
G239420		4.52	10	<1	0.13	10	0.99	809	8	0.10	21	710	12	0.10	2	6
G239421		2.51	<10	<1	0.15	<10	1.74	271	11	0.01	46	360	10	1.08	9	4
G239422		2.20	<10	<1	0.04	<10	5.14	503	<1	0.02	22	440	6	0.19	<2	2
G239423		2.17	<10	1	0.15	<10	1.38	284	1	0.01	54	620	6	0.74	4	4
G239424		2.10	<10	<1	0.16	<10	1.97	388	1	0.01	42	640	5	0.71	4	4
G239425		1.97	<10	<1	0.16	<10	1.85	387	<1	<0.01	39	610	7	0.68	10	4
G239426		2.61	<10	<1	0.15	<10	2.90	585	1	0.01	45	670	10	0.85	8	4
G239427		2.54	<10	<1	0.16	<10	1.17	341	1	<0.01	73	530	9	0.93	8	4
G239428		2.40	<10	<1	0.16	<10	1.60	371	<1	0.01	47	400	7	0.61	5	3
G239429		2.12	<10	<1	0.16	<10	1.93	352	<1	0.01	38	410	5	0.75	7	4
G239430		0.03	<10	<1	<0.01	<10	1.63	27	<1	0.01	<1	30	<2	0.05	<2	<1
G239431		1.93	<10	<1	0.12	<10	2.16	382	6	<0.01	32	620	10	0.73	11	3
G239432		1.88	<10	<1	0.13	<10	2.00	323	13	0.01	44	1000	9	0.95	9	3
G239433		1.99	<10	<1	0.17	<10	1.68	327	27	0.01	60	1110	12	1.24	14	4
G239434		0.64	<10	<1	0.01	<10	0.37	95	<1	<0.01	5	410	<2	0.09	26	1
G239435		2.30	<10	<1	0.15	<10	3.90	778	54	0.01	64	750	8	0.97	9	3
G239436		2.49	<10	<1	0.18	<10	1.24	328	34	0.01	84	580	15	1.55	7	3
G239437		1.85	<10	<1	0.15	<10	1.66	434	<1	0.01	33	620	6	0.65	6	3
G239438		2.27	<10	<1	0.15	<10	1.57	404	6	0.01	40	1230	6	0.94	4	3
G239439		2.01	<10	<1	0.16	<10	1.50	334	10	0.01	48	1380	7	0.99	4	3
G239440		3.19	10	6	0.13	10	0.77	426	11	0.06	39	750	291	0.64	29	4
G239441		2.03	<10	<1	0.15	<10	1.84	451	13	0.01	50	940	4	0.80	5	3
G239442		3.26	<10	<1	0.18	<10	1.19	331	28	0.01	58	1100	20	2.64	7	3
G239443		3.48	<10	<1	0.18	<10	1.05	361	43	0.01	63	1930	22	2.91	16	3
G239444		3.43	<10	<1	0.14	<10	1.23	711	15	0.01	57	700	18	2.48	12	4
G239445		0.81	<10	<1	0.02	<10	0.18	225	<1	<0.01	8	90	<2	0.18	<2	1
G239446		2.44	<10	<1	0.20	<10	0.41	588	<1	0.01	59	240	8	2.04	3	3
G239447		3.83	<10	<1	0.16	<10	0.62	564	30	0.01	57	790	38	3.70	21	3
G239448		3.42	<10	<1	0.16	<10	1.03	792	28	0.01	51	480	29	2.93	16	3
G239449		2.63	<10	<1	0.15	<10	0.38	684	39	0.01	56	280	13	2.32	4	3
G239450		0.05	<10	<1	<0.01	<10	12.10	379	<1	0.01	<1	40	<2	0.02	2	<1
G239451		3.87	<10	<1	0.13	<10	0.66	886	<1	0.01	37	280	17	2.41	2	3
G239452		3.33	<10	<1	0.14	<10	1.00	952	<1	0.01	29	1020	10	1.98	4	4
G239453		2.10	<10	1	0.15	<10	0.68	489	5	0.01	38	4000	11	1.18	12	4
G239454		2.14	<10	<1	0.16	<10	0.98	296	4	0.01	33	4080	10	1.17	13	4
G239455		2.10	<10	<1	0.17	<10	0.93	244	5	0.01	35	4240	11	1.25	14	4



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**CERTIFICATE OF ANALYSIS TR12220442**

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
G239416		634	<20	<0.01	<10	<10	13	<10	129
G239417		968	<20	<0.01	<10	<10	39	<10	208
G239418		404	<20	<0.01	<10	<10	54	<10	905
G239419		250	<20	<0.01	<10	<10	46	<10	985
G239420		34	<20	0.15	<10	<10	66	<10	92
G239421		202	<20	<0.01	<10	<10	8	<10	122
G239422		882	<20	<0.01	<10	<10	11	<10	67
G239423		189	<20	<0.01	<10	<10	7	<10	144
G239424		278	<20	<0.01	<10	<10	7	<10	109
G239425		264	<20	<0.01	<10	<10	5	<10	99
G239426		363	<20	<0.01	<10	<10	6	<10	120
G239427		145	<20	<0.01	<10	<10	7	<10	158
G239428		184	<20	<0.01	<10	<10	6	<10	105
G239429		183	<20	<0.01	<10	<10	7	<10	104
G239430		4860	<20	<0.01	<10	<10	<1	<10	<2
G239431		161	<20	<0.01	<10	<10	12	<10	171
G239432		148	<20	<0.01	<10	<10	20	<10	360
G239433		128	<20	<0.01	<10	<10	28	<10	410
G239434		71	<20	<0.01	<10	<10	3	<10	106
G239435		322	<20	<0.01	<10	<10	36	<10	520
G239436		138	<20	<0.01	<10	<10	18	<10	265
G239437		165	<20	<0.01	<10	<10	6	<10	90
G239438		183	<20	<0.01	<10	<10	11	<10	118
G239439		159	<20	<0.01	<10	<10	14	<10	180
G239440		33	<20	0.08	<10	<10	53	<10	256
G239441		178	<20	<0.01	<10	<10	19	<10	239
G239442		156	<20	<0.01	<10	10	26	<10	274
G239443		143	<20	<0.01	<10	10	23	<10	274
G239444		146	<20	<0.01	<10	<10	12	<10	124
G239445		25	<20	<0.01	<10	<10	2	<10	10
G239446		48	<20	<0.01	<10	<10	6	<10	93
G239447		65	<20	<0.01	<10	10	12	<10	136
G239448		106	<20	<0.01	<10	10	12	<10	131
G239449		50	<20	<0.01	<10	<10	6	<10	76
G239450		298	<20	<0.01	<10	<10	2	<10	21
G239451		84	<20	<0.01	<10	<10	5	<10	56
G239452		134	<20	<0.01	<10	<10	8	<10	82
G239453		111	<20	<0.01	<10	<10	25	<10	341
G239454		144	<20	<0.01	<10	<10	24	<10	311
G239455		142	<20	<0.01	<10	<10	25	<10	329



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**CERTIFICATE OF ANALYSIS TR12220442**

