

BC Geological Survey
Assessment Report
32302f

**Appendix 29:
Spellbound Drill Logs**



Data Logger Print Logs ~ Collars

DataSet: WJ_GF

Depth (m)	Hole Type	Core Diameter	Grid ID	East	North	Elevation	Survey Method	Survey Date	Survey By	Date Started	Date Completed	Logged By	Prospect	Validated By
Hole: SB10-01														
276.45 m	DD	NQ	UTM10N_NAD83	612913.58	5792055.61	963	DGPS	06/06/2010	TS	26/04/2010	01/05/2010	BL	Spellbound	
young basalts, moderately magnetic, throughout											To test bullseye mag feature at north end of linear ip/gravity anomaly.			



Data Logger Print Logs ~ DH Surveys

DataSet: WJ_GF

Hole ID: SB10-01

Depth (m)	Survey Method	Grid ID	Dip	Orig Azimuth	EZ Shot Azimuth	Magnetic Declination	Date Surveyed	Survey Instrument	Comments
0	COLL	UTM10N_NAD83	-70	190		18	02/05/2010	EST	
14.33	EZ Shot	UTM10N_NAD83	-69	190	171.8	18	02/05/2010	EZ	
145.39	EZ Shot	UTM10N_NAD83	-69.6	190	178.9	18	02/05/2010	EZ	
276.45	EZ Shot	UTM10N_NAD83	-69.9	190	171.2	18	02/05/2010	EZ	



Data Logger Print Logs ~ DH Surveys

DataSet: WJ_GF

Hole ID: SB10-01

Depth (m)	Survey Method	Grid ID	Dip	Orig Azimuth	EZ Shot Azimuth	Magnetic Declination	Date Surveyed	Survey Instrument	Comments
0	COLL	UTM10N_NAD83	-70	190		18	02/05/2010	EST	
14.33	EZ Shot	UTM10N_NAD83	-69	190	171.8	18	02/05/2010	EZ	
145.39	EZ Shot	UTM10N_NAD83	-69.6	190	178.9	18	02/05/2010	EZ	
276.45	EZ Shot	UTM10N_NAD83	-69.9	190	171.2	18	02/05/2010	EZ	



DataSet: WJ_GF

Hole ID: SB10-01

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	0	12.19	Overburden	Overburden (OB)	

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
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Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
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Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
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Structure:	From (m)	To (m)	Type	Intensity	CA Angle
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	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	12.19	50	Fine Grained Basalt	Young Basalts (IFBA)	black vesicular basalt

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
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Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
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Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
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Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	23.4	26.6	RUB	W	
	29	45		S	

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	50	67.3	Fine Grained Basalt	Young Basalts (IFBA)	flow breccia with subrounded clasts to 3cm

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
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Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
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Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
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Structure:	From (m)	To (m)	Type	Intensity	CA Angle
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DataSet: WJ_GF

Hole ID: SB10-01

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	67.3	140.8	Fine Grained Basalt	Young Basalts (IFBA)	black vesicular basalt

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
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Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
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Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
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Structure:	From (m)	To (m)	Type	Intensity	CA Angle
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	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	140.8	174.5	Fine Grained Basalt	Young Basalts (IFBA)	flow breccia with subrounded clasts to 3cm

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
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Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
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Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
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Structure:	From (m)	To (m)	Type	Intensity	CA Angle
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	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	174.5	276.45	Fine Grained Basalt	Young Basalts (IFBA)	vesicular basalt, 2-3cm vesicles with zeolite infill between 209 and 220m



DataSet: WJ_GF

Hole ID: SB10-01

Alteration:

From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
12.19	276.45	Unalt	RegPrim	None										unaltered young basalt

Minerals:

From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
12.19	276.45	UnMin	0		Mag	1								moderately magnetic throughout

Veining:

From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments

Structure:

From (m)	To (m)	Type	Intensity	CA Angle
177.2	177.3	BED	W	25
181	195	RUB		
253	255	BED		20



Data Logger Print Logs ~ Geotechnical

DataSet: WJ_GF

Hole ID: SB10-01

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
12.19	14.33	2.14	1.93	90.19	1.2	56.07		31	31			
14.33	17.37	3.04	3.01	99.01	2.23	73.36		39	39			
17.37	20.42	3.05	2.9	95.08	2.02	66.23		45	45			
20.42	23.47	3.05	2.95	96.72	2.35	77.05		36	36			
23.47	26.52	3.05	2.51	82.3	0.33	10.82		215	215			
26.52	29.57	3.05	2.92	95.74	1.41	46.23		155	155			
29.57	32.61	3.04	2.54	83.55	0	0		450	450			
32.61	35.66	3.05	2.71	88.85	0	0		730	730			heavy fracture zone 730 + pieces
35.66	38.71	3.05	2.69	88.2	1.33	43.61		242	242			
38.71	41.76	3.05	2.35	77.05	0	0		10000	10000			Actual recovery 2.00m
41.76	44.81	3.05	2.35	77.05	0	0		10000	10000			Actual recovery 2.00m
44.81	47.85	3.04	2.9	95.39	0.85	27.96		3500	3500			
47.85	50.9	3.05	2.97	97.38	2.3	75.41		35	35			
50.9	53.95	3.05	3	98.36	2.6	85.25		18	18			
53.95	57	3.05	2.77	90.82	1.49	48.85		70	70			.05m clay
57	60.05	3.05	2.98	97.7	1.94	63.61		50	50			
60.05	63.09	3.04	2.95	97.04	2.5	82.24		35	35			
63.09	66.14	3.05	2.98	97.7	2.34	76.72		27	27			
66.14	69.19	3.05	2.85	93.44	1.89	61.97		55	55			.05m clay
69.19	72.24	3.05	3	98.36	2.36	77.38		27	27			
72.24	75.29	3.05	2.98	97.7	2.28	74.75		35	35			
75.29	78.33	3.04	3.01	99.01	2.04	67.11		50	50			
78.33	81.38	3.05	3.02	99.02	2.02	66.23		35	35			
81.38	84.43	3.05	2.88	94.43	1.27	41.64		150	150			
84.43	87.48	3.05	2.88	94.43	0.84	27.54		120	120			
87.48	90.53	3.05	2.99	98.03	2.3	75.41		25	25			
90.53	93.57	3.04	3.04	100	2.3	75.66						
93.57	96.62	3.05	2.93	96.07	2	65.57		35	35			
96.62	97.84	1.22	1.13	92.62	0.49	40.16		40	40			
97.84	99.67	1.83	1.79	97.81	1.55	84.7		8	8			
99.67	102.72	3.05	3	98.36	1.28	41.97		70	70			
102.72	105.77	3.05	3	98.36	2.01	65.9		24	24			
105.77	108.81	3.04	3.01	99.01	2.58	84.87		30	30			
108.81	111.86	3.05	2.9	95.08	1.7	55.74		42	42			
111.86	114.91	3.05	2.95	96.72	2.17	71.15		50	50			
114.91	117.96	3.05	2.85	93.44	1.59	52.13		60	60			
117.96	121.01	3.05	2.87	94.1	1.05	34.43		70	70			



Data Logger Print Logs ~ Geotechnical

Hole ID: **SB10-01**

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
121.01	124.05	3.04	2.93	96.38	1.02	33.55		100	100			
124.05	127.1	3.05	2.9	95.08	1.36	44.59		75	75			
127.1	130.15	3.05	2.78	91.15	1.59	52.13		65	65			
130.15	133.2	3.05	2.95	96.72	1.46	47.87		60	60			
133.2	136.25	3.05	2.98	97.7	1.51	49.51		40	40			
136.25	139.29	3.04	2.97	97.7	1.32	43.42		45	45			
139.29	142.34	3.05	3.05	100	2.32	76.07		24	24			
142.34	145.39	3.05	3.05	100	2.78	91.15		23	23			
145.39	148.44	3.05	2.97	97.38	2.62	85.9		25	25			
148.44	151.49	3.05	3.01	98.69	2.52	82.62		14	14			
151.49	154.53	3.04	3	98.68	2.75	90.46		10	10			
154.53	157.58	3.05	2.98	97.7	2.65	86.89		14	14			
157.58	160.63	3.05	3.05	100	2.79	91.48		10	10			
160.63	163.68	3.05	2.99	98.03	2.95	96.72		9	9			
163.68	166.73	3.05	3.05	100	2.86	93.77		12	12			
166.73	169.77	3.04	3.03	99.67	2.83	93.09		11	11			
169.77	172.82	3.05	3	98.36	2.87	94.1		8	8			
172.82	175.87	3.05	2.97	97.38	1.99	65.25		35	35			
175.87	178.92	3.05	2.89	94.75	0.98	32.13		76	76			
178.92	181.97	3.05	2.9	95.08	1.37	44.92		57	57			
181.97	182.58	0.61	0.72	118.03	0.17	27.87		48	48			
182.58	184.4	1.82	1.53	84.07	0.41	22.53		47	47			
184.4	187.15	2.75	2.96	107.64	0.43	15.64		88	88			
187.15	189.59	2.44	2.21	90.57	0.99	40.57		69	69			
189.59	192.33	2.74	2.81	102.55	1.01	36.86		67	67			
192.33	194.16	1.83	1.68	91.8	0.55	30.05		51	51			
194.16	197.21	3.05	2.83	92.79	1.65	54.1		48	48			
197.21	198.42	1.21	1.22	100.83	0.87	71.9		12	12			
198.42	200.25	1.83	2.07	113.11	1.71	93.44		9	9			
200.25	203.3	3.05	3.03	99.34	2.06	67.54		41	41			
203.3	206.35	3.05	3	98.36	2.01	65.9		31	31			
206.35	209.4	3.05	3.04	99.67	1.93	63.28		33	33			
209.4	212.45	3.05	3	98.36	2.3	75.41		29	29			
212.45	215.49	3.04	2.99	98.36	2.05	67.43		28	28			
215.49	218.54	3.05	3.04	99.67	2.32	76.07		22	22			
218.54	221.59	3.05	3.06	100.33	2.14	70.16		38	38			
221.59	224.64	3.05	3.01	98.69	2.12	69.51		31	31			
224.64	227.69	3.05	3.06	100.33	2.48	81.31		21	21			
227.69	230.73	3.04	2.95	97.04	2.09	68.75		25	25			



Data Logger Print Logs ~ Geotechnical

Hole ID: SB10-01

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
230.73	233.78	3.05	3.06	100.33	2.63	86.23		17	17			
233.78	236.83	3.05	3.06	100.33	2.57	84.26		17	17			
236.83	239.88	3.05	2.86	93.77	2.38	78.03		18	18			
239.88	242.93	3.05	3.04	99.67	2.4	78.69		34	34			
242.93	245.97	3.04	3.07	100.99	2.5	82.24		23	23			
245.97	249.02	3.05	3.03	99.34	2.35	77.05		18	18			
249.02	252.07	3.05	3.06	100.33	2.28	74.75		18	18			
252.07	255.12	3.05	3.08	100.98	2.64	86.56		14	14			
255.12	258.17	3.05	3.02	99.02	2.57	84.26		17	17			
258.17	261.21	3.04	2.99	98.36	2.24	73.68		23	23			
261.21	264.26	3.05	3.02	99.02	1.82	59.67		41	41			
264.26	267.31	3.05	2.91	95.41	1.91	62.62		36	36			
267.31	270.36	3.05	3.06	100.33	2.28	74.75		22	22			
270.36	273.41	3.05	3.02	99.02	1.93	63.28		32	32			
273.41	276.45	3.04	3.03	99.67	2.43	79.93		26	26			EOH



Data Logger Print Logs ~ Mag Susceptibility

DataSet: WJ_GF

Hole ID: SB10-01

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
15	18	3	44.62	32.62	28.91	35.383		EC	27/04/2010	
18	21	3	25.29	8.01	13.01	15.437		EC	27/04/2010	
21	24	3	17.73	17.55	2.54	12.607		EC	27/04/2010	
24	27	3	5.74	21.56	28.38	18.56		EC	27/04/2010	
27	30	3	22.36	44.94	35.38	34.227		EC	27/04/2010	
30	33	3	35.28	25.44	49.99	36.903		EC	27/04/2010	
33	36	3	31.96	40.1	25.68	32.58		EC	27/04/2010	
36	39	3	21	34.94	33.73	29.89		EC	27/04/2010	
39	42	3	49.51	24.54	32.88	35.643		JM	28/04/2010	
42	45	3	28.33	22.08	22.07	24.16		JM	28/04/2010	
45	48	3	39.18	29.69	35.2	34.69		JM	28/04/2010	
48	51	3	24.96	14.14	6.87	15.323		JM	28/04/2010	
51	54	3	0.976	0.688	0.913	0.859		JM	28/04/2010	
54	57	3	1.56	0.86	0.63	1.017		JM	28/04/2010	
57	60	3	0.523	0.377	1.214	0.705		JM	28/04/2010	
60	63	3	0.61	0.89	0.45	0.65		JM	28/04/2010	
63	66	3	0.708	0.56	0.55	0.606		JM	28/04/2010	
66	69	3	0.79	14.98	10.76	8.843		JM	28/04/2010	
69	72	3	18.68	12.34	30.4	20.473		JM	28/04/2010	
72	75	3	27.33	21.5	30.08	26.303		JM	28/04/2010	
75	78	3	25.76	3.12	16.44	15.107		JM	28/04/2010	
78	81	3	15.46	14.46	16.51	15.477		JM	28/04/2010	
81	84	3	17.7	23	17.29	19.33		JM	28/04/2010	
84	87	3	21.42	19.21	19.82	20.15		JM	28/04/2010	
87	90	3	22.43	9.32	17.94	16.563		JM	28/04/2010	
90	93	3	36.42	26.37	25.15	29.313		JM	28/04/2010	
93	96	3	41.36	29.01	32.6	34.323		JM	28/04/2010	
96	99	3	42.54	36.11	40.17	39.607		JM	28/04/2010	
99	102	3	36.7	33.88	37.07	35.883		JM	28/04/2010	
102	105	3	46.62	44.01	31.86	40.83		JM	28/04/2010	
105	108	3	19.45	15.51	42.04	25.667		JM	28/04/2010	
108	111	3	60.81	40.52	16.97	39.433		JM	28/04/2010	
111	114	3	34.22	31.97	36.59	34.26		JM	28/04/2010	
114	117	3	51.12	23.03	32.46	35.537		JM	28/04/2010	
117	120	3	51.96	35.26	38.24	41.82		JM	28/04/2010	
120	123	3	52.03	31.21	31.46	38.233		JM	28/04/2010	
123	126	3	39.86	69.28	43.68	50.94		JM	28/04/2010	



Data Logger Print Logs ~ Mag Susceptibility

Hole ID: **SB10-01**

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
126	129	3	37.6	32.56	42.22	37.46		JM	28/04/2010	
129	132	3	38.87	25.51	32.09	32.157		JM	28/04/2010	
132	135	3	24.34	20.02	26.05	23.47		JM	28/04/2010	
135	138	3	49.72	29.21	29.64	36.19		JM	28/04/2010	
138	141	3	47.15	37.8	29.05	38		JM	28/04/2010	
141	144	3	33.26	60.53	53.86	49.217		JM	28/04/2010	
144	147	3	50	43.82	37.88	43.9		JM	28/04/2010	
147	150	3	34.49	41.25	32.73	36.157		JM	28/04/2010	
150	153	3	54.94	65.09	73.04	64.357		JM	29/04/2010	
153	156	3	54.48	44.96	52.41	50.617		JM	29/04/2010	
156	159	3	54.19	68.85	52.27	58.437		JM	29/04/2010	
159	162	3	67.01	67.74	91.56	75.437		JM	29/04/2010	
162	165	3	96.91	59.24	70.35	75.5		JM	29/04/2010	
165	168	3	52.22	52.43	55.6	53.417		JM	29/04/2010	
168	171	3	68.42	57.63	58.6	61.55		JM	29/04/2010	
171	174	3	52.32	46.51	55.56	51.463		JM	29/04/2010	
174	177	3	55.84	50.8	46.47	51.037		JM	29/04/2010	
177	180	3	43.29	55.18	42.62	47.03		EC	01/05/2010	
180	183	3	64.73	41.05	56.84	54.207		EC	01/05/2010	
183	186	3	68.62	62.83	59.06	63.503		EC	01/05/2010	
186	189	3	42.84	52.72	70.07	55.21		EC	01/05/2010	
189	192	3	53.23	38.91	65.6	52.58		EC	01/05/2010	
192	195	3	61.54	44.52	34.4	46.82		EC	01/05/2010	
195	198	3	31.37	38.74	38.51	36.207		EC	01/05/2010	
198	201	3	40.32	42.39	41.93	41.547		EC	01/05/2010	
201	204	3	42.66	45.69	44.93	44.427		EC	01/05/2010	
204	207	3	48.04	50.16	42.69	46.963		EC	01/05/2010	
207	210	3	42.22	36.93	39.14	39.43		EC	01/05/2010	
210	213	3	40.53	36.53	41.17	39.41		EC	01/05/2010	
213	216	3	33.19	48.54	36.69	39.473		EC	01/05/2010	
216	219	3	40.2	41.15	42.55	41.3		EC	01/05/2010	
219	222	3	30	30.43	30.8	30.41		EC	01/05/2010	
222	225	3	30.68	34.02	35	33.233		EC	01/05/2010	
225	228	3	35.75	27.24	28.23	30.407		EC	01/05/2010	
228	231	3	43.29	36.64	32.52	37.483		EC	01/05/2010	
231	234	3	35.62	34.62	38.18	36.14		EC	01/05/2010	
234	237	3	41.23	36.22	31.38	36.277		EC	01/05/2010	
237	240	3	33.9	32.85	34.7	33.817		EC	01/05/2010	
240	243	3	36.15	32.58	30.18	32.97		EC	01/05/2010	



Data Logger Print Logs ~ Mag Susceptibility

Hole ID: SB10-01

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
243	246	3	27.32	28.54	33.78	29.88		EC	01/05/2010	
246	249	3	32.24	31.78	28.23	30.75		EC	01/05/2010	
249	252	3	35.38	31.06	34.25	33.563		EC	01/05/2010	
252	255	3	31.37	33.2	36.05	33.54		EC	01/05/2010	
255	258	3	28.1	32.35	34	31.483		EC	01/05/2010	
258	261	3	39.1	44.18	46.34	43.207		EC	01/05/2010	
261	264	3	40.71	36.73	44.38	40.607		EC	01/05/2010	
264	267	3	38.84	50.49	39.63	42.987		EC	01/05/2010	
267	270	3	48.26	40.83	51	46.697		EC	01/05/2010	
270	273	3	39.5	41.98	40.24	40.573		EC	01/05/2010	
273	276	3	43.78	45.97	44.63	44.793		EC	01/05/2010	
276	276.45	0.45	74.28			74.28		EC	01/05/2010	EOH



Data Logger Print Logs ~ DH Samples

DataSet: WJ_GF

Hole ID: SB10-01

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
47	50	205185	HC	BL	<input type="checkbox"/>	
51	54	205186	HC	BL	<input type="checkbox"/>	
90	93	205187	HC	BL	<input type="checkbox"/>	
123	126	205188	HC	BL	<input type="checkbox"/>	
145	148	205189	HC	BL	<input type="checkbox"/>	
185	188	205191	HC	BL	<input type="checkbox"/>	
222	225	205192	HC	BL	<input type="checkbox"/>	
246	249	205193	HC	BL	<input type="checkbox"/>	
274	276.45	205194	HC	BL	<input type="checkbox"/>	EOH



Data Logger Print Logs ~ Collars

DataSet: WJ_GF

Depth (m)	Hole Type	Core Diameter	Grid ID	East	North	Elevation	Survey Method	Survey Date	Survey By	Date Started	Date Completed	Logged By	Prospect	Validated By
Hole: SB10-02														
58.22 m	DD	NQ	UTM10N_NAD83	613399.95	5791040.63	997	DGPS	06/06/2010	TS	01/05/2010	03/05/2010	BL	Spellbound	
hole lost in fault at 58.22m, did not reach target depth										Hole to test Cu-Au-Mo soil anomaly				



Data Logger Print Logs ~ DH Surveys

DataSet: WJ_GF

Hole ID: SB10-02

Depth (m)	Survey Method	Grid ID	Dip	Orig Azimuth	EZ Shot Azimuth	Magnetic Declination	Date Surveyed	Survey Instrument	Comments
0	COLL	UTM10N_NAD83	-65	230		18	01/05/2010	EST	



DataSet: WJ_GF

Hole ID: SB10-02

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	0	5.49	Overburden	Overburden (OB)	casing to 7.62m

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
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Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
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Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
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Structure:	From (m)	To (m)	Type	Intensity	CA Angle
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	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	5.49	33.2	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	chl alt mafics,local 1% epid alt clasts to 4cm

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	5.49	33.2	Propy	Primary	W										patchy epid as fract controlled with weak ksp halos, also epud altered clasts

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	5.49	33.2	UnMin	0											

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	5.49	33.2	Vep	±ep	0.2	VQtz	±qtz	0.2							

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
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	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	33.2	51.8	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	phenos obscured by silica flooding? Or silica rich rx, remnant mafic and plag ghost phenos, local epid alt clasts to 4cm



DataSet: WJ_GF

Hole ID: SB10-02

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	33.2	51.8	Sil	OvPrnt	S										silica flooding

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	33.2	51.8	UnMin	0											

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	33.2	51.8	VQtz	±qtz	0.2										

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
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	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	51.8	58.22	Fault Gouge	Fault	fault gouge to end of the hole

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	51.8	58.22	CLY	OvPrnt	VS										clay gouge

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	51.8	58.22	UnMin	0											

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
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Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	51.8	58.22	FLTG	VS	25



Data Logger Print Logs ~ Geotechnical

DataSet: WJ_GF

Hole ID: SB10-02

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
5.49	7.62	2.13	2.13	100	0.98	46.01		99	99			PLUS CLAY
7.62	7.92	0.3	0.23	76.67	0	0		19	19			PLUS CLAY
7.92	9.45	1.53	1.25	81.7	0	0		109	109			PLUS CLAY real recovery 0.86
9.45	10.67	1.22	1	81.97	0	0		91	91			real recovery is 0.74 plus clay
10.67	12.19	1.52	1.23	80.92	0.4	26.32		80	80			PLUS CLAY
12.19	14.02	1.83	1.51	82.51	0.24	13.11		93	93			PLUS CLAY real recovery is 1.31
14.02	14.94	0.92	0.78	84.78	0	0		90	90			
14.94	17.07	2.13	1.94	91.08	0.51	23.94		78	78			
17.07	19.02	1.95	1.88	96.41	0.49	25.13		77	77			
19.02	20.12	1.1	0.87	79.09	0.36	32.73		32	32			plus clay
20.12	23.16	3.04	2.91	95.72	1.3	42.76		78	78			plus clay
23.16	23.77	0.61	0.64	104.92	0.12	19.67		31	31			plus clay
23.77	25.91	2.14	1.9	88.79	0.96	44.86		48	48			plus clay
25.91	28.96	3.05	2.87	94.1	1.93	63.28		27	27			
28.96	31.39	2.43	2.48	102.06	1.21	49.79		33	33			
31.39	34.14	2.75	2.67	97.09	1.53	55.64		48	48			
34.14	35.36	1.22	1.18	96.72	0.98	80.33		14	14			
35.36	37.19	1.83	1.68	91.8	0.78	42.62		30	30			
37.19	39.62	2.43	2.4	98.77	1.23	50.62		47	47			
39.62	41.45	1.83	1.97	107.65	1.5	81.97		18	18			
41.45	43.28	1.83	1.75	95.63	0.93	50.82		24	24			
43.28	46.02	2.74	2.62	95.62	1.26	45.99		72	72			
46.02	47.55	1.53	1.58	103.27	0.62	40.52		64	64			plus clay
47.55	50.6	3.05	3.01	98.69	1.5	49.18		66	66			
50.6	52.73	2.13	2.17	101.88	0.62	29.11		99	99			half the run solid clay
52.73	54.25	1.52	1.67	109.87	0	0		34	34			the hole run is clay with patchy rock
54.25	54.56	0.31	0.31	100	0	0		24	24			the hole run is clay with patchy rock
54.56	55.17	0.61	0.5	81.97	0	0		28	28			the hole run is solid clay with patchy rock
55.17	58.22	3.05	2.5	81.97	0	0		74	74			solid run of clay with a couple of rock fragments EOH



Data Logger Print Logs ~ Mag Susceptibility

DataSet: WJ_GF

Hole ID: SB10-02

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
5.49	8	2.51	0.25	0.2	0.21	0.22		EC	02/05/2010	
8	11	3	0.16	0.47	0.14	0.257		EC	02/05/2010	
11	14	3	0.38	1.3	0.21	0.63		EC	02/05/2010	
14	17	3	0.52	0.85	0.17	0.513		EC	02/05/2010	
17	20	3	0.36	0.2	0.28	0.28		EC	03/05/2010	
20	23	3	0.19	1.16	0.17	0.507		EC	03/05/2010	
23	26	3	0.18	0.24	0.26	0.227		EC	03/05/2010	
26	29	3	0.16	0.27	0.6	0.343		EC	03/05/2010	
29	32	3	0.46	0.9	0.23	0.53		EC	03/05/2010	
32	35	3	0.2	0.15	1.02	0.457		EC	03/05/2010	
35	38	3	0.43	0.11	0.14	0.227		EC	03/05/2010	
38	41	3	0.16	0.16	0.21	0.177		EC	03/05/2010	
41	44	3	0.16	0.22	0.24	0.207		EC	03/05/2010	
44	47	3	0.21	0.15	0.4	0.253		EC	03/05/2010	
47	50	3	0.19	0.05	0.18	0.14		EC	03/05/2010	
50	53	3	0.21	0.24	0.15	0.2		EC	03/05/2010	
53	56	3	0.03	0.17	0.18	0.127		EC	03/05/2010	
56	58.22	2.22	0.22	0.11	0.11	0.147		EC	03/05/2010	EOH



Data Logger Print Logs ~ DH Samples

DataSet: WJ_GF

Hole ID: SB10-02

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
5.49	7.62	205195	HC	BL	<input type="checkbox"/>	
7.62	10	205196	HC	BL	<input type="checkbox"/>	
10	13	205197	HC	BL	<input checked="" type="checkbox"/>	
13	16	205198	HC	BL	<input type="checkbox"/>	
16	19	205199	HC	BL	<input type="checkbox"/>	
19	22	205201	HC	BL	<input type="checkbox"/>	
22	25	205202	HC	BL	<input type="checkbox"/>	
25	28	205203	HC	BL	<input type="checkbox"/>	
28	31	205204	HC	BL	<input type="checkbox"/>	
31	33.2	205205	HC	BL	<input type="checkbox"/>	
33.2	36	205206	HC	BL	<input type="checkbox"/>	
36	39	205207	HC	BL	<input type="checkbox"/>	
39	42	205208	HC	BL	<input type="checkbox"/>	
42	45	205209	HC	BL	<input type="checkbox"/>	
45	46	205211	HC	BL	<input type="checkbox"/>	
46	49	205212	HC	BL	<input type="checkbox"/>	
49	51.8	205213	HC	BL	<input type="checkbox"/>	
51.8	53	205214	HC	BL	<input type="checkbox"/>	
53	55	205215	HC	BL	<input type="checkbox"/>	
55	56	205216	HC	BL	<input type="checkbox"/>	
56	58.22	205217	HC	BL	<input type="checkbox"/>	EOH



Data Logger Print Logs ~ Collars

DataSet: WJ_GF

Depth (m)	Hole Type	Core Diameter	Grid ID	East	North	Elevation	Survey Method	Survey Date	Survey By	Date Started	Date Completed	Logged By	Prospect	Validated By
Hole: SB10-03														
53.34 m	DD	NQ	UTM10N_NAD83	613400.33	5791041.44	998	DGPS	06/06/2010	TS	03/05/2010	04/05/2010	BL	Spellbound	
lost hole in fault											Retry SB10-02 at -90 dip			



Data Logger Print Logs ~ DH Surveys

DataSet: WJ_GF

Hole ID: SB10-03

Depth (m)	Survey Method	Grid ID	Dip	Orig Azimuth	EZ Shot Azimuth	Magnetic Declination	Date Surveyed	Survey Instrument	Comments
0	COLL	UTM10N_NAD83	-90	0		18	03/05/2010	EST	



DataSet: WJ_GF

Hole ID: SB10-03

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	0	7.38	Overburden	Overburden (OB)	

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
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Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
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Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
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Structure:	From (m)	To (m)	Type	Intensity	CA Angle
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	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	7.38	11	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	chl alt mafics rubble core

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	7.38	11	Pot	Primary	W										chl alt mafics

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	7.38	11	UnMin	0											

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
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Structure:	From (m)	To (m)	Type	Intensity	CA Angle
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	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	11	20	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	silica flooded obscures remnant mafic an plag phenos



DataSet: WJ_GF

Hole ID: SB10-03

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	11	20	Sil	Primary	S										silica flooding obscures remnant mafic and plagioclase phenos

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	11	20	UnMin	0											

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	7.38	20	RUB	S	

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	20	46	Fault Gouge	Fault	clay gouge

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	20	46	CLY	RegOvPt	VS										clay fault gouge

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	20	46	UnMin	0											clay fault gouge

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	20	46	FLTG	VS	40

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	46	53.34	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	rubble with clay

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	46	53.34	Propy	Primary	W										chl alteration of mafics

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	46	53.34	UnMin	0											

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	46	53.34	RUB	S	



Data Logger Print Logs ~ Geotechnical

DataSet: WJ_GF

Hole ID: SB10-03

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
7.38	9.14	1.76	1.76	100	0.35	19.89		81	81			PLUS CLAY
9.14	10.97	1.83	1.41	77.05	0.36	19.67		103	103			PLUS CLAY
10.97	12.19	1.22	1.06	86.89	0.36	29.51		69	69			PLUS CLAY
12.19	13.72	1.53	1.35	88.24	0.45	29.41		67	67			PLUS CLAY
13.72	15.24	1.52	1.38	90.79	0.56	36.84		73	73			PLUS CLAY
15.24	16.46	1.22	0.73	59.84	0.11	9.02		64	64			PLUS CLAY
16.46	17.68	1.22	1	81.97	0.11	9.02		76	76			REAL RECOVERY IS 0.57 PLUS CLAY
17.68	20.12	2.44	2.44	100	0	0		82	82			REAL RECOVERY IS 0.44 PLUS CLAY
20.12	22.25	2.13	2	93.9	0	0		500	500			REAL RECOVERY IS 1.42 PLUS CLAY
22.25	23.16	0.91	0.7	76.92	0	0		48	48			REAL RECOVERY IS 0.65 THE HOLE RUN IS MOSTLY CLAY
23.16	25.6	2.44	2.37	97.13	0.11	4.51		1000	1000			ALMOST THE HOLE RUN IS CLAY WITH LOTS OF FRACTURE
25.6	25.91	0.31	0.3	96.77	0	0		38	38			plus clay
25.91	27.13	1.22	1.19	97.54	0.37	30.33		112	112			PLUS CLAY
27.13	28.96	1.83	1.67	91.26	0.41	22.4		500	500			PLUS CLAY
28.96	32	3.04	2.5	82.24	0	0		1000	1000			PLUS CLAY REALRECOVERY IS 1.91 HEAVY FRACTURE ZONE
32	35.05	3.05	2.98	97.7	0	0		2000	2000			PLUS CLAY HEAVY CLAY FRACTURE ZONE THE HOLE RUN
35.05	38.1	3.05	2.91	95.41	0	0		1000	1000			PLUS CLAY HEAVY FRACTURE ZONE PATCHY ROCK AREAS
38.1	41.15	3.05	2.63	86.23	0	0		1000	1000			PLUS CLAY HEAVY FRACTURE ZONE ALMOST ALL CLAY
41.15	44.2	3.05	2.56	83.93	0	0		1500	1500			HEAVY FRACTURE ZONE MIX WITH CLAY
44.2	47.24	3.04	2.66	87.5	0	0		1000	1000			HEAVY FRACTURE ZONE WITH LOTS OF CLAY
47.24	50.29	3.05	2.5	81.97	0	0		500	500			.33m clay
50.29	53.34	3.05	2.34	76.72	0.18	5.9		200	200			.81m actual recovery. Heavy loss most likely clay and sand. EOH.



Data Logger Print Logs ~ Mag Susceptibility

DataSet: WJ_GF

Hole ID: SB10-03

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
7.38	10	2.62	0.19	0.46	0.2	0.283		EC	04/05/2010	
10	13	3	0.24	0.19	0.23	0.22		EC	04/05/2010	
13	16	3	0.22	0.2	0.17	0.197		EC	04/05/2010	
16	19	3	0.16	1.35	0.11	0.54		EC	04/05/2010	
19	22	3	0.05	0.12	0.41	0.193		EC	04/05/2010	
22	25	3	0.12	0.46	0.13	0.237		EC	04/05/2010	
25	28	3	0.12	0.04	0.05	0.07		EC	04/05/2010	
28	31	3	0.21	0.64	0.04	0.297		EC	04/05/2010	
31	34	3	0.04	0.06	0.05	0.05		EC	04/05/2010	
34	37	3	0.24	0.22	0.83	0.43		EC	04/05/2010	
37	40	3	0.02	1.24	0.16	0.473		EC	04/05/2010	
40	43	3	0.14	0.04	0.02	0.067		EC	04/05/2010	
43	46	3	0.23	0.29	0.16	0.227		EC	04/05/2010	
46	49	3	0.05	0.97	0.32	0.447		EC	04/05/2010	
49	52	3	0.408	0.721	0.166	0.432		JM	05/05/2010	
52	53.34	1.34	0.14	0.332	0.26	0.244		JM	05/05/2010	



Data Logger Print Logs ~ DH Samples

DataSet: WJ_GF

Hole ID: SB10-03

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
7.38	9.14	205218	HC	BL	<input type="checkbox"/>	
9.14	11	205219	HC	BL	<input type="checkbox"/>	
11	14	205221	HC	BL	<input type="checkbox"/>	
14	17	205222	HC	BL	<input type="checkbox"/>	
17	20.12	205223	HC	BL	<input type="checkbox"/>	
20.12	22.25	205224	HC	BL	<input type="checkbox"/>	
22.25	23.16	205225	HC	BL	<input checked="" type="checkbox"/>	
23.16	25.6	205226	HC	BL	<input type="checkbox"/>	
25.6	25.91	205227	HC	BL	<input type="checkbox"/>	
25.91	27.13	205228	HC	BL	<input type="checkbox"/>	
27.13	28.96	205229	HC	BL	<input type="checkbox"/>	
28.96	32	205231	HC	BL	<input type="checkbox"/>	
32	34	205232	HC	BL	<input type="checkbox"/>	
34	36	205233	HC	BL	<input type="checkbox"/>	
36	38	205234	HC	BL	<input type="checkbox"/>	
38	40	205235	HC	BL	<input type="checkbox"/>	
40	42	205236	HC	BL	<input type="checkbox"/>	
42	44	205237	HC	BL	<input type="checkbox"/>	
44	46	205238	HC	BL	<input type="checkbox"/>	
46	48	205239	HC	BL	<input checked="" type="checkbox"/>	
48	50.29	205241	HC	BL	<input type="checkbox"/>	
50.29	53.34	205242	HC	BL	<input type="checkbox"/>	



Data Logger Print Logs ~ Collars

DataSet: WJ_GF

Depth (m)	Hole Type	Core Diameter	Grid ID	East	North	Elevation	Survey Method	Survey Date	Survey By	Date Started	Date Completed	Logged By	Prospect	Validated By
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Hole: SB10-04

302.06 m	DD	NQ	UTM10N_NAD83	613371.55	5790755.06	1009	DGPS	06/06/2010	TS	04/05/2010	09/05/2010	BL	Spellbound	
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Weak disseminated and fracture controlled chalcopyrite, bornite and molybdenite, explains the soil anomaly, hopefully we're on the edge of something big.