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
G239456		3.18	0.016		0.3	0.52	30	<10	200	<0.5	<2	3.30	2.4	4	11	33
G239457		3.34	0.022		0.4	0.53	31	<10	250	<0.5	<2	3.62	2.6	5	11	38
G239458		2.68	0.018		0.5	0.51	43	<10	220	<0.5	2	3.61	3.3	6	12	51
G239459		2.52	0.027		0.4	0.57	44	<10	220	<0.5	<2	4.81	2.2	5	19	43
G239460		0.07	9.76	NSS	0.5	1.44	3820	<10	60	<0.5	2	0.79	<0.5	14	64	66
G239461		3.66	0.023		<0.2	0.22	287	<10	40	<0.5	<2	5.61	<0.5	81	518	17
G239462		5.07	0.008		<0.2	0.19	281	<10	10	<0.5	<2	1.97	<0.5	74	714	3
G239463		5.20	<0.005		<0.2	0.20	460	<10	<10	<0.5	<2	2.70	<0.5	90	831	8
G239464		5.03	0.011		<0.2	0.04	1260	<10	10	<0.5	<2	2.68	<0.5	79	214	7
G239465		4.74	0.013		<0.2	0.13	637	<10	10	<0.5	<2	1.73	<0.5	92	487	7
G239466		3.83	0.019		<0.2	0.12	1250	<10	20	<0.5	<2	3.38	<0.5	85	362	7
G239467		1.31	0.011		<0.2	0.02	1165	<10	20	<0.5	<2	5.20	<0.5	60	160	5
G239468		2.00	0.025		<0.2	0.04	943	<10	20	<0.5	<2	2.54	<0.5	47	94	7
G239469		3.69	0.010		<0.2	0.05	1260	<10	20	<0.5	<2	4.39	<0.5	58	146	6
G239470		0.32	<0.005		<0.2	0.01	<2	<10	<10	<0.5	<2	>25.0	<0.5	1	<1	<1
G239471		1.95	0.012		<0.2	0.11	1425	<10	50	<0.5	2	0.20	<0.5	68	116	7
G239472		3.35	0.042		<0.2	0.28	223	<10	110	<0.5	2	0.68	1.0	14	50	6
G239473		2.69	0.041		<0.2	0.30	192	<10	120	<0.5	<2	0.44	0.6	22	35	1
G239474		2.36	0.014		0.2	0.05	1675	<10	20	<0.5	<2	0.09	<0.5	78	103	8
G239475			0.014		0.2	0.06	1675	<10	20	<0.5	2	0.09	<0.5	79	123	7
G239476		1.76	0.021		0.2	0.02	1325	<10	10	<0.5	<2	0.08	<0.5	65	56	13
G239477		3.54	0.017		0.2	0.02	1365	<10	10	<0.5	<2	0.57	<0.5	86	85	13
G239478		3.38	0.005		0.2	0.02	1305	<10	10	<0.5	<2	0.74	<0.5	77	110	12
G239479		3.59	0.009		0.2	0.39	30	<10	20	<0.5	<2	0.64	<0.5	32	68	107
G239480		0.07	0.276		0.4	0.37	420	<10	1050	<0.5	2	1.03	<0.5	3	39	39
G239481		2.92	0.013		0.3	0.03	1595	<10	10	<0.5	<2	0.13	1.2	83	68	15
G239482		2.21	0.006		0.3	0.03	1475	<10	10	<0.5	<2	0.33	<0.5	77	81	12
G239483		2.95	0.025		0.3	0.02	1545	<10	10	<0.5	<2	0.29	<0.5	78	72	21
G239484		1.20	0.021		0.4	0.02	1605	<10	10	<0.5	<2	0.09	<0.5	73	62	13
G239485		0.74	0.023		0.2	0.02	999	<10	10	<0.5	2	0.15	<0.5	52	54	7
G239486		2.39	0.009		0.3	0.31	1465	<10	10	<0.5	<2	0.18	<0.5	79	553	9
G239487		1.80	0.006		<0.2	0.29	408	<10	10	<0.5	<2	1.22	<0.5	76	704	6
G239488		2.80	0.173		0.2	0.46	34	<10	170	<0.5	2	0.08	<0.5	9	20	149
G239489		4.17	0.036		0.2	0.25	74	<10	290	<0.5	<2	0.02	<0.5	8	8	55
G239490		0.35	<0.005		<0.2	0.02	<2	<10	10	<0.5	<2	>25.0	<0.5	1	<1	<1
G239491		3.86	0.005		<0.2	0.28	32	<10	350	<0.5	<2	0.08	<0.5	7	6	46
G239492		3.85	0.013		<0.2	0.25	40	<10	400	<0.5	<2	0.05	<0.5	7	6	59
G239493		1.89	0.015		<0.2	0.21	49	<10	350	<0.5	<2	0.02	<0.5	6	7	95
G239494		3.30	0.023		0.2	0.16	83	<10	340	<0.5	<2	0.02	<0.5	10	8	68
G239495		4.01	0.026		0.4	0.17	111	<10	360	<0.5	<2	0.07	<0.5	12	9	115



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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	
G239456		2.12	<10	<1	0.18	10	0.92	312	4	0.01	34	4140	11	1.20	13	5
G239457		2.21	<10	<1	0.19	<10	1.07	352	5	0.01	36	4160	10	1.17	17	5
G239458		2.45	<10	<1	0.19	<10	1.01	345	6	0.01	41	4510	9	1.41	14	5
G239459		2.51	<10	1	0.20	<10	1.43	263	40	0.01	36	8680	8	1.60	26	4
G239460		3.43	<10	<1	0.17	10	0.84	375	5	0.06	62	490	4	0.89	37	5
G239461		4.63	<10	<1	0.03	<10	10.70	599	46	0.01	1430	3180	4	1.43	15	8
G239462		4.14	<10	<1	<0.01	<10	12.45	644	<1	<0.01	822	20	2	0.22	12	22
G239463		2.88	<10	<1	<0.01	<10	5.40	504	<1	<0.01	1460	<10	<2	0.23	60	7
G239464		3.27	<10	<1	0.01	<10	11.05	763	<1	0.01	1395	<10	3	0.18	83	5
G239465		2.85	<10	<1	0.01	<10	7.86	470	1	<0.01	1470	10	<2	0.23	61	4
G239466		4.60	<10	<1	0.03	<10	13.55	546	<1	<0.01	1335	10	2	0.22	42	8
G239467		3.44	<10	<1	0.01	<10	10.60	520	<1	<0.01	1000	<10	9	0.11	36	5
G239468		1.47	<10	<1	0.02	<10	2.30	207	5	<0.01	807	3530	17	0.19	54	2
G239469		1.86	<10	<1	0.02	<10	3.29	354	1	<0.01	1070	6650	16	0.21	63	3
G239470		0.03	<10	<1	<0.01	<10	1.82	21	<1	0.01	1	50	<2	0.05	<2	1
G239471		1.67	<10	<1	0.06	<10	0.36	321	3	0.01	1195	380	10	0.39	114	2
G239472		2.06	<10	<1	0.14	10	0.36	519	21	0.01	196	2980	6	0.19	36	3
G239473		1.39	<10	<1	0.16	10	0.12	347	23	0.01	161	1880	3	0.45	53	2
G239474		1.02	<10	<1	0.02	<10	0.14	62	<1	<0.01	1440	10	3	0.85	192	<1
G239475		1.18	<10	<1	0.03	<10	0.15	77	<1	<0.01	1445	<10	2	0.88	198	<1
G239476		0.99	<10	<1	0.01	<10	0.12	51	1	<0.01	1140	<10	5	0.80	174	<1
G239477		2.07	<10	<1	0.01	<10	3.18	148	<1	<0.01	1435	<10	11	1.06	144	1
G239478		2.82	<10	<1	0.01	<10	8.57	251	<1	<0.01	1360	<10	6	0.40	79	3
G239479		3.84	<10	1	0.03	140	0.44	646	4	0.01	101	2560	10	0.75	17	8
G239480		3.67	<10	3	0.09	10	0.03	71	13	0.02	16	140	12	0.23	32	1
G239481		1.74	<10	<1	0.01	10	0.62	258	1	<0.01	1480	60	63	0.72	134	2
G239482		1.48	<10	<1	0.02	<10	1.43	189	<1	<0.01	1395	10	5	0.28	136	2
G239483		1.04	<10	<1	0.01	<10	0.85	120	<1	<0.01	1500	<10	10	0.33	115	1
G239484		1.28	<10	<1	0.01	<10	1.27	111	1	<0.01	1445	<10	5	0.48	53	<1
G239485		1.45	<10	<1	0.01	<10	0.20	178	<1	<0.01	962	<10	43	0.60	76	<1
G239486		1.05	<10	<1	0.01	<10	0.89	92	<1	<0.01	1480	10	2	0.31	126	<1
G239487		2.25	<10	<1	0.01	<10	4.48	347	<1	<0.01	1485	20	<2	0.24	80	3
G239488		2.54	<10	<1	0.08	10	0.63	773	<1	0.02	64	220	3	0.32	19	6
G239489		2.03	<10	<1	0.13	10	0.26	144	<1	0.01	30	30	5	1.16	4	2
G239490		0.03	<10	<1	<0.01	<10	1.72	18	<1	0.01	2	40	<2	0.03	2	<1
G239491		1.68	<10	<1	0.14	10	0.48	129	<1	0.01	29	100	3	0.18	4	3
G239492		1.87	<10	<1	0.13	10	0.49	134	<1	0.01	27	70	6	0.48	3	2
G239493		1.37	<10	<1	0.10	<10	0.23	84	1	0.01	25	40	8	0.60	4	1
G239494		1.03	<10	<1	0.08	<10	0.14	64	<1	0.01	38	30	2	0.52	8	1
G239495		1.12	<10	<1	0.09	<10	0.15	82	11	0.01	45	30	4	0.65	13	1