Hole to test coincidental Cu-Au-Mo soil anomaly



Data Logger Print Logs ~ DH Surveys

DataSet: WJ_GF

Hole ID: SB10-04

Depth (m)	Survey Method	Grid ID	Dip	Orig Azimuth	EZ Shot Azimuth	Magnetic Declination	Date Surveyed	Survey Instrument	Comments
0	COLL	UTM10N_NAD83	-80	235		18	10/05/2010	EST	
7	EZ Shot	UTM10N_NAD83	-78.5	235	227.6	18	10/05/2010	EZ	
151	EZ Shot	UTM10N_NAD83	-78.6	235	229.1	18	10/05/2010	EZ	
297	EZ Shot	UTM10N_NAD83	-78.9	235	233.5	18	10/05/2010	EZ	



DataSet: WJ_GF

Hole ID: SB10-04

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	0	4.57	Overburden	Overburden (OB)	

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
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Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
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Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
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Structure:	From (m)	To (m)	Type	Intensity	CA Angle
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	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	4.57	28.3	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	rubbley core, trace Cu oxides on fract, trace native Cu on chl fract, weak ksp alt of matrix, 1% diis mag, weak hem stain fract

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
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4.57	28.3	Pot_Ksp	Primary	W	Hem/Ox	VnEnv	W								weak ksp alt of matrix with chl-mag alt mafics, 1% diss mag, weak hem envelopes to 5mm of fract
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Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
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4.57	28.3	Cu	0.2	FRA	Mal	0.2	FRA	Cpy	0.1	FRA	Bor	0.2			fine native Cu and rarely cp on fract, local pale green blue Cu ox coating to fract,, bornite with cp in white qz vns
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Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
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Structure:	From (m)	To (m)	Type	Intensity	CA Angle
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15	20	RUB	M		
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	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	28.3	32	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	hem-chl-epid propylitic overprint



DataSet: WJ_GF

Hole ID: SB10-04

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	28.3	32	Propy	OvPrnt	W										epid as patches to 4cm, hem as 50cm stained sections, chl alt mafic and plag phenos and fract coatings

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	28.3	32	Cu	0.2	FRA										fine native Cu diss on fractures

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	28.3	32	RUB	M	

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	32	89	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	mod ksp alt, chl alt maics 1-3% diss mag, rare native Cu on fract giving way to increasing cp downhole, rare moly on fract

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	32	89	Pot_Ksp	Primary	M										ksp alt of matrix, chl-mag alt HB phenos, local bio instead of chl @37m, 1% diss mag to 2mm

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	32	89	Cpy	0.2	FRA	Bor	0.2	FRA	Mo	0.1	FRA				cp, rarely diss, rare local white qz vns with clots of cp +/- bornite to 5mm, bornite decreases downhole with increasing cp, rare moly blebs to 3mm on fractures

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	32	89	VQtz	±cpy±Cu	0.2										

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	55	57	RUB	W	

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	89	108	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	orange hem dusting of ksp alt + patchy epidote to 3cm



DataSet: WJ_GF

Hole ID: SB10-04

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	89	108	Hem/Ox	OvPrnt	M	Pot_Ksp	Primary	M							ksp alt matrix with hem dusting giving orange colour, epidote patches to 3cm, chl fracture coating

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	89	108	Cpy	0.2	FOL										

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	89	108	Vcarb	±carb	1										

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	89	106	RUB	W	

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	108	166	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	mod ksp alt, chl alt maics 1-3% diss mag, trace to rare cp diss in altered mafics and on fracts

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	108	166	Pot_Ksp	Primary	M										ksp alt of matrix, chl-mag alt HB phenos, chl-hem stain fractures, trace-1% diss mag to 2mm

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	108	166	Cpy	0.2	VNS										local trace-rare cp disseminated in fracture selvages, rare as fine mafic replacement

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	108	166	Vcarb	±carb	1										

Structure:	From (m)	To (m)	Type	Intensity	CA Angle

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	166	183	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	clay overprint chl-epid pitted mafic phenos around fault between 169-181m



DataSet: WJ_GF

Hole ID: SB10-04

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	166	183	CLY	OvPrnt	M	Pot_Ksp	Primary	M							clay-chl-epid alt overprint around fault

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	166	183	Cpy	0.2	FRA										rare cp on fracts

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	166	183	Vcarb	±carb	5										

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	166	169	RUB	M	10
	169	181	FLT		
	181	183		W	

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	183	258	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	mod ksp alt, chl alt maics 1-3% diss mag, trace to rare cp diss in altered mafics and on fracts, gradation increase in hematite alt below 248m

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	183	258	Pot_Ksp	Primary	M										ksp alt of matrix, chl-mag alt HB phenos, chl-hem stain fractures, trace-1% diss mag to 2mm

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	183	258	Cpy	0.2	DIS										rare cp

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	183	258	Vcarb	±carb	1										

Structure:	From (m)	To (m)	Type	Intensity	CA Angle

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	258	267.3	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	hematite stained, local propylitic crush zones to 30cm, crush zone to 261m



DataSet: WJ_GF

Hole ID: SB10-04

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	258	267.3	Hem/Ox	OvPrnt	M										orange hem overprint with chl alt mafic, clay coroded plag phenos and minor epid patches to 3cm, weakly magnetic

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	258	267.3	Cpy	0.2	DIS										rare cp, @255m 4cm silica patch with mesh of fine cp - clast?

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	258	267.3	Vcarb	±carb±chl	1										

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	258	261	RUB	W	10

LITHO	From (m)	To (m)	GF Lith	Local Lith	Description
	267.3	300	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	silica altered wih indistinct plag phenos, chl altered mafics, weakly to non magnetic, diss hematite

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	267.3	300	Sil	Primary	M										silica altered wih indistinct plag phenos, chl altered mafics, weakly to non magnetic, diss hematite with chl in altered mafics

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	267.3	300	UnMin	0											unmineralized

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	267.3	300	VQtz	±qtz	0.5										

Structure:	From (m)	To (m)	Type	Intensity	CA Angle



Data Logger Print Logs ~ Geotechnical

DataSet: WJ_GF

Hole ID: SB10-04

From (m)	To (m)	Interval Length	Recov. (m)	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
4	6.1	2.1	1.2	57.14	0.11	5.24		100	100			Actual recovery 1.10m
6.1	7.92	1.82	1.94	106.59	0.94	51.65		50	50			
7.92	9.45	1.53	1.45	94.77	0.87	56.86		50	50			
9.45	10.36	0.91	0.7	76.92	0.1	10.99		23	23			
10.36	11.89	1.53	1.33	86.93	0.28	18.3		100	100			
11.89	12.5	0.61	0.46	75.41	0	0		70	70			Actual recovery .41m
12.5	14.02	1.52	1.47	96.71	0.27	17.76		120	120			
14.02	15.54	1.52	1.32	86.84	0.65	42.76		40	40			
15.54	16.15	0.61	0.45	73.77	0	0		200	200			
16.15	17.37	1.22	0.79	64.75	0	0		200	200			
17.37	18.29	0.92	0.77	83.7	0	0		80	80			
18.29	19.51	1.22	0.93	76.23	0	0		100	100			Actual recovery .90m
19.51	21.34	1.83	1.61	87.98	0.61	33.33		70	70			
21.34	22.25	0.91	0.91	100	0.38	41.76		20	20			
22.25	23.77	1.52	1.58	103.95	0.98	64.47		37	37			
23.77	25.6	1.83	1.61	87.98	0.49	26.78		30	30			
25.6	27.13	1.53	1.36	88.89	0.54	35.29		45	45			
27.13	28.96	1.83	1.81	98.91	0.92	50.27		50	50			
28.96	29.87	0.91	0.83	91.21	0.14	15.38		30	30			
29.87	30.78	0.91	0.7	76.92	0	0		180	180			Clay in fractures.
30.78	32.31	1.53	1.3	84.97	0	0		150	150			
32.31	33.53	1.22	1.04	85.25	0	0		65	65			
33.53	34.75	1.22	1.14	93.44	0.59	48.36		18	18			
34.75	36.27	1.52	1.42	93.42	0.25	16.45		40	40			
36.27	38.4	2.13	2.13	100	1.52	71.36		20	20			
38.4	40.54	2.14	2.13	99.53	1.21	56.54		34	34			
40.54	41.45	0.91	0.74	81.32	0.48	52.75		10	10			
41.45	44.5	3.05	3.05	100	1.75	57.38		42	42			
44.5	47.55	3.05	2.91	95.41	2.1	68.85		40	40			
47.55	50.6	3.05	2.95	96.72	2.02	66.23		43	43			
50.6	53.64	3.04	3.04	100	2.11	69.41		30	30			
53.64	55.78	2.14	2.06	96.26	1.14	53.27		55	55			
55.78	56.69	0.91	0.72	79.12	0.13	14.29		80	80			
56.69	58.22	1.53	1.15	75.16	0.51	33.33		70	70			
58.22	59.44	1.22	1.39	113.93	0.73	59.84		60	60			
59.44	59.74	0.3	0.28	93.33	0.11	36.67		4	4			
59.74	61.57	1.83	1.8	98.36	0.86	46.99		65	65			



Data Logger Print Logs ~ Geotechnical

Hole ID: **SB10-04**

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
61.57	62.79	1.22	1.05	86.07	0.47	38.52		27	27			
62.79	64.92	2.13	2.08	97.65	1.34	62.91		25	25			
64.92	65.84	0.92	0.88	95.65	0.61	66.3		20	20			
65.84	67.36	1.52	1.63	107.24	0.82	53.95		40	40			
67.36	68.88	1.52	1.34	88.16	0.3	19.74		40	40			
68.88	69.49	0.61	0.59	96.72	0	0		25	25			
69.49	71.93	2.44	2.24	91.8	1.13	46.31		40	40			
71.93	74.37	2.44	2.31	94.67	0.94	38.52		40	40			
74.37	74.98	0.61	0.64	104.92	0.14	22.95		20	20			
74.98	76.2	1.22	1.15	94.26	0.12	9.84		70	70			
76.2	77.11	0.91	0.78	85.71	0.13	14.29		37	37			
77.11	78.03	0.92	0.82	89.13	0.57	61.96		19	19			
78.03	79.55	1.52	1.36	89.47	0.26	17.11		100	100			
79.55	79.86	0.31	0.24	77.42	0	0		100	100			Actual recovery .18m
79.86	81.08	1.22	1.12	91.8	0.45	36.89		30	30			
81.08	82.6	1.52	1.4	92.11	0.54	35.53		60	60			
82.6	84.12	1.52	1.26	82.89	0.38	25		50	50			
84.12	85.65	1.53	1.43	93.46	0.84	54.9		30	30			
85.65	86.56	0.91	1.05	115.38	0.24	26.37		30	30			
86.56	87.17	0.61	0.46	75.41	0.14	22.95		7	7			
87.17	89	1.83	1.75	95.63	0.44	24.04		60	60			
89	89.92	0.92	0.87	94.57	0	0		52	52			
89.92	90.22	0.3	0.26	86.67	0	0		12	12			
90.22	91.74	1.52	1.4	92.11	0.45	29.61		64	64			
91.74	93.27	1.53	1.41	92.16	0.38	24.84		55	55			
93.27	94.49	1.22	1.02	83.61	0.11	9.02		73	73			
94.49	95.71	1.22	1.15	94.26	0	0		73	73			
95.71	98.76	3.05	2.99	98.03	0.56	18.36		197	197			
98.76	100.89	2.13	1.94	91.08	0.46	21.6		141	141			
100.89	101.8	0.91	1.01	110.99	0.11	12.09		104	104			
101.8	104.55	2.75	2.51	91.27	0.51	18.55		103	103			
104.55	106.38	1.83	1.74	95.08	0.2	10.93		136	136			
106.38	108.51	2.13	2.07	97.18	1.11	52.11		47	47			
108.51	110.95	2.44	2.47	101.23	0.45	18.44		93	93			
110.95	113.39	2.44	2.25	92.21	0.21	8.61		99	99			
113.39	114.91	1.52	1.69	111.18	0.43	28.29		74	74			
114.91	116.74	1.83	1.65	90.16	0.19	10.38		116	116			
116.74	117.04	0.3	0.3	100	0	0		77	77			REAL RECOVERY IS 0.42
117.04	118.57	1.53	1.31	85.62	0	0		79	79			



Data Logger Print Logs ~ Geotechnical

Hole ID: **SB10-04**

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
118.57	119.18	0.61	0.55	90.16	0	0		65	65			
119.18	119.79	0.61	0.75	122.95	0.12	19.67		34	34			real recovery is 0.85
119.79	121.62	1.83	1.65	90.16	0	0		115	115			
121.62	122.53	0.91	0.76	83.52	0	0		107	107			
122.53	124.36	1.83	1.81	98.91	0.51	27.87		66	66			
124.36	125.88	1.52	1.44	94.74	0	0		134	134			
125.88	127.71	1.83	1.53	83.61	0	0		127	127			
127.71	129.54	1.83	1.86	101.64	0.91	49.73		59	59			
129.54	131.67	2.13	1.98	92.96	0.36	16.9		152	152			
131.67	132.89	1.22	1.2	98.36	0.45	36.89		38	38			
132.89	135.94	3.05	2.98	97.7	1.6	52.46		39	39			
135.94	137.77	1.83	1.84	100.55	0.34	18.58		60	60			
137.77	138.99	1.22	1.01	82.79	0.18	14.75		47	47			
138.99	141.12	2.13	2.19	102.82	0	0		88	88			
141.12	142.04	0.92	0.75	81.52	0.59	64.13		13	13			real recovery is 0.67
142.04	142.65	0.61	0.5	81.97	0.12	19.67		12	12			real recovery is 0.45
142.65	143.87	1.22	1.02	83.61	0.37	30.33		96	96			
143.87	145.08	1.21	1.28	105.79	0.1	8.26		184	184			
145.08	146.61	1.53	1.79	116.99	0.45	29.41		55	55			
146.61	148.13	1.52	1.39	91.45	0.68	44.74		49	49			
148.13	149.96	1.83	1.5	81.97	0.63	34.43		30	30			real recovery is 1.27
149.96	151.18	1.22	1.26	103.28	0.58	47.54		56	56			
151.18	152.4	1.22	1.31	107.38	0.61	50		44	44			
152.4	154.23	1.83	1.66	90.71	0.93	50.82		27	27			
154.23	156.36	2.13	2.25	105.63	0.86	40.38		77	77			
156.36	157.28	0.92	0.65	70.65	0.42	45.65		9	9			
157.28	160.32	3.04	3.06	100.66	1.97	64.8		34	34			
160.32	163.37	3.05	2.99	98.03	2.25	73.77		32	32			
163.37	166.42	3.05	2.95	96.72	1.88	61.64		49	49			
166.42	167.94	1.52	1.52	100	0.16	10.53		85	85			
167.94	169.47	1.53	1.25	81.7	0.11	7.19		74	74			plus clay
169.47	172.52	3.05	2.95	96.72	0.24	7.87		253	253			plus clay
172.52	174.65	2.13	1.86	87.32	0	0		220	220			plus clay
174.65	177.39	2.74	2.59	94.53	0.25	9.12		234	234			plus clay
177.39	178.31	0.92	1.1	119.57	0.26	28.26		63	63			plus clay
178.31	180.44	2.13	1.85	86.85	0.27	12.68		59	59			
180.44	183.18	2.74	2.65	96.72	0.57	20.8		83	83			
183.18	184.71	1.53	1.41	92.16	0	0		56	56			plus clay
184.71	187.76	3.05	3.02	99.02	0.71	23.28		91	91			plus clay



Data Logger Print Logs ~ Geotechnical

Hole ID: **SB10-04**

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
187.76	190.8	3.04	2.99	98.36	1.88	61.84		19	19			
190.8	193.24	2.44	2.42	99.18	0.89	36.48		56	56			
193.24	196.29	3.05	2.89	94.75	0.16	5.25		146	146			
196.29	198.12	1.83	1.43	78.14	0	0		115	115			
198.12	199.34	1.22	1.37	112.3	0.35	28.69		68	68			
199.34	200.56	1.22	1.12	91.8	0.42	34.43		21	21			
200.56	203	2.44	2.33	95.49	0.99	40.57		28	28			
203	206.04	3.04	2.86	94.08	1.36	44.74		41	41			
206.04	209.09	3.05	2.64	86.56	1.73	56.72		35	35			
209.09	210.01	0.92	1.1	119.57	0.37	40.22		39	39			
210.01	211.23	1.22	1.35	110.66	0.24	19.67		48	48			
211.23	212.14	0.91	0.87	95.6	0.35	38.46		15	15			
212.14	214.58	2.44	2.21	90.57	0.51	20.9		58	58			
214.58	215.19	0.61	0.5	81.97	0.23	37.7		8	8			real recovery is 0.43
215.19	216.41	1.22	1.34	109.84	0.11	9.02		86	86			
216.41	218.24	1.83	1.38	75.41	0.77	42.08		20	20			
218.24	221.28	3.04	2.88	94.74	1.49	49.01		58	58			
221.28	222.81	1.53	1.42	92.81	0.55	35.95		37	37			
222.81	225.55	2.74	2.52	91.97	0.37	13.5		119	119			
225.55	227.38	1.83	1.66	90.71	0	0		75	75			
227.38	227.99	0.61	0.52	85.25	0.13	21.31		21	21			plus clay
227.99	229.21	1.22	1.07	87.7	0	0		65	65			plus clay
229.21	230.43	1.22	1.26	103.28	0.68	55.74		15	15			
230.43	233.48	3.05	2.95	96.72	0.89	29.18		57	57			
233.48	236.22	2.74	2.66	97.08	0.47	17.15		95	95			
236.22	237.44	1.22	1.24	101.64	0.42	34.43		47	47			
237.44	239.57	2.13	2.02	94.84	0.67	31.46		81	81			
239.57	242.32	2.75	2.7	98.18	1.2	43.64		70	70			
242.32	245.36	3.04	3.03	99.67	0.84	27.63		64	64			
245.36	248.41	3.05	2.84	93.11	1.09	35.74		65	65			
248.41	249.02	0.61	0.74	121.31	0.41	67.21		13	13			
249.02	251.76	2.74	2.54	92.7	1.41	51.46		39	39			plus clay
251.76	253.9	2.14	2.12	99.07	0.52	24.3		66	66			
253.9	256.95	3.05	2.91	95.41	0.69	22.62		63	63			
256.95	257.56	0.61	0.58	95.08	0.19	31.15		16	16			
257.56	258.47	0.91	0.89	97.8	0.35	38.46		22	22			
258.47	260.91	2.44	2.28	93.44	0.44	18.03		73	73			plus clay
260.91	263.96	3.05	3.02	99.02	1.19	39.02		68	68			
263.96	267	3.04	3	98.68	0.88	28.95		48	48			



Data Logger Print Logs ~ Geotechnical

Hole ID: **SB10-04**

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
267	269.14	2.14	2.13	99.53	0.69	32.24		43	43			
269.14	270.05	0.91	0.88	96.7	0.42	46.15		18	18			
270.05	273.1	3.05	2.96	97.05	1.71	56.07		47	47			
273.1	276.15	3.05	2.85	93.44	0.72	23.61		74	74			
276.15	277.06	0.91	0.87	95.6	0.11	12.09		42	42			
277.06	279.2	2.14	2.14	100	1.09	50.93		36	36			
279.2	282.24	3.04	2.82	92.76	1.15	37.83		57	57			
282.24	284.38	2.14	1.66	77.57	0.11	5.14		64	64			
284.38	285.27	0.89	1	112.36	0.72	80.9		12	12			real recovery is 1.29
285.27	288.34	3.07	2.9	94.46	1.39	45.28		44	44			
288.34	289.86	1.52	1.45	95.39	0	0		56	56			
289.86	291.39	1.53	1.53	100	0.88	57.52		18	18			
291.39	294.44	3.05	3.01	98.69	1.72	56.39		34	34			
294.44	297.48	3.04	2.97	97.7	0.81	26.64		49	49			
297.48	300.53	3.05	2.87	94.1	1.17	38.36		54	54			
300.53	302.06	1.53	1.41	92.16	0.42	27.45		55	55			EOH



Data Logger Print Logs ~ Mag Susceptibility

DataSet: WJ_GF

Hole ID: SB10-04

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
4.57	7	2.43	3.1	34.02	51.3	29.473		JM	06/05/2010	
7	10	3	43.25	1.324	1.427	15.334		JM	06/05/2010	
10	13	3	54.59	41.68	2.356	32.875		JM	06/05/2010	
13	16	3	51.39	49.97	39.67	47.01		JM	06/05/2010	
16	19	3	46.35	23.77	5.475	25.198		JM	06/05/2010	
19	22	3	16.47	64.56	59.22	46.75		JM	06/05/2010	
22	25	3	79.22	63.45	54.53	65.733		JM	06/05/2010	
25	28	3	62.08	42.54	35.98	46.867		JM	06/05/2010	
28	31	3	0.347	0.44	0.141	0.309		JM	06/05/2010	
31	34	3	0.533	1.146	52.9	18.193		JM	06/05/2010	
34	37	3	51.7	61.84	67.23	60.257		JM	06/05/2010	
37	40	3	46.67	59.79	57.3	54.587		JM	06/05/2010	
40	43	3	68.5	62.08	63.75	64.777		JM	06/05/2010	
43	46	3	64	42.63	57.62	54.75		JM	06/05/2010	
46	49	3	59.76	49.96	52.91	54.21		JM	06/05/2010	
49	52	3	45.34	69.69	61.84	58.957		JM	06/05/2010	
52	55	3	72.21	26.28	65	54.497		JM	06/05/2010	
55	58	3	46.41	58.03	63.64	56.027		JM	06/05/2010	
58	61	3	48.56	68.75	57.19	58.167		JM	06/05/2010	
61	64	3	50.69	53.52	46.4	50.203		JM	06/05/2010	
64	67	3	53.71	60.16	57.56	57.143		JM	06/05/2010	
67	70	3	36.23	53.29	43.3	44.273		JM	06/05/2010	
70	73	3	41.38	59.17	57.73	52.76		JM	06/05/2010	
73	76	3	57.95	40.17	38.35	45.49		JM	06/05/2010	
76	79	3	24.61	46.75	39.92	37.093		JM	06/05/2010	
79	82	3	33.86	50.38	50.83	45.023		JM	06/05/2010	
82	85	3	53.41	40.01	39.44	44.287		JM	06/05/2010	
85	88	3	37.32	40.95	28.07	35.447		JM	06/05/2010	
88	91	3	45.87	2.03	45.23	31.043		EC	07/05/2010	
91	94	3	53.92	44.5	21.31	39.91		EC	07/05/2010	
94	97	3	3.06	19.26	18.84	13.72		EC	07/05/2010	
97	100	3	0.92	6.72	0.33	2.657		EC	07/05/2010	
100	103	3	0.41	0.73	0.63	0.59		EC	07/05/2010	
103	106	3	0.55	0.87	1.02	0.813		EC	07/05/2010	
106	109	3	38.99	44.58	47.71	43.76		EC	07/05/2010	
109	112	3	54.67	35.95	55.75	48.79		EC	07/05/2010	
112	115	3	49.63	23.78	46.21	39.873		EC	07/05/2010	



Data Logger Print Logs ~ Mag Susceptibility

Hole ID: SB10-04

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
115	118	3	48.81	36.24	26.26	37.103		EC	07/05/2010	
118	121	3	48.84	56.7	42.03	49.19		EC	07/05/2010	
121	124	3	55.89	50.4	54.38	53.557		EC	07/05/2010	
124	127	3	35.55	13.01	35.68	28.08		EC	07/05/2010	
127	130	3	53.27	55.63	49.82	52.907		EC	07/05/2010	
130	133	3	50.94	52.57	57.83	53.78		EC	07/05/2010	
133	136	3	52.45	55.86	45.39	51.233		EC	07/05/2010	
136	139	3	68.44	36.29	65.18	56.637		EC	07/05/2010	
139	142	3	42.51	13.74	52.51	36.253		EC	07/05/2010	
142	145	3	64.15	54.93	37.57	52.217		EC	07/05/2010	
145	148	3	49.13	57.21	57.96	54.767		EC	07/05/2010	
148	151	3	53.52	58.91	23.65	45.36		EC	07/05/2010	
151	154	3	89.95	61.01	58.78	69.913		EC	07/05/2010	
154	157	3	55.35	44.19	47.59	49.043		EC	07/05/2010	
157	160	3	53.96	52.57	33.65	46.727		EC	07/05/2010	
160	163	3	61.58	64.97	59.84	62.13		EC	07/05/2010	
163	166	3	63.07	61.64	60.38	61.697		EC	07/05/2010	
166	169	3	1.73	1.15	1.56	1.48		EC	07/05/2010	
169	172	3	0.37	0.8	0.63	0.6		EC	08/05/2010	
172	175	3	0.49	0.83	5.12	2.147		EC	08/05/2010	
175	178	3	7.31	1.13	38.04	15.493		EC	08/05/2010	
178	181	3	20.58	9.6	5.43	11.87		EC	08/05/2010	
181	184	3	39.96	3.73	47.2	30.297		EC	08/05/2010	
184	187	3	36.24	23.03	1.43	20.233		EC	08/05/2010	
187	190	3	56.93	53.53	58.46	56.307		EC	08/05/2010	
190	193	3	73.12	52.35	57.51	60.993		EC	08/05/2010	
193	196	3	59.05	56.51	60.44	58.667		EC	08/05/2010	
196	199	3	11.03	55.84	54.02	40.297		EC	08/05/2010	
199	202	3	50.72	53.38	62.56	55.553		EC	08/05/2010	
202	205	3	51.93	56.69	60.74	56.453		EC	08/05/2010	
205	208	3	61.71	64.76	64.27	63.58		EC	08/05/2010	
208	211	3	56.29	58.65	50.12	55.02		EC	08/05/2010	
211	214	3	58.89	52.58	55.37	55.613		EC	08/05/2010	
214	217	3	59.32	67.13	65.24	63.897		EC	08/05/2010	
217	220	3	59.25	57.95	54.88	57.36		EC	08/05/2010	
220	223	3	50.67	33.89	42.88	42.48		EC	08/05/2010	
223	226	3	61.76	49.58	39.37	50.237		EC	08/05/2010	
226	229	3	54.01	56.39	54.22	54.873		EC	09/05/2010	
229	232	3	57.06	53.33	57.37	55.92		EC	09/05/2010	



Data Logger Print Logs ~ Mag Susceptibility

Hole ID: SB10-04

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
232	235	3	43.53	49.46	49.18	47.39		EC	09/05/2010	
235	238	3	42.87	51.61	35.16	43.213		EC	09/05/2010	
238	241	3	55.68	52.98	46.45	51.703		EC	09/05/2010	
241	244	3	51.29	52.74	55.01	53.013		EC	09/05/2010	
244	247	3	39.6	52.78	52.48	48.287		EC	09/05/2010	
247	250	3	49.31	30.15	1.01	26.823		EC	09/05/2010	
250	253	3	1.83	0.65	6.71	3.063		EC	09/05/2010	
253	256	3	11.73	0.91	49.67	20.77		EC	09/05/2010	
256	259	3	35.92	35.43	1.51	24.287		EC	09/05/2010	
259	262	3	7.1	0.6	42.42	16.707		EC	09/05/2010	
262	265	3	51.11	0.41	1.3	17.607		EC	09/05/2010	
265	268	3	1.51	0.03	3.96	1.833		EC	09/05/2010	
268	271	3	0.65	0.71	24.24	8.533		EC	09/05/2010	
271	274	3	2.35	30.29	0.91	11.183		EC	09/05/2010	
274	277	3	39.48	12.21	0.99	17.56		EC	09/05/2010	
277	280	3	21.01	6.63	37.16	21.6		EC	09/05/2010	
280	283	3	34.43	36.88	43.82	38.377		EC	09/05/2010	
283	286	3	23.12	1.09	31.44	18.55		EC	09/05/2010	
286	289	3	40.81	27.5	41.14	36.483		EC	09/05/2010	
289	292	3	30.12	7.91	1.98	13.337		EC	09/05/2010	
292	295	3	0.25	0.44	0.37	0.353		EC	09/05/2010	
295	298	3	0.31	0.17	0.16	0.213		EC	09/05/2010	
298	301	3	0.51	0.51	0.86	0.627		EC	09/05/2010	
301	302.06	1.06	22.41	15.38		18.895		EC	09/05/2010	EOH



Data Logger Print Logs ~ DH Samples

DataSet: **WJ_GF**

Hole ID: **SB10-04**

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
4.57	6	205243	HC	BL	<input type="checkbox"/>	
6	9	205244	HC	BL	<input type="checkbox"/>	
9	12	205245	HC	BL	<input type="checkbox"/>	
12	15	205246	HC	BL	<input checked="" type="checkbox"/>	
15	18	205247	HC	BL	<input checked="" type="checkbox"/>	
18	21	205248	HC	BL	<input type="checkbox"/>	
21	24	205249	HC	BL	<input type="checkbox"/>	
24	27	205251	HC	BL	<input type="checkbox"/>	
27	28.3	205252	HC	BL	<input type="checkbox"/>	
28.3	30	205253	HC	BL	<input type="checkbox"/>	
30	32	205254	HC	BL	<input type="checkbox"/>	
32	35	205255	HC	BL	<input type="checkbox"/>	
35	37	205256	HC	BL	<input type="checkbox"/>	
37	39	205257	HC	BL	<input type="checkbox"/>	
39	41	205258	HC	BL	<input type="checkbox"/>	
41	43	205259	HC	BL	<input checked="" type="checkbox"/>	
43	45	205261	HC	BL	<input type="checkbox"/>	
45	47	205262	HC	BL	<input type="checkbox"/>	
47	49	205263	HC	BL	<input type="checkbox"/>	
49	51	205264	HC	BL	<input type="checkbox"/>	
51	53	205265	HC	BL	<input type="checkbox"/>	
53	55	205266	HC	BL	<input type="checkbox"/>	
55	57	205267	HC	BL	<input checked="" type="checkbox"/>	
57	59	205268	HC	BL	<input type="checkbox"/>	
59	61	205269	HC	BL	<input type="checkbox"/>	
61	63	205271	HC	BL	<input type="checkbox"/>	
63	65	205272	HC	BL	<input type="checkbox"/>	
65	67	205273	HC	BL	<input type="checkbox"/>	
67	69	205274	HC	BL	<input type="checkbox"/>	
69	71	205275	HC	BL	<input type="checkbox"/>	
71	73	205276	HC	BL	<input type="checkbox"/>	
73	75	205277	HC	BL	<input type="checkbox"/>	
75	77	205278	HC	BL	<input type="checkbox"/>	
77	79	205279	HC	BL	<input type="checkbox"/>	
79	81	205281	HC	BL	<input type="checkbox"/>	
81	83	205282	HC	BL	<input type="checkbox"/>	
83	85	205283	HC	BL	<input type="checkbox"/>	



Data Logger Print Logs ~ DH Samples

Hole ID: **SB10-04**

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
85	87	205284	HC	BL	<input type="checkbox"/>	
87	89	205285	HC	BL	<input type="checkbox"/>	
89	91	205286	HC	BL	<input type="checkbox"/>	
91	93	205287	HC	BL	<input type="checkbox"/>	
93	95	205288	HC	BL	<input type="checkbox"/>	
95	97	205289	HC	BL	<input type="checkbox"/>	
97	99	205291	HC	BL	<input type="checkbox"/>	
99	101	205292	HC	BL	<input type="checkbox"/>	
101	103	205293	HC	BL	<input type="checkbox"/>	
103	105	205294	HC	BL	<input type="checkbox"/>	
105	107	205295	HC	BL	<input type="checkbox"/>	
107	108	205296	HC	BL	<input type="checkbox"/>	
108	111	205297	HC	BL	<input type="checkbox"/>	
111	114	205298	HC	BL	<input type="checkbox"/>	
114	117	205299	HC	BL	<input type="checkbox"/>	
117	120	205301	HC	BL	<input type="checkbox"/>	
120	123	205302	HC	BL	<input type="checkbox"/>	
123	126	205303	HC	BL	<input checked="" type="checkbox"/>	
126	129	205304	HC	BL	<input type="checkbox"/>	
129	132	205305	HC	BL	<input type="checkbox"/>	
132	135	205306	HC	BL	<input type="checkbox"/>	
135	138	205307	HC	BL	<input type="checkbox"/>	
138	141	205308	HC	BL	<input type="checkbox"/>	
141	144	205309	HC	BL	<input type="checkbox"/>	
144	147	205311	HC	BL	<input type="checkbox"/>	
147	150	205312	HC	BL	<input type="checkbox"/>	
150	153	205313	HC	BL	<input type="checkbox"/>	
153	156	205314	HC	BL	<input type="checkbox"/>	
156	159	205315	HC	BL	<input type="checkbox"/>	
159	162	205316	HC	BL	<input type="checkbox"/>	
162	165	205317	HC	BL	<input type="checkbox"/>	
165	166	205318	HC	BL	<input checked="" type="checkbox"/>	
166	169	205319	HC	BL	<input type="checkbox"/>	
169	172	205321	HC	BL	<input type="checkbox"/>	
172	175	205322	HC	BL	<input type="checkbox"/>	
175	178	205323	HC	BL	<input checked="" type="checkbox"/>	
178	181	205324	HC	BL	<input type="checkbox"/>	
181	183	205325	HC	BL	<input type="checkbox"/>	
183	186	205326	HC	BL	<input type="checkbox"/>	



Data Logger Print Logs ~ DH Samples

Hole ID: **SB10-04**

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
186	189	205327	HC	BL	<input type="checkbox"/>	
189	192	205328	HC	BL	<input type="checkbox"/>	
192	195	205329	HC	BL	<input type="checkbox"/>	
195	198	205331	HC	BL	<input type="checkbox"/>	
198	201	205332	HC	BL	<input type="checkbox"/>	
201	204	205333	HC	BL	<input type="checkbox"/>	
204	207	205334	HC	BL	<input type="checkbox"/>	
207	210	205335	HC	BL	<input type="checkbox"/>	
210	213	205336	HC	BL	<input type="checkbox"/>	
213	216	205337	HC	BL	<input type="checkbox"/>	
216	219	205338	HC	BL	<input type="checkbox"/>	
219	222	205339	HC	BL	<input type="checkbox"/>	
222	224	205341	HC	BL	<input type="checkbox"/>	
224	227	205342	HC	BL	<input type="checkbox"/>	
227	230	205343	HC	BL	<input checked="" type="checkbox"/>	
230	233	205344	HC	BL	<input type="checkbox"/>	
233	236	205345	HC	BL	<input type="checkbox"/>	
236	239	205346	HC	BL	<input type="checkbox"/>	
239	242	205347	HC	BL	<input type="checkbox"/>	
242	245	205348	HC	BL	<input type="checkbox"/>	
245	248	205349	HC	BL	<input type="checkbox"/>	
248	251	205351	HC	BL	<input type="checkbox"/>	
251	254	205352	HC	BL	<input type="checkbox"/>	
254	256	205353	HC	BL	<input type="checkbox"/>	
256	258	205354	HC	BL	<input type="checkbox"/>	
258	261	205355	HC	BL	<input type="checkbox"/>	
261	264	205356	HC	BL	<input checked="" type="checkbox"/>	
264	266	205357	HC	BL	<input type="checkbox"/>	
266	267.3	205358	HC	BL	<input type="checkbox"/>	
267.3	270	205359	HC	BL	<input type="checkbox"/>	
270	273	205361	HC	BL	<input type="checkbox"/>	
273	276	205362	HC	BL	<input type="checkbox"/>	
276	279	205363	HC	BL	<input type="checkbox"/>	
279	282	205364	HC	BL	<input type="checkbox"/>	
282	285	205365	HC	BL	<input type="checkbox"/>	
285	288	205366	HC	BL	<input type="checkbox"/>	
288	291	205367	HC	BL	<input type="checkbox"/>	
291	294	205368	HC	BL	<input type="checkbox"/>	
294	297	205369	HC	BL	<input type="checkbox"/>	



Data Logger Print Logs ~ DH Samples

Hole ID: **SB10-04**

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
297	300	205371	HC	BL	<input type="checkbox"/>	
300	302.06	205372	HC	BL	<input type="checkbox"/>	EOH



Data Logger Print Logs ~ Collars

DataSet: WJ_GF

Depth (m)	Hole Type	Core Diameter	Grid ID	East	North	Elevation	Survey Method	Survey Date	Survey By	Date Started	Date Completed	Logged By	Prospect	Validated By
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Hole: SB10-05

53.69 m	DD	NQ	UTM10N_NAD83	612616.55	5791188.52	1033	DGPS	06/06/2010	TS	09/05/2010	11/05/2010	ME	Spellbound	
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The hole was lost in a strong argillic fault zone after drilling 53.69m of a volcanic fragmental sandstone.