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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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 %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
		1	20	0.01	10	10	1	10	2
G239456		140	<20	<0.01	<10	10	26	<10	323
G239457		149	<20	<0.01	<10	<10	28	<10	350
G239458		143	<20	<0.01	<10	<10	28	<10	416
G239459		191	<20	<0.01	<10	10	41	<10	270
G239460		38	<20	0.10	<10	<10	48	40	49
G239461		147	<20	<0.01	<10	10	18	<10	25
G239462		50	<20	<0.01	<10	<10	22	<10	7
G239463		47	<20	<0.01	<10	<10	16	<10	9
G239464		84	<20	<0.01	<10	<10	5	<10	6
G239465		40	<20	<0.01	<10	<10	7	<10	5
G239466		205	<20	<0.01	<10	<10	13	<10	10
G239467		333	<20	<0.01	<10	<10	9	<10	38
G239468		158	<20	<0.01	<10	10	5	<10	73
G239469		283	<20	<0.01	<10	<10	7	<10	43
G239470		5280	<20	<0.01	<10	<10	1	<10	<2
G239471		16	<20	<0.01	<10	<10	8	<10	84
G239472		27	<20	<0.01	<10	20	16	<10	112
G239473		16	<20	<0.01	<10	10	14	<10	212
G239474		5	<20	<0.01	<10	<10	2	<10	47
G239475		4	<20	<0.01	<10	<10	3	<10	49
G239476		5	<20	<0.01	10	<10	1	<10	30
G239477		22	<20	<0.01	<10	<10	2	<10	11
G239478		33	<20	<0.01	<10	<10	2	<10	12
G239479		49	20	0.01	<10	10	66	<10	69
G239480		74	<20	0.01	10	<10	27	10	21
G239481		7	<20	<0.01	<10	<10	5	<10	234
G239482		14	<20	<0.01	<10	<10	3	<10	16
G239483		13	<20	<0.01	<10	<10	1	<10	16
G239484		4	<20	<0.01	<10	<10	2	<10	30
G239485		7	<20	<0.01	<10	<10	2	<10	33
G239486		3	<20	<0.01	<10	<10	10	<10	19
G239487		18	<20	<0.01	<10	<10	12	<10	21
G239488		4	<20	<0.01	<10	<10	20	<10	66
G239489		3	<20	<0.01	<10	<10	5	<10	63
G239490		5600	<20	<0.01	<10	<10	1	<10	<2
G239491		7	<20	<0.01	<10	<10	6	<10	53
G239492		4	<20	<0.01	<10	<10	5	<10	59
G239493		2	<20	<0.01	<10	<10	6	<10	99
G239494		2	<20	<0.01	<10	<10	5	<10	35
G239495		3	<20	<0.01	<10	<10	5	<10	42



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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
G239496		3.96	0.034		0.4	0.18	97	<10	370	<0.5	<2	0.08	<0.5	7	8	92
G239497		3.71	0.026		<0.2	0.18	85	<10	300	<0.5	<2	0.03	<0.5	5	8	89
G239498		4.15	0.065		0.2	0.21	142	<10	250	<0.5	<2	0.02	<0.5	6	7	86
G239499		2.06	0.013		<0.2	0.06	22	<10	20	<0.5	<2	0.05	<0.5	2	18	19
G239500		0.08	0.708		3.8	0.64	26	<10	90	<0.5	<2	1.82	0.6	8	29	6820
G239501		3.70	0.052		<0.2	0.43	226	<10	80	<0.5	<2	0.19	<0.5	36	20	48
G239502		1.39	0.084		<0.2	0.34	207	<10	30	<0.5	<2	0.39	<0.5	33	16	53
G239503		5.17	<0.005		<0.2	2.00	251	<10	70	<0.5	<2	0.16	<0.5	49	325	35
G239504		3.08	0.208		0.2	0.38	736	<10	40	<0.5	<2	0.23	0.8	42	106	81
G239505		3.64	0.126		0.2	0.80	577	<10	60	<0.5	<2	0.09	0.5	50	207	87
G239506		3.17	0.319		<0.2	0.34	694	<10	90	<0.5	<2	1.34	<0.5	40	21	69
G239507		3.86	0.234		0.2	0.34	457	<10	80	<0.5	<2	7.5	0.6	29	21	79
G239508		2.13	0.237		0.7	0.27	442	<10	90	<0.5	<2	7.7	<0.5	21	15	53
G239509		5.66	0.031		<0.2	0.40	196	<10	130	<0.5	<2	7.7	<0.5	31	24	56
G239510		0.37	<0.005		<0.2	0.25	3	<10	<10	<0.5	2	>25.0	<0.5	<1	<1	1
G239511		1.55	0.140		<0.2	0.37	303	<10	120	<0.5	<2	7.5	<0.5	34	16	47
G239512		2.86	0.705		1.1	0.24	1060	<10	70	<0.5	<2	9.4	1.0	45	41	78
G239513		4.06	3.25		2.8	0.28	1160	<10	80	<0.5	<2	7.10	0.5	35	17	251
G239514		3.65	0.898		0.8	0.29	996	<10	80	<0.5	<2	6.72	<0.5	37	23	109
G239515		2.29	1.025		0.4	0.23	1140	<10	70	<0.5	<2	7.4	<0.5	30	18	89
G239516		1.98	0.707		0.6	0.31	976	<10	70	<0.5	<2	7.3	<0.5	32	12	72
G239517		5.24	0.785		0.3	0.31	1220	<10	80	<0.5	<2	7.6	<0.5	35	14	49
G239518		4.24	0.632		0.3	0.30	962	<10	70	<0.5	<2	8.9	<0.5	33	22	47
G239519		2.32	0.776		1.0	0.27	899	<10	60	<0.5	<2	8.6	<0.5	33	17	52
G239520		0.08	2.05		0.3	2.13	13	<10	50	<0.5	<2	0.64	<0.5	8	29	632
G239521		2.60	0.640		0.6	0.27	701	<10	60	<0.5	<2	6.88	0.6	24	15	39
G239522		1.59	0.108		0.4	0.11	506	<10	20	<0.5	<2	12.3	1.2	19	64	49
G239523		2.31	0.056		0.3	0.40	62	<10	90	<0.5	<2	4.98	1.5	4	23	27
G239524		1.70	0.088		0.3	0.50	72	<10	70	<0.5	2	4.12	1.0	8	14	29
G239525			0.085		0.3	0.45	67	<10	70	<0.5	<2	3.85	0.9	7	13	28
G239526		2.87	0.042		0.6	0.35	17	<10	110	<0.5	<2	5.62	1.9	8	7	36
G239527		3.91	0.067		1.2	0.30	82	<10	130	<0.5	<2	4.81	9.1	15	13	89
G239528		2.22	0.077		0.7	0.35	107	<10	140	<0.5	<2	3.90	11.0	6	16	43

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**CERTIFICATE OF ANALYSIS TR12220442**

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
G239496		1.17	<10	<1	0.10	<10	0.16	96	16	0.01	31	30	6	0.66	9	1
G239497		1.12	<10	<1	0.09	<10	0.15	68	1	0.01	24	30	3	0.60	3	1
G239498		1.20	<10	<1	0.11	<10	0.04	56	<1	0.01	20	30	2	0.96	3	2
G239499		2.00	<10	1	0.02	<10	0.02	84	<1	0.01	7	40	<2	1.56	8	1
G239500		6.24	<10	2	0.28	<10	0.85	869	6	0.05	13	610	20	2.58	28	3
G239501		5.85	<10	1	0.10	<10	0.53	880	<1	0.04	66	470	<2	3.44	10	20
G239502		7.29	<10	<1	0.10	<10	0.31	426	<1	0.03	59	390	2	7.09	30	10
G239503		5.14	<10	<1	0.08	<10	2.35	895	<1	0.04	294	250	<2	0.51	8	18
G239504		8.30	<10	<1	0.10	<10	0.75	829	<1	0.01	345	70	40	6.85	34	16
G239505		3.56	<10	<1	0.10	<10	1.01	374	<1	0.03	355	190	36	1.71	24	8
G239506		4.53	<10	<1	0.14	<10	0.92	533	<1	0.05	90	430	23	2.81	7	16
G239507		5.15	<10	<1	0.12	<10	3.76	888	<1	0.05	74	370	26	1.69	8	19
G239508		4.47	<10	<1	0.09	<10	3.24	855	<1	0.04	68	420	7	1.63	14	14
G239509		4.05	<10	<1	0.12	<10	3.59	828	<1	0.08	91	270	5	0.34	5	18
G239510		0.16	<10	1	0.01	<10	1.82	30	<1	0.02	<1	60	<2	0.21	<2	1
G239511		4.09	<10	<1	0.12	<10	3.03	828	<1	0.06	91	420	25	1.05	12	24
G239512		4.44	<10	<1	0.12	<10	4.73	984	<1	0.01	334	50	42	2.54	26	14
G239513		6.20	<10	<1	0.16	<10	3.46	875	<1	0.01	150	50	21	4.87	135	15
G239514		5.68	<10	<1	0.17	<10	3.02	955	<1	0.02	143	180	10	3.77	33	15
G239515		6.22	<10	<1	0.14	<10	3.38	984	<1	0.02	112	260	10	4.28	27	12
G239516		5.20	<10	<1	0.16	<10	3.37	966	<1	0.01	71	340	5	3.31	31	20
G239517		6.12	<10	<1	0.17	<10	3.43	1020	<1	0.01	99	390	6	4.23	30	20
G239518		5.91	<10	<1	0.16	<10	3.94	1085	<1	0.02	120	160	10	3.20	23	21
G239519		5.67	<10	<1	0.15	<10	3.83	1060	<1	0.02	119	210	11	3.20	21	16
G239520		4.08	10	1	0.15	10	0.89	746	7	0.09	19	650	9	0.10	4	5
G239521		5.03	<10	<1	0.13	<10	3.06	957	<1	0.02	56	50	35	2.98	12	14
G239522		3.70	<10	<1	0.02	<10	6.25	1165	<1	0.01	322	20	107	1.10	21	4
G239523		2.53	<10	<1	0.11	<10	2.08	430	6	0.01	43	3660	8	1.28	13	5
G239524		2.85	<10	<1	0.12	<10	1.75	492	8	0.01	46	2570	9	1.45	15	6
G239525		2.51	<10	<1	0.11	<10	1.63	459	7	0.01	41	2390	8	1.28	14	5
G239526		2.60	<10	<1	0.16	<10	2.47	513	6	0.01	32	900	9	0.86	16	5
G239527		3.29	<10	<1	0.15	<10	2.16	454	50	0.01	108	1010	14	2.32	57	7
G239528		2.21	<10	<1	0.16	<10	1.62	296	88	0.01	130	2230	15	1.28	35	4

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**CERTIFICATE OF ANALYSIS TR12220442**

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
G239496		3	<20	<0.01	<10	<10	5	<10	48
G239497		2	<20	<0.01	<10	<10	5	<10	40
G239498		2	<20	<0.01	<10	<10	5	<10	48
G239499		2	<20	<0.01	<10	<10	3	<10	11
G239500		62	<20	0.04	<10	<10	39	<10	97
G239501		5	<20	<0.01	<10	<10	30	<10	73
G239502		8	<20	<0.01	10	<10	21	<10	55
G239503		4	<20	<0.01	<10	<10	63	<10	65
G239504		4	<20	<0.01	10	<10	18	<10	211
G239505		4	<20	<0.01	<10	<10	27	<10	133
G239506		32	<20	<0.01	<10	<10	21	<10	115
G239507		201	<20	<0.01	<10	<10	25	<10	142
G239508		172	<20	<0.01	<10	<10	20	<10	57
G239509		144	<20	<0.01	<10	<10	15	<10	57
G239510		5070	<20	<0.01	<10	<10	2	<10	<2
G239511		173	<20	<0.01	<10	<10	19	<10	81
G239512		376	<20	<0.01	<10	<10	21	<10	271
G239513		277	<20	<0.01	<10	<10	19	<10	85
G239514		211	<20	<0.01	<10	<10	19	<10	94
G239515		254	<20	<0.01	<10	<10	20	<10	40
G239516		225	<20	<0.01	<10	<10	22	<10	30
G239517		213	<20	<0.01	<10	<10	22	<10	34
G239518		236	<20	<0.01	<10	<10	26	<10	48
G239519		242	<20	<0.01	<10	<10	23	<10	73
G239520		31	<20	0.14	<10	<10	59	<10	81
G239521		194	<20	<0.01	<10	<10	24	<10	171
G239522		468	<20	<0.01	<10	<10	21	<10	304
G239523		164	<20	<0.01	<10	<10	34	<10	229
G239524		186	<20	<0.01	<10	<10	31	<10	127
G239525		173	<20	<0.01	<10	<10	28	<10	119
G239526		212	<20	<0.01	<10	<10	17	<10	134
G239527		195	<20	<0.01	<10	<10	58	<10	586
G239528		137	<20	<0.01	<10	<10	136	<10	1030





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**CERTIFICATE OF ANALYSIS TR12220442**

Method	CERTIFICATE COMMENTS
ALL METHODS ME-ICP41	NSS is non-sufficient sample. 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 TR12220445**

Project: CMV12-01  
 P.O. No.: CMV12-01\_63  
 This report is for 122 Drill Core samples submitted to our lab in Terrace, BC, Canada on 18-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
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 TR12220445**

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
G239529		3.99	0.024		1.8	0.26	75	<10	100	<0.5	<2	3.86	3.7	13	8	99
G239530		0.86	<0.005		<0.2	0.01	2	20	250	<0.5	<2	19.0	<0.5	<1	<1	1
G239531		4.34	0.037		1.6	0.34	70	<10	130	<0.5	<2	3.72	3.1	14	7	75
G239532		2.61	0.088		1.4	0.42	62	<10	120	<0.5	<2	2.37	3.9	16	8	112
G239533		3.25	0.071		0.7	0.60	95	<10	110	0.6	<2	2.45	3.0	13	7	76
G239534		1.69	0.060		0.9	0.72	65	<10	140	0.6	<2	1.86	2.0	18	7	105
G239535		2.01	0.052		0.3	0.24	60	<10	190	<0.5	<2	2.13	2.2	10	11	39
G239536		2.99	0.067		0.6	0.37	75	<10	120	<0.5	<2	2.98	1.2	12	7	83
G239537		2.88	0.401		0.8	0.21	110	<10	140	<0.5	<2	4.31	0.9	11	12	61
G239538		3.83	0.125		0.6	0.33	120	<10	120	<0.5	<2	4.03	2.4	11	11	69
G239539		3.80	0.232		1.3	0.33	185	<10	120	<0.5	<2	4.53	1.7	13	10	55
G239540		0.07	3.45		4.1	1.50	276	<10	360	<0.5	2	1.33	1.7	9	54	76
G239541		3.18	0.555		0.8	0.23	439	<10	120	<0.5	<2	5.20	0.8	16	14	48
G239542		4.40	0.121		0.7	0.27	204	<10	120	<0.5	<2	2.65	1.6	14	11	51
G239543		1.54	0.059		0.9	0.26	121	<10	120	<0.5	<2	1.61	2.9	15	8	93
G239544		3.05	0.115		0.8	0.20	168	<10	100	<0.5	<2	0.17	1.9	15	12	76
G239545		3.78	0.045		0.2	0.01	1710	<10	10	<0.5	<2	0.02	<0.5	82	61	9
G239546		4.30	0.034		<0.2	0.01	1745	<10	10	<0.5	<2	0.27	<0.5	74	68	5
G239547		3.01	0.022		0.2	0.01	1555	<10	<10	<0.5	<2	0.55	<0.5	81	105	8
G239548		1.34	0.017		<0.2	<0.01	840	<10	10	<0.5	<2	2.06	<0.5	38	102	4
G239549		4.37	0.032		<0.2	0.05	1240	<10	10	<0.5	<2	1.89	<0.5	81	276	6
G239550		0.32	<0.005		<0.2	0.17	<2	<10	10	<0.5	<2	>25.0	<0.5	1	<1	2
G239551		4.41	0.043		0.2	0.03	1770	<10	10	<0.5	<2	1.56	<0.5	83	156	6
G239552		4.18	0.033		<0.2	0.01	1845	<10	10	<0.5	<2	0.66	<0.5	92	82	4
G239553		4.20	0.063		0.3	0.01	1665	<10	10	<0.5	<2	0.82	<0.5	74	103	8
G239554		3.29	0.075		0.3	0.01	1795	<10	10	<0.5	<2	1.44	<0.5	80	94	7
G239555		4.45	0.031		0.2	0.01	1615	<10	10	<0.5	<2	1.04	<0.5	79	91	4
G239556		2.30	0.029		<0.2	0.01	1750	10	<10	<0.5	<2	1.09	<0.5	73	150	5
G239557		2.12	0.032		0.2	0.01	953	<10	10	<0.5	<2	5.60	<0.5	39	114	7
G239558		4.33	0.049		0.3	0.05	1495	<10	30	<0.5	<2	1.92	<0.5	69	118	7
G239559		2.64	0.031		0.2	0.12	1060	<10	60	<0.5	<2	0.05	<0.5	57	76	4
G239560		0.07	9.74	9.46	0.5	1.40	3760	<10	60	<0.5	<2	0.78	<0.5	14	64	65
G239561		4.04	0.046		0.2	0.17	1180	<10	80	<0.5	<2	0.09	<0.5	62	68	10
G239562		4.97	0.060		0.2	0.09	1590	<10	290	<0.5	<2	0.09	<0.5	89	361	7
G239563		3.05	<0.005		<0.2	0.31	135	<10	10	<0.5	<2	3.69	<0.5	95	1045	4
G239564		3.29	0.005		<0.2	0.54	97	<10	10	<0.5	<2	3.36	<0.5	97	1105	5
G239565		2.77	0.019		<0.2	0.30	122	<10	<10	<0.5	<2	0.21	<0.5	111	1135	11
G239566		3.27	0.053		0.5	0.16	1050	<10	20	<0.5	<2	0.07	<0.5	69	405	12
G239567		4.35	0.079		0.7	0.44	218	<10	180	<0.5	<2	0.27	<0.5	41	45	63
G239568		4.07	0.199		1.0	0.44	160	<10	90	<0.5	<2	0.94	0.5	38	23	53