Data Logger Print Logs ~ DH Surveys

DataSet: WJ_GF

Hole ID: SB10-05

Depth (m)	Survey Method	Grid ID	Dip	Orig Azimuth	EZ Shot Azimuth	Magnetic Declination	Date Surveyed	Survey Instrument	Comments
0	COLL	UTM10N_NAD83	-75	230			09/05/2010	CMP	



DataSet: WJ_GF

Hole ID: SB10-05

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	0	8.16	Overburden	Overburden (OB)	Overburden

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
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Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
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Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
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Structure:	From (m)	To (m)	Type	Intensity	CA Angle
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	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	8.16	34.26	Andesitic Sandstone	Nicola Felsic Volcanic Sandstone (VANSS)	Light grey to beige, massive volc sst. Poss fragments <1cm, or poss due to alt. Mod to local strg ser+-qtz flood of gmass. Wk carb alt of gmass. Common tourm+-ep veins and stringers. Mod late xcutting carb veins. Core is very broken.

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
--------------------	----------	--------	------------	--------------	-----------	------------	--------------	-----------	------------	--------------	-----------	------------	--------------	-----------	----------

8.16	27.25	Phyl	Primary	M	Propy	OvPrnt	W	Propy	OvPrnt	W					Mod to strong ser+-qtz alt of gmass. Min chl alt of gmass. Xcutting tourm+-ep veins and stringers poss frac controlled. Patchy weak carb+-hem? (v. weak hem) alt of gmass and abundant carb veins xcutt all.
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Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
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Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
-----------------	----------	--------	--------	------------	----------	--------	------------	----------	--------	------------	----------	--------	------------	----------	----------

8.16	27.25	Vcarb	±carb	7	Vtur	±ep	4								Mod carb stockwork xcutting earlier tourm+-ep Veins.
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Structure:	From (m)	To (m)	Type	Intensity	CA Angle
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12.19	13.5	RUB	M	55
17.4	17.41	FRAC	W	45
18.9	24.1	RUB	S	30

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	34.26	37.68	Andesitic Conglomerate	Felsic Nicola Fragmental (VANTB)	Unit is as above but with large fragments up to 10cm in size. Frags are highlighted by pinkish wk hem alt gmass. Wk patchy mag, common ep stringers. Mod carb stockwork.



DataSet: WJ_GF

Hole ID: SB10-05

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	27.25	37.68	Phyl	Primary	M	Propy	OvPrnt	W	Mag/Ox	Primary	W				Alteration is as above, with increasing magnetism. Poss increased hem in gmass

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments

Structure:	From (m)	To (m)	Type	Intensity	CA Angle

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	37.68	46.57	Andesitic Sandstone	Nicola Felsic Volcanic Sandstone (VANSS)	Unit is as above fragmental. Increased hematite in fractures and veining. Common dark black stringers to veinlets, poss tourm.

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	37.68	46.57	Phyl	Primary	M	Propy	OvPrnt	W							Alteration is as above, but magnetism drops off considerably. Increased hematite in stringers.

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	8.16	53.59	UnMin	0											Unmineralized interval.

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	27.25	46.57	Vcarb	±carb	7	Vep		3	Vact		1				disappearance in tourmaline veins, but appearance of some epidote veinlets. Some black veinlets and stringers, poss turm. Has radiating needles 1cm long

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	43.65	43.7	FLTG	S	30

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	46.57	53.69	Fault Gouge	Fault	Moderate argillic altered fault, poss sandstone as above, but alt masks unit. Short interval of tourm veinlets and suns from 48.5 to 49.07



DataSet: WJ_GF

Hole ID: SB10-05

Alteration:

From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
46.57	53.69	Argil	OvPrnt	M										Strong argil alt overprints and masks textures and orig rock unit.

Minerals:

From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments

Veining:

From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
46.57	53.69	Vtur	±tur	2										

Structure:

From (m)	To (m)	Type	Intensity	CA Angle
46.57	49.7	RUB	S	40
49.7	53.69	FLTG		



Data Logger Print Logs ~ Geotechnical

DataSet: WJ_GF

Hole ID: SB10-05

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
8.16	9.14	0.98	0.98	100	0.22	22.45		29	29			
9.14	10.97	1.83	1.89	103.28	0.78	42.62		69	69			
10.97	12.19	1.22	1.25	102.46	0.31	25.41		60	60			
12.19	13.11	0.92	0.8	86.96	0.1	10.87		95	95			REAL RECOVERY IS 0.61
13.11	14.02	0.91	0.93	102.2	0	0		69	69			
14.02	16.76	2.74	2.76	100.73	0.97	35.4		53	53			
16.76	17.07	0.31	0.26	83.87	0.11	35.48		4	4			
17.07	18.9	1.83	1.74	95.08	0.71	38.8		64	64			PLUS CLAY
18.9	20.12	1.22	1.03	84.43	0	0		1400	1400			PLUS CLAY
20.12	23.16	3.04	2.63	86.51	0	0		900	900			PLUS CLAY
23.16	24.08	0.92	0.85	92.39	0	0		325	325			PLUS CLAY
24.08	26.21	2.13	2.19	102.82	1.02	47.89		38	38			
26.21	29.26	3.05	2.92	95.74	1.22	40		88	88			
29.26	32	2.74	2.49	90.88	0.73	26.64		78	78			PLUS CLAY
32	33.83	1.83	1.99	108.74	0.49	26.78		45	45			
33.83	36.27	2.44	2.2	90.16	1.18	48.36		45	45			
36.27	38.4	2.13	2.14	100.47	1.23	57.75		18	18			
38.4	41.45	3.05	3.04	99.67	2.18	71.48		53	53			
41.45	44.5	3.05	2.99	98.03	1.76	57.7		78	78			
44.5	47.55	3.05	2.77	90.82	0.78	25.57		168	168			PLUS CLAY
47.55	48.16	0.61	0.59	96.72	0	0		250	250			PLUS CLAY
48.16	49.07	0.91	0.71	78.02	0	0		225	225			PLUS CLAY
49.07	49.68	0.61	0.68	111.48	0	0		750	750			PLUS CLAY 75% OF RUN IS CLAY
49.68	50.6	0.92	0.79	85.87	0	0		1000	1000			SOLID RUN OF CLAY AND HEAVY FRACTURE
50.6	51.82	1.22	1.089	89.26	0	0		1000	1000			Clay and heavy fracture
51.82	52.43	0.61	0.46	75.41	0	0		500	500			Actual recovery .42m
52.43	53.64	1.21	1.02	84.3	0.1	8.26		400	400			EOH



Data Logger Print Logs ~ Mag Susceptibility

DataSet: WJ_GF

Hole ID: SB10-05

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
8.16	11	2.84	0.63	0.66	0.74	0.677				
11	14	3	0.8	0.49	0.38	0.557		EC	10/05/2010	
14	17	3	0.62	1.92	0.8	1.113		EC	10/05/2010	
17	20	3	0.98	0.14	0.15	0.423		EC	10/05/2010	
20	23	3	0.15	2.17	0.15	0.823		EC	10/05/2010	
23	26	3	0.18	0.75	0.68	0.537		EC	10/05/2010	
26	29	3	2.22	25.52	73.68	33.807		EC	11/05/2010	
29	32	3	88.22	69.03	93.65	83.633		EC	11/05/2010	
32	35	3	70.72	58.29	1.07	43.36		EC	11/05/2010	
35	38	3	2.01	7.34	0.37	3.24		EC	11/05/2010	
38	41	3	0.62	0.41	0.27	0.433		EC	11/05/2010	
41	44	3	0.38	0.29	0.37	0.347		EC	11/05/2010	
44	47	3	0.44	0.43	0.2	0.357		EC	11/05/2010	
47	50	3	0.3	0.24	0.65	0.397		EC	11/05/2010	
50	53.64	3.64	0.381	0.026	0.158	0.188		JM	12/05/2010	EOH



Data Logger Print Logs ~ DH Samples

DataSet: WJ_GF

Hole ID: SB10-05

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
8.16	9.14	205373	HC	ME	<input type="checkbox"/>	
9.14	12	205374	HC	ME	<input type="checkbox"/>	
12	15	205375	HC	ME	<input checked="" type="checkbox"/>	
15	18	205376	HC	ME	<input type="checkbox"/>	
18	21	205377	HC	ME	<input type="checkbox"/>	
21	24	205378	HC	ME	<input type="checkbox"/>	
24	26	205379	HC	ME	<input type="checkbox"/>	
26	27.25	205381	HC	ME	<input type="checkbox"/>	
27.25	30	205382	HC	ME	<input type="checkbox"/>	
30	32	205383	HC	ME	<input type="checkbox"/>	
32	34.26	205384	HC	ME	<input type="checkbox"/>	
34.26	36	205385	HC	ME	<input type="checkbox"/>	
36	37.68	205386	HC	ME	<input type="checkbox"/>	
37.68	40	205387	HC	ME	<input type="checkbox"/>	
40	43	205388	HC	ME	<input type="checkbox"/>	
43	45	205389	HC	ME	<input type="checkbox"/>	
45	46.57	205391	HC	ME	<input type="checkbox"/>	
46.57	49	205392	HC	ME	<input type="checkbox"/>	
49	52	205393	HC	ME	<input checked="" type="checkbox"/>	
52	53.69	205394	HC	ME	<input type="checkbox"/>	EOH



Data Logger Print Logs ~ Collars

DataSet: WJ_GF

Depth (m)	Hole Type	Core Diameter	Grid ID	East	North	Elevation	Survey Method	Survey Date	Survey By	Date Started	Date Completed	Logged By	Prospect	Validated By
-----------	-----------	---------------	---------	------	-------	-----------	---------------	-------------	-----------	--------------	----------------	-----------	----------	--------------

Hole: SB10-06

235 m	DD	HQ	UTM10N_NAD83	612617.24	5791187.63	1032	DGPS	06/06/2010	TS	12/05/2010	15/05/2010	ME	Spellbound	TS
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235m of volcanic fragmental. Variable alteration from silicified phyllic to moderate propolytic. Trace Cpy and Py from 134-138m. Magnetic anomaly explained by multiple 10m intervals of moderate disseminated magnetite.



Data Logger Print Logs ~ DH Surveys

DataSet: WJ_GF

Hole ID: SB10-06

Depth (m)	Survey Method	Grid ID	Dip	Orig Azimuth	EZ Shot Azimuth	Magnetic Declination	Date Surveyed	Survey Instrument	Comments
0	COLL	UTM10N_NAD83	-90	360			17/05/2010	CMP	
64.01	EZ Shot	UTM10N_NAD83	-89.4	360	215.7		17/05/2010	EZ	Azimuth not corrected for magnetic declination
128.02	EZ Shot	UTM10N_NAD83	-89.5	360	230.7		15/05/2010	EZ	Azimuth not corrected for magnetic declination
225.55	EZ Shot	UTM10N_NAD83	-89.4	360	128.5		17/05/2010	EZ	Azimuth not corrected for magnetic declination



DataSet: WJ_GF

Hole ID: SB10-06

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	0	11.3	Overburden	Overburden (OB)	Overburden

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments

Structure:	From (m)	To (m)	Type	Intensity	CA Angle

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	11.3	43.89	Andesitic Conglomerate	Felsic Nicola Fragmental (VANTB)	light grey to greenish with frag text. Mod ser+-qtz alt of gmass. Subangular frags. Some patchy hem stain around frags. Patchy wk mag. Mod propyl overprint. Chl alt mafics? Ep veins and clots. Minor tourm veins. Late carb stockwork and flood of gmass.

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	11.3	43.89	Phyl	Primary	M	Propy	OvPrnt	M							

weak to mod ser+-qtz alt of gmass. Later chl alt of mafics? Epidote veining and clots. Some hem stain especially visible around frags. Late carb stockwork and patchy alt of gmass.

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	11.3	43.89	Vcarb	±carb±hem	4	Vep		2	Vtur	±carb±tur	1				

multistage? dark qtz+carb+tourm? Veins with 1cm bleach ser halos, Xcut by Epidote veins. Mod carb stockwork+-hem xcutts all.

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	16.8	16.81	FRAC	W	30
	18.8	19	RUB	M	
	22.3	30.5			25
	36.62	36.68	FLTG		35

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	43.89	45	Andesitic Conglomerate	Hydrothermal (Intrusive) Breccia	Intense carb stockwork brecciating fragmental unit. Strong carb alt of gmass. Poss just alt giving appearance of coarser grained unit.



DataSet: WJ_GF

Hole ID: SB10-06

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	43.89	45	Propy	OvPrnt	S										Strong carbonate with minor chl and hem in groundmass. Intense carb stockwork.

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	43.89	45	Vcarb	±hem	25										Intense carb stockwork

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	43.89	45	BRX	S	10

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	45	51.9	Fault Breccia	Fault	Intensely altered and faulted fragmental unit. Grain size appears to have increased but could be due to alteration. Green-red-grey in colour. Mod ser alt, with patchy carb overprint. Mod patchy hem overprint. Minor chl alt of mafics? Fault Bx and gouge.

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	45	51.9	Propy	OvPrnt	S	Argil	OvPrnt	S							Mod ser alt of gmass. Minor chl alt of mafics, patchy hem stain, patchy carb alt of gmass. Intense late carb veining. Zones of clay gouge.

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	11.3	53	UnMin	0											

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	45	51.9	Vcarb	±hem	10	Vtur		2							minor tourm veinlets and stringers, xcutt by abundant carb stockwork.

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	45.42	45.62	FLTG	VS	
	45.62	48.14	BRX	S	15
	48.46	48.85	FLTG		
	49.3	50.53	RUB	M	30
	51.15	51.8	FLTG	S	

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	51.9	69.64	Andesitic Conglomerate	Felsic Nicola Fragmental (VANTB)	Unit is as above. Patchy ser+-qtz. Wk hem stain to gmass. Minor chl alt to mafics? In gmass. Common tourm veinlets. Patchy carb alt of gmass and mod carb veining xcutting unit.



DataSet: WJ_GF

Hole ID: SB10-06

Alteration:

From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
51.9	69.64	Phyl	Primary	W	Propy	OvPrnt	W							Weak ser+-qtz alt of gmass. Chl alt of mafics, common tourm veinlets. Local ep clots and veins. Weak hem stain to gmass. Patchy carb overprint of gmass and late carb veining.

Minerals:

From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments

Veining:

From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
51.9	69.64	Vcarb	±hem	3	Vtur	±ep±carb	1	Vep	±hem	0.5				Common tourm+-ep+-carb veinlets. Xcutt and parallel later ep stringers and veinlets. Mod to weak carb stockwork xcutts all. Local hem stain to all but tourm veinlets.

Structure:

From (m)	To (m)	Type	Intensity	CA Angle
62.4	62.41	FRAC	W	60
65.2	65.21			25

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	69.64	88.7	Andesitic Conglomerate	Felsic Nicola Fragmental (VANTB)	Dark grey green. Obscured by alt. Wk to mod qtz+-ser flood. Local kspar patches. No Mag. Strg ep vein networks and clots. Local qtz veins, mod carb+-hem veining xcutting all.

Alteration:

From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
69.64	88.7	Phyl	Primary	W	Propy	OvPrnt	M							Wk to mod qtz+-ser flood, local qtz veins. Strong overprinting propyl alt. Strong ep veining and clots, common tourm veins. Weak to mod xcutting carb+hem stringers.

Minerals:

From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments

Veining:

From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
69.64	88.7	Vep	±hem±chl	10	Vcarb	±hem	3	Vtur	±ep	1				Abundant network/stockwork of epidote veins. Local tourm veins with epidote centrelines. Weak xcutting carb stockwork.

Structure:

From (m)	To (m)	Type	Intensity	CA Angle
73.7	73.71	FRAC	W	30
75.5	75.51			45
77.5	77.51			
84.6	84.61			
87.48	88.7	RUB	M	



DataSet: WJ_GF

Hole ID: SB10-06

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	88.7	90.22	Fault Gouge	Fault	Fault gouge and sand. Abundant Feoxid

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	88.7	90.22	Argil	OvPrnt	S										Gouge zone

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	88.7	90.22	FLTG	S	

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	90.22	138.39	Andesitic Conglomerate	Felsic Nicola Fragmental (VANTB)	Mottled medium grey to light beige-pink. Mod to strg qtz+-ser flood of gmass. Patchy hem stain of gmass. Drk intervals have diss mag. Local qtz+rutile veins, local thick tourm+-ep veins. Loc ep veins and minor carb stringers. Competant hard rock.



DataSet: WJ_GF

Hole ID: SB10-06

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	90.22	138.39	Phyl	Primary	S	Propy	OvPrnt	W							Mod to strg qtz+-ser alt of gmass. Local qtz-rutile veins. Wk overprinting propyl alt. loca chl alt in gmass. Some turm+ep veins and ep veins. Minor carb stringer stockwork. Patchy hem stain highlights frags.

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	134	138	Py	0.5	STR	Cpy	0.1	STR							Minor py+-cpy as stringers with chl and ep.

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	134	138	Vcarb	±carb	3	Vep	±chl	2	Vpy	±cpy±chl	1				Local zone with pyrite+chp+-chl+-ep stringers and fracture fill.
	90.22	134				Vtur	±ep		VQtz			Vep			Local tourm+-ep veins, with diffuse bounds. Local centreline qtz+rutile veins and stringers. Local ep veinlets. Late xcutting carb stringer stockwork.

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	94.53	95.8	RUB	M	50
	102.72	102.73	FRAC	W	25
	108.9	108.91			45
	113.1	113.25	RUB	M	
	114.4	114.6			
	119	120.46			
	133.9	134	FLTG	S	10

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	138.39	140.8	Fault Breccia	Fault	Dark green faulted fragmental sandstone? Sections of gouge with hard angular fragments, minor rubble zones.

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	138.39	140.8	Argil	OvPrnt	M	Propy	OvPrnt	M							Faulted propylitically altered fragmental sandstone.

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	138	140.85	Vcarb	±carb	3										

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	138	140.85	Vcarb	±carb	3										

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	138.39	140.4	FLT	M	40



DataSet: WJ_GF

Hole ID: SB10-06

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	140.8	235	Andesitic Conglomerate	Felsic Nicola Fragmental (VANTB)	Dark grey with shorter intervals of lighter bleach grey-pink. Abundant chloritic blebs and clots, <1cm in size, possibly altered grains. Patchy moderate mag. Minor sec bt? Common ep veins and clots. Lighter intervals have local kspar flood and hem.



DataSet: WJ_GF

Hole ID: SB10-06

Alteration:

From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
140.8	163.09	Phyl	Primary	S	Propy	OvPrnt	M							Local wk mag. Mod qtz+-ser flood of gmass. Chl alt of grains in gmass. Common ep clots and ep+-chl veins. Weak carbonate veining and patchy carb alt of gmass.
163.09	205.74	Mag/Ox		M			W							Dark grey interval. Diss and clotty mag, qtz or flds flood. Local kspar patches. Overprinting weak chl after mafics in gmass? Local ep clots and veins. Minor carb veins
205.74	226.6	Phyl					M							Mottled pink grey green. Wk patchy mag, local kspar patches highlight frags. Qtz+-ser flood. Common ep veins and clots, Minor carb stringers. Common hem dusting to gmass.
226.6	235	Mag/Ox					W							

Minerals:

From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
138	235	UnMin	0											

Veining:

From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
225.86	235	Vcarb	±carb	7	Vtur		0.1							
163.09	205.74		±hem	1	Vep	±chl	1							Wk carb stringer xcutt local ep+-chl veins. Rare hem with carb.
205.74	225.86			2			2	Vtur		0.5	VQtz		0.5	Rare qtz veins appear to be earlier than epdiote veins. Carb stringers xcutt all. No other relations visible.
140.85	163.09		±carb	1			1.5	Vcarb	±chl	1		±hem	1	Mod strong phyll halo to qtz veins. No paragenetic relationships visible other than late carb stringers xcutt all.

Structure:

From (m)	To (m)	Type	Intensity	CA Angle
143.75	144.1	RUB	W	
146.54	148.9	FLTBX		20
160.75	160.95	FLTG	M	15
185.11	185.12	FLT	W	30
198.4	198.55	RUB		
205.1	205.74			
210.56	211			
218	218.54			
220.19	220.34			
224.22	224.8			
226.2	226.8	FLTBX		35
229.83	231	RUB	M	



Data Logger Print Logs ~ Geotechnical

DataSet: WJ_GF

Hole ID: SB10-06

From (m)	To (m)	Interval Length	Recov. (m)	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
11.3	11.89	0.59	0.59	100	0.28	47.46		25	25			
11.89	13.41	1.52	1.32	86.84	0.64	42.11		60	60			
13.41	14.94	1.53	1.46	95.42	0.67	43.79		30	30			
14.94	16.46	1.52	1.4	92.11	0.53	34.87		50	50			
16.46	17.98	1.52	1.35	88.82	0.32	21.05		100	100			
17.98	18.9	0.92	0.84	91.3	0.1	10.87		100	100			
18.9	20.42	1.52	1.37	90.13	0.52	34.21		100	100			Clay in fractures
20.42	21.03	0.61	0.59	96.72	0.3	49.18		45	45			
21.03	22.56	1.53	1.5	98.04	0.66	43.14		150	150			
22.56	24.08	1.52	1.38	90.79	0.46	30.26		300	300			Clay in fractures
24.08	25.6	1.52	1.5	98.68	0	0		400	400			Clay in fractures
25.6	27.13	1.53	1.47	96.08	0.11	7.19		300	300			
27.13	28.65	1.52	1.35	88.82	0.13	8.55		1000	1000			
28.65	30.18	1.53	1.37	89.54	0.35	22.88		350	350			
30.18	31.7	1.52	1.49	98.03	0.77	50.66		150	150			
31.7	33.22	1.52	1.49	98.03	0.47	30.92		150	150			
33.22	34.75	1.53	1.62	105.88	1.39	90.85		50	50			
34.75	36.27	1.52	1.39	91.45	1.05	69.08		20	20			
36.27	37.8	1.53	1.3	84.97	0.47	30.72		500	500			.06m clay
37.8	39.32	1.52	1.52	100	0.92	60.53		40	40			
39.32	40.84	1.52	1.47	96.71	0.85	55.92		60	60			
40.84	42.37	1.53	1.4	91.5	0.81	52.94		50	50			
42.37	43.89	1.52	1.53	100.66	1.13	74.34		15	15			
43.89	45.42	1.53	1.45	94.77	1.25	81.7		30	30			
45.42	48.46	3.04	2.47	81.25	0.25	8.22		1000	1000			1000+ fracture count
48.46	51.51	3.05	2.8	91.8	0.45	14.75		1000	1000			1000+ fracture count, .15m clay
51.51	53.93	2.42	2.52	104.13	0.81	33.47		276	276			
53.93	55.47	1.54	1.46	94.81	0.8	51.95		39	39			
55.47	57	1.53	1.42	92.81	0.86	56.21		40	40			57m is end of HQ coring
57	60.05	3.05	2.3	75.41	0.35	11.48		122	122			Actual recovery 1.89.
60.05	61.87	1.82	1.77	97.25	1.01	55.49		53	53			
61.87	64.92	3.05	3.03	99.34	1.45	47.54		70	70			
64.92	67.97	3.05	3.02	99.02	1.41	46.23		51	51			
67.97	69.19	1.22	1.12	91.8	0.84	68.85		12	12			
69.19	72.24	3.05	2.84	93.11	1.53	50.16		61	61			
72.24	75.29	3.05	2.97	97.38	1.09	35.74		51	51			
75.29	77.11	1.82	1.67	91.76	0.21	11.54		71	71			



Data Logger Print Logs ~ Geotechnical

Hole ID: **SB10-06**

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
77.11	78.33	1.22	1.33	109.02	0.31	25.41		33	33			
78.33	79.86	1.53	1.41	92.16	0.13	8.5		48	48			
79.86	81.38	1.52	1.6	105.26	1.27	83.55		15	15			
81.38	84.43	3.05	3.04	99.67	2.1	68.85		22	22			
84.43	86.87	2.44	2.41	98.77	0.66	27.05		79	79			plus clay
86.87	87.48	0.61	0.58	95.08	0	0		20	20			
87.48	89	1.52	1.22	80.26	0	0		190	190			plus clay
89	90.22	1.22	1	81.97	0	0		500	500			real recovery is 0.84
90.22	90.53	0.31	0.28	90.32	0	0		1	1			plus clay
90.53	93.57	3.04	3.05	100.33	1.59	52.3		76	76			plus clay
93.57	95.71	2.14	1.75	81.78	0.21	9.81		227	227			plus clay
95.71	96.62	0.91	0.98	107.69	0.25	27.47		16	16			
96.62	99.67	3.05	3	98.36	2.19	71.8		24	24			
99.67	102.72	3.05	3.03	99.34	1.53	50.16		71	71			
102.72	105.77	3.05	3.03	99.34	2.41	79.02		28	28			
105.77	108.81	3.04	3.05	100.33	2.35	77.3		37	37			
108.81	111.86	3.05	3.04	99.67	1.77	58.03		55	55			
111.86	114.6	2.74	2.71	98.91	1.35	49.27		96	96			
114.6	114.91	0.31	0.31	100	0	0		19	19			
114.91	117.96	3.05	2.94	96.39	1.94	63.61		38	38			
117.96	121.01	3.05	2.47	80.98	0.75	24.59		174	174			plus clay
121.01	124.05	3.04	3.01	99.01	1.34	44.08		96	96			
124.05	126.8	2.75	2.82	102.55	0.71	25.82		88	88			plus clay
126.8	129.24	2.44	1.84	75.41	0.45	18.44		49	49			
129.24	131.98	2.74	3.07	112.04	1.34	48.91		45	45			
131.98	133.2	1.22	1.13	92.62	0.69	56.56		27	27			
133.2	136.25	3.05	2.95	96.72	0.47	15.41		99	99			
136.25	137.46	1.21	0.99	81.82	0.4	33.06		33	33			
137.46	139.27	1.81	1.76	97.24	0.25	13.81		350	350			plus clay
139.27	140.51	1.24	1.17	94.35	0	0		300	300			plus clay
140.51	142.04	1.53	1.29	84.31	0.23	15.03		82	82			
142.04	145.08	3.04	3.03	99.67	1.19	39.14		79	79			
145.08	148.13	3.05	3.06	100.33	1.74	57.05		60	60			
148.13	151.18	3.05	2.83	92.79	1.11	36.39		122	122			plus clay
151.18	154.23	3.05	3.05	100	2.06	67.54		27	27			
154.23	154.84	0.61	0.58	95.08	0.25	40.98		13	13			
154.84	157.58	2.74	2.68	97.81	0.91	33.21		47	47			
157.58	160.63	3.05	2.99	98.03	1.84	60.33		26	26			
160.63	163.68	3.05	3.03	99.34	1.43	46.89		36	36			



Data Logger Print Logs ~ Geotechnical

Hole ID: **SB10-06**

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
163.68	166.73	3.05	3.04	99.67	1.51	49.51		44	44			
166.73	169.77	3.04	2.95	97.04	1.53	50.33		44	44			
169.77	172.82	3.05	2.99	98.03	2.25	73.77		29	29			
172.82	175.87	3.05	2.96	97.05	0.61	20		76	76			
175.87	178.92	3.05	3.04	99.67	2.03	66.56		30	30			
178.92	181.97	3.05	3.14	102.95	2.26	74.1		25	25			
181.97	185.01	3.04	2.93	96.38	2.39	78.62		19	19			
185.01	188.06	3.05	3.02	99.02	1.11	36.39		51	51			
188.06	191.11	3.05	3.01	98.69	1.84	60.33		41	41			
191.11	193.24	2.13	2.04	95.77	0.58	27.23		57	57			
193.24	194.16	0.92	0.95	103.26	0.12	13.04		39	39			
194.16	195.07	0.91	0.74	81.32	0.21	23.08		10	10			
195.07	197.21	2.14	2.28	106.54	1.48	69.16		31	31			
197.21	199.03	1.82	1.95	107.14	0.68	37.36		46	46			
199.03	200.25	1.22	0.99	81.15	0.51	41.8		12	12			
200.25	203.3	3.05	3.08	100.98	2.01	65.9		26	26			
203.3	205.74	2.44	2.29	93.85	1.18	48.36		41	41			
205.74	206.35	0.61	0.57	93.44	0.24	39.34		14	14			
206.35	209.4	3.05	3.01	98.69	2	65.57		23	23			
209.4	211.84	2.44	2.31	94.67	1.28	52.46		44	44			
211.84	212.45	0.61	0.65	106.56	0.27	44.26		12	12			
212.45	215.49	3.04	3.01	99.01	1.91	62.83		33	33			
215.49	218.54	3.05	2.86	93.77	0.91	29.84		59	59			
218.54	220.37	1.83	1.85	101.09	0.78	42.62		44	44			
220.37	221.59	1.22	1.04	85.25	0.41	33.61		15	15			
221.59	224.33	2.74	2.86	104.38	1.35	49.27		59	59			
224.33	224.64	0.31	0.31	100	0	0		16	16			
224.64	225.86	1.22	1	81.97	0.21	17.21		36	36			real recovery is 0.79
225.86	226.77	0.91	1.09	119.78	0	0		68	68			
226.77	227.69	0.92	0.79	85.87	0.15	16.3		24	24			
227.69	230.12	2.43	2.24	92.18	0.14	5.76		158	158			
230.12	231.95	1.83	1.63	89.07	0.23	12.57		108	108			
231.95	235	3.05	2.86	93.77	0.76	24.92		64	64			EOH