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**CERTIFICATE OF ANALYSIS TR12220445**

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	%	ppm
LOR	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G239529	3.04	<10	<1	0.14	<10	1.57	439	33	0.01	70	980	14	2.07	12	3
G239530	0.07	<10	<1	0.01	<10	11.15	375	<1	0.01	<1	40	5	0.01	<2	<1
G239531	3.41	<10	<1	0.18	<10	1.47	860	27	0.01	54	1130	29	2.22	14	4
G239532	3.02	<10	<1	0.18	<10	0.93	508	25	0.01	52	1460	21	2.08	14	3
G239533	3.34	<10	<1	0.16	<10	1.22	705	14	0.01	67	610	23	1.50	9	4
G239534	4.01	<10	<1	0.19	<10	1.37	510	6	0.01	53	600	13	1.78	10	4
G239535	2.64	<10	<1	0.10	<10	0.89	706	6	0.01	45	400	10	1.08	6	3
G239536	3.36	<10	<1	0.16	10	1.37	1240	2	0.01	47	510	11	1.23	6	4
G239537	3.24	<10	<1	0.12	<10	1.80	1080	6	0.01	67	320	9	0.93	7	4
G239538	3.15	<10	<1	0.16	<10	1.67	840	13	0.01	69	590	13	1.20	8	5
G239539	3.62	<10	<1	0.16	<10	2.23	1040	9	0.01	77	400	11	1.50	7	5
G239540	3.39	<10	5	0.14	10	0.82	458	12	0.07	40	800	299	0.65	26	4
G239541	4.31	<10	<1	0.16	<10	2.73	1100	5	0.01	86	130	22	2.49	4	9
G239542	3.61	<10	<1	0.14	<10	1.37	655	11	0.01	67	620	18	1.09	6	6
G239543	3.49	<10	<1	0.16	<10	1.12	720	14	0.01	74	550	14	1.41	9	5
G239544	3.16	<10	<1	0.14	10	0.35	493	10	0.01	76	380	81	1.77	9	4
G239545	1.39	<10	<1	0.01	<10	0.22	128	<1	<0.01	1345	<10	13	0.76	121	<1
G239546	1.71	<10	<1	0.01	<10	3.30	165	<1	<0.01	1325	<10	<2	0.59	92	1
G239547	2.81	<10	<1	<0.01	<10	7.84	289	<1	<0.01	1425	<10	<2	0.39	54	2
G239548	2.56	<10	<1	<0.01	<10	7.67	350	<1	0.01	701	<10	<2	0.15	25	2
G239549	4.21	<10	<1	<0.01	<10	15.05	718	<1	0.01	1470	<10	2	0.31	27	4
G239550	0.17	<10	<1	0.03	<10	1.44	40	<1	0.03	3	50	<2	0.11	5	1
G239551	3.67	<10	<1	0.02	<10	10.70	617	<1	0.01	1480	<10	<2	0.28	75	4
G239552	1.59	<10	<1	0.01	<10	2.75	317	<1	0.01	1385	<10	2	0.24	103	2
G239553	3.17	<10	<1	<0.01	<10	9.39	459	<1	0.01	1345	<10	3	0.14	75	2
G239554	3.04	<10	<1	<0.01	<10	7.54	518	<1	<0.01	1400	<10	2	0.23	67	2
G239555	3.68	<10	<1	<0.01	<10	7.51	484	<1	<0.01	1275	<10	<2	0.66	85	2
G239556	3.92	<10	<1	<0.01	<10	15.40	478	<1	0.01	1390	<10	<2	0.11	58	3
G239557	2.51	<10	<1	<0.01	<10	7.85	378	<1	0.01	753	<10	<2	0.10	40	2
G239558	4.12	<10	<1	0.03	<10	9.42	677	<1	0.01	1195	10	4	0.20	49	5
G239559	2.71	<10	<1	0.08	<10	0.23	755	<1	0.01	784	10	68	0.35	67	5
G239560	3.40	10	<1	0.16	10	0.85	365	6	0.06	59	460	4	0.87	37	4
G239561	4.58	<10	<1	0.09	10	1.62	1150	<1	0.01	917	150	22	0.18	98	9
G239562	3.80	<10	<1	0.02	<10	7.94	544	<1	0.01	1700	<10	<2	0.35	62	4
G239563	4.85	<10	<1	<0.01	<10	8.88	993	<1	0.01	1810	10	<2	0.51	5	7
G239564	4.72	<10	<1	<0.01	<10	7.02	1415	<1	0.01	1815	100	<2	0.63	6	7
G239565	4.10	<10	<1	<0.01	<10	4.37	1030	<1	0.01	2190	30	<2	0.44	6	7
G239566	2.54	<10	<1	0.04	<10	3.57	560	<1	0.01	1345	10	<2	0.20	77	4
G239567	7.09	<10	<1	0.18	<10	1.22	1710	<1	0.05	146	430	<2	0.08	23	25
G239568	6.19	<10	<1	0.16	<10	1.18	1380	<1	0.05	81	290	11	0.76	11	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
G239529		187	<20	<0.01	<10	<10	22	<10	321
G239530		216	<20	<0.01	<10	<10	1	<10	20
G239531		203	<20	<0.01	<10	<10	20	<10	302
G239532		142	<20	<0.01	<10	<10	21	<10	328
G239533		139	<20	<0.01	<10	<10	10	<10	260
G239534		101	<20	<0.01	<10	<10	9	<10	163
G239535		129	<20	<0.01	<10	<10	7	<10	144
G239536		164	<20	<0.01	<10	<10	5	<10	115
G239537		277	<20	<0.01	<10	<10	8	<10	68
G239538		205	<20	<0.01	<10	<10	12	<10	184
G239539		273	<20	<0.01	<10	<10	10	<10	161
G239540		35	<20	0.09	<10	<10	60	10	290
G239541		412	<20	<0.01	<10	<10	10	<10	113
G239542		152	<20	<0.01	<10	<10	11	<10	145
G239543		76	<20	<0.01	<10	<10	9	<10	256
G239544		9	<20	<0.01	<10	<10	9	<10	175
G239545		1	<20	<0.01	<10	<10	2	<10	44
G239546		9	<20	<0.01	<10	<10	1	<10	8
G239547		18	<20	<0.01	<10	<10	2	<10	6
G239548		120	<20	<0.01	<10	<10	2	<10	6
G239549		43	<20	<0.01	<10	<10	4	<10	7
G239550		4550	<20	0.01	<10	10	2	<10	<2
G239551		37	<20	<0.01	<10	<10	5	<10	11
G239552		16	<20	<0.01	<10	<10	2	<10	14
G239553		19	<20	<0.01	<10	<10	3	<10	13
G239554		72	<20	<0.01	<10	<10	4	<10	17
G239555		26	<20	<0.01	<10	<10	2	<10	16
G239556		50	<20	<0.01	<10	<10	3	<10	10
G239557		396	<20	<0.01	<10	<10	6	<10	13
G239558		125	<20	<0.01	<10	<10	8	<10	26
G239559		1	<20	<0.01	<10	<10	10	<10	75
G239560		36	<20	0.10	<10	<10	48	40	50
G239561		2	<20	<0.01	<10	<10	13	<10	58
G239562		3	<20	<0.01	<10	<10	7	<10	21
G239563		43	<20	<0.01	<10	<10	16	<10	18
G239564		30	<20	<0.01	<10	<10	24	<10	29
G239565		4	<20	<0.01	<10	<10	16	<10	16
G239566		2	<20	<0.01	<10	<10	8	<10	26
G239567		6	<20	<0.01	<10	<10	26	<10	56
G239568		18	<20	<0.01	<10	<10	26	<10	142



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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															
G239569		3.95	0.015		0.4	1.96	65	<10	70	0.5	<2	4.32	<0.5	37	96	67
G239570		0.37	<0.005		<0.2	0.03	<2	<10	10	<0.5	<2	>25.0	<0.5	<1	<1	1
G239571		4.09	0.039		<0.2	3.52	72	<10	70	1.1	2	3.07	<0.5	39	56	74
G239572		4.21	0.279		0.2	1.00	123	<10	100	1.0	<2	6.41	<0.5	29	37	35
G239573		4.31	0.045		0.3	0.90	80	<10	80	0.5	<2	4.33	<0.5	30	33	29
G239574		2.00	0.087		<0.2	0.63	73	<10	70	<0.5	<2	4.77	<0.5	38	16	61
G239575		1.96	0.090		0.3	0.69	75	<10	70	0.5	<2	4.67	<0.5	38	17	69
G239576		2.64	0.129		0.2	0.44	182	<10	170	0.5	<2	4.39	<0.5	41	32	53
G239577		2.50	0.437		0.3	0.40	364	<10	260	0.5	<2	2.24	<0.5	43	28	48
G239578		2.76	0.121		0.2	0.35	308	<10	170	<0.5	<2	8.5	<0.5	37	36	47
G239579		3.54	0.076		0.2	0.24	95	<10	300	<0.5	<2	2.74	<0.5	8	8	31
G239580		0.08	0.253		0.4	0.44	430	<10	780	<0.5	<2	1.03	<0.5	3	42	38
G239581		3.45	0.057		<0.2	0.29	83	<10	380	<0.5	<2	0.82	<0.5	7	8	87
G239582		1.44	0.036		<0.2	0.31	67	<10	460	<0.5	<2	0.44	<0.5	6	8	26
G239583		3.48	0.013		<0.2	0.25	78	<10	440	<0.5	<2	0.20	<0.5	6	7	19
G239584		0.96	0.368		1.7	0.10	292	<10	110	<0.5	<2	0.12	0.5	4	14	292
G239585		2.04	0.071		0.2	2.05	113	<10	790	3.8	<2	4.50	<0.5	27	347	41
G239586		3.39	0.076		0.5	1.47	237	<10	20	1.9	<2	6.04	<0.5	31	133	64
G239587		3.44	0.046		0.2	1.13	148	<10	150	3.4	<2	6.13	<0.5	27	94	34
G239588		1.47	0.964		0.7	0.27	588	<10	60	0.6	<2	0.26	<0.5	18	23	14
G239589		2.90	0.078		0.2	2.39	250	<10	150	4.4	<2	1.57	<0.5	38	296	46
G239590		0.34	<0.005		<0.2	0.04	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G239591		1.67	0.814		0.6	0.59	795	<10	100	0.9	<2	3.01	<0.5	42	32	28
G239592		1.88	0.186		0.5	1.09	436	<10	270	2.6	<2	3.48	<0.5	23	95	25
G239593		1.14	0.662		1.1	0.65	674	<10	90	1.0	<2	5.66	0.5	38	36	77
G239594		2.51	0.413		0.2	0.09	173	<10	20	<0.5	<2	1.46	0.9	5	15	5
G239595		4.12	0.747		0.8	0.46	752	<10	80	0.5	<2	6.35	0.9	31	21	53
G239596		2.51	0.054		0.5	0.56	75	<10	190	<0.5	<2	5.67	1.5	6	20	25
G239597		1.45	0.009		0.2	0.19	18	<10	60	<0.5	<2	4.99	<0.5	2	19	6
G239598		3.33	0.039		0.6	0.36	65	<10	110	<0.5	<2	6.14	<0.5	5	33	29
G239599		2.67	0.033		0.6	0.40	54	<10	80	<0.5	<2	5.79	<0.5	4	39	35
G239600		0.07	0.742		2.1	0.74	25	<10	90	<0.5	6	1.96	0.6	8	32	6990
G239601		3.71	0.051		0.3	0.45	37	<10	120	<0.5	<2	4.25	0.7	3	18	23
G239602		2.69	0.071		0.4	0.46	38	<10	150	<0.5	<2	3.45	0.9	4	15	28
G239603		3.93	0.057		0.3	0.49	56	<10	160	<0.5	<2	7.02	1.2	3	23	18
G239604		3.55	0.026		0.5	0.38	46	<10	140	<0.5	<2	7.21	0.7	3	39	18
G239605		0.98	0.037		0.4	0.47	41	<10	160	<0.5	<2	8.6	1.2	4	34	12
G239606		2.15	0.041		0.5	0.49	55	<10	120	<0.5	<2	7.24	1.0	5	42	22
G239607		4.38	0.277		<0.2	0.20	393	<10	50	<0.5	<2	4.37	0.5	16	16	37
G239608		3.75	0.094		<0.2	0.02	64	<10	<10	<0.5	<2	1.18	<0.5	2	24	3



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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
G239569		5.50	10	<1	0.16	<10	3.66	1160	<1	0.02	96	470	8	0.20	7	19
G239570		0.07	<10	<1	<0.01	<10	1.70	28	<1	0.01	<1	40	<2	0.06	4	<1
G239571		7.41	10	<1	0.15	<10	3.78	1320	<1	0.01	47	720	<2	0.49	7	27
G239572		6.22	<10	<1	0.19	<10	3.84	1600	<1	0.01	43	380	<2	0.39	5	24
G239573		6.11	<10	<1	0.14	<10	3.37	1200	<1	0.03	41	440	<2	0.18	5	21
G239574		7.53	<10	<1	0.12	<10	3.87	1355	<1	0.04	36	590	<2	0.27	6	26
G239575		7.80	<10	<1	0.14	<10	3.81	1340	<1	0.04	40	630	4	0.25	<2	25
G239576		7.63	<10	<1	0.17	<10	3.06	1815	<1	0.03	110	560	3	0.15	2	25
G239577		6.92	<10	<1	0.19	<10	1.06	1830	1	0.02	114	720	4	1.19	<2	23
G239578		5.72	<10	<1	0.14	<10	3.77	1095	<1	0.03	167	380	<2	0.45	<2	20
G239579		2.41	<10	<1	0.12	<10	1.06	337	1	0.01	32	90	<2	0.55	2	4
G239580		3.87	<10	4	0.10	10	0.03	71	14	0.03	15	160	14	0.24	28	1
G239581		2.06	<10	<1	0.14	<10	0.57	229	1	0.01	24	60	8	0.29	<2	2
G239582		2.15	<10	<1	0.16	<10	0.49	227	<1	0.01	24	120	8	0.18	2	2
G239583		1.55	<10	<1	0.13	<10	0.28	155	<1	0.01	19	50	4	0.31	<2	1
G239584		1.49	<10	<1	0.03	<10	0.06	84	1	<0.01	25	40	81	0.92	95	1
G239585		4.33	10	<1	0.77	120	3.63	852	2	0.02	270	5210	95	0.40	<2	11
G239586		10.15	10	1	0.15	30	2.94	1180	1	0.01	164	1730	27	8.08	57	24
G239587		4.07	<10	<1	0.22	100	2.89	1020	2	0.01	208	4730	36	0.55	5	13
G239588		4.29	<10	<1	0.11	<10	0.19	153	1	0.01	91	360	105	3.51	7	3
G239589		4.01	10	<1	0.14	120	1.02	118	2	0.01	407	6560	84	0.74	7	13
G239590		0.05	<10	<1	0.01	<10	1.60	22	<1	0.01	<1	50	<2	0.06	<2	<1
G239591		5.50	<10	<1	0.22	<10	1.30	487	1	0.01	134	310	29	3.88	5	29
G239592		3.23	<10	<1	0.18	80	1.60	530	1	0.01	266	4040	75	0.59	8	9
G239593		6.10	<10	<1	0.17	<10	2.71	918	<1	0.01	149	320	23	3.63	10	15
G239594		2.07	<10	<1	0.05	<10	0.60	244	<1	<0.01	12	10	5	1.18	2	3
G239595		5.95	<10	<1	0.13	<10	2.86	967	1	0.01	83	330	67	3.84	13	16
G239596		3.04	<10	<1	0.20	<10	2.34	421	5	0.01	50	5110	13	1.53	12	5
G239597		1.59	<10	<1	0.06	<10	2.44	320	3	0.01	18	2040	4	0.14	<2	2
G239598		2.47	<10	<1	0.11	<10	2.77	532	10	0.01	57	3540	7	0.69	15	6
G239599		2.36	<10	<1	0.10	<10	2.69	520	9	0.01	49	3000	17	0.47	16	5
G239600		6.98	<10	2	0.31	<10	0.88	889	8	0.06	14	630	23	2.74	25	3
G239601		2.45	<10	<1	0.14	<10	1.76	401	4	0.01	28	3690	9	0.95	11	4
G239602		2.26	<10	<1	0.17	<10	1.27	275	5	0.01	29	3840	8	1.16	16	4
G239603		2.63	<10	<1	0.16	<10	3.14	593	8	0.01	39	6590	7	1.15	9	4
G239604		2.09	<10	<1	0.12	<10	3.47	481	9	0.01	51	5200	6	0.54	9	5
G239605		2.64	<10	<1	0.13	<10	3.73	757	6	0.01	46	5780	8	0.83	8	6
G239606		2.77	<10	<1	0.11	<10	3.51	738	8	0.01	52	5880	17	0.82	11	5
G239607		3.36	<10	<1	0.10	<10	1.82	611	<1	0.01	36	160	11	1.41	<2	8
G239608		1.51	<10	<1	0.01	<10	0.49	211	1	<0.01	7	10	10	0.40	<2	<1