Data Logger Print Logs ~ Mag Susceptibility

DataSet: WJ_GF

Hole ID: SB10-06

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
11.3	14	2.7	1.49	1.15	1.72	1.453		JM	13/05/2010	
14	17	3	0.97	0.49	1.37	0.943		JM	13/05/2010	
17	20	3	1.124	30.46	87.5	39.695		JM	13/05/2010	
20	23	3	133.3	1.036	0.386	44.907		JM	13/05/2010	
23	26	3	0.27	0.29	0.28	0.28		JM	13/05/2010	
26	29	3	0.4			0.4		JM	13/05/2010	
29	32	3	3.87	21.71	0.408	8.663		JM	13/05/2010	
32	35	3	0.331	0.478	0.369	0.393		JM	13/05/2010	
35	38	3	0.514	0.201	0.449	0.388		JM	13/05/2010	
38	41	3	69.88	67.14	46.01	61.01		JM	13/05/2010	
41	44	3	0.363	0.442	13.41	4.738		JM	13/05/2010	
44	47	3	0.507	0.146	0.182	0.278		JM	13/05/2010	
47	50	3	0.398	0.208	0.353	0.32		JM	13/05/2010	
50	53	3	0.258	0.156	0.465	0.293		JM	13/05/2010	
53	56	3	0.493	0.404	0.617	0.505		EC	14/05/2010	
56	59	3	0.602	0.633	0.722	0.652		EC	14/05/2010	
59	62	3	0.346	0.669	0.423	0.479		EC	14/05/2010	
62	65	3	0.454	0.707	0.659	0.607		EC	14/05/2010	
65	68	3	0.874	1.09	0.737	0.9		EC	14/05/2010	
68	71	3	0.121	0.82	0.558	0.5		EC	14/05/2010	
71	74	3	0.327	0.646	0.551	0.508		EC	14/05/2010	
74	77	3	0.38	0.47	1.4	0.75		EC	14/05/2010	
77	80	3	0.49	0.5	1.8	0.93		EC	14/05/2010	
80	83	3	0.98	0.58	0.47	0.677		EC	14/05/2010	
83	86	3	1.16	0.67	5.01	2.28		EC	14/05/2010	
86	89	3	3.56	4.8	0.57	2.977		EC	14/05/2010	
89	92	3	0.14	0.42	0.3	0.287		EC	14/05/2010	
92	95	3	0.15	0.02	0.24	0.137		EC	14/05/2010	
95	98	3	0.16	0.16	0.26	0.193		EC	14/05/2010	
98	101	3	0.17	0.3	5.39	1.953		EC	14/05/2010	
101	104	3	0.54	2.54	2.08	1.72		EC	14/05/2010	
104	107	3	74.34	62.88	1.12	46.113		EC	14/05/2010	
107	110	3	2.59	70.67	1.4	24.887		EC	14/05/2010	
110	113	3	0.44	0.39	0.26	0.363		EC	14/05/2010	
113	116	3	0.15	0.27	0.52	0.313		EC	14/05/2010	
116	119	3	0.82	0.27	0.06	0.383		EC	15/05/2010	
119	122	3	0.17	0.5	0.43	0.367		EC	15/05/2010	



Data Logger Print Logs ~ Mag Susceptibility

Hole ID: **SB10-06**

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
122	125	3	0.41	0.3	0.36	0.357		EC	15/05/2010	
125	128	3	0.32	0.44	0.26	0.34		EC	15/05/2010	
128	131	3	0.33	0.31	1.36	0.667		EC	15/05/2010	
131	134	3	0.95	1.15	1.35	1.15		EC	15/05/2010	
134	137	3	2.1	7.6	6.7	5.467		EC	15/05/2010	
137	140	3	57.1	2.56	0.69	20.117		EC	15/05/2010	
140	143	3	0.42	1.2	13.5	5.04		EC	15/05/2010	
143	146	3	0.93	0.23	0.4	0.52		EC	15/05/2010	
146	149	3	0.06	0.68	0.18	0.307		EC	15/05/2010	
149	152	3	0.13	0.22	0.4	0.25		EC	15/05/2010	
152	155	3	0.42	0.41	0.27	0.367		EC	15/05/2010	
155	158	3	0.5	0.66	0.62	0.593		EC	15/05/2010	
158	161	3	0.41	0.49	0.74	0.547		EC	15/05/2010	
161	164	3	0.87	0.64	109.8	37.103		EC	15/05/2010	
164	167	3	236.4	168.5	99.66	168.187		EC	15/05/2010	
167	170	3	68.81	3.07	27.64	33.173		EC	15/05/2010	
170	173	3	73.06	49.78	29.52	50.787		EC	15/05/2010	
173	176	3	1.16	0.44	0.43	0.677		EC	15/05/2010	
176	179	3	1.77	0.85	29.23	10.617		EC	15/05/2010	
179	182	3	72.52	95.23	3.46	57.07		EC	15/05/2010	
182	185	3	0.93	0.46	4.35	1.913		EC	15/05/2010	
185	188	3	1.97	130.4	99.48	77.283		EC	15/05/2010	
188	191	3	80.64	123.6	15.53	73.257		EC	15/05/2010	
191	194	3	14.74	30.86	1.06	15.553		EC	15/05/2010	
194	197	3	12.59	8.78	8.31	9.893		EC	15/05/2010	
197	200	3	40.78	150.2	40.26	77.08		EC	15/05/2010	
200	203	3	13.98	125.7	3.63	47.77		EC	15/05/2010	
203	206	3	64.32	52.33	19.94	45.53		EC	15/05/2010	
206	209	3	1.32	0.68	0.45	0.817		EC	15/05/2010	
209	212	3	1.88	67.46	45.97	38.437		EC	15/05/2010	
212	215	3	122.4	1.83	0.92	41.717		EC	15/05/2010	
215	218	3	1.67	0.78	1.19	1.213		EC	15/05/2010	
218	221	3	0.76	0.8	0.77	0.777		EC	15/05/2010	
221	224	3	0.84	1.49	0.78	1.037		EC	15/05/2010	
224	227	3	1.16	1.19	0.69	1.013		EC	15/05/2010	
227	230	3	19.33	1.32	1.48	7.377		EC	15/05/2010	
230	233	3	0.9	12.61	127.8	47.103		EC	15/05/2010	
233	235	2	147.9	131.3	143.5	140.9		EC	15/05/2010	EOH



Data Logger Print Logs ~ DH Samples

DataSet: WJ_GF

Hole ID: SB10-06

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
11.3	14	205395	HC	ME	<input type="checkbox"/>	
14	17	205396	HC	ME	<input type="checkbox"/>	
17	20	205397	HC	ME	<input type="checkbox"/>	
20	23	205398	HC	ME	<input type="checkbox"/>	
23	26	205399	HC	ME	<input type="checkbox"/>	
26	29	205401	HC	ME	<input type="checkbox"/>	
29	32	205402	HC	ME	<input type="checkbox"/>	
32	35	205403	HC	ME	<input type="checkbox"/>	
35	38	205404	HC	ME	<input type="checkbox"/>	
38	41	205405	HC	ME	<input type="checkbox"/>	
41	43.89	205406	HC	ME	<input type="checkbox"/>	
43.89	45	205407	HC	ME	<input type="checkbox"/>	
45	48	205408	HC	ME	<input type="checkbox"/>	
48	51	205409	HC	ME	<input type="checkbox"/>	
51	52	205411	HC	ME	<input type="checkbox"/>	
52	55	205412	HC	ME	<input type="checkbox"/>	
55	57	205413	HC	ME	<input checked="" type="checkbox"/>	
57	59	205414	HC	ME	<input type="checkbox"/>	
59	61	205415	HC	ME	<input type="checkbox"/>	
61	64	205416	HC	ME	<input type="checkbox"/>	
64	67	205417	HC	ME	<input type="checkbox"/>	
67	69.64	205418	HC	ME	<input type="checkbox"/>	
69.64	71	205419	HC	ME	<input type="checkbox"/>	
71	74	205421	HC	ME	<input type="checkbox"/>	
74	77	205422	HC	ME	<input type="checkbox"/>	
77	80	205423	HC	ME	<input type="checkbox"/>	
80	83	205424	HC	ME	<input checked="" type="checkbox"/>	
83	86	205425	HC	ME	<input type="checkbox"/>	
86	88.7	205426	HC	ME	<input type="checkbox"/>	
88.7	91	205427	HC	ME	<input type="checkbox"/>	
91	94	205428	HC	ME	<input type="checkbox"/>	
94	97	205429	HC	ME	<input type="checkbox"/>	
97	100	205431	HC	ME	<input type="checkbox"/>	
100	103	205432	HC	ME	<input type="checkbox"/>	
103	106	205433	HC	ME	<input checked="" type="checkbox"/>	
106	109	205434	HC	ME	<input type="checkbox"/>	
109	112	205435	HC	ME	<input type="checkbox"/>	



Data Logger Print Logs ~ DH Samples

Hole ID: **SB10-06**

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
112	115	205436	HC	ME	<input type="checkbox"/>	
115	118	205437	HC	ME	<input type="checkbox"/>	
118	121	205438	HC	ME	<input type="checkbox"/>	
121	124	205439	HC	ME	<input type="checkbox"/>	
124	127	205441	HC	ME	<input type="checkbox"/>	
127	130	205442	HC	ME	<input type="checkbox"/>	
130	132	205443	HC	ME	<input type="checkbox"/>	
132	134	205444	HC	ME	<input type="checkbox"/>	
134	136	205445	HC	ME	<input type="checkbox"/>	
136	138	205446	HC	ME	<input type="checkbox"/>	
138	141	205447	HC	ME	<input type="checkbox"/>	
141	144	205448	HC	ME	<input type="checkbox"/>	
144	147	205449	HC	ME	<input type="checkbox"/>	
147	150	205451	HC	ME	<input type="checkbox"/>	
150	153	205452	HC	ME	<input type="checkbox"/>	
153	156	205453	HC	ME	<input type="checkbox"/>	
156	159	205454	HC	ME	<input type="checkbox"/>	
159	162	205455	HC	ME	<input type="checkbox"/>	
162	163.09	205456	HC	ME	<input type="checkbox"/>	
163.09	166	205457	HC	ME	<input type="checkbox"/>	
166	169	205458	HC	ME	<input type="checkbox"/>	
169	172	205459	HC	ME	<input type="checkbox"/>	
172	175	205461	HC	ME	<input type="checkbox"/>	
175	178	205462	HC	ME	<input type="checkbox"/>	
178	181	205463	HC	ME	<input type="checkbox"/>	
181	184	205464	HC	ME	<input type="checkbox"/>	
184	187	205465	HC	ME	<input type="checkbox"/>	
187	190	205466	HC	ME	<input type="checkbox"/>	
190	193	205467	HC	ME	<input type="checkbox"/>	
193	196	205468	HC	ME	<input type="checkbox"/>	
196	199	205469	HC	ME	<input checked="" type="checkbox"/>	
199	202	205471	HC	ME	<input type="checkbox"/>	
202	204	205472	HC	ME	<input type="checkbox"/>	
204	205.74	205473	HC	ME	<input type="checkbox"/>	
205.74	208	205474	HC	ME	<input type="checkbox"/>	
208	211	205475	HC	ME	<input type="checkbox"/>	
211	214	205476	HC	ME	<input type="checkbox"/>	
214	217	205477	HC	ME	<input type="checkbox"/>	
217	220	205478	HC	ME	<input type="checkbox"/>	



Data Logger Print Logs ~ DH Samples

Hole ID: **SB10-06**

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
220	223	205479	HC	ME	<input type="checkbox"/>	
223	226	205481	HC	ME	<input type="checkbox"/>	
226	229	205482	HC	ME	<input type="checkbox"/>	
229	232	205483	HC	ME	<input type="checkbox"/>	
232	235	205484	HC	ME	<input type="checkbox"/>	EOH



Data Logger Print Logs ~ Collars

DataSet: WJ_GF

Depth (m)	Hole Type	Core Diameter	Grid ID	East	North	Elevation	Survey Method	Survey Date	Survey By	Date Started	Date Completed	Logged By	Prospect	Validated By
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Hole: SB10-07

237.44 m	DD	NQ	UTM10N_NAD83	612922.74	5790893.04	1056	DGPS	06/06/2010	TS	15/05/2010	18/05/2010	TS	Spellbound	TS
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Hole was drilled to test a Cu/Mo soil geochemical anomaly. Anomaly can be explained by the weak disseminated Cpy throughout the Takomkane quartz monzonite.



Data Logger Print Logs ~ DH Surveys

DataSet: WJ_GF

Hole ID: SB10-07

Depth (m)	Survey Method	Grid ID	Dip	Orig Azimuth	EZ Shot Azimuth	Magnetic Declination	Date Surveyed	Survey Instrument	Comments
0	COLL	UTM10N_NAD83	-90	360			18/05/2010	CMP	
18.29	EZ Shot	UTM10N_NAD83	-88.5	360	301.6		18/05/2010	EZ	Azimuth not corrected for magnetic declination.
106.68	EZ Shot	UTM10N_NAD83	-88.3	360	314.7		18/05/2010	EZ	Azimuth not corrected for magnetic declination
228.6	EZ Shot	UTM10N_NAD83	-88.1	360	321.8		18/05/2010	EZ	Azimuth not corrected for magnetic declination



DataSet: WJ_GF

Hole ID: SB10-07

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	0	10.14	Overburden	Overburden (OB)	

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	0	10.14	NR	Primary	None										Overburden

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments

Structure:	From (m)	To (m)	Type	Intensity	CA Angle

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	10.14	100	Medium Grained Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	Alternating zones of patchy weak to moderate magnetite and zones of no magnetite but increased chlorite. Pretty consistent throughout. From about 202m alteration tents to become more bleached; textures become more obliterated. 147m-EOH rare xneoliths



DataSet: WJ_GF

Hole ID: SB10-07

Alteration:

From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
10.14	23.31	Pot_Ksp	Primary	W	Phyl	OvPrnt	M	Propy	OvPrnt	W				Potassic alteration of matrix and occasionally along vein selvages. Magnetite and chlorite partially replacing mafics. Rare biotite with chlorite and magnetite/cpy that replaces mafics. No magnetite.
23.31	35.5							Propy						same as above at 10.14-23.31m.
35.5	45.53							Phyl	Propy	OvPrnt	W			same as 21.31-35.5m; very weak K-spar with some local increases.
45.53	49.38							Propy						Ep mainly as veins and along fracture planes
49.38	50.12							Phyl	Propy	OvPrnt	W			
50.12	51.57							Propy						
51.57	64.04							Phyl	Propy	OvPrnt	W			section from 58.45-58.7m where there is no magnetite; similar to 23.31-35.5
64.04	75.65			OvPrnt				Propy						some patchy sections of weak clay
75.65	76.22			Primary				Phyl	Propy	OvPrnt	W			
76.22	77.67							Propy						
77.67	82.86							Phyl	Propy	OvPrnt	W			some section throughout with no magnetite
82.86	85.16							Propy						
85.16	88.79							Phyl	Propy	OvPrnt	W			some local increase to strong in and surrounding a series of aphanitic dykes/veins?
88.79	102.21							Propy						

Minerals:

From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
10.14	19	Cpy	0.1	DIS	Mag	2	REPL							
19	23.31	Mag	2	REPL										
23.31	35.5	UnMin	0											
35.5	45.53	Cpy	0.1	DIS	Mag	2	REPL							
45.53	49.38	UnMin	0											
49.38	50.12	Cpy	0.01	DIS	Mag	2	REPL							
50.12	51.57	UnMin	0											
51.57	64.04	Cpy	0.01	DIS	Mag	2	REPL							
64.04	75.65	UnMin	0											
75.65	76.22	Cpy	0.01	DIS	Mag	2	REPL							
76.22	77.76	UnMin	0											
77.76	82.86	Cpy	0.01	DIS	Mag	2	REPL							
82.86	85.16	UnMin	0											
85.16	88.79	Cpy	0.01	DIS	Mag	2	REPL							
88.79	102.21	UnMin	0											

Veining:

From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
35.5	45.53	VQtz	±cpy	0.5										
45.53	51.57		±carb	0.1	Vep		±qtz	1						



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10.14	23.31		±cpy	0.5			
69.19	71.47		±carb±hem	20			
66.3	69.19		±carb	0.5			
51.57	66.3			0.1			
86.2	86.55	Voth	±qtz	100			
97.5	140.64	VQtz	±carb	0.1			
86.55	88.79		±qtz				
88.79	97.5		±carb		Vep	±qtz	5
71.47	75.65		±qtz				
23.31	35.5		±carb		Vep	±qtz	1
75.65	86.2						

one vein sub parallel to core axis

not sure what kind of vein/dyke this is. It is an amorphous pink vein that occurs periodically. Postassically altered??
 140.0-140.40 large carbonate quartz vein +hematite and chlorite. 3cm wide and 20 tca. Increased chlorite in this section. 132.43-133.5m Vein/dyke of amorphous lithology (? Not known) ; at 30tca.

Structure:

From (m)	To (m)	Type	Intensity	CA Angle
18	18.6	RUB	W	
19.45	23		M	
71.16	71.43	FLTG		

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	100	200	Medium Grained Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	Alternating zones of patchy weak to moderate magnetite and zones of no magnetite but increased chlorite. Pretty consistient throughout. From about 202m alteration tents to become more bleached; textures become more obliterated. 147m-EOH rare xneoliths



DataSet: WJ_GF

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Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	102.21	114.24	Pot_Ksp	Primary	W	Phyl	OvPrnt	M	Propy	OvPrnt	W				very weak ep
	114.24	115.67				Propy									
	115.67	130				Phyl			Propy	OvPrnt	W				
	130	132.46				Propy									some local increases in postassic alteration.
	132.46	134.43			S	Phyl									possible a dyke of potassically altered unit? Unit very aphanitic...not sure of lithology.
	134.43	140.64			W	Propy									local increase in Chlorite from 140.0-140.40m (strong/pervasive)
	140.64	143.72				Phyl			Propy	OvPrnt	W				
	143.72	146.28				Propy									Ep as veins as well.
	146.28	152.98				Phyl			Propy	OvPrnt	W				
	152.98	155.86				Propy									some sections with an increase in bleaching.
	155.86	174.35				Phyl			Propy	OvPrnt	W				section from 167.61-168.80m with no magnetite and increased chlorite (very weak postassic; moderate propolytic). Vein/dyke of strongly postassically altered amorphous unit from 164.44-164.94
	174.35	176.67				Propy									very weak epidote; increased potassic to strong around some vein selvages.
	176.67	191.33				Phyl			Propy	OvPrnt	W				some section (180.21-181.01m and 185.05- 186.12m) that have no magnetite and have an increase in chlorite (very weak potassic/moderate propolytic)
	191.33	198.9													some section strongly bleached; tectures mostly obliterated
	198.9	201.73													some sections (199.73-200.54m) have no magnetite and an increase in chlorite

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	102.21	104.24	Cpy	0.5	DIS	Mag	2	REPL							
	104.24	115.67	UnMin	0											
	115.67	130	Cpy	0.1	DIS	Mag	2	REPL							
	130	140.64	UnMin	0											
	140.64	143.72	Cpy	0.1	DIS	Mag	2	REPL							
	143.72	146.28	UnMin	0											
	146.28	152.98	Cpy	0.5	DIS	Mag	2	REPL							
	152.98	155.86	UnMin	0											
	155.86	174.35	Cpy	0.75	DIS	Mag	2	REPL							increase if qtz +/- cpy veining; cpy also along fracture planes
	174.35	176.67	UnMin	0											
	176.67	191.33	Cpy	0.25	DIS	Mag	2	REPL							
	191.33	198.9	UnMin	0											



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198.9 201.73 Cpy 0.01 DIS

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	140.64	143.72	VQtz	±qtz	0.01										
	152.98	174.35		±cpy	0.5										from 164.44-165.94m strong potassically altered amorphous vein/dyke (lithology unknown); 50 tca; occasional qtz/cpy veinlets.
	198.9	201.73		±qtz		Vchl	±ep	0.5							most of ep veins in section with no magnetite and increased chlorite
	174.35	176.67		±carb	0.1			0.01							increased potassic alteration around some veins
	191.33	198.9			0.5	Vep	±chl±qtz	0.1							
	143.72	146.28		±carb±ep	0.1			0.01							
	176.67	191.33		±cpy±carb	1		±qtz±chl	0.5							ep veins mainly in sections with no magnetite and increased chlorite
	146.28	152.98		±qtz	0.01										

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	168	169.16	RUB	W	

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	200	237.44	Medium Grained Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	Alternating zones of patchy weak to moderate magnetite and zones of no magnetite but increased chlorite. Pretty consistent throughout. From about 202m alteration tents to become more bleached; textures become more obliterated. 147m-EOH rare xneoliths



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Alteration:

From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
201.73	209.2	Pot_Ksp	Primary	W	Phyl	OvPrnt	M	Propy	OvPrnt	W				some zones of increased bleaching
209.2	210.86													some section of increased bleaching
210.86	233.37									M				some local increases in chlorite as well as in bleaching. 229.04-229.95m section with increased magnetite and decreased chlorite. From 224-233.37m moderate potassic alteration surrounding veins.
233.37	235.98						W							some localized increases in alteration; including some localized clay at 232.36-232.65m.
235.98	237.44													

Minerals:

From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
201.73	209.2	UnMin	0											
209.2	210.86	Cpy	0.25	DIS	Mag	2	REPL							
210.86	233.37	UnMin	0											
233.37	235.98	Cpy	0.01	DIS	Mag	2	REPL							
235.98	237.44	UnMin	0											

Veining:

From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
210.86	233.37	VQtz	±carb	0.5	Vchl	±ep	2							some increased potassic alteration around vein selvages
235.98	237.44			1			0.5							
201.73	209.2			0.1										
209.2	210.86						0.1							
233.37	235.98													

Structure:

From (m)	To (m)	Type	Intensity	CA Angle
223.5	223.54	FLTG	S	
233.35	234.6	RUB	W	



Data Logger Print Logs ~ Geotechnical

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From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
10.14	12.19	2.05	2.05	100	0.54	26.34		94	94			HQ core
12.19	14.33	2.14	1.86	86.92	0.59	27.57		63	63			
14.33	15.85	1.52	1.38	90.79	0.54	35.53		65	65			plus clay sand mix
15.85	17.37	1.52	1.49	98.03	0.17	11.18		74	74			
17.37	18.59	1.22	1.04	85.25	0.29	23.77		111	111			
18.59	19.81	1.22	1.17	95.9	0.32	26.23		89	89			
19.81	20.42	0.61	0.61	100	0	0		96	96			
20.42	21.34	0.92	0.76	82.61	0.26	28.26		86	86			plus clay sand mix
21.34	22.25	0.91	0.76	83.52	0.1	10.99		57	57			
22.25	22.86	0.61	0.58	95.08	0	0		39	39			
22.86	23.47	0.61	0.71	116.39	0.26	42.62		58	58			
23.47	26.52	3.05	3.05	100	1.17	38.36		60	60			
26.52	28.04	1.52	1.38	90.79	0.12	7.89		31	31			
28.04	30.78	2.74	2.75	100.36	1.47	53.65		46	46			
30.78	32	1.22	1.12	91.8	0.7	57.38		15	15			
32	32.61	0.61	0.67	109.84	0.33	54.1		8	8			
32.61	34.44	1.83	1.63	89.07	0.54	29.51		40	40			
34.44	35.66	1.22	1.3	106.56	0.57	46.72		22	22			
35.66	38.71	3.05	3.04	99.67	1.26	41.31		51	51			
38.71	41.76	3.05	2.94	96.39	1.29	42.3		59	59			
41.76	44.81	3.05	2.99	98.03	0.95	31.15		64	64			
44.81	47.85	3.04	3.07	100.99	1.96	64.47		30	30			
47.85	50.6	2.75	2.64	96	0.82	29.82		53	53			
50.6	52.73	2.13	1.99	93.43	0.79	37.09		46	46			
52.73	53.95	1.22	1.27	104.1	0.77	63.11		10	10			
53.95	55.17	1.22	1.14	93.44	0.6	49.18		16	16			
55.17	57	1.83	1.74	95.08	0.44	24.04		57	57			
57	60.05	3.05	3.01	98.69	1.39	45.57		42	42			
60.05	63.09	3.04	3.03	99.67	1.64	53.95		46	46			
63.09	65.84	2.75	2.69	97.82	1.06	38.55		49	49			
65.84	66.14	0.3	0.31	103.33	0.14	46.67		9	9			
66.14	69.19	3.05	3.03	99.34	1.07	35.08		48	48			
69.19	72.24	3.05	3	98.36	1.21	39.67		70	70			
72.24	75.29	3.05	2.5	81.97	0.46	15.08		43	43			real recovery is 1.58 due to a mis latch
75.29	78.33	3.04	3.06	100.66	1.76	57.89		38	38			
78.33	81.38	3.05	3.09	101.31	2.24	73.44		22	22			
81.38	84.12	2.74	2.72	99.27	1.64	59.85		26	26			



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From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
84.12	87.17	3.05	2.94	96.39	2.02	66.23		46	46			
87.17	90.22	3.05	2.97	97.38	1.01	33.11		59	59			
90.22	92.35	2.13	2.07	97.18	0.84	39.44		27	27			
92.35	93.57	1.22	1.24	101.64	0.7	57.38		12	12			
93.57	96.62	3.05	3	98.36	2.12	69.51		34	34			
96.62	99.67	3.05	2.84	93.11	1.42	46.56		42	42			
99.67	102.72	3.05	3.06	100.33	2.21	72.46		25	25			
102.72	103.94	1.22	1.11	90.98	0.83	68.03		16	16			
103.94	105.77	1.83	1.97	107.65	1.58	86.34		17	17			
105.77	108.81	3.04	2.58	84.87	1.73	56.91		21	21			
108.81	111.86	3.05	3.04	99.67	1.61	52.79		31	31			
111.86	114.91	3.05	3.06	100.33	1.44	47.21		29	29			
114.91	116.74	1.83	2.24	122.4	1.34	73.22		31	31			
116.74	117.96	1.22	1	81.97	0.26	21.31		23	23			real recovery is 0.81
117.96	121.01	3.05	3.06	100.33	2.14	70.16		21	21			
121.01	123.44	2.43	2.22	91.36	1.42	58.44		41	41			
123.44	124.05	0.61	0.69	113.11	0.52	85.25		5	5			
124.05	127.1	3.05	3.01	98.69	2.1	68.85		22	22			
127.1	128.93	1.83	1.75	95.63	0.84	45.9		23	23			
128.93	130.15	1.22	1.35	110.66	1.16	95.08		8	8			
130.15	133.2	3.05	3.06	100.33	2.47	80.98		19	19			
133.2	136.25	3.05	3.03	99.34	2.9	95.08		13	13			
136.25	139.29	3.04	2.85	93.75	2.05	67.43		22	22			
139.29	142.34	3.05	2.95	96.72	1.11	36.39		140	140			
142.34	145.39	3.05	3.05	100	1.69	55.41		50	50			
145.39	148.44	3.05	3.04	99.67	2.25	73.77		22	22			
148.44	151.49	3.05	3.03	99.34	2.55	83.61		14	14			
151.49	154.53	3.04	3.04	100	2.55	83.88		20	20			
154.53	157.58	3.05	2.95	96.72	1.82	59.67		40	40			
157.58	160.63	3.05	3.05	100	2.66	87.21		20	20			
160.63	163.07	2.44	2.41	98.77	1.46	59.84		25	25			
163.07	166.12	3.05	3.03	99.34	2.48	81.31		24	24			
166.12	166.73	0.61	0.62	101.64	0.52	85.25		4	4			
166.73	169.16	2.43	2.32	95.47	1.02	41.98		65	65			
169.16	170.99	1.83	1.8	98.36	0.66	36.07		50	50			
170.99	172.82	1.83	1.69	92.35	1.19	65.03		18	18			
172.82	175.87	3.05	3.05	100	2.48	81.31		24	24			
175.87	178.92	3.05	2.98	97.7	1.68	55.08		33	33			
178.92	180.14	1.22	1.2	98.36	0.97	79.51		7	7			



Data Logger Print Logs ~ Geotechnical

Hole ID: **SB10-07**

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
180.14	181.97	1.83	1.8	98.36	1.03	56.28		16	16			
181.97	184.4	2.43	2.36	97.12	2.16	88.89		11	11			
184.4	185.01	0.61	0.67	109.84	0.51	83.61		6	6			
185.01	188.06	3.05	3	98.36	2.19	71.8		28	28			
188.06	189.28	1.22	1.15	94.26	0.72	59.02		14	14			
189.28	190.2	0.92	0.93	101.09	0.71	77.17		7	7			
190.2	191.11	0.91	0.91	100	0.58	63.74		9	9			
191.11	194.16	3.05	3.03	99.34	2.55	83.61		19	19			
194.16	197.21	3.05	3.05	100	2.42	79.34		22	22			
197.21	200.25	3.04	3.04	100	2.6	85.53		16	16			
200.25	203.3	3.05	3.05	100	2.52	82.62		18	18			
203.3	206.35	3.05	3.05	100	2.34	76.72		28	28			
206.35	209.4	3.05	2.98	97.7	2.13	69.84		32	32			
209.4	212.45	3.05	3.05	100	2.03	66.56		32	32			
212.45	215.49	3.04	2.92	96.05	2.1	69.08		50	50			
215.49	218.54	3.05	3.03	99.34	1.94	63.61		42	42			
218.54	221.59	3.05	2.94	96.39	1.97	64.59		40	40			
221.59	224.64	3.05	3.05	100	1.71	56.07		45	45			
224.64	227.69	3.05	2.96	97.05	1.62	53.11		67	67			
227.69	230.73	3.04	2.86	94.08	1.4	46.05		60	60			
230.73	232.56	1.83	1.85	101.09	0.95	51.91		150	150			.04m clay
232.56	234.39	1.83	1.4	76.5	0.12	6.56		140	140			Actual recovery 1.26m
234.39	237.44	3.05	2.94	96.39	1.9	62.3		70	70			EOH



Data Logger Print Logs ~ Mag Susceptibility

DataSet: WJ_GF

Hole ID: SB10-07

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
10.14	12.19	2.05	75.02	68.26	66.85	70.043		EC		HQ core
12.19	15	2.81	44.01	43.59	59.4	49		EC	16/05/2010	
15	18	3	71.96	35.4	46.16	51.173		EC	16/05/2010	
18	21	3	39.8	47.28	59.25	48.777		EC	16/05/2010	
21	24	3	47.54	26.75	1.09	25.127		EC	16/05/2010	
24	27	3	1.59	0.7	0.48	0.923		EC	16/05/2010	
27	30	3	1.08	1.21	24.99	9.093		EC	17/05/2010	
30	33	3	0.99	1.83	0.75	1.19		EC	17/05/2010	
33	36	3	0.58	1.93	54.46	18.99		EC	17/05/2010	
36	39	3	40.99	58.86	57.17	52.34		EC	17/05/2010	
39	42	3	54.24	46.58	2.36	34.393		EC	17/05/2010	
42	45	3	12.59	11.7	11.84	12.043		EC	17/05/2010	
45	48	3	51.8	3.93	0.77	18.833		EC	17/05/2010	
48	51	3	0.92	19.69	1.13	7.247		EC	17/05/2010	
51	54	3	39.81	51.7	40.92	44.143		EC	17/05/2010	
54	57	3	56.6	56.74	39.24	50.86		EC	17/05/2010	
57	60	3	53.96	1.78	49.77	35.17		EC	17/05/2010	
60	63	3	61.41	61.55	54.5	59.153		EC	17/05/2010	
63	66	3	57.35	0.74	1.79	19.96		EC	17/05/2010	
66	69	3	0.23	0.47	0.25	0.317		EC	17/05/2010	
69	72	3	0.64	0.16	1.43	0.743		EC	17/05/2010	
72	75	3	0.61	0.74	1.68	1.01		EC	17/05/2010	
75	78	3	48.64	2.64	53.46	34.913		EC	17/05/2010	
78	81	3	1.46	2.27	54.39	19.373		EC	17/05/2010	
81	84	3	33.18	25.63	0.72	19.843		EC	17/05/2010	
84	87	3	1.55	56.58	36.59	31.573		EC	17/05/2010	
87	90	3	57.54	38.94	1.12	32.533		EC	17/05/2010	
90	93	3	0.98	1.04	0.31	0.777		EC	17/05/2010	
93	96	3	0.18	0.22	0.25	0.217		EC	17/05/2010	
96	99	3	0.29	0.23	0.18	0.233		EC	17/05/2010	
99	102	3	0.24	0.31	1.72	0.757		EC	17/05/2010	
102	105	3	50.15	48.56	22.89	40.533		EC	17/05/2010	
105	108	3	51.39	13.8	44.21	36.467		EC	17/05/2010	
108	111	3	56.47	56.99	58.38	57.28		EC	17/05/2010	
111	114	3	48.32	55.63	48.8	50.917		EC	17/05/2010	
114	117	3	9.42	2.16	57.88	23.153		EC	17/05/2010	
117	120	3	54.42	62.74	64.34	60.5		EC	17/05/2010	



Data Logger Print Logs ~ Mag Susceptibility

Hole ID: **SB10-07**

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
120	123	3	64.36	69.61	65.57	66.513		EC	17/05/2010	
123	126	3	53.6	54.55	55.74	54.63		EC	17/05/2010	
126	129	3	48.56	69.75	54.93	57.747		EC	17/05/2010	
129	132	3	54.35	0.7	0.39	18.48		EC	17/05/2010	
132	135	3	1.35	0.02	0.41	0.593		EC	17/05/2010	
135	138	3	0.448	0.499	0.367	0.438		EC	17/05/2010	
138	141	3	0.247	0.95	1.277	0.825		JM	18/05/2010	
141	144	3	56.03	44.98	29.65	43.553		JM	18/05/2010	
144	147	3	1.433	0.568	36.42	12.807		JM	18/05/2010	
147	150	3	57.49	61.48	58.3	59.09		JM	18/05/2010	
150	153	3	58.4	49.03	52.28	53.237		JM	18/05/2010	
153	156	3	1.675	1.4	1.08	1.385		JM	18/05/2010	
156	159	3	48.25	54.98	55.57	52.933		JM	18/05/2010	
159	162	3	54.21	61.47	53.34	56.34		JM	18/05/2010	
162	165	3	43.78	48.11	2.424	31.438		JM	18/05/2010	
165	168	3	68.18	56.52	60.46	61.72		JM	18/05/2010	
168	171	3	2.454	55.77	56.59	38.271		JM	18/05/2010	
171	174	3	52.18	57.5	37.43	49.037		JM	18/05/2010	
174	177	3	0.692	2.45	1.75	1.631		JM	18/05/2010	
177	180	3	39.52	4.612	52.78	32.304		JM	18/05/2010	
180	183	3	49.95	54.75	9.87	38.19		JM	18/05/2010	
183	186	3	15.72	53.18	1.133	23.344		JM	18/05/2010	
186	189	3	1.294	40.11	49.37	30.258		JM	18/05/2010	
189	192	3	50.9	25.42	1.544	25.955		JM	18/05/2010	
192	195	3	0.523	0.352	0.361	0.412		JM	18/05/2010	
195	198	3	0.262	0.343	0.505	0.37		JM	18/05/2010	
198	201	3	0.33	47.75	2.23	16.77		JM	18/05/2010	
201	204	3	51.3	0.662	0.24	17.401		JM	18/05/2010	
204	207	3	0.287	0.484	0.184	0.318		JM	18/05/2010	
207	210	3	1.522	0.61	32.86	11.664		JM	18/05/2010	
210	213	3	33.88	0.293	0.553	11.575		JM	18/05/2010	
213	216	3	0.326	0.167	0.156	0.216		JM	18/05/2010	
216	219	3	0.34	0.229	0.443	0.337		JM	18/05/2010	
219	222	3	0.167	0.321	0.161	0.216		JM	18/05/2010	
222	225	3	0.65	0.165	0.71	0.508		JM	18/05/2010	
225	228	3	0.323	0.499	0.399	0.407		JM	18/05/2010	
228	231	3	0.589	57.41	0.95	19.65		JM	18/05/2010	
231	234	3	1.28	0.644	0.636	0.853		JM	18/05/2010	
234	237.44	3.44	12.28	59.18	0.283	23.914		JM	18/05/2010	EOH



Data Logger Print Logs ~ DH Samples

DataSet: WJ_GF

Hole ID: SB10-07

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
10.14	12.19	205485	HC	TS	<input type="checkbox"/>	HQ CORE
12.19	14	205486	HC	TS	<input type="checkbox"/>	
14	16.5	205487	HC	TS	<input type="checkbox"/>	
16.5	19	205488	HC	TS	<input type="checkbox"/>	
19	22	205489	HC	TS	<input type="checkbox"/>	
22	25	205491	HC	TS	<input type="checkbox"/>	
25	28	205492	HC	TS	<input type="checkbox"/>	
28	31	205493	HC	TS	<input type="checkbox"/>	
31	34	205494	HC	TS	<input checked="" type="checkbox"/>	
34	37	205495	HC	TS	<input type="checkbox"/>	
37	40	205496	HC	TS	<input type="checkbox"/>	
40	43	205497	HC	TS	<input type="checkbox"/>	
43	46	205498	HC	TS	<input type="checkbox"/>	
46	49	205499	HC	TS	<input type="checkbox"/>	
49	52	205501	HC	TS	<input type="checkbox"/>	
52	55	205502	HC	TS	<input type="checkbox"/>	
55	58	205503	HC	TS	<input type="checkbox"/>	
58	61	205504	HC	TS	<input type="checkbox"/>	
61	64	205505	HC	TS	<input type="checkbox"/>	
64	67	205506	HC	TS	<input type="checkbox"/>	
67	70	205507	HC	TS	<input type="checkbox"/>	
70	73	205508	HC	TS	<input type="checkbox"/>	
73	76	205509	HC	TS	<input type="checkbox"/>	
76	79	205511	HC	TS	<input type="checkbox"/>	
79	82	205512	HC	TS	<input type="checkbox"/>	
82	85	205513	HC	TS	<input type="checkbox"/>	
85	88	205514	HC	TS	<input checked="" type="checkbox"/>	
88	91	205515	HC	TS	<input type="checkbox"/>	
91	94	205516	HC	TS	<input type="checkbox"/>	
94	97	205517	HC	TS	<input type="checkbox"/>	
97	100	205518	HC	TS	<input type="checkbox"/>	
100	103	205519	HC	TS	<input type="checkbox"/>	
103	106	205521	HC	TS	<input type="checkbox"/>	
106	109	205522	HC	TS	<input type="checkbox"/>	
109	112	205523	HC	TS	<input type="checkbox"/>	
112	115	205524	HC	TS	<input type="checkbox"/>	
115	118	205525	HC	TS	<input type="checkbox"/>	



Data Logger Print Logs ~ DH Samples

Hole ID: SB10-07

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
118	121	205526	HC	TS	<input type="checkbox"/>	
121	124	205527	HC	TS	<input type="checkbox"/>	
124	127	205528	HC	TS	<input type="checkbox"/>	
127	130	205529	HC	TS	<input checked="" type="checkbox"/>	
130	133	205531	HC	TS	<input type="checkbox"/>	
133	136	205532	HC	TS	<input type="checkbox"/>	
136	139	205533	HC	TS	<input type="checkbox"/>	
139	142	205534	HC	TS	<input checked="" type="checkbox"/>	
142	145	205535	HC	TS	<input type="checkbox"/>	
145	148	205536	HC	TS	<input type="checkbox"/>	
148	151	205537	HC	TS	<input type="checkbox"/>	
151	154	205538	HC	TS	<input type="checkbox"/>	
154	157	205539	HC	TS	<input type="checkbox"/>	
157	160	205541	HC	TS	<input type="checkbox"/>	
160	163	205542	HC	TS	<input type="checkbox"/>	
163	166	205543	HC	TS	<input type="checkbox"/>	
166	169	205544	HC	TS	<input type="checkbox"/>	
169	172	205545	HC	TS	<input type="checkbox"/>	
172	175	205546	HC	TS	<input type="checkbox"/>	
175	178	205547	HC	TS	<input type="checkbox"/>	
178	181	205548	HC	TS	<input type="checkbox"/>	
181	184	205549	HC	TS	<input type="checkbox"/>	
184	187	205551	HC	TS	<input type="checkbox"/>	
187	190	205552	HC	TS	<input type="checkbox"/>	
190	193	205553	HC	TS	<input type="checkbox"/>	
193	196	205554	HC	TS	<input type="checkbox"/>	
196	199	205555	HC	TS	<input type="checkbox"/>	
199	202	205556	HC	TS	<input type="checkbox"/>	
202	205	205557	HC	TS	<input type="checkbox"/>	
205	208	205558	HC	TS	<input type="checkbox"/>	
208	211	205559	HC	TS	<input type="checkbox"/>	
211	214	205561	HC	TS	<input type="checkbox"/>	
214	217	205562	HC	TS	<input type="checkbox"/>	
217	220	205563	HC	TS	<input type="checkbox"/>	
220	223	205564	HC	TS	<input type="checkbox"/>	
223	226	205565	HC	TS	<input checked="" type="checkbox"/>	
226	229	205566	HC	TS	<input type="checkbox"/>	
229	232	205567	HC	TS	<input type="checkbox"/>	
232	235	205568	HC	TS	<input type="checkbox"/>	



Data Logger Print Logs ~ DH Samples

Hole ID: SB10-07

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
235	237.44	205569	HC	TS	<input type="checkbox"/>	EOH



Data Logger Print Logs ~ Collars

DataSet: WJ_GF

Depth (m)	Hole Type	Core Diameter	Grid ID	East	North	Elevation	Survey Method	Survey Date	Survey By	Date Started	Date Completed	Logged By	Prospect	Validated By
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Hole: SB10-08

255.73 m	DD	NQ	UTM10N_NAD83	613263.45	5790885.48	1027	DGPS	06/06/2010	TS	18/05/2010	18/05/2010	TS	Spellbound	TS
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Hole was drilled to test a Cu/Mo soil geochemical anomaly. Anomaly can be explained by the weak disseminated Cpy throughout the Takomkane quartz monzonite. Fault zone at 319.35-143.17m and 47.1-48.3m. Very weak and patchy disseminated Cpy throughout.



Data Logger Print Logs ~ DH Surveys

DataSet: WJ_GF

Hole ID: SB10-08

Depth (m)	Survey Method	Grid ID	Dip	Orig Azimuth	EZ Shot Azimuth	Magnetic Declination	Date Surveyed	Survey Instrument	Comments
0	COLL	UTM10N_NAD83	-75	190			22/05/2010	CMP	
8.53	EZ Shot	UTM10N_NAD83	-74.1	190	178.2		22/05/2010	EZ	Azimuth not corrected for magnetic declination
130.45	EZ Shot	UTM10N_NAD83	-73.8	190	179.9		22/05/2010	EZ	Azimuth not corrected for magnetic declination
255.73	EZ Shot	UTM10N_NAD83	-73.7	190	183.5		21/05/2010		



DataSet: WJ_GF

Hole ID: SB10-08

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	0	6	Overburden	Overburden (OB)	

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	0	6	NR	Primary	None										

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	0	6	UnMin		0										

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments

Structure:	From (m)	To (m)	Type	Intensity	CA Angle

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	6	100	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	similar to SB10-07. Potassic alteration of individual feldspar grains patchy throughout



DataSet: WJ_GF

Hole ID: SB10-08

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	6	28.22	Pot_Ksp	Primary	W	PHY	OvPrnt1	M	Propy	OvPrnt1	M				From 19-22.5m increase in potassic alteration of feldspar grains throughout. Occasional sections patchy throughout with epidote. some local increases of potassic alteration; some very weak and patchy clay alteration of feldspars; possible weak phyllic?? some sections along fracture of strong clay. Some local increases of potassic alteration especially of individual feldspar grains. Some sections with increased epidote throughout some local increases of potassic alteration; from 51-55m individual feldspar grains are potassically altered. Possible phyllic?? potassic locally increased around vein selvages; occasional small section of magnetite (59.15-59.82m; 73.18-74.68m); silicification?? Or form of phyllic alteration?? amount of magnetite varies throughout; 101.4-102.48m decreased magnetite.
	28.22	30.55				Propy	OvPrnt								
	30.55	32				Phyl									
	32	39.75				Propy									
	39.75	57.4							PHY	OvPrnt	M				
	57.4	76.6				Sil			Propy						
	76.6	110.48													

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	6	28.22	Cpy	0.5	MASS	Mag	2	MASS							
	28.22	39.75	UnMin	0											
	39.75	57.4	Cpy	0.01	MASS	Mag	2	MASS							
	57.4	76.6	UnMin	0											
	76.6	110.48	Cpy	0.01	DIS	Mag	2	MASS							

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	28.22	30.45	VQtz	±qtz	0.1	Vchl	±ep	0.1							
	39.75	57.4													
	76.68	110.48			1	Vchl	±ep	0.1							
	6	28.22			0.1	Vep	±carb±qtz	0.01							
	30.45	32		±chl±ep	10										patchy hematite and carb throughout
	57.4	76.68	Vep	±qtz±chl	5	VQtz		1							
	32	39.75	VQtz	±qtz	0.5	Vchl	±ep	0.5							

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	28.78	29.57	RUB	W	
	30.45	32		M	
	43.7	43.8	FLTG	S	
	65.25	65.3			



DataSet: WJ_GF

Hole ID: SB10-08

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	100	200	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	similar to SB10-07. Potassic alteration of individual feldspar grains patchy throughout



DataSet: WJ_GF

Hole ID: SB10-08

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	110.48	129.35	Pot_Ksp	Primary	M	Phyl	OvPrnt	M	Propy	OvPrnt	M				some feldspars grains are potassically altered; ep blotchy throughout; some hematite; decrease in silicification (?) to more of a phyllic (some clay); silicification(?) increases from 124.3-129.35m.
	129.35	131.19				Sil									
	131.19	137.4													
	137.4	143.17				Argil	OvPrnt1	S							feldspars grains potassically altered argillic or phyllic? Strong clay with chlorite and hematite
	143.17	147.01			W	Phyl	OvPrnt	W	Propy	OvPrnt	W				very weak propy
	147.01	148.5			S			M							
	148.5	165.29			M	Sil			Propy	OvPrnt	M				some sections within that have an increased magnetite such as at 152.95-154.06m; 157.28-157.86m; and 158.89-161.45m
	165.29	187.4			W	Phyl					W				174.13-174.9m zone with increased chlorite and some weak hematite. Clay along fracture planes.
	187.4	191.34						S							Some local increases to strong potassic alteraion
	191.34	217.94				Sil		M	Propy	OvPrnt	W				some sections with a stronger phyllic (ser and clay) such as at 195m and 203.7m.

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	110.48	129.35	UnMin	0											
	129.35	131.19	Mag	2	MASS										
	131.19	165.29		1											some sections with increased magneite, patchy throughout
	165.29	187.4		2	DIS										
	187.4	191.34		0.5											
	191.34	217.94		2	MASS										

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	110.48	129.35	Vep	±qtz±hem	1	VQtz	±carb	0.1							
	187.4	191.34	VQtz	±carb	0.1	Vchl		0.5							
	137.4	143.17	Vchl	±cpy	5	VQtz	±qtz								
	148.5	165.29	VQtz	±carb±chl	1										
	191.34	217.94		±qtz		Vcarb	±qtz±hem	0.1							
	131.19	137.4		±carb	0.1	Vchl	±ep								
	147.01	148.5	Vchl	±ep	0.5	VQtz	±carb								
	143.17	147.01	Vhem	±hem	5	Vep		1							hematite along fracture planes
	165.29	187.4	VQtz	±carb	2	Vchl	±qtz	0.1							
	129.35	131.19			0.5										

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	115.59	123.15	RUB	W	



DataSet: WJ_GF

Hole ID: SB10-08

137.4	143.17	FLT	S	20
147.01	148.5		M	
163.2	163.98	RUB	W	
187.4	191.34	FLT	M	

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	200	255.73	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	similar to SB10-07. Potassic alteration of individual feldspar grains patchy throughout

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	217.94	220.63	Pot_Ksp	Primary	W	Phyl	OvPrnt	M	Propy	OvPrnt	M				some clay along fracture planes
	220.63	229				Sil					W				
	229	230.4	Phyl		S	Propy		W							very weak and patchy propy
	230.4	255.73	Pot_Ksp		M	Sil		M	Propy	OvPrnt	W				rare epidote. Section from 239.1-240m increased chlorite

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	217.94	220.63	UnMin	0											
	220.63	229	Mag	2	MASS										
	229	230.4	UnMin	0											
	230.4	255.73	Cpy	0.5	DIS	Mag	2	MASS							cpy associated with quartz/carb veining especially in zone of intense potassic alteration at 247.7m; some minor disseminations throughout

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	217.94	220.63	VQtz	±qtz	0.5	Vchl	±chl	1							
	230.4	255.73			1	VQCarb	±cpy	0.5							some quartz/carb veins have selvages with strong potassic alteration; some qtz veins parallel to core axis
	220.63	229			0.5	Vcarb	±qtz±chl	0.1							
	229	230.4	Vchl	±chl											

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	229	230.4	FLT	S	25
	249.9	250.3	RUB	W	



Data Logger Print Logs ~ Geotechnical

DataSet: WJ_GF

Hole ID: SB10-08

From (m)	To (m)	Interval Length	Recov. (m)	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
6	9.14	3.14	3.13	99.68	1.2	38.22		160	160			6m to 9.14m HQ core.
9.14	11.58	2.44	1.9	77.87	0.76	31.15		60	60			
11.58	14.63	3.05	3	98.36	2.32	76.07		30	30			
14.63	17.07	2.44	2.45	100.41	1.46	59.84		44	44			
17.07	17.68	0.61	0.46	75.41	0	0		40	40			Actual recovery .45m
17.68	20.73	3.05	3	98.36	2.2	72.13		30	30			
20.73	23.77	3.04	2.91	95.72	2.08	68.42		55	55			
23.77	25.3	1.53	1.4	91.5	0.85	55.56		40	40			
25.3	26.82	1.52	1.52	100	1.13	74.34		16	16			
26.82	28.65	1.83	1.9	103.83	0.95	51.91		50	50			
28.65	29.57	0.92	0.84	91.3	0	0		70	70			
29.57	29.87	0.3	0.23	76.67	0.1	33.33		20	20			
29.87	32	2.13	1.97	92.49	0.34	15.96		130	130			
32	32.92	0.92	0.82	89.13	0.26	28.26		60	60			
32.92	34.14	1.22	1.03	84.43	0.61	50		60	60			
34.14	35.97	1.83	1.85	101.09	1.48	80.87		9	9			
35.97	39.01	3.04	3.03	99.67	1.83	60.2		50	50			
39.01	42.06	3.05	3.02	99.02	2.09	68.52		40	40			
42.06	44.81	2.75	2.54	92.36	2.03	73.82		20	20			
44.81	45.11	0.3	0.23	76.67	0.23	76.67		1	1			
45.11	48.16	3.05	3.07	100.66	2.73	89.51		11	11			
48.16	51.21	3.05	3.06	100.33	2.06	67.54		30	30			
51.21	52.12	0.91	0.83	91.21	0.24	26.37		27	27			
52.12	54.25	2.13	2.16	101.41	1.34	62.91		21	21			
54.25	56.08	1.83	1.57	85.79	0.88	48.09		70	70			
56.08	57.3	1.22	1.26	103.28	0.38	31.15		50	50			
57.3	58.52	1.22	1.14	93.44	0.65	53.28		25	25			
58.52	59.74	1.22	1.27	104.1	0.63	51.64		28	28			
59.74	60.96	1.22	1.28	104.92	0.37	30.33		53	53			
60.96	63.4	2.44	2.07	84.84	0.93	38.11		32	32			
63.4	66.45	3.05	2.84	93.11	1.47	48.2		40	40			.05m clay
66.45	69.19	2.74	2.57	93.8	1.45	52.92		67	67			
69.19	71.63	2.44	2.4	98.36	1.08	44.26		53	53			
71.63	74.68	3.05	3.05	100	1.77	58.03		35	35			
74.68	77.72	3.04	2.9	95.39	2.32	76.32		22	22			
77.72	80.47	2.75	2.7	98.18	1.8	65.45		32	32			
80.47	83.52	3.05	2.92	95.74	2.1	68.85		47	47			



Data Logger Print Logs ~ Geotechnical

Hole ID: **SB10-08**

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
83.52	86.56	3.04	3.03	99.67	1.86	61.18		75	75			
86.56	89.61	3.05	2.82	92.46	1.72	56.39		42	42			
89.61	92.66	3.05	2.9	95.08	1.16	38.03		84	84			
92.66	95.71	3.05	2.98	97.7	1.27	41.64		70	70			.08m clay
95.71	98.15	2.44	2.2	90.16	1.17	47.95		22	22			
98.15	99.97	1.82	1.85	101.65	1.12	61.54		20	20			
99.97	101.19	1.22	0.95	77.87	0.68	55.74		20	20			
101.19	103.02	1.83	1.91	104.37	1.47	80.33		15	15			
103.02	103.94	0.92	0.99	107.61	0.6	65.22		10	10			
103.94	106.07	2.13	2.11	99.06	1.63	76.53		25	25			
106.07	108.2	2.13	1.97	92.49	1.42	66.67		17	17			
108.2	109.12	0.92	1.01	109.78	0.35	38.04		16	16			
109.12	112.17	3.05	3	98.36	1.37	44.92		47	47			
112.17	114.3	2.13	1.97	92.49	0.5	23.47		80	80			
114.3	115.21	0.91	0.8	87.91	0.55	60.44		20	20			
115.21	116.13	0.92	0.7	76.09	0.22	23.91		40	40			
116.13	117.4	1.27	0.85	66.93	0	0		300	300			
117.4	118.26	0.86	1.07	124.42	0.11	12.79		70	70			Actual recovery 1.11m.
118.26	119.79	1.53	1.23	80.39	0.14	9.15		180	180			
119.79	120.7	0.91	0.8	87.91	0.14	15.38		80	80			
120.7	121.31	0.61	0.5	81.97	0.1	16.39		40	40			
121.31	122.83	1.52	1.39	91.45	0.57	37.5		55	55			
122.83	124.36	1.53	1.48	96.73	0.13	8.5		90	90			
124.36	127.41	3.05	2.84	93.11	1.8	59.02		37	37			
127.41	130.45	3.04	2.95	97.04	2.25	74.01		27	27			
130.45	133.5	3.05	2.93	96.07	1.44	47.21		54	54			
133.5	136.55	3.05	2.86	93.77	1.6	52.46		55	55			
136.55	139.6	3.05	2.8	91.8	0	0		1000	1000			.60m clay and clay in all fractures.
139.6	142.65	3.05	3.01	98.69	0	0		350	350			plus clay
142.65	143.26	0.61	0.55	90.16	0	0		82	82			
143.26	145.69	2.43	2.66	109.47	0.47	19.34		105	105			plus clay
145.69	148.74	3.05	2.85	93.44	0.12	3.93		250	250			plus clay
148.74	151.79	3.05	2.84	93.11	1.03	33.77		50	50			
151.79	154.84	3.05	2.97	97.38	2.12	69.51		31	31			
154.84	157.89	3.05	3.08	100.98	1.91	62.62		24	24			
157.89	160.93	3.04	3.03	99.67	1.68	55.26		33	33			
160.93	163.98	3.05	3.01	98.69	1.29	42.3		85	85			
163.98	167.03	3.05	3.02	99.02	1.19	39.02		62	62			
167.03	170.08	3.05	3.02	99.02	1.25	40.98		57	57			



Data Logger Print Logs ~ Geotechnical

Hole ID: SB10-08

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
170.08	173.13	3.05	3.01	98.69	2.03	66.56		25	25			
173.13	174.96	1.83	1.84	100.55	0.42	22.95		118	118			plus clay
174.96	178	3.04	2.91	95.72	0.99	32.57		74	74			
178	181.05	3.05	2.82	92.46	1.05	34.43		58	58			
181.05	184.1	3.05	2.96	97.05	0.78	25.57		83	83			
184.1	184.4	0.3	0.3	100	0.1	33.33		5	5			
184.4	187.45	3.05	3.01	98.69	1.73	56.72		86	86			
187.45	190.5	3.05	3.03	99.34	0	0		400	400			plus clay
190.5	193.55	3.05	3.06	100.33	1.61	52.79		42	42			
193.55	194.46	0.91	0.8	87.91	0.62	68.13		5	5			
194.46	197.51	3.05	2.97	97.38	1.22	40		59	59			
197.51	200.56	3.05	2.97	97.38	1.32	43.28		42	42			
200.56	203.61	3.05	2.93	96.07	0.51	16.72		53	53			
203.61	206.65	3.04	3.03	99.67	1.22	40.13		44	44			
206.65	207.87	1.22	1.25	102.46	0.75	61.48		16	16			
207.87	209.7	1.83	1.81	98.91	0.32	17.49		32	32			
209.7	212.75	3.05	2.94	96.39	1	32.79		51	51			
212.75	215.8	3.05	3.04	99.67	0.98	32.13		65	65			
215.8	218.85	3.05	3.01	98.69	1.06	34.75		68	68			
218.85	221.89	3.04	2.99	98.36	0.33	10.86		64	64			
221.89	224.94	3.05	3.05	100	0.42	13.77		58	58			
224.94	227.99	3.05	2.97	97.38	1.14	37.38		44	44			
227.99	231.04	3.05	2.98	97.7	0.57	18.69		300	300			plus clay
231.04	234.09	3.05	3.09	101.31	1.62	53.11		42	42			
234.09	236.52	2.43	2.31	95.06	0.62	25.51		40	40			
236.52	239.27	2.75	2.71	98.55	1.38	50.18		38	38			
239.27	240.18	0.91	0.79	86.81	0.41	45.05		14	14			
240.18	243.23	3.05	2.99	98.03	1	32.79		48	48			
243.23	246.28	3.05	3.01	98.69	1.81	59.34		42	42			
246.28	249.02	2.74	2.86	104.38	0.88	32.12		39	39			
249.02	252.07	3.05	2.7	88.52	1.2	39.34		71	71			
252.07	252.37	0.3	0.28	93.33	0.15	50		3	3			
252.37	255.42	3.05	3.05	100	2.33	76.39		26	26			
255.42	255.73	0.31	0.29	93.55	0.21	67.74		6	6			EOH



Data Logger Print Logs ~ Mag Susceptibility

DataSet: WJ_GF

Hole ID: SB10-08

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
6	9	3	41.23	27.25	61.92	43.467		JM	19/05/2010	6m to 9m HQ core.
9	12	3	53.03	52.03	54.76	53.273		JM	19/05/2010	
12	15	3	51.75	49.63	50.25	50.543		JM	19/05/2010	
15	18	3	48.47	53.26	17.82	39.85		JM	19/05/2010	
18	21	3	49.56	47.16	50.71	49.143		JM	19/05/2010	
21	24	3	33.33	45.33	54.26	44.307		JM	19/05/2010	
24	27	3	55.83	40.79	33.15	43.257		JM	19/05/2010	
27	30	3	46.22	32.2	0.318	26.246		JM	19/05/2010	
30	33	3	0.448	0.45	0.268	0.389		JM	19/05/2010	
33	36	3	1.206	0.337	0.573	0.705		JM	19/05/2010	
36	39	3	3.054	1.054	0.758	1.622		JM	19/05/2010	
39	42	3	1.253	44.73	45.64	30.541		JM	19/05/2010	
42	45	3	52.83	43.35	54.42	50.2		JM	19/05/2010	
45	48	3	53.57	48.73	56.27	52.857		JM	19/05/2010	
48	51	3	49.47	52.11	60.73	54.103		JM	19/05/2010	
51	54	3	40.89	26.51	41.48	36.293		JM	19/05/2010	
54	57	3	38.06	49.29	48.98	45.443		JM	19/05/2010	
57	60	3	3.183	0.818	52.15	18.717		JM	20/05/2010	
60	63	3	3.074	2.75	1.27	2.365		JM	20/05/2010	
63	66	3	1.69	0.552	0.567	0.936		JM	20/05/2010	
66	69	3	0.859	1.46	0.854	1.058		JM	20/05/2010	
69	72	3	0.718	0.79	0.542	0.683		JM	20/05/2010	
72	75	3	0.67	55.64	34.06	30.123		JM	20/05/2010	
75	78	3	2.351	5.172	27.67	11.731		JM	20/05/2010	
78	81	3	15.14	53.18	55.04	41.12		JM	20/05/2010	
81	84	3	66.43	62.32	58.14	62.297		JM	20/05/2010	
84	87	3	60.78	64.1	34.45	53.11		JM	20/05/2010	
87	90	3	48.96	53.92	35.45	46.11		JM	20/05/2010	
90	93	3	60.77	43.95	51.28	52		JM	20/05/2010	
93	96	3	43.83	43.98	52.69	46.833		JM	20/05/2010	
96	99	3	53.17	54.49	52.8	53.487		JM	20/05/2010	
99	102	3	53.34	61.59	3.83	39.587		JM	20/05/2010	
102	105	3	9.687	44.26	1.882	18.61		JM	20/05/2010	
105	108	3	1.64	53.1	50.52	35.087		JM	20/05/2010	
108	111	3	46.64	29.36	10.16	28.72		JM	20/05/2010	
111	114	3	0.861	38.91	0.367	13.379		JM	20/05/2010	
114	117	3	0.684	0.563	0.139	0.462		JM	20/05/2010	



Data Logger Print Logs ~ Mag Susceptibility

Hole ID: **SB10-08**

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
117	120	3	0.665	0.36	2.348	1.124		JM	20/05/2010	
120	123	3	5.603	0.99	0.628	2.407		JM	20/05/2010	
123	126	3	0.244	0.528	0.392	0.388		JM	20/05/2010	
126	129	3	0.634	0.766	1.21	0.87		JM	20/05/2010	
129	132	3	45.15	0.683	18.16	21.331		JM	20/05/2010	
132	135	3	1.001	0.868	0.432	0.767		JM	20/05/2010	
135	138	3	0.542	0.273	0.186	0.334		JM	20/05/2010	
138	141	3	0.186	0.185	0.366	0.246		JM	20/05/2010	
141	144	3	0.26	0.17	0.25	0.227		EC	21/05/2010	
144	147	3	0.3	0.25	0.31	0.287		EC	21/05/2010	
147	150	3	0.47	0.03	0.67	0.39		EC	21/05/2010	
150	153	3	1.23	0.24	2.01	1.16		EC	21/05/2010	
153	156	3	63.56	1.48	1.64	22.227		EC	21/05/2010	
156	159	3	1.85	16.37	3.2	7.14		EC	21/05/2010	
159	162	3	48.09	14.65	43.79	35.51		EC	21/05/2010	
162	165	3	1.48	1.02	0.98	1.16		EC	21/05/2010	
165	168	3	61.54	61.08	55.93	59.517		EC	21/05/2010	
168	171	3	55.62	59.18	49.8	54.867		EC	21/05/2010	
171	174	3	57.16	65.15	97.63	73.313		EC	21/05/2010	
174	177	3	2.94	57.37	59.48	39.93		EC	21/05/2010	
177	180	3	58.69	57.74	58.07	58.167		EC	21/05/2010	
180	183	3	57.62	58.17	51	55.597		EC	21/05/2010	
183	186	3	49.98	68.92	47.99	55.63		EC	21/05/2010	
186	189	3	57.81	38.04	4.44	33.43		EC	21/05/2010	
189	192	3	32.66	3.45	15.81	17.307		EC	21/05/2010	
192	195	3	49.81	59.99	32.98	47.593		EC	21/05/2010	
195	198	3	43.7	51.26	66.83	53.93		EC	21/05/2010	
198	201	3	3.11	22.11	55.79	27.003		EC	21/05/2010	
201	204	3	71.62	71.83	52.79	65.413		EC	21/05/2010	
204	207	3	63.62	68.22	58.73	63.523		EC	21/05/2010	
207	210	3	60.41	47.97	45.4	51.26		EC	21/05/2010	
210	213	3	55.88	49.11	54.24	53.077		EC	21/05/2010	
213	216	3	33.9	36.63	11	27.177		EC	21/05/2010	
216	219	3	2.44	0.62	0.75	1.27		EC	21/05/2010	
219	222	3	0.67	5.18	20.26	8.703		EC	21/05/2010	
222	225	3	50.11	25.26	55.97	43.78		EC	21/05/2010	
225	228	3	44.08	50.03	26.33	40.147		EC	21/05/2010	
228	231	3	44.9	14.17	1.75	20.273		EC	21/05/2010	
231	234	3	31.8	49.21	54.31	45.107		EC	21/05/2010	



Data Logger Print Logs ~ Mag Susceptibility

Hole ID: SB10-08

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
234	237	3	50.95	34.35	51.27	45.523		EC	21/05/2010	
237	240	3	41.93	41.7	3.31	28.98		EC	21/05/2010	
240	243	3	0.69	2.03	21.71	8.143		EC	21/05/2010	
243	246	3	47.7	39.27	11.21	32.727		EC	21/05/2010	
246	249	3	12.91	46.96	8.07	22.647		EC	21/05/2010	
249	252	3	44.53	57.98	55.26	52.59		EC	21/05/2010	
252	255.73	3.73	55.44	52.37	56.47	54.76		EC	21/05/2010	EOH



Data Logger Print Logs ~ DH Samples

DataSet: WJ_GF

Hole ID: SB10-08

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
6	9	205571	HC	TS	<input type="checkbox"/>	
9	12	205572	HC	TS	<input type="checkbox"/>	
12	15	205573	HC	TS	<input type="checkbox"/>	
15	18	205574	HC	TS	<input type="checkbox"/>	
18	21	205575	HC	TS	<input type="checkbox"/>	
21	24	205576	HC	TS	<input type="checkbox"/>	
24	27	205577	HC	TS	<input type="checkbox"/>	
27	30	205578	HC	TS	<input type="checkbox"/>	
30	33	205579	HC	TS	<input type="checkbox"/>	
33	36	205581	HC	TS	<input type="checkbox"/>	
36	39	205582	HC	TS	<input type="checkbox"/>	
39	42	205583	HC	TS	<input type="checkbox"/>	
42	45	205584	HC	TS	<input type="checkbox"/>	
45	48	205585	HC	TS	<input type="checkbox"/>	
48	51	205586	HC	TS	<input type="checkbox"/>	
51	54	205587	HC	TS	<input type="checkbox"/>	
54	57	205588	HC	TS	<input type="checkbox"/>	
57	60	205589	HC	TS	<input type="checkbox"/>	
60	63	205591	HC	TS	<input type="checkbox"/>	
63	66	205592	HC	TS	<input type="checkbox"/>	
66	69	205593	HC	TS	<input type="checkbox"/>	
69	72	205594	HC	TS	<input type="checkbox"/>	
72	75	205595	HC	TS	<input type="checkbox"/>	
75	78	205596	HC	TS	<input type="checkbox"/>	
78	81	205597	HC	TS	<input type="checkbox"/>	
81	84	205598	HC	TS	<input type="checkbox"/>	
84	87	205599	HC	TS	<input checked="" type="checkbox"/>	
87	90	205601	HC	TS	<input type="checkbox"/>	
90	93	205602	HC	TS	<input type="checkbox"/>	
93	96	205603	HC	TS	<input type="checkbox"/>	
96	99	205604	HC	TS	<input type="checkbox"/>	
99	102	205605	HC	TS	<input checked="" type="checkbox"/>	
102	105	205606	HC	TS	<input type="checkbox"/>	
105	108	205607	HC	TS	<input type="checkbox"/>	
108	111	205608	HC	TS	<input type="checkbox"/>	
111	114	205609	HC	TS	<input type="checkbox"/>	
114	117	205611	HC	TS	<input type="checkbox"/>	



Data Logger Print Logs ~ DH Samples

Hole ID: **SB10-08**

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
117	120	205612	HC	TS	<input type="checkbox"/>	
120	123	205613	HC	TS	<input type="checkbox"/>	
123	126	205614	HC	TS	<input type="checkbox"/>	
126	129	205615	HC	TS	<input type="checkbox"/>	
129	131	205616	HC	TS	<input type="checkbox"/>	
131	134	205617	HC	TS	<input type="checkbox"/>	
134	137	205618	HC	TS	<input type="checkbox"/>	
137	140	205619	HC	TS	<input checked="" type="checkbox"/>	
140	143	205621	HC	TS	<input type="checkbox"/>	
143	146	205622	HC	TS	<input type="checkbox"/>	
146	149	205623	HC	TS	<input type="checkbox"/>	
149	152	205624	HC	TS	<input type="checkbox"/>	
152	155	205625	HC	TS	<input type="checkbox"/>	
155	158	205626	HC	TS	<input type="checkbox"/>	
158	161	205627	HC	TS	<input type="checkbox"/>	
161	164	205628	HC	TS	<input type="checkbox"/>	
164	167	205629	HC	TS	<input type="checkbox"/>	
167	170	205631	HC	TS	<input type="checkbox"/>	
170	173	205632	HC	TS	<input type="checkbox"/>	
173	176	205633	HC	TS	<input type="checkbox"/>	
176	179	205634	HC	TS	<input type="checkbox"/>	
179	182	205635	HC	TS	<input type="checkbox"/>	
182	185	205636	HC	TS	<input type="checkbox"/>	
185	188	205637	HC	TS	<input type="checkbox"/>	
188	191	205638	HC	TS	<input type="checkbox"/>	
191	194	205639	HC	TS	<input checked="" type="checkbox"/>	
194	197	205641	HC	TS	<input type="checkbox"/>	
197	200	205642	HC	TS	<input type="checkbox"/>	
200	203	205643	HC	TS	<input type="checkbox"/>	
203	206	205644	HC	TS	<input type="checkbox"/>	
206	209	205645	HC	TS	<input checked="" type="checkbox"/>	
209	212	205646	HC	TS	<input type="checkbox"/>	
212	215	205647	HC	TS	<input type="checkbox"/>	
215	218	205648	HC	TS	<input type="checkbox"/>	
218	221	205649	HC	TS	<input type="checkbox"/>	
221	224	205651	HC	TS	<input type="checkbox"/>	
224	227	205652	HC	TS	<input type="checkbox"/>	
227	230	205653	HC	TS	<input type="checkbox"/>	
230	233	205654	HC	TS	<input type="checkbox"/>	



Data Logger Print Logs ~ DH Samples

Hole ID: **SB10-08**

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
233	236	205655	HC	TS	<input type="checkbox"/>	
236	239	205656	HC	TS	<input type="checkbox"/>	
239	242	205657	HC	TS	<input type="checkbox"/>	
242	245	205658	HC	TS	<input type="checkbox"/>	
245	248	205659	HC	TS	<input type="checkbox"/>	
248	251	205661	HC	TS	<input type="checkbox"/>	
251	254	205662	HC	TS	<input type="checkbox"/>	
254	255.73	205663	HC	TS	<input type="checkbox"/>	EOH



Data Logger Print Logs ~ Collars

DataSet: WJ_GF

Depth (m)	Hole Type	Core Diameter	Grid ID	East	North	Elevation	Survey Method	Survey Date	Survey By	Date Started	Date Completed	Logged By	Prospect	Validated By
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Hole: SB10-09

191.11 m	DD	NQ	UTM10N_NAD83	613172.31	5790810.86	1020	DGPS	06/06/2010	TS	21/05/2010	23/05/2010	TS	Spellbound	TS
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Hole was drilled to test a Cu/Mo soil geochemical anomaly. Anomaly explained by up to 0.75% cpy mineralization near the top of the hole. Remainder of hole has weak and patchy disseminated cpy.