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		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G239569		68	<20	<0.01	<10	<10	61	<10	62
G239570		4980	<20	<0.01	<10	<10	<1	<10	<2
G239571		84	<20	<0.01	<10	<10	150	<10	87
G239572		157	<20	<0.01	<10	<10	44	<10	51
G239573		95	<20	<0.01	<10	<10	62	<10	43
G239574		103	<20	<0.01	<10	<10	49	<10	63
G239575		87	<20	<0.01	<10	<10	49	<10	64
G239576		97	<20	<0.01	<10	<10	30	<10	58
G239577		50	<20	<0.01	<10	<10	25	<10	45
G239578		228	<20	<0.01	<10	<10	20	<10	46
G239579		100	<20	<0.01	<10	<10	9	<10	25
G239580		82	<20	0.01	10	<10	28	10	23
G239581		27	<20	<0.01	<10	<10	6	<10	52
G239582		17	<20	<0.01	<10	<10	6	<10	77
G239583		7	<20	<0.01	<10	<10	7	<10	39
G239584		7	<20	<0.01	<10	<10	6	<10	93
G239585		1320	100	0.21	<10	<10	82	<10	112
G239586		382	20	0.01	10	<10	94	<10	66
G239587		1190	80	<0.01	<10	<10	36	<10	68
G239588		22	<20	<0.01	<10	<10	11	<10	93
G239589		524	100	<0.01	<10	10	60	<10	116
G239590		5140	<20	<0.01	<10	10	1	<10	<2
G239591		89	<20	<0.01	<10	<10	38	<10	54
G239592		613	70	<0.01	<10	<10	32	<10	91
G239593		218	<20	<0.01	<10	<10	30	<10	132
G239594		45	<20	<0.01	<10	<10	6	<10	266
G239595		185	<20	<0.01	<10	<10	32	<10	235
G239596		212	<20	<0.01	<10	<10	34	<10	258
G239597		158	<20	<0.01	<10	<10	12	<10	43
G239598		192	<20	<0.01	<10	<10	24	<10	67
G239599		182	<20	<0.01	<10	<10	24	<10	83
G239600		66	<20	0.05	<10	<10	43	<10	107
G239601		150	<20	<0.01	<10	<10	29	<10	110
G239602		126	<20	<0.01	<10	<10	26	<10	155
G239603		275	<20	<0.01	<10	<10	37	<10	215
G239604		260	<20	<0.01	<10	<10	31	<10	120
G239605		286	<20	<0.01	<10	<10	32	<10	179
G239606		272	<20	<0.01	<10	<10	30	<10	209
G239607		119	<20	<0.01	<10	<10	13	<10	108
G239608		35	<20	<0.01	<10	<10	3	<10	20





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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
G239609		2.83	0.175		<0.2	0.03	123	<10	<10	<0.5	<2	1.75	<0.5	2	22	7
G239610		0.36	<0.005		<0.2	0.03	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G239611		1.64	<0.005		<0.2	<0.01	4	<10	<10	<0.5	<2	0.36	<0.5	<1	18	6
G239612		3.02	0.007		0.3	0.01	6	<10	<10	<0.5	<2	0.60	<0.5	1	24	14
G239613		1.78	0.008		<0.2	<0.01	6	<10	<10	<0.5	<2	0.56	<0.5	<1	17	2
G239614		1.53	0.014		<0.2	0.01	5	<10	<10	<0.5	<2	1.11	<0.5	<1	26	2
G239615		1.60	<0.005		<0.2	0.01	24	<10	<10	<0.5	<2	2.97	<0.5	1	23	2
G239616		1.30	0.008		0.5	<0.01	7	<10	<10	<0.5	<2	1.32	<0.5	1	19	11
G239617		2.23	0.027		4.1	0.01	9	<10	<10	<0.5	<2	0.72	1.5	<1	23	110
G239618		1.52	0.064		<0.2	0.01	24	<10	<10	<0.5	<2	0.53	<0.5	1	19	2
G239619		1.78	0.083		0.2	0.02	56	<10	<10	<0.5	<2	0.98	<0.5	2	19	2
G239620		0.07	2.25		0.4	2.14	10	<10	60	<0.5	<2	0.64	<0.5	8	28	583
G239621		1.20	0.244		0.2	0.03	210	<10	<10	<0.5	<2	0.86	<0.5	3	19	6
G239622		1.34	0.105		<0.2	0.01	47	<10	<10	<0.5	<2	0.63	<0.5	1	20	4
G239623		2.88	0.006		<0.2	<0.01	4	<10	<10	<0.5	<2	0.30	<0.5	1	27	2
G239624		2.85	<0.005		<0.2	<0.01	<2	<10	<10	<0.5	<2	0.20	<0.5	<1	22	3
G239625			0.005		<0.2	<0.01	2	<10	<10	<0.5	<2	0.18	<0.5	<1	21	3
G239626		1.69	0.087		<0.2	<0.01	2	<10	<10	<0.5	<2	0.29	<0.5	<1	24	1
G239627		2.82	0.109		0.9	0.02	19	<10	<10	<0.5	<2	0.63	<0.5	1	20	33
G239628		3.59	0.031		<0.2	0.02	28	<10	<10	<0.5	<2	0.90	<0.5	1	24	2
G239629		2.31	0.036		<0.2	0.07	73	<10	20	<0.5	<2	2.01	<0.5	4	17	1
G239630		0.39	<0.005		<0.2	0.02	<2	<10	<10	<0.5	<2	>25.0	<0.5	<1	<1	<1
G239631		2.84	0.113		<0.2	0.11	141	<10	30	<0.5	<2	3.41	<0.5	7	21	2
G239632		1.90	0.123		<0.2	0.10	142	<10	20	<0.5	<2	4.34	<0.5	6	14	2
G239633		2.28	0.144		<0.2	0.15	146	<10	40	<0.5	<2	3.99	<0.5	9	17	2
G239634		1.99	0.189		<0.2	0.25	196	<10	70	<0.5	<2	5.67	<0.5	14	15	5
G239635		2.62	0.041		<0.2	0.25	339	<10	80	<0.5	<2	6.51	<0.5	17	12	3
G239636		3.54	0.427		<0.2	0.32	403	<10	70	<0.5	<2	6.35	<0.5	15	14	6
G239637		2.14	0.158		<0.2	0.24	199	<10	80	<0.5	<2	5.13	<0.5	11	13	5
G239638		3.36	0.310		<0.2	0.36	329	<10	80	<0.5	<2	6.80	<0.5	22	13	11
G239639		2.65	0.407		<0.2	0.19	311	<10	40	<0.5	<2	4.62	<0.5	11	15	4
G239640		0.07	3.56		3.8	1.50	253	<10	430	<0.5	<2	1.32	1.4	10	52	71
G239641		5.05	0.179		<0.2	0.29	171	<10	70	<0.5	<2	7.04	<0.5	20	4	18
G239642		3.60	0.053		<0.2	0.34	109	<10	80	<0.5	<2	12.1	<0.5	23	2	35
G239643		3.16	0.102		<0.2	0.45	86	<10	170	<0.5	<2	1.90	<0.5	10	9	7
G239644		3.28	0.035		<0.2	0.29	44	<10	80	<0.5	<2	1.21	<0.5	7	9	7
G239645		4.38	0.046		<0.2	0.32	38	<10	90	<0.5	<2	0.85	<0.5	8	9	7
G239646		5.08	0.040		<0.2	0.34	38	<10	100	<0.5	<2	0.98	<0.5	7	9	8
G239647		3.39	0.160		<0.2	0.30	38	<10	100	<0.5	<2	0.98	<0.5	7	10	10
G239648		3.47	0.177		<0.2	0.42	137	<10	90	<0.5	2	2.05	<0.5	10	10	19