Sometimes Cpy (up to 1%) is found within quartz veinlets such as at 32.47-46.56m (approx 20 tca). 46.56 -50.65m cpy (0.5%) dominantly as blebs associated with the magnetite replacing mafics.



Data Logger Print Logs ~ DH Surveys

DataSet: WJ_GF

Hole ID: SB10-09

Depth (m)	Survey Method	Grid ID	Dip	Orig Azimuth	EZ Shot Azimuth	Magnetic Declination	Date Surveyed	Survey Instrument	Comments
0	COLL	UTM10N_NAD83	-75	210			24/05/2010	CMP	
7	EZ Shot	UTM10N_NAD83	-73.7	210	193.3		24/05/2010	EZ	Azimuth not corrected for magnetic declination
99	EZ Shot	UTM10N_NAD83	-73.3	210	198.1		24/05/2010	EZ	Azimuth not corrected for magnetic declination
190	EZ Shot	UTM10N_NAD83	-73.5	210	198.8		23/05/2010	EZ	Azimuth not corrected for magnetic declination



DataSet: WJ_GF

Hole ID: SB10-09

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	0	2.99	Overburden	Overburden (OB)	

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	0	2.99	NR	Primary	None										

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
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Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
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Structure:	From (m)	To (m)	Type	Intensity	CA Angle
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	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	2.99	9.74	Andesitic Sandstone	Nicola Felsic Volcanic Sandstone (VANSS)	possibly a very alter version (altered in such a way that textures are obliterated) of qtz monzonite (Takomkane). No frags observed. Similar to top of SB10-05?

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	2.99	9.74	Phyl	Primary	S										some possible ser??; silicification?

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	0	9.74	UnMin	0											

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	2.99	9.74	VQtz	±qtz	0.1	Vchl	±chl	0.1							

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
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	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	9.74	100	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	same as SB10-08



DataSet: WJ_GF

Hole ID: SB10-09

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	9.74	11.53	Pot_Ksp	Primary	W	Sil	OvPrnt	M	Propy	OvPrnt	W				
	11.53	15.16													
	15.16	21.45													
	21.45	27.25	Phyl			Propy	OvPrnt1								
	27.25	83.63	Pot_Ksp			Sil	OvPrnt	W	Propy	OvPrnt	W				some sections throughout with decreased mag and an increase in chlorite
	83.63	108				Propy			Sil		S				some sections with less silicification; silicification has obliterated textures particularly at the top of this interval; 95.05-100.5m section of strong clay

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	9.74	11.53	Mag	2	DIS										possible subtrace cpy
	11.53	15.56	UnMin	0											
	15.56	21.45	Mag	2	DIS										
	21.45	27.25	UnMin	0											
	27.25	46.56	Cpy	0.75	DIS	Mag	2	MASS							28.2-32.47m cpy (0.5%) as disseminations; Cpy (up to 1%) is found within quartz veinlets such as at 32.47-46.56m (approx 20 tca). 46.56 - 50.65m cpy (0.5%) dominantly as blebs associated with the magnetite replacing mafics; 50.65m cpy decreases
	46.56	50.65		0.5											
	50.65	64.5		0.1											
	64.5	83.63		0.01											
	83.63	108	UnMin	0											

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	15.65	21.45	VQtz	±qtz	0.1										
	21.45	27.25			0.5	Vchl	±ep±qtz	0.5							
	83.63	108					±ep		Vep	±qtz	0.1				
	27.25	83.63		±cpy	5	VQCarb									Cpy (up to 1%) is found within quartz veinlets such as at 32.47-46.56m (approx 20 tca).
	11.53	15.65	Vchl	±ep±qtz	1	VQtz	±qtz								
	9.74	11.53	VQtz	±qtz	0.5										

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	59.8	61.8	RUB	W	
	67	67.65			
	76.43	77.5			
	83.48	85.72			
	99.94	100.28	FLTG	M	30



DataSet: WJ_GF

Hole ID: SB10-09

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	100	191.11	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	same as SB10-08



DataSet: WJ_GF

Hole ID: SB10-09

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	108	121.77	Pot_Ksp	Primary	W	Sil	OvPrnt	M	Propy	OvPrnt	W				
	121.77	131.31									M				some individual k-spar grains potassically altered
	131.31	136.17									W				
	136.17	139.59									M				some indiidual feldspar grains potassically altered; some localized increases in propy altn
	139.59	142.19			M						W				
	142.19	144.93			W	Phyl					M				from 143.3-144.3m zone of intense alteration and breccia
	144.93	153.3				Sil					W				Some individual feldspar grains potassically altered
	153.3	163.23						W			M				
	163.23	191.11						M			W				

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	108	121.77	Cpy	0.25	DIS	Mag	2	MASS							
	121.77	131.31	UnMin	0											
	131.31	136.17	Cpy	0.01	DIS	Mag	2	MASS							
	136.17	139.59	UnMin	0											
	139.59	142.19	Cpy	0.01	DIS	Mag	2	MASS							
	142.19	144.93	UnMin	0											
	144.93	153.3	Cpy	0.01	DIS	Mag	2	MASS							
	153.3	163.23	UnMin	0											
	163.23	191.11	Cpy	0.1	DIS	Mag	2	MASS							occasional qtz vein with cpy but dominantly cpy occurs with magnetite replacing mafics

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	139.59	142.19	VQtz	±carb	1	Vchl	±qtz	0.5							
	108	121.77			0.5										
	136.17	139.59			0.1	Vchl	±qtz	1							
	121.77	131.3			0.5		±chl		Vep	±qtz	0.01				
	144.93	153.3		±qtz	0.1										
	142.19	144.93	Vcarb	±carb	0.5										
	131.3	136.17	VQtz	±qtz											
	163.23	191.11		±carb±cpy	1										
	153.3	163.23		±carb	0.5	Vchl	±chl	0.5							

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	143.3	144.3	FLTBX	M	
	162.95	163.05	FLTG		40



Data Logger Print Logs ~ Geotechnical

DataSet: WJ_GF

Hole ID: SB10-09

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
2.99	4.57	1.58	1.58	100	0.83	52.53		31	31			HQ CORE
4.57	5.79	1.22	1	81.97	0	0		47	47			REAL RECOVERY IS 0.76
5.79	7.01	1.22	1.12	91.8	0.29	23.77		41	41			
7.01	7.62	0.61	0.67	109.84	0.18	29.51		14	14			
7.62	8.84	1.22	1.32	108.2	0.23	18.85		31	31			
8.84	10.67	1.83	1.86	101.64	1.09	59.56		24	24			
10.67	13.11	2.44	2.37	97.13	1.01	41.39		41	41			
13.11	13.41	0.3	0.26	86.67	0	0		64	64			
13.41	14.94	1.53	1.48	96.73	0.45	29.41		71	71			
14.94	16.76	1.82	1.61	88.46	0.39	21.43		40	40			
16.76	19.81	3.05	3.02	99.02	1.52	49.84		56	56			
19.81	21.64	1.83	1.81	98.91	0.78	42.62		39	39			
21.64	22.56	0.92	0.78	84.78	0.13	14.13		39	39			
22.56	24.38	1.82	1.75	96.15	0.36	19.78		71	71			
24.38	25.91	1.53	1.22	79.74	0.14	9.15		82	82			PLUS CLAY
25.91	28.96	3.05	3.06	100.33	1.09	35.74		65	65			
28.96	32	3.04	2.88	94.74	0.95	31.25		63	63			
32	34.44	2.44	2.45	100.41	1.48	60.66		34	34			
34.44	37.49	3.05	3.03	99.34	1.29	42.3		64	64			
37.49	38.1	0.61	0.62	101.64	0.1	16.39		16	16			
38.1	41.15	3.05	2.93	96.07	1.44	47.21		60	60			
41.15	44.2	3.05	3.01	98.69	1.13	37.05		48	48			
44.2	46.94	2.74	2.45	89.42	0.35	12.77		77	77			
46.94	47.24	0.3	0.26	86.67	0	0		15	15			
47.24	50.29	3.05	3.05	100	1.07	35.08		66	66			
50.29	53.34	3.05	2.94	96.39	0.79	25.9		44	44			
53.34	56.39	3.05	2.9	95.08	1.29	42.3		49	49			
56.39	59.44	3.05	3.05	100	1.31	42.95		52	52			
59.44	60.35	0.91	0.91	100	0	0		53	53			
60.35	62.18	1.83	1.93	105.46	0.25	13.66		108	108			
62.18	64.62	2.44	2.3	94.26	0.96	39.34		59	59			
64.62	65.53	0.91	0.9	98.9	0.38	41.76		22	22			
65.53	67.36	1.83	1.86	101.64	0.47	25.68		66	66			
67.36	69.19	1.83	1.46	79.78	0.2	10.93		86	86			
69.19	71.63	2.44	2.48	101.64	1.19	48.77		35	35			
71.63	74.07	2.44	2.52	103.28	1.38	56.56		26	26			
74.07	74.68	0.61	0.57	93.44	0.18	29.51		42	42			



Data Logger Print Logs ~ Geotechnical

Hole ID: SB10-09

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
74.68	76.5	1.82	1.65	90.66	0.22	12.09		66	66			
76.5	77.11	0.61	0.53	86.89	0	0		57	57			
77.11	79.55	2.44	2.36	96.72	0.53	21.72		73	73			
79.55	82.6	3.05	3.04	99.67	1.3	42.62		58	58			
82.6	83.82	1.22	1.1	90.16	0.67	54.92		52	52			
83.82	85.95	2.13	1.92	90.14	0	0		225	225			plus clay
85.95	89	3.05	3.03	99.34	1.29	42.3		55	55			
89	91.14	2.14	2.15	100.47	1.28	59.81		23	23			
91.14	92.96	1.82	1.69	92.86	0.79	43.41		25	25			
92.96	96.01	3.05	2.97	97.38	1.33	43.61		61	61			
96.01	99.06	3.05	3.01	98.69	0.83	27.21		59	59			
99.06	102.11	3.05	3	98.36	0.45	14.75		147	147			plus clay
102.11	105.16	3.05	3.03	99.34	0.12	3.93		154	154			plus clay
105.16	108.2	3.04	3.02	99.34	1.59	52.3		53	53			
108.2	111.25	3.05	2.96	97.05	1.8	59.02		22	22			
111.25	114.3	3.05	3.06	100.33	1.81	59.34		51	51			
114.3	117.35	3.05	3	98.36	1.59	52.13		28	28			
117.35	120.4	3.05	2.99	98.03	2.05	67.21		39	39			
120.4	123.44	3.04	3.04	100	1.55	50.99		52	52			
123.44	126.49	3.05	3.04	99.67	1.28	41.97		54	54			
126.49	129.54	3.05	3.02	99.02	1.69	55.41		31	31			
129.54	132.59	3.05	2.67	87.54	1.11	36.39		45	45			plus clay
132.59	135.33	2.74	3.02	110.22	1.48	54.01		60	60			
135.33	138.38	3.05	3.03	99.34	1.03	33.77		52	52			plus clay
138.38	141.43	3.05	2.95	96.72	1.07	35.08		80	80			plus clay
141.43	144.48	3.05	3.01	98.69	1.25	40.98		136	136			plus clay
144.48	147.52	3.04	2.99	98.36	1.75	57.57		38	38			
147.52	150.57	3.05	3.02	99.02	1.09	35.74		57	57			
150.57	153.62	3.05	2.94	96.39	1.74	57.05		37	37			
153.62	153.92	0.3	0.3	100	0	0		6	6			
153.92	156.97	3.05	3.02	99.02	1.38	45.25		50	50			
156.97	160.02	3.05	3.04	99.67	0.78	25.57		87	87			plus clay
160.02	161.24	1.22	1.18	96.72	0	0		73	73			
161.24	163.07	1.83	1.88	102.73	0.44	24.04		83	83			plus clay
163.07	164.9	1.83	1.78	97.27	0.33	18.03		86	86			
164.9	166.12	1.22	1.19	97.54	0.46	37.7		24	24			
166.12	169.16	3.04	2.94	96.71	0.53	17.43		92	92			
169.16	172.21	3.05	3.06	100.33	1.49	48.85		55	55			
172.21	174.65	2.44	2.36	96.72	1.16	47.54		41	41			



Data Logger Print Logs ~ Geotechnical

Hole ID: SB10-09

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
174.65	177.7	3.05	2.97	97.38	0.57	18.69		56	56			
177.7	180.75	3.05	2.92	95.74	1.2	39.34		44	44			
180.75	183.79	3.04	2.97	97.7	1.52	50		49	49			
183.79	186.84	3.05	2.95	96.72	1.64	53.77		34	34			
186.84	189.89	3.05	3.01	98.69	1.68	55.08		39	39			
189.89	190.8	0.91	1.09	119.78	0.91	100		10	10			
190.8	191.11	0.31	0.3	96.77	0	0		6	6			real recovery is 0.21 and EOH



Data Logger Print Logs ~ Mag Susceptibility

DataSet: WJ_GF

Hole ID: SB10-09

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
2.99	4.57	1.58	0.25	0.39	0.47	0.37		EC	22/05/2010	HQ core
4.57	7	2.43	0.23	0.3	0.24	0.257		EC	22/05/2010	
7	10	3	0.57	0.34	1.29	0.733		EC	22/05/2010	
10	13	3	46.41	38.91	0.57	28.63		EC	22/05/2010	
13	16	3	0.52	1.98	0.39	0.963		EC	22/05/2010	
16	19	3	29.39	9.66	1.02	13.357		EC	22/05/2010	
19	22	3	3.11	37.8	45.48	28.797		EC	22/05/2010	
22	25	3	0.44	1.18	31.17	10.93		EC	22/05/2010	
25	28	3	0.52	0.47	13.14	4.71		EC	22/05/2010	
28	31	3	32.15	35.68	38.8	35.543		EC	22/05/2010	
31	34	3	44.09	21.58	42.05	35.907		EC	22/05/2010	
34	37	3	29.58	24.98	56.93	37.163		EC	22/05/2010	
37	40	3	3.69	48.75	49.69	34.043		EC	22/05/2010	
40	43	3	52.1	43.42	43.54	46.353		EC	22/05/2010	
43	46	3	31.67	2.36	34.13	22.72		EC	22/05/2010	
46	49	3	28.37	54.77	48.05	43.73		EC	22/05/2010	
49	52	3	52.49	53.06	46.8	50.783		EC	22/05/2010	
52	55	3	51.2	44.56	46.9	47.553		EC	22/05/2010	
55	58	3	56.89	38.91	47.91	47.903		EC	22/05/2010	
58	61	3	45.3	37.89	45.32	42.837		EC	22/05/2010	
61	64	3	56.31	52.58	58.18	55.69		EC	22/05/2010	
64	67	3	63.46	56.75	53.25	57.82		EC	22/05/2010	
67	70	3	49.42	43.44	51.49	48.117		EC	23/05/2010	
70	73	3	58.49	50.64	42.51	50.547		EC	23/05/2010	
73	76	3	66.09	60.74	65.57	64.133		EC	23/05/2010	
76	79	3	65.57	51.02	51.9	56.163		EC	23/05/2010	
79	82	3	55.67	44.49	48.12	49.427		EC	23/05/2010	
82	85	3	35.66	64.37	48.99	49.673		EC	23/05/2010	
85	88	3	36.7	0.68	0.97	12.783		EC	23/05/2010	
88	91	3	0.33	25.14	0.66	8.71		EC	23/05/2010	
91	94	3	0.44	0.56	0.32	0.44		EC	23/05/2010	
94	97	3	0.34	0.14	0.23	0.237		EC	23/05/2010	
97	100	3	0.83	1.63	1.16	1.207		EC	23/05/2010	
100	103	3	0.9	29.69	13.62	14.737		EC	23/05/2010	
103	106	3	39.91	22.55	0.24	20.9		EC	23/05/2010	
106	109	3	1.69	39.69	55.06	32.147		EC	23/05/2010	
109	112	3	35.58	40.35	27.23	34.387		EC	23/05/2010	



Data Logger Print Logs ~ Mag Susceptibility

Hole ID: **SB10-09**

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
112	115	3	20.88	60.39	41.14	40.803		EC	23/05/2010	
115	118	3	44.8	45.12	57.65	49.19		EC	23/05/2010	
118	121	3	63.74	54.46	56.15	58.117		EC	23/05/2010	
121	124	3	2.12	0.52	0.42	1.02		EC	23/05/2010	
124	127	3	0.64	0.96	0.56	0.72		EC	23/05/2010	
127	130	3	0.33	0.25	0.39	0.323		EC	23/05/2010	
130	133	3	0.54	49.78	50.84	33.72		EC	23/05/2010	
133	136	3	2.51	44.44	41.49	29.48		EC	23/05/2010	
136	139	3	0.67	0.36	19.73	6.92		EC	23/05/2010	
139	142	3	23.56	21.99	36.77	27.44		EC	23/05/2010	
142	145	3	0.86	1.14	12.42	4.807		EC	23/05/2010	
145	148	3	54.53	47.98	56.19	52.9		EC	23/05/2010	
148	151	3	3.09	11.91	51.84	22.28		EC	23/05/2010	
151	154	3	36.73	49.09	0.83	28.883		EC	23/05/2010	
154	157	3	1.53	0.3	0.65	0.827		EC	23/05/2010	
157	160	3	1.16	0.63	1.58	1.123		EC	23/05/2010	
160	163	3	0.56	1.59	0.47	0.873		EC	23/05/2010	
163	166	3	5.56	51.19	49.28	35.343		EC	23/05/2010	
166	169	3	39.94	1.26	30.79	23.997		EC	23/05/2010	
169	172	3	34.83	40.1	28.67	34.533		EC	23/05/2010	
172	175	3	33.88	29.36	35.08	32.773		EC	23/05/2010	
175	178	3	51.71	49.99	51.53	51.077		EC	23/05/2010	
178	181	3	56	47.34	50.2	51.18		EC	23/05/2010	
181	184	3	51.49	39.26	52.66	47.803		EC	23/05/2010	
184	187	3	50.39	54.85	58.98	54.74		EC	23/05/2010	
187	190	3	58.36	56.02	42.99	52.457		EC	23/05/2010	
190	191.11	1.11	42.87	2.03		22.45		EC	23/05/2010	EOH



Data Logger Print Logs ~ DH Samples

DataSet: WJ_GF

Hole ID: SB10-09

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
2.99	4.57	205664	HC	TS	<input type="checkbox"/>	HQ CORE
4.57	7	205665	HC	TS	<input type="checkbox"/>	
7	9.74	205666	HC	TS	<input type="checkbox"/>	
9.74	12	205667	HC	TS	<input checked="" type="checkbox"/>	
12	15	205668	HC	TS	<input type="checkbox"/>	
15	18	205669	HC	TS	<input type="checkbox"/>	
18	21	205671	HC	TS	<input type="checkbox"/>	
21	24	205672	HC	TS	<input type="checkbox"/>	
24	26	205673	HC	TS	<input type="checkbox"/>	
26	28	205674	HC	TS	<input checked="" type="checkbox"/>	
28	30	205675	HC	TS	<input type="checkbox"/>	
30	32	205676	HC	TS	<input type="checkbox"/>	
32	34	205677	HC	TS	<input type="checkbox"/>	
34	36	205678	HC	TS	<input type="checkbox"/>	
36	38	205679	HC	TS	<input type="checkbox"/>	
38	40	205681	HC	TS	<input type="checkbox"/>	
40	42	205682	HC	TS	<input type="checkbox"/>	
42	44	205683	HC	TS	<input type="checkbox"/>	
44	46	205684	HC	TS	<input type="checkbox"/>	
46	48	205685	HC	TS	<input type="checkbox"/>	
48	50	205686	HC	TS	<input type="checkbox"/>	
50	53	205687	HC	TS	<input checked="" type="checkbox"/>	
53	56	205688	HC	TS	<input type="checkbox"/>	
56	59	205689	HC	TS	<input type="checkbox"/>	
59	62	205691	HC	TS	<input type="checkbox"/>	
62	65	205692	HC	TS	<input type="checkbox"/>	
65	68	205693	HC	TS	<input type="checkbox"/>	
68	71	205694	HC	TS	<input type="checkbox"/>	
71	74	205695	HC	TS	<input type="checkbox"/>	
74	77	205696	HC	TS	<input type="checkbox"/>	
77	80	205697	HC	TS	<input type="checkbox"/>	
80	83	205698	HC	TS	<input type="checkbox"/>	
83	86	205699	HC	TS	<input type="checkbox"/>	
86	89	205701	HC	TS	<input type="checkbox"/>	
89	92	205702	HC	TS	<input type="checkbox"/>	
92	95	205703	HC	TS	<input type="checkbox"/>	
95	98	205704	HC	TS	<input type="checkbox"/>	



Data Logger Print Logs ~ DH Samples

Hole ID: **SB10-09**

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
98	101	205705	HC	TS	<input type="checkbox"/>	
101	104	205706	HC	TS	<input type="checkbox"/>	
104	107	205707	HC	TS	<input type="checkbox"/>	
107	110	205708	HC	TS	<input type="checkbox"/>	
110	113	205709	HC	TS	<input type="checkbox"/>	
113	116	205711	HC	TS	<input type="checkbox"/>	
116	119	205712	HC	TS	<input type="checkbox"/>	
119	122	205713	HC	TS	<input type="checkbox"/>	
122	125	205714	HC	TS	<input type="checkbox"/>	
125	128	205715	HC	TS	<input type="checkbox"/>	
128	131	205716	HC	TS	<input type="checkbox"/>	
131	134	205717	HC	TS	<input type="checkbox"/>	
134	137	205718	HC	TS	<input type="checkbox"/>	
137	140	205719	HC	TS	<input type="checkbox"/>	
140	143	205721	HC	TS	<input type="checkbox"/>	
143	146	205722	HC	TS	<input type="checkbox"/>	
146	149	205723	HC	TS	<input type="checkbox"/>	
149	152	205724	HC	TS	<input type="checkbox"/>	
152	155	205725	HC	TS	<input type="checkbox"/>	
155	158	205726	HC	TS	<input type="checkbox"/>	
158	161	205727	HC	TS	<input checked="" type="checkbox"/>	
161	164	205728	HC	TS	<input type="checkbox"/>	
164	167	205729	HC	TS	<input type="checkbox"/>	
167	170	205731	HC	TS	<input type="checkbox"/>	
170	173	205732	HC	TS	<input type="checkbox"/>	
173	176	205733	HC	TS	<input type="checkbox"/>	
176	179	205734	HC	TS	<input type="checkbox"/>	
179	182	205735	HC	TS	<input type="checkbox"/>	
182	185	205736	HC	TS	<input type="checkbox"/>	
185	188	205737	HC	TS	<input type="checkbox"/>	
188	191.11	205738	HC	TS	<input type="checkbox"/>	EOH



Data Logger Print Logs ~ Collars

DataSet: WJ_GF

Depth (m)	Hole Type	Core Diameter	Grid ID	East	North	Elevation	Survey Method	Survey Date	Survey By	Date Started	Date Completed	Logged By	Prospect	Validated By
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Hole: SB10-10

325.22 m	DD	NQ	UTM10N_NAD83	612916.41	5789632.42	1043	DGPS	06/06/2010	TS	23/05/2010	27/05/2010	TS	Spellbound	TS
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The purpose of this hole was to test coincidental Cu and Mo soil geochemical anomalies as well as an IP anomaly. Anomaly was explained by the malachite and cpy mineralization at the top of the hole followed by cpy and bo mineralization at 35.75-64m.

A takomkane quartz monzonite fault (possibly related to the magnetic low feature in the area) was encountered from 248.66-303.79m.



Data Logger Print Logs ~ DH Surveys

DataSet: WJ_GF

Hole ID: SB10-10

Depth (m)	Survey Method	Grid ID	Dip	Orig Azimuth	EZ Shot Azimuth	Magnetic Declination	Date Surveyed	Survey Instrument	Comments
0	COLL	UTM10N_NAD83	-75	90		18	28/05/2010	CMP	
8	EZ Shot	UTM10N_NAD83	-74.2	90	75.9	18	28/05/2010	EZ	
163	EZ Shot	UTM10N_NAD83	-74.1	90	77	18	28/05/2010	EZ	
325	EZ Shot	UTM10N_NAD83	-74.1	90	79.4	18	28/05/2010	EZ	



DataSet: WJ_GF

Hole ID: SB10-10

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	0	5.33	Overburden	Overburden (OB)	

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
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Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
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Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
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Structure:	From (m)	To (m)	Type	Intensity	CA Angle
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	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	5.33	33	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	malachite from 5.33-9.30m



DataSet: WJ_GF

Hole ID: SB10-10

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	5.33	17.39	Pot_Ksp	Primary	W	Sil	OvPrnt	W	Propy	OvPrnt	W				occasional small interval within that has decreased magneite and increased silicification. some sections with increased magnetite
	17.39	20.53						M			M				
	20.53	22.28					Primary	W			W				
	22.28	26.84					OvPrnt	S							
	26.84	33						W			OvPrnt1				silicification has obliterated some of he original alteration but based on some of the less altered sections it appears some very weak potassic alteration.

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	5.33	9.3	Mal	1	FRA	Mag	1.5	DIS							
	9.3	17.39	Cpy	0.5	DIS		2								
	17.39	20.53	UnMin	0											
	20.53	22.28	Cpy	0.1	MASS	Mag	2	MASS							
	22.28	26.84	UnMin	0											
	26.84	33	Cpy	0.25	DIS	Mag	2	MASS							

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	5.33	17.39	VQCarb	±cpy	1	Vep	±ep	0.01							
	17.39	20.53		±carb			±chl	0.5							
	20.53	22.28			1										
	26.84	33	VQtz	±carb±cpy	0.5										rare cpy within qz/carb veinlets
	22.28	26.84	VQCarb	±ep	1										

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	5.33	9.9	RUB	W	
	27.29	32.87			

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	194.5	204	Mafic Dyke	Lamprophyre Dyke (Mdyk)	Dark grey black strongly magnetic porphyritic dyke. Moderately to strongly chlorite altered. Mafic dominantly altered to chlorite. Chlorite veining throughout. No visible mineralization. Phenos chlorite altered..possible hornblende



DataSet: WJ_GF

Hole ID: SB10-10

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	194.5	204	Chlor	Primary	S										fracture planes strong chlorite

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	194.5	204	Mag	30	DIS										

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	194.5	204	Vchl	±chl	5										

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	194.5	204	RUB	W	

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	204	248.66	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	204	209.64	Pot_Ksp	Primary	W	Sil	OvPrnt	S	Propy	OvPrnt	M				strong silicification drops off near the end of interval and chlorite/epidote picks up
	209.64	218.45				Propy		W							potassic alteration stronger along vein selvages; patchy epidote blebs throughout; very weak chlorite/epidote replacement; overall the rock is very weakly altered compared to rock in units above; relatively "fresh" rock
	218.45	222.25				Sil		M	Propy	OvPrnt	W				patchy silicification and propy
	222.25	232.7						W			M				some small patchy sections of very weakly altered rock.
	232.7	237.3				Propy									some local increases in potassic alteration; some individual grains for feldspar potassically altered
	237.3	242			M										some sections with strong potassic alteration
	242	248.66			W	OvPrnt1		M	Sil	OvPrnt	W				increasing potassic alteration towards end of interval

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	204	248.66	VQCarb	±ep	0.5	Vchl	±ep±qtz	0.1							

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	204	248.66	VQCarb	±ep	0.5	Vchl	±ep±qtz	0.1							

Structure:	From (m)	To (m)	Type	Intensity	CA Angle



DataSet: WJ_GF

Hole ID: SB10-10

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	248.66	303.79	Porphyritic Quartz monzonite	Fault	similar to above but fault zone; alteration ranges from moderate to strong at 248.66-254.9m to strong to intense from 254.9-272.46m then back to moderate to strong to end of interval. Textures obliterated throughout especially

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	248.66	254.9	Pot_Ksp	Primary	M	Propy	OvPrnt	M							some local increases from 251.6- end of interval with patchy strong propy alteration.
	254.9	272.46						S							within fault zone; some section of intense propy alteration-almost totally altered to chlorite/epidote and clay. Patchy sections of potassic throughout; majority of interval has most of the textures obliterated.
	272.46	279.5			S			W							patchy weak hematite
	279.5	282.2			W	Sil		M							
	282.2	303.79			S	Propy		W							patchy weak hematite; propy patchy with some local strong to intense sections from 288.8-294.3m of clay. From 301.4-303.79m strong potassic (plus hematite dusting) altered aplite dykes

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
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Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	248.66	306.8	Vcarb	±qtz	5	Vchl	±ep	1							rare bleb of galena and cpy in qtz/carb vein at 267.15m; some veins have weak hemaite; stockwork veining and individual.

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
	248.88	303.79	FLT	M	30

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	303.79	325.22	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	similar to 204-248.66m. Series of aplite dykes from 301.4-306.4m. They range in size from 10cm to 1m. Approx 40 tca. Dykes are strongly potassically altered with possible dusting of hemaite.



DataSet: WJ_GF

Hole ID: SB10-10

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	303.79	304.4	Pot_Ksp	Primary	M	Propy	OvPrnt	W	Sil	OvPrnt	W				
	304.4	325.22				Sil			Propy		M				

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	204	325.22	UnMin	0											rare bleb of galena and cpy in qtz/carb vein at 267.15m

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	306.8	325.22	Vcarb	±qtz	2	VQtz	±chl	1							

Structure:	From (m)	To (m)	Type	Intensity	CA Angle



Data Logger Print Logs ~ Geotechnical

DataSet: WJ_GF

Hole ID: SB10-10

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
5.33	6.1	0.77	0.77	100	0.1	12.99		28	28			
6.1	7.93	1.83	1.5	81.97	0.21	11.48		84	84			HQ CORE
7.93	10.06	2.13	1.77	83.1	0.38	17.84		81	81			REAL RECOVERY IS 1.34
10.06	11.58	1.52	1.41	92.76	0.2	13.16		52	52			
11.58	13.11	1.53	1.46	95.42	0.43	28.1		61	61			
13.11	14.33	1.22	1.09	89.34	0.11	9.02		47	47			
14.33	17.37	3.04	3.01	99.01	0.85	27.96		51	51			
17.37	20.12	2.75	2.82	102.55	0.81	29.45		64	64			
20.12	22.86	2.74	2.49	90.88	0.63	22.99		67	67			
22.86	25.91	3.05	3.01	98.69	1.45	47.54		60	60			
25.91	26.52	0.61	0.63	103.28	0.32	52.46		12	12			
26.52	28.96	2.44	2.46	100.82	0.22	9.02		80	80			
28.96	30.78	1.82	1.48	81.32	0.1	5.49		69	69			
30.78	32.31	1.53	1.46	95.42	0	0		71	71			
32.31	33.81	1.5	1.5	100	0.37	24.67		70	70			
33.81	35.05	1.24	0.94	75.81	0.47	37.9		21	21			Actual recovery .90m.
35.05	38.1	3.05	3.05	100	1.44	47.21		41	41			
38.1	39.93	1.83	1.9	103.83	1.49	81.42		17	17			
39.93	41.76	1.83	1.68	91.8	0.88	48.09		30	30			
41.76	44.81	3.05	3	98.36	1.8	59.02		40	40			
44.81	46.63	1.82	1.9	104.4	1.34	73.63		29	29			
46.63	49.68	3.05	3.05	100	1.66	54.43		45	45			
49.68	52.73	3.05	2.96	97.05	1.77	58.03		34	34			
52.73	53.95	1.22	1.12	91.8	0.82	67.21		8	8			
53.95	56.08	2.13	2.23	104.69	1.23	57.75		25	25			
56.08	59.13	3.05	2.87	94.1	1.53	50.16		66	66			
59.13	60.05	0.92	0.9	97.83	0.16	17.39		50	50			
60.05	63.09	3.04	3.03	99.67	2.07	68.09		45	45			
63.09	66.14	3.05	2.98	97.7	1.64	53.77		39	39			
66.14	67.97	1.83	1.85	101.09	0.77	42.08		48	48			
67.97	70.71	2.74	2.35	85.77	1.05	38.32		33	33			
70.71	72.24	1.53	1.73	113.07	1.41	92.16		12	12			
72.24	74.37	2.13	2.11	99.06	1.53	71.83		23	23			
74.37	77.42	3.05	2.96	97.05	2.44	80		30	30			
77.42	79.25	1.83	1.72	93.99	0.66	36.07		100	100			
79.25	81.38	2.13	1.86	87.32	0.71	33.33		61	61			
81.38	84.43	3.05	3.02	99.02	1.49	48.85		50	50			



Data Logger Print Logs ~ Geotechnical

Hole ID: **SB10-10**

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
84.43	87.17	2.74	2.63	95.99	1.17	42.7		100	100			
87.17	87.48	0.31	0.26	83.87	0.17	54.84		2	2			
87.48	90.53	3.05	2.87	94.1	1.47	48.2		105	105			
90.53	90.83	0.3	0.23	76.67	0	0		45	45			Actual recovery .15m.
90.83	92.05	1.22	1.24	101.64	0.46	37.7		55	55			
92.05	93.57	1.52	1.38	90.79	1.02	67.11		25	25			
93.57	96.01	2.44	2.24	91.8	1.07	43.85		55	55			
96.01	96.62	0.61	0.59	96.72	0.51	83.61		7	7			
96.62	99.67	3.05	2.9	95.08	1.04	34.1		43	43			
99.67	102.72	3.05	2.86	93.77	1.38	45.25		56	56			
102.72	103.94	1.22	1.25	102.46	0.36	29.51		45	45			.05m clay.
103.94	104.24	0.3	0.28	93.33	0	0		4	4			
104.24	104.85	0.61	0.54	88.52	0.18	29.51		35	35			
104.85	105.77	0.92	0.85	92.39	0.69	75		6	6			
105.77	108.81	3.04	2.92	96.05	2.02	66.45		34	34			
108.81	111.86	3.05	2.94	96.39	2.18	71.48		33	33			
111.86	114.91	3.05	3.03	99.34	2.34	76.72		27	27			
114.91	117.96	3.05	2.98	97.7	2.1	68.85		34	34			
117.96	121.01	3.05	2.95	96.72	1.37	44.92		85	85			
121.01	123.44	2.43	2.24	92.18	0.82	33.74		110	110			
123.44	126.49	3.05	2.93	96.07	2.06	67.54		60	60			
126.49	127.1	0.61	0.56	91.8	0.24	39.34		8	8			
127.1	130.15	3.05	2.96	97.05	1.74	57.05		38	38			
130.15	132.28	2.13	1.94	91.08	0.61	28.64		54	54			
132.28	133.2	0.92	0.93	101.09	0.56	60.87		20	20			
133.2	136.25	3.05	2.96	97.05	2.35	77.05		27	27			
136.25	139.29	3.04	3.02	99.34	2.03	66.78		25	25			
139.29	141.43	2.14	2.05	95.79	0.6	28.04		45	45			
141.43	142.34	0.91	0.85	93.41	0.62	68.13		12	12			
142.34	145.08	2.74	2.75	100.36	1.47	53.65		80	80			
145.08	148.13	3.05	2.82	92.46	1.71	56.07		85	85			
148.13	151.18	3.05	3.05	100	2.27	74.43		38	38			
151.18	154.23	3.05	3.05	100	2.15	70.49		50	50			
154.23	157.28	3.05	3.02	99.02	2.06	67.54		50	50			
157.28	160.32	3.04	3	98.68	1.09	35.86		53	53			
160.32	163.37	3.05	2.95	96.72	2.47	80.98		23	23			
163.37	163.68	0.31	0.3	96.77	0.15	48.39		3	3			
163.68	165.81	2.13	2.06	96.71	1.12	52.58		24	24			
165.81	168.55	2.74	2.69	98.18	1.97	71.9		21	21			



Data Logger Print Logs ~ Geotechnical

Hole ID: SB10-10

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
168.55	171.6	3.05	3.05	100	2.19	71.8		37	37			
171.6	174.65	3.05	3.05	100	2.04	66.89		46	46			
174.65	177.7	3.05	2.86	93.77	2.09	68.52		22	22			
177.7	180.75	3.05	3.02	99.02	1.85	60.66		34	34			
180.75	183.79	3.04	2.86	94.08	1.97	64.8		47	47			
183.79	184.1	0.31	0.3	96.77	0	0		10	10			
184.1	187.14	3.04	2.9	95.39	1.58	51.97		100	100			
187.14	189.28	2.14	1.97	92.06	0.75	35.05		65	65			
189.28	191.11	1.83	1.94	106.01	1.51	82.51		25	25			
191.11	194.16	3.05	2.85	93.44	1	32.79		95	95			
194.16	195.38	1.22	1.23	100.82	0.38	31.15		35	35			
195.38	196.9	1.52	1.37	90.13	0.99	65.13		19	19			
196.9	198.12	1.22	1.16	95.08	0.4	32.79		40	40			
198.12	198.42	0.3	0.3	100	0	0		32	32			
198.42	199.34	0.92	0.76	82.61	0	0		45	45			
199.34	199.95	0.61	0.56	91.8	0.23	37.7		17	17			
199.95	200.86	0.91	0.75	82.42	0.25	27.47		20	20			
200.86	201.78	0.92	0.93	101.09	0.14	15.22		50	50			
201.78	202.69	0.91	0.91	100	0.39	42.86		24	24			
202.69	205.74	3.05	2.96	97.05	1.78	58.36		50	50			
205.74	207.87	2.13	2.07	97.18	1.52	71.36		35	35			
207.87	208.79	0.92	0.85	92.39	0	0		16	16			
208.79	209.09	0.3	0.28	93.33	0	0		11	11			
209.09	209.4	0.31	0.25	80.65	0.17	54.84		4	4			
209.4	210.01	0.61	0.64	104.92	0.36	59.02		23	23			
210.01	211.84	1.83	1.43	78.14	0.54	29.51		45	45			
211.84	213.66	1.82	1.74	95.6	0.95	52.2		17	17			
213.66	215.49	1.83	1.71	93.44	1.33	72.68		14	14			
215.49	217.93	2.44	2.65	108.61	1.56	63.93		36	36			
217.93	218.54	0.61	0.54	88.52	0.1	16.39		23	23			
218.54	220.68	2.14	2.08	97.2	0.88	41.12		60	60			
220.68	223.72	3.04	2.87	94.41	1.39	45.72		48	48			
223.72	226.77	3.05	2.96	97.05	1.39	45.57		100	100			
226.77	229.82	3.05	2.85	93.44	1.65	54.1		47	47			
229.82	231.34	1.52	1.53	100.66	0.42	27.63		40	40			
231.34	232.87	1.53	1.42	92.81	0.92	60.13		14	14			
232.87	235.92	3.05	2.97	97.38	2.11	69.18		31	31			
235.92	238.96	3.04	2.77	91.12	0.9	29.61		60	60			
238.96	242.01	3.05	2.67	87.54	1.02	33.44		90	90			.05m clay.



Data Logger Print Logs ~ Geotechnical

Hole ID: **SB10-10**

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
242.01	245.06	3.05	3.26	106.89	2	65.57		31	31			
245.06	245.36	0.3	0.35	116.67	0.1	33.33		6	6			
245.36	248.41	3.05	3.04	99.67	1.78	58.36		60	60			
248.41	251.46	3.05	2.73	89.51	0.64	20.98		150	150			.03m clay.
251.46	254.51	3.05	3.03	99.34	0.59	19.34		10	10			.07m clay
254.51	255.12	0.61	0.6	98.36	0.14	22.95		16	16			
255.12	256.34	1.22	1.1	90.16	0.79	64.75		10	10			
256.34	258.17	1.83	1.9	103.83	1.67	91.26		10	10			
258.17	261.21	3.04	3.04	100	2.43	79.93		16	16			
261.21	264.26	3.05	3.06	100.33	2.54	83.28		18	18			Clay in fractures.
264.26	267.31	3.05	3.01	98.69	2.21	72.46		25	25			.05m clay
267.31	270.36	3.05	3.08	100.98	2.16	70.82		33	33			.07m clay
270.36	273.41	3.05	3	98.36	1.3	42.62		40	40			.54m clay with rock fragments.
273.41	276.45	3.04	3.04	100	2.58	84.87		17	17			
276.45	279.5	3.05	3.09	101.31	2.32	76.07		21	21			
279.5	282.55	3.05	2.93	96.07	2.27	74.43		33	33			
282.55	285.6	3.05	3.05	100	2.54	83.28		30	30			
285.6	288.65	3.05	3.06	100.33	0.75	24.59		99	99			plusw clay
288.65	291.69	3.04	3.03	99.67	0.36	11.84		144	144			plus clay
291.69	294.74	3.05	3.01	98.69	0.54	17.7		62	62			plus clay
294.74	297.79	3.05	3.02	99.02	0.61	20		99	99			plus clay
297.79	300.84	3.05	3.02	99.02	1.21	39.67		37	37			
300.84	303.89	3.05	3	98.36	1.74	57.05		39	39			
303.89	306.93	3.04	3.04	100	1.7	55.92		31	31			
306.93	309.98	3.05	3.04	99.67	1.56	51.15		24	24			
309.98	313.03	3.05	3.06	100.33	1.33	43.61		27	27			
313.03	316.08	3.05	3.03	99.34	1.86	60.98		42	42			
316.08	319.13	3.05	3.05	100	1.05	34.43		60	60			
319.13	322.17	3.04	3.09	101.64	1.67	54.93		21	21			
322.17	325.22	3.05	3.04	99.67	2.21	72.46		20	20			EOH



Data Logger Print Logs ~ Mag Susceptibility

DataSet: WJ_GF

Hole ID: SB10-10

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
5.33	8	2.67	30.15	42.48	49.73	40.787		EC	24/05/2010	
8	11	3	21.52	20.44	53.54	31.833		EC	24/05/2010	
11	14	3	33.23	37.58	3.03	24.613		EC	24/05/2010	
14	17	3	0.45	2.07	51.67	18.063		EC	24/05/2010	
17	20	3	37.89	0.6	0.96	13.15		EC	24/05/2010	
20	23	3	1.39	1.7	31.33	11.473		EC	24/05/2010	
23	26	3	1.13	0.6	1.14	0.957		EC	24/05/2010	
26	29	3	1.25	53.44	46.41	33.7		EC	24/05/2010	
29	32	3	40.19	59.39	48.15	49.243		EC	24/05/2010	
32	35	3	38.35	52.19	57.31	49.283		JM	25/05/2010	
35	38	3	46.35	43.21	57.16	48.907		JM	25/05/2010	
38	41	3	35.8	55.6	50.28	47.227		JM	25/05/2010	
41	44	3	47.56	38.2	53.98	46.58		JM	25/05/2010	
44	47	3	44.3	36.11	46.03	42.147		JM	25/05/2010	
47	50	3	40.92	30.5	52.09	41.17		JM	25/05/2010	
50	53	3	36.09	46.89	52.99	45.323		JM	25/05/2010	
53	56	3	50.99	51.84	17.76	40.197		JM	25/05/2010	
56	59	3	36.83	46.07	19.24	34.047		JM	25/05/2010	
59	62	3	39.13	1.431	35.89	25.484		JM	25/05/2010	
62	65	3	2.051	12.83	2.053	5.645		JM	25/05/2010	
65	68	3	33.64	46.52	48.88	43.013		JM	25/05/2010	
68	71	3	2.105	0.471	0.609	1.062		JM	25/05/2010	
71	74	3	0.451	1.105	0.396	0.651		JM	25/05/2010	
74	77	3	0.731	0.373	0.373	0.492		JM	25/05/2010	
77	80	3	0.333	0.943	1.017	0.764		JM	25/05/2010	
80	83	3	24.92	0.919	1.159	8.999		JM	25/05/2010	
83	86	3	0.32	0.663	0.172	0.385		JM	25/05/2010	
86	89	3	1.795	1.471	56.64	19.969		JM	25/05/2010	
89	92	3	1.109	0.428	24.12	8.552		JM	25/05/2010	
92	95	3	1.465	0.317	0.714	0.832		JM	25/05/2010	
95	98	3	0.303	0.526	0.286	0.372		JM	25/05/2010	
98	101	3	0.213	0.484	0.329	0.342		JM	25/05/2010	
101	104	3	0.293	0.281	0.822	0.465		JM	25/05/2010	
104	107	3	0.572	0.535	0.391	0.499		JM	25/05/2010	
107	110	3	0.34	0.303	0.49	0.378		JM	25/05/2010	
110	113	3	1.165	1.222	0.368	0.918		JM	25/05/2010	
113	116	3	0.48	0.388	0.764	0.544		JM	25/05/2010	



Data Logger Print Logs ~ Mag Susceptibility

Hole ID: SB10-10

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
116	119	3	1.748	1.259	0.227	1.078		JM	25/05/2010	
119	122	3	0.287	0.388	1.308	0.661		JM	25/05/2010	
122	125	3	0.824	0.703	0.382	0.636		JM	25/05/2010	
125	128	3	0.27	0.716	0.739	0.575		JM	25/05/2010	
128	131	3	1.461	0.6	1.142	1.068		JM	25/05/2010	
131	134	3	0.427	0.757	1.352	0.845		JM	25/05/2010	
134	137	3	1.046	1.192	0.91	1.049		JM	25/05/2010	
137	140	3	34.18	44.59	11.22	29.997		JM	26/05/2010	
140	143	3	52.15	3.502	1.352	19.001		JM	26/05/2010	
143	146	3	1.545	3.859	0.896	2.1		JM	26/05/2010	
146	149	3	0.917	0.336	45.99	15.748		JM	26/05/2010	
149	152	3	61.11	7	2.96	23.69		JM	26/05/2010	
152	155	3	0.592	1.262	58.09	19.981		JM	26/05/2010	
155	158	3	3.016	54.08	62.71	39.935		JM	26/05/2010	
158	161	3	62.8	64.24	0.745	42.595		JM	26/05/2010	
161	164	3	0.774	3.443	2.933	2.383		JM	26/05/2010	
164	167	3	27.91	68.47	68.21	54.863		JM	26/05/2010	
167	170	3	25.88	51.02	1.539	26.146		JM	26/05/2010	
170	173	3	1.717	47.79	2.304	17.27		JM	26/05/2010	
173	176	3	38.8	8.574	28.33	25.235		JM	26/05/2010	
176	179	3	2.331	2.414	58.77	21.172		JM	26/05/2010	
179	182	3	60.84	5.234	1.296	22.457		JM	26/05/2010	
182	185	3	38.95	0.571	1.299	13.607		JM	26/05/2010	
185	188	3	0.446	0.165	0.161	0.257		JM	26/05/2010	
188	191	3	0.06	0.247	0.953	0.42		JM	26/05/2010	
191	194	3	0.436	0.294	1.528	0.753		JM	26/05/2010	
194	197	3	1.768	52.92	58.66	37.783		JM	26/05/2010	
197	200	3	59.87	41.48	58.38	53.243		JM	26/05/2010	
200	203	3	52.64	53.41	56.81	54.287		JM	26/05/2010	
203	206	3	57.74	1.191	0.353	19.761		JM	26/05/2010	
206	209	3	0.833	0.514	0.526	0.624		JM	26/05/2010	
209	212	3	0.963	2.068	0.503	1.178		JM	26/05/2010	
212	215	3	0.8	0.496	0.555	0.617		JM	26/05/2010	
215	218	3	1.223	1.186	0.503	0.971		JM	27/05/2010	
218	221	3	0.333	0.847	0.466	0.549		JM	27/05/2010	
221	224	3	0.518	0.716	0.64	0.625		JM	27/05/2010	
224	227	3	0.244	0.612	0.753	0.536		JM	27/05/2010	
227	230	3	1.193	0.639	0.179	0.67		JM	27/05/2010	
230	233	3	0.367	0.343	47.43	16.047		JM	27/05/2010	



Data Logger Print Logs ~ Mag Susceptibility

Hole ID: **SB10-10**

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
233	236	3	0.643	0.297	1.2	0.713		JM	27/05/2010	
236	239	3	0.437	1.189	0.734	0.787		JM	27/05/2010	
239	242	3	0.726	0.411	0.181	0.439		JM	27/05/2010	
242	245	3	1.282	0.74	0.663	0.895		JM	27/05/2010	
245	248	3	0.528	0.314	0.302	0.381		JM	27/05/2010	
248	251	3	0.46	1.476	0.673	0.87		JM	27/05/2010	
251	254	3	0.334	0.498	0.596	0.476		JM	27/05/2010	
254	257	3	0.349	1.608	0.157	0.705		JM	27/05/2010	
257	260	3	0.201	0.179	0.201	0.194		JM	27/05/2010	
260	263	3	0.436	0.989	0.169	0.531		JM	27/05/2010	
263	266	3	0.259	0.531	0.46	0.417		JM	27/05/2010	
266	269	3	0.582	0.14	0.897	0.54		JM	27/05/2010	
269	272	3	0.2	0.438	0.427	0.355		JM	27/05/2010	
272	275	3	0.339	0.222	0.206	0.256		JM	27/05/2010	
275	278	3	0.249	0.28	0.234	0.254		JM	27/05/2010	
278	281	3	0.167	0.12	0.154	0.147		JM	27/05/2010	
281	284	3	0.194	0.466	0.139	0.266		JM	27/05/2010	
284	287	3	0.12	0.221	0.157	0.166		JM	27/05/2010	
287	290	3	0.2	0.4	0.8	0.467		EC	28/05/2010	
290	293	3	0.25	0.14	0.5	0.297		EC	28/05/2010	
293	296	3	0.35	0.31	0.41	0.357		EC	28/05/2010	
296	299	3	0.21	0.17	0.26	0.213		EC	28/05/2010	
299	302	3	0.39	0.29	0.26	0.313		EC	28/05/2010	
302	305	3	0.12	0.15	0.21	0.16		EC	28/05/2010	
305	308	3	0.23	0.13	0.26	0.207		EC	28/05/2010	
308	311	3	0.31	0.2	0.54	0.35		EC	28/05/2010	
311	314	3	0.18	0.16	0.32	0.22		EC	28/05/2010	
314	317	3	0.27	0.36	0.37	0.333		EC	28/05/2010	
317	320	3	0.36	0.22	0.35	0.31		EC	28/05/2010	
320	323	3	0.6	0.2	1.09	0.63		EC	28/05/2010	
323	325.22	2.22	0.26	0.25	0.31	0.273		EC	28/05/2010	EOH



Data Logger Print Logs ~ DH Samples

DataSet: WJ_GF

Hole ID: SB10-10

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
5.33	7	205739	HC	TS	<input type="checkbox"/>	
7	9.3	205741	HC	TS	<input type="checkbox"/>	
9.3	11	205742	HC	TS	<input type="checkbox"/>	
11	13	205743	HC	TS	<input type="checkbox"/>	
13	15	205744	HC	TS	<input type="checkbox"/>	
15	17	205745	HC	TS	<input type="checkbox"/>	
17	19	205746	HC	TS	<input checked="" type="checkbox"/>	
19	21	205747	HC	TS	<input type="checkbox"/>	
21	23	205748	HC	TS	<input type="checkbox"/>	
23	25	205749	HC	TS	<input type="checkbox"/>	
25	27	205751	HC	TS	<input type="checkbox"/>	
27	29	205752	HC	TS	<input type="checkbox"/>	
29	31	205753	HC	TS	<input type="checkbox"/>	
31	33	205754	HC	TS	<input checked="" type="checkbox"/>	
33	35	205755	HC	TS	<input type="checkbox"/>	
35	37	205756	HC	TS	<input type="checkbox"/>	
37	39	205757	HC	TS	<input type="checkbox"/>	
39	41	205758	HC	TS	<input type="checkbox"/>	
41	43	205759	HC	TS	<input type="checkbox"/>	
43	45	205761	HC	TS	<input type="checkbox"/>	
45	47	205762	HC	TS	<input type="checkbox"/>	
47	49	205763	HC	TS	<input type="checkbox"/>	
49	51	205764	HC	TS	<input type="checkbox"/>	
51	53	205765	HC	TS	<input type="checkbox"/>	
53	55	205766	HC	TS	<input type="checkbox"/>	
55	57	205767	HC	TS	<input type="checkbox"/>	
57	59	205768	HC	TS	<input type="checkbox"/>	
59	61	205769	HC	TS	<input type="checkbox"/>	
61	63	205771	HC	TS	<input type="checkbox"/>	
63	65	205772	HC	TS	<input type="checkbox"/>	
65	67	205773	HC	TS	<input type="checkbox"/>	
67	68.16	205774	HC	TS	<input checked="" type="checkbox"/>	
68.16	71	205775	HC	TS	<input type="checkbox"/>	
71	74	205776	HC	TS	<input type="checkbox"/>	
74	77	205777	HC	TS	<input type="checkbox"/>	
77	80	205778	HC	TS	<input type="checkbox"/>	
80	82.5	205779	HC	TS	<input type="checkbox"/>	



Data Logger Print Logs ~ DH Samples

Hole ID: **SB10-10**

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
82.5	85	205781	HC	TS	<input type="checkbox"/>	
85	87	205782	HC	TS	<input checked="" type="checkbox"/>	
87	89	205783	HC	TS	<input type="checkbox"/>	
89	92	205784	HC	TS	<input type="checkbox"/>	
92	95	205785	HC	TS	<input type="checkbox"/>	
95	98	205786	HC	TS	<input type="checkbox"/>	
98	101	205787	HC	TS	<input type="checkbox"/>	
101	104	205788	HC	TS	<input type="checkbox"/>	
104	107	205789	HC	TS	<input type="checkbox"/>	
107	110	205791	HC	TS	<input type="checkbox"/>	
110	113	205792	HC	TS	<input type="checkbox"/>	
113	116	205793	HC	TS	<input type="checkbox"/>	
116	119	205794	HC	TS	<input type="checkbox"/>	
119	122	205795	HC	TS	<input type="checkbox"/>	
122	125	205796	HC	TS	<input type="checkbox"/>	
125	128	205797	HC	TS	<input type="checkbox"/>	
128	131	205798	HC	TS	<input type="checkbox"/>	
131	134	205799	HC	TS	<input type="checkbox"/>	
134	137.34	205801	HC	TS	<input type="checkbox"/>	
137.34	139	205802	HC	TS	<input type="checkbox"/>	
139	141.18	205803	HC	TS	<input type="checkbox"/>	
141.18	144	205804	HC	TS	<input type="checkbox"/>	
144	147	205805	HC	TS	<input type="checkbox"/>	
147	148.3	205806	HC	TS	<input type="checkbox"/>	
148.3	150.94	205807	HC	TS	<input type="checkbox"/>	
150.94	154	205808	HC	TS	<input type="checkbox"/>	
154	156.27	205809	HC	TS	<input type="checkbox"/>	
156.27	158	205811	HC	TS	<input type="checkbox"/>	
158	159.82	205812	HC	TS	<input type="checkbox"/>	
159.82	162	205813	HC	TS	<input type="checkbox"/>	
162	164.59	205814	HC	TS	<input type="checkbox"/>	
164.59	166	205815	HC	TS	<input type="checkbox"/>	
166	168	205816	HC	TS	<input type="checkbox"/>	
168	170.4	205817	HC	TS	<input type="checkbox"/>	
170.4	173	205818	HC	TS	<input checked="" type="checkbox"/>	
173	176	205819	HC	TS	<input type="checkbox"/>	
176	179	205821	HC	TS	<input type="checkbox"/>	
179	182	205822	HC	TS	<input type="checkbox"/>	
182	185	205823	HC	TS	<input type="checkbox"/>	



Data Logger Print Logs ~ DH Samples

Hole ID: **SB10-10**

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
185	188	205824	HC	TS	<input type="checkbox"/>	
188	191	205825	HC	TS	<input type="checkbox"/>	
191	194.5	205826	HC	TS	<input type="checkbox"/>	
194.5	197.5	205827	HC	TS	<input type="checkbox"/>	
197.5	200.5	205828	HC	TS	<input type="checkbox"/>	
200.5	204	205829	HC	TS	<input type="checkbox"/>	
204	207	205831	HC	TS	<input type="checkbox"/>	
207	210	205832	HC	TS	<input type="checkbox"/>	
210	213	205833	HC	TS	<input type="checkbox"/>	
213	216	205834	HC	TS	<input type="checkbox"/>	
216	219	205835	HC	TS	<input type="checkbox"/>	
219	222	205836	HC	TS	<input type="checkbox"/>	
222	225	205837	HC	TS	<input type="checkbox"/>	
225	228	205838	HC	TS	<input type="checkbox"/>	
228	231	205839	HC	TS	<input type="checkbox"/>	
231	234	205841	HC	TS	<input type="checkbox"/>	
234	237	205842	HC	TS	<input type="checkbox"/>	
237	240	205843	HC	TS	<input type="checkbox"/>	
240	243	205844	HC	TS	<input type="checkbox"/>	
243	246	205845	HC	TS	<input type="checkbox"/>	
246	248.66	205846	HC	TS	<input type="checkbox"/>	
248.66	251	205847	HC	TS	<input type="checkbox"/>	
251	254	205848	HC	TS	<input type="checkbox"/>	
254	257	205849	HC	TS	<input type="checkbox"/>	
257	260	205851	HC	TS	<input type="checkbox"/>	
260	263	205852	HC	TS	<input type="checkbox"/>	
263	266	205853	HC	TS	<input type="checkbox"/>	
266	269	205854	HC	TS	<input checked="" type="checkbox"/>	
269	272	205855	HC	TS	<input type="checkbox"/>	
272	275	205856	HC	TS	<input type="checkbox"/>	
275	278	205857	HC	TS	<input type="checkbox"/>	
278	281	205858	HC	TS	<input type="checkbox"/>	
281	284	205859	HC	TS	<input type="checkbox"/>	
284	287	205861	HC	TS	<input type="checkbox"/>	
287	290	205862	HC	TS	<input type="checkbox"/>	
290	293	205863	HC	TS	<input type="checkbox"/>	
293	296	205864	HC	TS	<input type="checkbox"/>	
296	299	205865	HC	TS	<input type="checkbox"/>	
299	301	205866	HC	TS	<input type="checkbox"/>	



Data Logger Print Logs ~ DH Samples

Hole ID: **SB10-10**

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
301	303.79	205867	HC	TS	<input type="checkbox"/>	
303.79	306	205868	HC	TS	<input type="checkbox"/>	
306	309	205869	HC	TS	<input type="checkbox"/>	
309	312	205871	HC	TS	<input type="checkbox"/>	
312	315	205872	HC	TS	<input type="checkbox"/>	
315	318	205873	HC	TS	<input type="checkbox"/>	
318	321	205874	HC	TS	<input type="checkbox"/>	
321	324	205875	HC	TS	<input type="checkbox"/>	
324	325.22	205876	HC	TS	<input type="checkbox"/>	EOH



Data Logger Print Logs ~ Collars

DataSet: WJ_GF

Depth (m)	Hole Type	Core Diameter	Grid ID	East	North	Elevation	Survey Method	Survey Date	Survey By	Date Started	Date Completed	Logged By	Prospect	Validated By
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Hole: SB10-11

193.55 m	DD	NQ	UTM10N_NAD83	612876.92	5789726.09	1036	DGPS	06/06/2010	TS	27/05/2010	30/05/2010	BL	Spellbound	
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to test coincidental geochem and weak IP anomaly, minor cp-bor found on fractures at depth



Data Logger Print Logs ~ DH Surveys

DataSet: WJ_GF

Hole ID: SB10-11

Depth (m)	Survey Method	Grid ID	Dip	Orig Azimuth	EZ Shot Azimuth	Magnetic Declination	Date Surveyed	Survey Instrument	Comments
0	COLL	UTM10N_NAD83	-60	90		18	01/06/2010	EST	
16	EZ Shot	UTM10N_NAD83	-59.2	90	65	18	01/06/2010	EZ	
105	EZ Shot	UTM10N_NAD83	-58.7	90	67	18	01/06/2010	EZ	
193	EZ Shot	UTM10N_NAD83	-58.1	90	69.3	18	30/05/2010	EZ	



DataSet: WJ_GF

Hole ID: SB10-11

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	0	11.6	Overburden	Overburden (OB)	

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
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Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
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Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
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Structure:	From (m)	To (m)	Type	Intensity	CA Angle
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	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	11.6	48.4	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	silicified qz-monz, relic ser alt phenos, 15% sub metre sections of ksp altered plag-hb porph qz monz

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
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11.6	48.4	Sil	OvPrnt	S	Pot_Ksp	Primary	M								silica alteration obscures phenos with ser alt of mafics? 1% weak epid patches to 3cm. 15% Sub metre patches of mod ksp alt
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Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
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11.6	48.4	UnMin	0												unmineralized,
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Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
-----------------	----------	--------	--------	------------	----------	--------	------------	----------	--------	------------	----------	--------	------------	----------	----------

Structure:	From (m)	To (m)	Type	Intensity	CA Angle
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27.5	30.5	FR	M	10										
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	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	48.4	51	Felsic Dyke	Aplite Dyke (Fdyk)	orange aplitic dyke



DataSet: WJ_GF

Hole ID: SB10-11

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	48.4	51	Phyl	Primary	M										weak-moderate ser-clay alt

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	48.4	51	UnMin	0											

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	48.4	51	Vcarb	±carb	3										

Structure:	From (m)	To (m)	Type	Intensity	CA Angle

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	51	132.6	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	plag hb porph

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	51	68.6	Sil	OvPrnt	S	Pot_Ksp	Primary	M							~40% patchy silicification to 4m Ksp as pink matrix replacement, bio/chl replaced mafics, diss mag ksp in matrix, bio/chl alt mafics, diss mag silicified overprint with weak patchy ksp, clr on fractures
	68.6	88.1	Pot_Ksp	Primary	M										
	88.1	132.6	Sil	OvPrnt	S	Pot_Ksp	Primary	W							

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	51	68.6	UnMin	0											
	68.6	88.1													
	88.1	132.6													

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments

Structure:	From (m)	To (m)	Type	Intensity	CA Angle

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	132.6	136.4	Felsic Dyke	Aplite Dyke (Fdyk)	strong silica hanging waall, with 5cm clay gouge at lower contact



DataSet: WJ_GF

Hole ID: SB10-11

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	132.6	136.4	Pot_Ksp	Primary	M										orange aplitic dyke

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	132.6	136.4	Bor	0.1	FRA	Cpy	0.1	FRA							single fracture at 45 to CA with bornite-cp

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments
	132.6	136.4	Vcarb	±carb	0.5										

Structure:	From (m)	To (m)	Type	Intensity	CA Angle

	From (m)	To (m)	GF Lith	Local Lith	Description
LITHO	136.4	193.55	Porphyritic Quartz monzonite	Takomkane Quartz Monzonite (IPMOQ)	weak ksp alt matrix, chl +/- bio alt mafics, local 10% +/-1m silicified zones, alt patches have very sharp margins at 35-40 to CA

Alteration:	From (m)	To (m)	Alt 1 Code	Alt 1 Interp	Alt 1 Int	Alt 2 Code	Alt 2 Interp	Alt 2 Int	Alt 3 Code	Alt 3 Interp	Alt 3 Int	Alt 4 Code	Alt 4 Interp	Alt 4 Int	Comments
	136.4	193.55	Pot_Ksp	Primary	W	Sil	OvPrnt	M							10% patchy 1-3m overprint of silica flooded matrix, ser alt mafic phenos and 2cm patches of epid. Alt patches have very sharp margins at 35-40 to CA

Minerals:	From (m)	To (m)	Min 1 Code	Min 1 %	Min 1 Style	Min 2 Code	Min 2 %	Min 2 Style	Min 3 Code	Min 3 %	Min 3 Style	Min 4 Code	Min 4 %	Min 4 Style	Comments
	136.4	162	UnMin	0											
	162	174	Bor	0.1	FRA	Cpy	0.1	FRA							rare to trace bor-cp on fractures
	174	193.55	UnMin	0											

Veining:	From (m)	To (m)	Vein 1	Vein 1 Mod	Vein 1 %	Vein 2	Vein 2 Mod	Vein 2 %	Vein 3	Vein 3 Mod	Vein 3 %	Vein 4	Vein 4 Mod	Vein 4 %	Comments

Structure:	From (m)	To (m)	Type	Intensity	CA Angle



Data Logger Print Logs ~ Geotechnical

DataSet: WJ_GF

Hole ID: SB10-11

From (m)	To (m)	Interval Length	Recov. (m)	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
4.57	6.1	1.53	1.25	81.7	0	0		200	200			REAL RECOVERY IS 0.56 ALMOST ALL CLAY PLUS CLAY ALMOST ALL CLAY PLUS CLAY PLUS CLAY PLUS CLAY
6.1	9.14	3.04	2.73	89.8	0	0		500	500			
9.14	11.49	2.35	2.12	90.21	0	0		250	250			
11.49	12.19	0.7	0.7	100	0	0		150	150			
12.19	15.24	3.05	2.65	86.89	1.03	33.77		95	95			
15.24	16.76	1.52	1.5	98.68	0.49	32.24		30	30			
16.76	19.81	3.05	2.82	92.46	1.28	41.97		45	45			
19.81	21.95	2.14	2.41	112.62	1.06	49.53		35	35			
21.95	24.99	3.04	2.89	95.07	1.48	48.68		64	64			
24.99	27.43	2.44	2.3	94.26	1.32	54.1		25	25			
27.43	28.96	1.53	1.53	100	0.56	36.6		36	36			
28.96	30.48	1.52	1.58	103.95	0.14	9.21		128	128			
30.48	32	1.52	1.38	90.79	0.43	28.29		42	42			
32	34.14	2.14	2.11	98.6	0.73	34.11		43	43			
34.14	35.05	0.91	0.93	102.2	0.45	49.45		14	14			
35.05	36.88	1.83	1.57	85.79	0.58	31.69		33	33			core has been redrilled so the diameter is smaller than the regular nq
36.88	38.1	1.22	1.25	102.46	0.32	26.23		110	110			
38.1	40.84	2.74	2.57	93.8	1.35	49.27		32	32			
40.84	42.67	1.83	1.92	104.92	1.06	57.92		29	29			
42.67	44.2	1.53	1.47	96.08	0.71	46.41		35	35			
44.2	46.33	2.13	2.02	94.84	1.25	58.69		17	17			
46.33	46.94	0.61	0.71	116.39	0.33	54.1		16	16			
46.94	49.07	2.13	2.16	101.41	0.68	31.92		61	61			
49.07	52.12	3.05	3.06	100.33	1.09	35.74		69	69			
52.12	54.25	2.13	2	93.9	0.72	33.8		34	34			
54.25	56.39	2.14	2.17	101.4	1.34	62.62		21	21			
56.39	58.83	2.44	2.49	102.05	1.31	53.69		41	41			
58.83	60.96	2.13	1.97	92.49	1.22	57.28		24	24			
60.96	62.18	1.22	1.08	88.52	0.22	18.03		29	29			
62.18	62.48	0.3	0.31	103.33	0	0		16	16			
62.48	63.7	1.22	1.11	90.98	0.15	12.3		22	22			
63.7	65.53	1.83	1.83	100	0.82	44.81		46	46			
65.53	68.58	3.05	3.02	99.02	1.4	45.9		46	46			
68.58	70.41	1.83	2.1	114.75	0.43	23.5		29	29			
70.41	71.63	1.22	1.02	83.61	0.53	43.44		13	13			
71.63	74.68	3.05	3.03	99.34	1.65	54.1		29	29			