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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
G239609		2.04	<10	<1	0.01	<10	0.74	286	1	<0.01	13	10	21	0.85	<2	<1
G239610		0.05	<10	<1	<0.01	<10	1.67	30	<1	0.01	<1	30	<2	0.05	<2	<1
G239611		0.70	<10	<1	<0.01	<10	0.14	99	1	<0.01	6	<10	3	0.05	<2	<1
G239612		0.79	<10	<1	<0.01	<10	0.25	131	<1	<0.01	5	<10	3	0.05	7	<1
G239613		0.81	<10	<1	<0.01	<10	0.21	126	<1	<0.01	2	<10	3	0.06	<2	<1
G239614		0.99	<10	<1	<0.01	<10	0.48	200	<1	<0.01	3	<10	2	0.05	<2	<1
G239615		1.26	<10	<1	<0.01	<10	1.12	350	<1	<0.01	16	<10	<2	0.04	<2	1
G239616		1.02	<10	<1	<0.01	<10	0.58	222	<1	<0.01	4	<10	<2	0.06	4	<1
G239617		0.89	<10	<1	<0.01	<10	0.29	146	1	<0.01	2	<10	16	0.10	51	<1
G239618		0.89	<10	<1	<0.01	<10	0.21	119	<1	<0.01	4	<10	13	0.23	<2	<1
G239619		1.40	<10	<1	0.01	<10	0.41	192	<1	<0.01	9	<10	57	0.48	<2	<1
G239620		4.19	10	<1	0.14	10	0.85	715	9	0.07	19	630	11	0.12	2	5
G239621		2.06	<10	<1	0.01	<10	0.36	174	<1	<0.01	18	<10	59	1.40	3	<1
G239622		1.08	<10	<1	<0.01	<10	0.26	137	<1	<0.01	5	<10	36	0.37	<2	<1
G239623		0.77	<10	<1	<0.01	<10	0.12	96	<1	<0.01	1	<10	7	0.08	<2	<1
G239624		0.67	<10	<1	<0.01	<10	0.08	79	<1	<0.01	1	<10	11	0.04	<2	<1
G239625		0.66	<10	<1	<0.01	<10	0.07	76	<1	<0.01	1	<10	11	0.04	<2	<1
G239626		0.70	<10	<1	<0.01	<10	0.12	91	<1	<0.01	1	<10	2	0.04	<2	<1
G239627		0.98	<10	<1	0.01	<10	0.26	145	1	<0.01	2	<10	7	0.11	7	1
G239628		1.17	<10	<1	0.01	<10	0.37	187	<1	<0.01	3	<10	3	0.16	<2	1
G239629		1.66	<10	<1	0.04	<10	0.80	303	<1	0.01	12	30	<2	0.32	<2	3
G239630		0.05	<10	<1	<0.01	<10	1.72	26	<1	0.01	<1	40	<2	0.09	<2	<1
G239631		2.29	<10	<1	0.06	<10	1.38	476	<1	0.01	14	50	<2	0.52	<2	4
G239632		2.80	<10	<1	0.05	<10	1.79	589	<1	0.01	12	60	3	0.57	<2	4
G239633		2.63	<10	<1	0.07	<10	1.65	571	<1	0.01	16	120	2	0.60	<2	6
G239634		3.29	<10	<1	0.11	<10	2.29	804	<1	0.02	24	230	3	0.75	<2	9
G239635		4.06	<10	<1	0.12	<10	2.75	864	<1	0.01	27	180	2	1.14	<2	12
G239636		4.22	<10	<1	0.11	<10	2.89	864	<1	0.01	26	120	3	1.40	<2	10
G239637		3.16	<10	<1	0.10	<10	2.18	701	<1	0.01	19	100	2	0.61	<2	8
G239638		3.99	<10	<1	0.15	<10	3.00	938	<1	0.02	39	280	<2	0.86	<2	16
G239639		3.33	<10	<1	0.07	<10	2.02	665	<1	0.01	25	40	5	1.26	<2	8
G239640		3.37	<10	4	0.15	10	0.79	425	12	0.07	37	730	290	0.66	26	4
G239641		4.60	<10	<1	0.13	<10	2.96	1260	<1	0.01	18	480	6	0.84	<2	18
G239642		6.43	<10	<1	0.14	<10	4.54	1615	<1	0.01	21	470	4	0.47	<2	25
G239643		2.12	<10	<1	0.22	10	0.92	288	<1	0.01	15	280	6	1.22	<2	3
G239644		2.02	<10	<1	0.20	10	0.50	219	<1	0.01	13	240	6	1.43	2	2
G239645		2.21	<10	<1	0.22	10	0.37	191	<1	0.01	15	250	8	1.80	3	2
G239646		2.27	<10	<1	0.23	10	0.43	224	<1	0.01	15	250	8	1.88	2	1
G239647		2.35	<10	<1	0.21	10	0.44	223	<1	0.01	17	280	10	1.89	3	2
G239648		3.06	<10	<1	0.23	10	0.97	350	1	0.01	20	290	11	2.32	3	3



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		Sr	Th	Ti	Ti	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G239609		55	<20	<0.01	<10	<10	4	<10	55
G239610		4020	<20	<0.01	<10	10	<1	<10	<2
G239611		11	<20	<0.01	<10	<10	1	<10	21
G239612		20	<20	<0.01	<10	<10	1	<10	27
G239613		20	<20	<0.01	<10	<10	2	<10	5
G239614		35	<20	<0.01	<10	<10	2	<10	5
G239615		87	<20	<0.01	<10	<10	4	<10	6
G239616		40	<20	<0.01	<10	<10	3	<10	11
G239617		19	<20	<0.01	<10	<10	2	<10	443
G239618		15	<20	<0.01	<10	<10	1	<10	14
G239619		29	<20	<0.01	<10	<10	2	<10	46
G239620		29	<20	0.15	<10	<10	59	<10	83
G239621		25	<20	<0.01	<10	<10	3	<10	118
G239622		17	<20	<0.01	<10	<10	2	<10	46
G239623		8	<20	<0.01	<10	<10	1	<10	22
G239624		6	<20	<0.01	<10	<10	1	<10	17
G239625		5	<20	<0.01	<10	<10	<1	<10	19
G239626		8	<20	<0.01	<10	<10	1	<10	4
G239627		18	<20	<0.01	<10	<10	2	<10	23
G239628		29	<20	<0.01	<10	<10	3	<10	4
G239629		63	<20	<0.01	<10	<10	5	<10	6
G239630		4650	<20	<0.01	<10	10	<1	<10	<2
G239631		103	<20	<0.01	<10	<10	10	<10	9
G239632		131	<20	<0.01	<10	<10	12	<10	10
G239633		114	<20	<0.01	<10	<10	13	<10	9
G239634		174	<20	<0.01	<10	<10	18	<10	14
G239635		196	<20	<0.01	<10	<10	19	<10	15
G239636		198	<20	<0.01	<10	<10	23	<10	13
G239637		161	<20	<0.01	<10	<10	18	<10	11
G239638		204	<20	<0.01	<10	<10	24	<10	19
G239639		142	<20	<0.01	<10	<10	16	<10	12
G239640		35	<20	0.10	<10	<10	59	<10	270
G239641		219	<20	<0.01	<10	<10	34	<10	29
G239642		338	<20	<0.01	<10	<10	55	<10	51
G239643		71	<20	<0.01	<10	<10	9	<10	7
G239644		53	<20	<0.01	<10	<10	4	<10	5
G239645		41	<20	<0.01	<10	<10	4	<10	5
G239646		54	<20	<0.01	<10	<10	4	<10	10
G239647		52	<20	<0.01	<10	<10	4	<10	8
G239648		95	<20	<0.01	<10	<10	7	<10	15



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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
G239649		2.03	0.187		<0.2	0.33	149	<10	100	<0.5	2	1.45	<0.5	9	11	8
G239650		0.39	<0.005		<0.2	0.03	<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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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
G239649		3.14	<10	<1	0.16	10	0.59	297	1	0.01	21	400	20	2.53	2	3
G239650		0.05	<10	<1	<0.01	<10	1.75	28	<1	0.01	<1	30	2	0.07	<2	<1

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*



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 Finalized Date: 28-SEP-2012  
 Account: EIACMV

Project: CMV12-01

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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
G239649		83	<20	<0.01	<10	<10	7	<10	46
G239650		5490	<20	<0.01	<10	<10	1	<10	<2



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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