Data Logger Print Logs ~ Geotechnical

Hole ID: **SB10-11**

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
74.68	77.72	3.04	2.96	97.37	1.73	56.91		33	33			
77.72	80.77	3.05	3.03	99.34	1.58	51.8		44	44			
80.77	82.6	1.83	2.11	115.3	1.07	58.47		37	37			
82.6	83.82	1.22	1	81.97	0.31	25.41		17	17			
83.82	86.87	3.05	3.11	101.97	2.33	76.39		22	22			
86.87	88.7	1.83	1.73	94.54	0.93	50.82		28	28			
88.7	89.92	1.22	1.29	105.74	0.49	40.16		20	20			
89.92	92.05	2.13	2.09	98.12	0.74	34.74		43	43			
92.05	92.96	0.91	0.94	103.3	0.4	43.96		19	19			
92.96	94.79	1.83	1.83	100	0.4	21.86		35	35			
94.79	96.01	1.22	1.12	91.8	0.53	43.44		16	16			
96.01	97.54	1.53	1.69	110.46	0.84	54.9		18	18			
97.54	99.06	1.52	1.4	92.11	0.46	30.26		25	25			
99.06	100.89	1.83	1.56	85.25	0.73	39.89		29	29			
100.89	102.11	1.22	1.41	115.57	0.52	42.62		33	33			
102.11	102.72	0.61	0.51	83.61	0.11	18.03		27	27			
102.72	103.63	0.91	0.95	104.4	0.2	21.98		42	42			
103.63	105.16	1.53	1.36	88.89	0.45	29.41		44	44			
105.16	107.59	2.43	2.36	97.12	0.94	38.68		35	35			
107.59	110.34	2.75	2.7	98.18	1.26	45.82		77	77			
110.34	111.25	0.91	1.04	114.29	0.11	12.09		85	85			
111.25	113.08	1.83	1.52	83.06	0.1	5.46		93	93			plus clay
113.08	114.6	1.52	1.4	92.11	0.51	33.55		59	59			
114.6	117.35	2.75	2.61	94.91	1.83	66.55		47	47			
117.35	119.79	2.44	2.55	104.51	1.75	71.72		26	26			
119.79	122.83	3.04	2.85	93.75	1.65	54.28		44	44			
122.83	125.27	2.44	2.45	100.41	1.36	55.74		24	24			
125.27	127.41	2.14	2.24	104.67	1.08	50.47		28	28			
127.41	129.54	2.13	2.02	94.84	0.75	35.21		36	36			
129.54	130.76	1.22	1.26	103.28	0.24	19.67		58	58			
130.76	131.98	1.22	1.32	108.2	0.21	17.21		64	64			
131.98	134.11	2.13	2	93.9	0.65	30.52		31	31			
134.11	135.33	1.22	1.26	103.28	0.25	20.49		51	51			
135.33	138.38	3.05	3.06	100.33	1.51	49.51		54	54			plus clay
138.38	140.51	2.13	1.84	86.38	0.35	16.43		57	57			
140.51	143.56	3.05	3.01	98.69	1.29	42.3		67	67			
143.56	146.61	3.05	3.08	100.98	2.01	65.9		28	28			
146.61	149.35	2.74	2.51	91.61	1.26	45.99		43	43			
149.35	150.88	1.53	1.51	98.69	0.94	61.44		22	22			



Data Logger Print Logs ~ Geotechnical

Hole ID: **SB10-11**

From (m)	To (m)	Interval Length	Recov. (m).	Recov. %	RQD (m)	RQD %	Matrix Type	Num Fracts.	Fract Freq / m	Strength	Material Description	Comments
150.88	152.4	1.52	1.59	104.61	0.24	15.79		38	38			
152.4	153.92	1.52	1.34	88.16	0.23	15.13		43	43			
153.92	156.06	2.14	2.14	100	0.64	29.91		54	54			
156.06	156.97	0.91	0.81	89.01	0.1	10.99		13	13			
156.97	159.11	2.14	2.38	111.21	1.18	55.14		47	47			
159.11	160.02	0.91	0.7	76.92	0.19	20.88		18	18			real recovery is 0.58
160.02	161.85	1.83	1.79	97.81	0.37	20.22		32	32			
161.85	163.07	1.22	1.29	105.74	0.58	47.54		14	14			
163.07	165.2	2.13	2.17	101.88	0.84	39.44		45	45			
165.2	166.12	0.92	0.77	83.7	0.28	30.43		20	20			
166.12	169.16	3.04	3.02	99.34	1.91	62.83		37	37			
169.16	171.6	2.44	2.51	102.87	1.96	80.33		39	39			
171.6	172.21	0.61	0.5	81.97	0.19	31.15		5	5			real recovery is 0.44
172.21	175.26	3.05	3.07	100.66	2.15	70.49		29	29			
175.26	178.31	3.05	2.99	98.03	2.54	83.28		28	28			
178.31	181.36	3.05	3.08	100.98	2.26	74.1		28	28			
181.36	184.4	3.04	3.04	100	1.23	40.46		33	33			
184.4	187.45	3.05	3.06	100.33	2.05	67.21		31	31			
187.45	189.89	2.44	2.44	100	0.67	27.46		64	64			
189.89	190.5	0.61	0.6	98.36	0	0		18	18			real recovery is 0.37
190.5	192.33	1.83	1.71	93.44	0.29	15.85		99	99			
192.33	193.55	1.22	1.08	88.52	0.32	26.23		18	18			EOH



Data Logger Print Logs ~ Mag Susceptibility

DataSet: WJ_GF

Hole ID: SB10-11

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
4.57	7	2.43	14.26	11.18	7.29	10.91		EC	28/05/2010	
7	10	3	9.21	10.25	6.53	8.663		EC	28/05/2010	
10	13	3	7.39	2.2	0.5	3.363		EC	28/05/2010	
13	16	3	0.18	0.22	0.3	0.233		EC	28/05/2010	
16	19	3	0.25	0.17	0.14	0.187		EC	29/05/2010	
19	22	3	0.21	0.62	0.3	0.377		EC	29/05/2010	
22	25	3	0.19	0.85	0.21	0.417		EC	29/05/2010	
25	28	3	0.52	0.39	0.13	0.347		EC	29/05/2010	
28	31	3	0.83	0.15	0.05	0.343		EC	29/05/2010	
31	34	3	0.59	0.19	37.23	12.67		EC	29/05/2010	
34	37	3	0.74	16.6	0.42	5.92		EC	29/05/2010	
37	40	3	0.52	0.17	0.26	0.317		EC	29/05/2010	
40	43	3	0.63	0.74	0.51	0.627		EC	29/05/2010	
43	46	3	0.61	0.24	0.92	0.59		EC	29/05/2010	
46	49	3	0.69	0.35	0.98	0.673		EC	29/05/2010	
49	52	3	0.04	0.03	1	0.357		EC	29/05/2010	
52	55	3	1.12	24.13	61.7	28.983		EC	29/05/2010	
55	58	3	45.94	2.11	1.64	16.563		EC	29/05/2010	
58	61	3	7.62	68.48	1.13	25.743		EC	29/05/2010	
61	64	3	0.71	0.82	3.43	1.653		EC	29/05/2010	
64	67	3	1.66	0.67	0.65	0.993		EC	29/05/2010	
67	70	3	1.12	0.98	43.58	15.227		EC	29/05/2010	
70	73	3	64.5	50.72	57.36	57.527		EC	29/05/2010	
73	76	3	31.31	23.44	29.78	28.177		EC	29/05/2010	
76	79	3	0.93	1.45	0.62	1		EC	29/05/2010	
79	82	3	1.02	61.39	3.07	21.827		EC	29/05/2010	
82	85	3	44.38	60.66	57.66	54.233		EC	29/05/2010	
85	88	3	60	61.33	67.33	62.887		EC	29/05/2010	
88	91	3	2.01	0.63	3.95	2.197		EC	29/05/2010	
91	94	3	35.43	2.08	0.17	12.56		EC	29/05/2010	
94	97	3	0.7	0.31	0.41	0.473		EC	29/05/2010	
97	100	3	0.87	0.51	0.66	0.68		EC	29/05/2010	
100	103	3	25.02	5.1	3.17	11.097		EC	30/05/2010	
103	106	3	0.62	22.22	1.72	8.187		EC	30/05/2010	
106	109	3	0.8	0.04	9.12	3.32		EC	30/05/2010	
109	112	3	5.08	0.72	0.44	2.08		EC	30/05/2010	
112	115	3	0.22	1.13	1.14	0.83		EC	30/05/2010	



Data Logger Print Logs ~ Mag Susceptibility

Hole ID: SB10-11

From (m)	To (m)	Interval Length	Reading 1	Reading 2	Reading 3	Avg. Reading	Unit Code	Read By	Read Date	Comments
115	118	3	0.06	0.36	7.27	2.563		EC	30/05/2010	
118	121	3	0.51	1.26	57.27	19.68		EC	30/05/2010	
121	124	3	47.83	37.97	2.36	29.387		EC	30/05/2010	
124	127	3	57.17	33.09	36.71	42.323		EC	30/05/2010	
127	130	3	24.91	24.07	0.55	16.51		EC	30/05/2010	
130	133	3	2.13	0.54	26.68	9.783		EC	30/05/2010	
133	136	3	14.92	2.6	0.11	5.877		EC	30/05/2010	
136	139	3	0.33	0.73	0.51	0.523		EC	30/05/2010	
139	142	3	0.42	0.27	0.74	0.477		EC	30/05/2010	
142	145	3	0.71	0.04	0.36	0.37		EC	30/05/2010	
145	148	3	0.37	0.35	0.5	0.407		EC	30/05/2010	
148	151	3	6.77	18.1	30.17	18.347		EC	30/05/2010	
151	154	3	37.12	40.57	0.59	26.093		EC	30/05/2010	
154	157	3	1.6	0.77	1.09	1.153		EC	30/05/2010	
157	160	3	44.07	42.14	0.76	28.99		EC	30/05/2010	
160	163	3	0.5	0.89	0.99	0.793		EC	30/05/2010	
163	166	3	0.73	3.66	42.49	15.627		EC	30/05/2010	
166	169	3	2.47	0.5	0.67	1.213		EC	30/05/2010	
169	172	3	51.78	48.99	1.59	34.12		EC	30/05/2010	
172	175	3	52.09	55.69	28.51	45.43		EC	30/05/2010	
175	178	3	0.85	53.93	57.17	37.317		EC	30/05/2010	
178	181	3	2.24	1.06	1.23	1.51		EC	30/05/2010	
181	184	3	1.69	33.22	26.88	20.597		EC	30/05/2010	
184	187	3	51.37	1.22	35.49	29.36		EC	30/05/2010	
187	190	3	0.88	0.49	0.45	0.607		EC	30/05/2010	
190	193	3	0.85	0.16	1.4	0.803		EC	30/05/2010	
193	193.55	0.55	0.51			0.51		EC	30/05/2010	EOH



Data Logger Print Logs ~ DH Samples

DataSet: WJ_GF

Hole ID: SB10-11

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
11.6	13	205877	HC	BL	<input type="checkbox"/>	HQ
13	15.24	205878	HC	BL	<input type="checkbox"/>	
15.24	18	205879	HC	BL	<input type="checkbox"/>	
18	21	205881	HC	BL	<input checked="" type="checkbox"/>	
21	24	205882	HC	BL	<input type="checkbox"/>	
24	27	205883	HC	BL	<input type="checkbox"/>	
27	30	205884	HC	BL	<input type="checkbox"/>	
30	33	205885	HC	BL	<input type="checkbox"/>	
33	35.1	205886	HC	BL	<input type="checkbox"/>	
35.1	36.17	205887	HC	BL	<input type="checkbox"/>	
36.17	39	205888	HC	BL	<input type="checkbox"/>	REDRILLED CORE SMALLER DIAMETER
39	42	205889	HC	BL	<input type="checkbox"/>	
42	45	205891	HC	BL	<input type="checkbox"/>	
45	47	205892	HC	BL	<input type="checkbox"/>	
47	48.4	205893	HC	BL	<input type="checkbox"/>	
48.4	51	205894	HC	BL	<input type="checkbox"/>	
51	54	205895	HC	BL	<input type="checkbox"/>	
54	57	205896	HC	BL	<input type="checkbox"/>	
57	60	205897	HC	BL	<input type="checkbox"/>	
60	63	205898	HC	BL	<input type="checkbox"/>	
63	66	205899	HC	BL	<input checked="" type="checkbox"/>	
66	68.6	205901	HC	BL	<input checked="" type="checkbox"/>	
68.6	70	205902	HC	BL	<input type="checkbox"/>	
70	73	205903	HC	BL	<input type="checkbox"/>	
73	76	205904	HC	BL	<input type="checkbox"/>	
76	79	205905	HC	BL	<input type="checkbox"/>	
79	82	205906	HC	BL	<input type="checkbox"/>	
82	85	205907	HC	BL	<input type="checkbox"/>	
85	88.1	205908	HC	BL	<input type="checkbox"/>	
88.1	91	205909	HC	BL	<input type="checkbox"/>	
91	94	205911	HC	BL	<input type="checkbox"/>	
94	97	205912	HC	BL	<input type="checkbox"/>	
97	100	205913	HC	BL	<input type="checkbox"/>	
100	103	205914	HC	BL	<input type="checkbox"/>	
103	106	205915	HC	BL	<input type="checkbox"/>	
106	109	205916	HC	BL	<input type="checkbox"/>	
109	112	205917	HC	BL	<input type="checkbox"/>	



Data Logger Print Logs ~ DH Samples

Hole ID: **SB10-11**

From (m)	To (m)	Sample ID	Type	Sampled By	Has Duplicate	Comments
112	115	205918	HC	BL	<input type="checkbox"/>	
115	118	205919	HC	BL	<input type="checkbox"/>	
118	121	205921	HC	BL	<input type="checkbox"/>	
121	124	205922	HC	BL	<input type="checkbox"/>	
124	127	205923	HC	BL	<input type="checkbox"/>	
127	130	205924	HC	BL	<input type="checkbox"/>	
130	132.6	205925	HC	BL	<input type="checkbox"/>	
132.6	135	205926	HC	BL	<input type="checkbox"/>	
135	136.4	205927	HC	BL	<input type="checkbox"/>	
136.4	139	205928	HC	BL	<input type="checkbox"/>	
139	142	205929	HC	BL	<input type="checkbox"/>	
142	145	205931	HC	BL	<input type="checkbox"/>	
145	148	205932	HC	BL	<input type="checkbox"/>	
148	151	205933	HC	BL	<input type="checkbox"/>	
151	154	205934	HC	BL	<input type="checkbox"/>	
154	157	205935	HC	BL	<input checked="" type="checkbox"/>	
157	160	205936	HC	BL	<input type="checkbox"/>	
160	163	205937	HC	BL	<input checked="" type="checkbox"/>	
163	166	205938	HC	BL	<input type="checkbox"/>	
166	169	205939	HC	BL	<input type="checkbox"/>	
169	172	205941	HC	BL	<input type="checkbox"/>	
172	175	205942	HC	BL	<input type="checkbox"/>	
175	178	205943	HC	BL	<input type="checkbox"/>	
178	181	205944	HC	BL	<input type="checkbox"/>	
181	184	205945	HC	BL	<input type="checkbox"/>	
184	187	205946	HC	BL	<input type="checkbox"/>	
187	190	205947	HC	BL	<input type="checkbox"/>	
190	192	205948	HC	BL	<input type="checkbox"/>	
192	193.55	205949	HC	BL	<input type="checkbox"/>	EOH

**Appendix 30:
Spellbound Strip Logs**



GOLD FIELDS

STRIP LOG: Legend

Lith_Local_Code	PAT	LABEL	PAT	LABEL
		Analcime Dyke		Not Yet Classified
		Aplite Dyke		Overburden
		Hornblende Phyrlic Dacite Dyke		Plag Porphyry Gabbro
		Lamprophyre Dyke		Plag-Hornblende Porph-Monz
		Plag-Biotite Dyke		Plag-Hornblende Subvolcanic
		Deerhorn Latite Tuff		Takom Dacitic Fragmental
		Fault		Takomkane Quartz Monzonite
		Hornfels		Takom Plag-Porphyry Monzonite
		Hydrothermal Breccia		Takom Porphyry Diorite
		Mafic Dyke		Vein
		Nicola Felsic Fragmental		Young Basalt
		Nicola Volcanic Sandstone		

Alt1_Code	PAT	LABEL	PAT	LABEL
		Albite		Phyllic
		Argillic		Potassic
		Chlorite		Potassic-Biotite
		Chlorite-Sericite		Potassic Kspar
		Clay - general		Propylitic
		Custom		Silica
		Feldspar		Unaltered
		Hematite Dominant		Unknown
		Limonite-Goethite		Not Recorded
		Magnetite Altered		Tourmaline

Au_ppm

VALUES

	1
	0.5
	0.25
	0.1

Cu_ppm

VALUES

	10000
	5000
	2500
	1000

Mo_ppm

VALUES

	500
	250
	100
	10

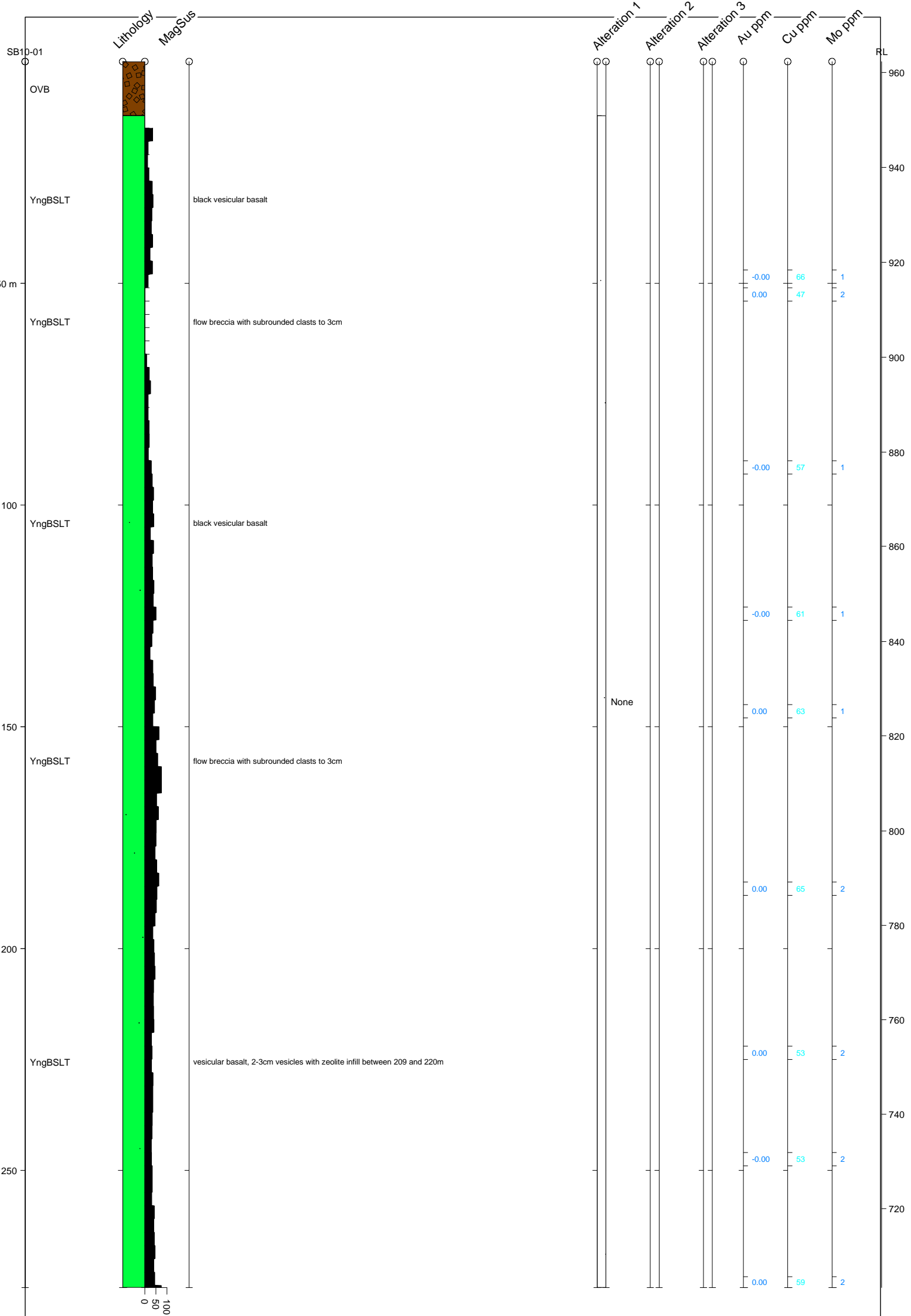


GOLD FIELDS

STRIP LOG: SB10-01

Easting Northing RL Azimuth Dip Depth
612913.6 5792055.6 962.3 190.0 -70.0 276.5

Woodjam North- Spellbound
Scale: 1:1000



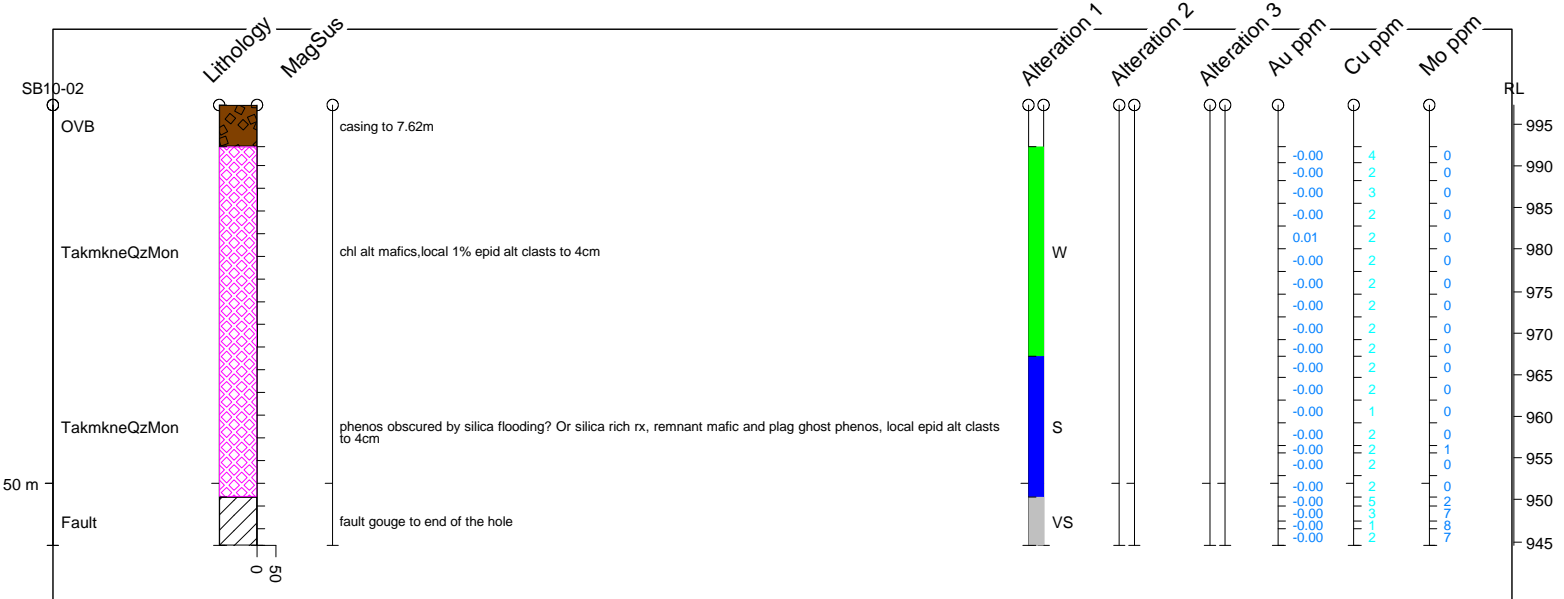


GOLD FIELDS

STRIP LOG: SB10-02

Easting Northing RL Azimuth Dip Depth
613400.0 5791040.6 997.3 230.0 -65.0 58.2

Woodjam North- Spellbound
Scale: 1:1000



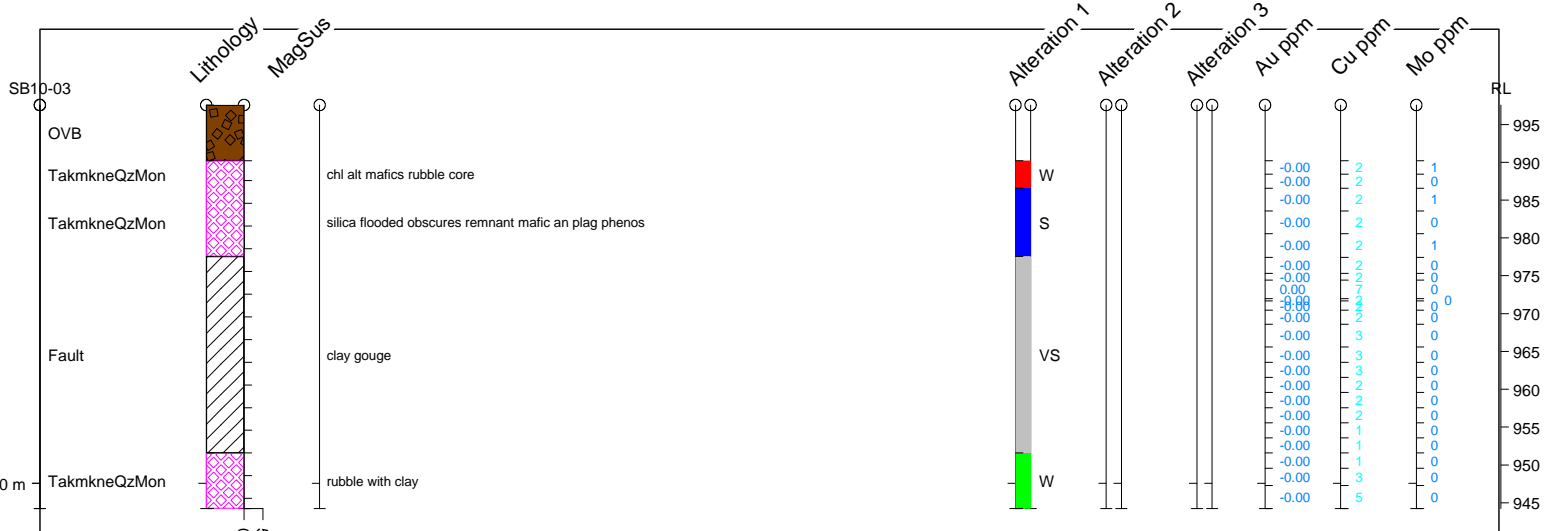


GOLD FIELDS

STRIP LOG: SB10-03

Easting Northing RL Azimuth Dip Depth
613400.3 5791041.4 997.5 0.0 -90.0 53.3

Woodjam North- Spellbound
Scale: 1:1000

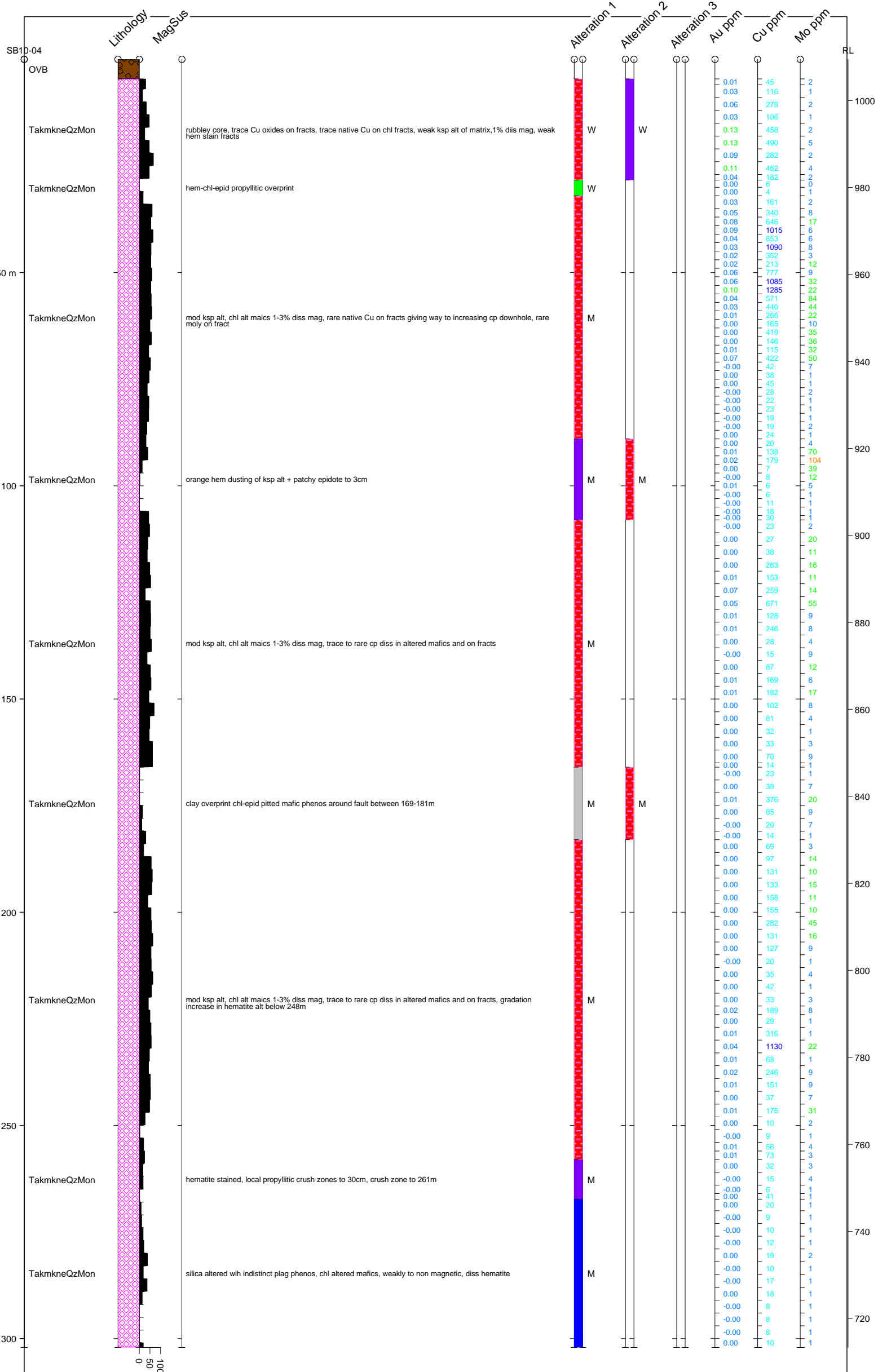




STRIP LOG: SB10-04

Easting 613371.6 Northing 5790755.1 RL 1009.5 Azimuth 235.0 Dip -80.0 Depth 302.1

Woodjam North- Spellbound
Scale: 1:1000

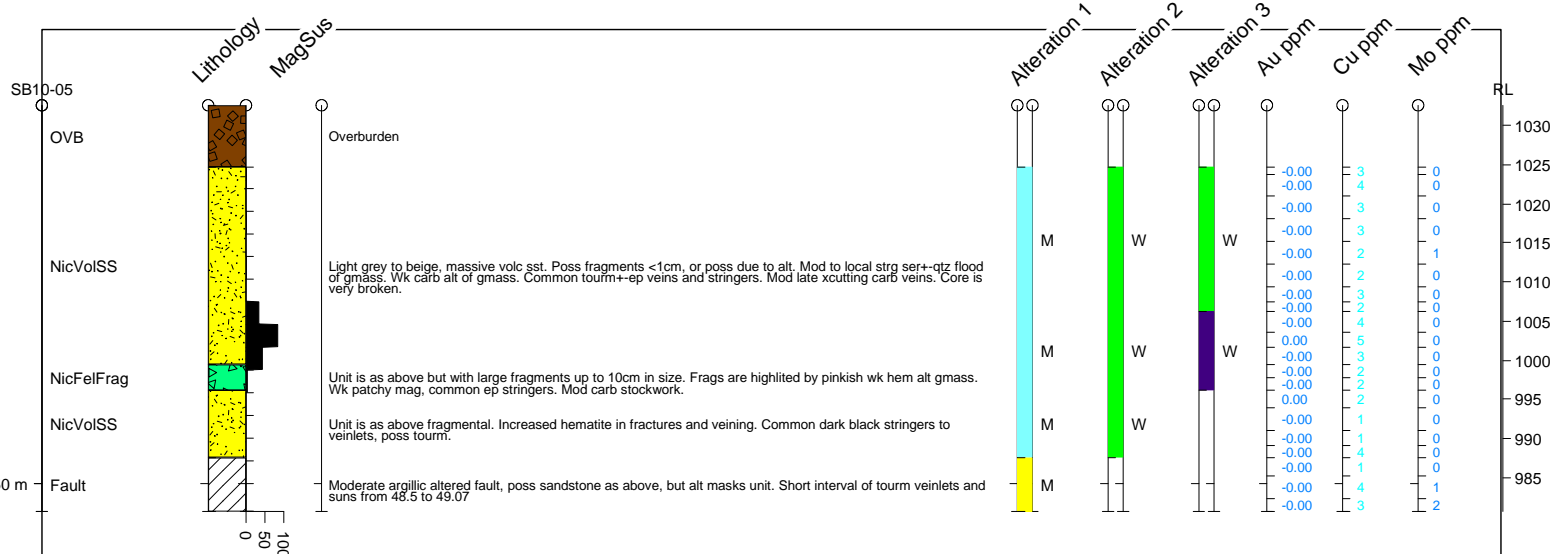




STRIP LOG: SB10-05

Easting Northing RL Azimuth Dip Depth
612616.5 5791188.5 1032.6 230.0 -75.0 53.7

Woodjam North- Spellbound
Scale: 1:1000

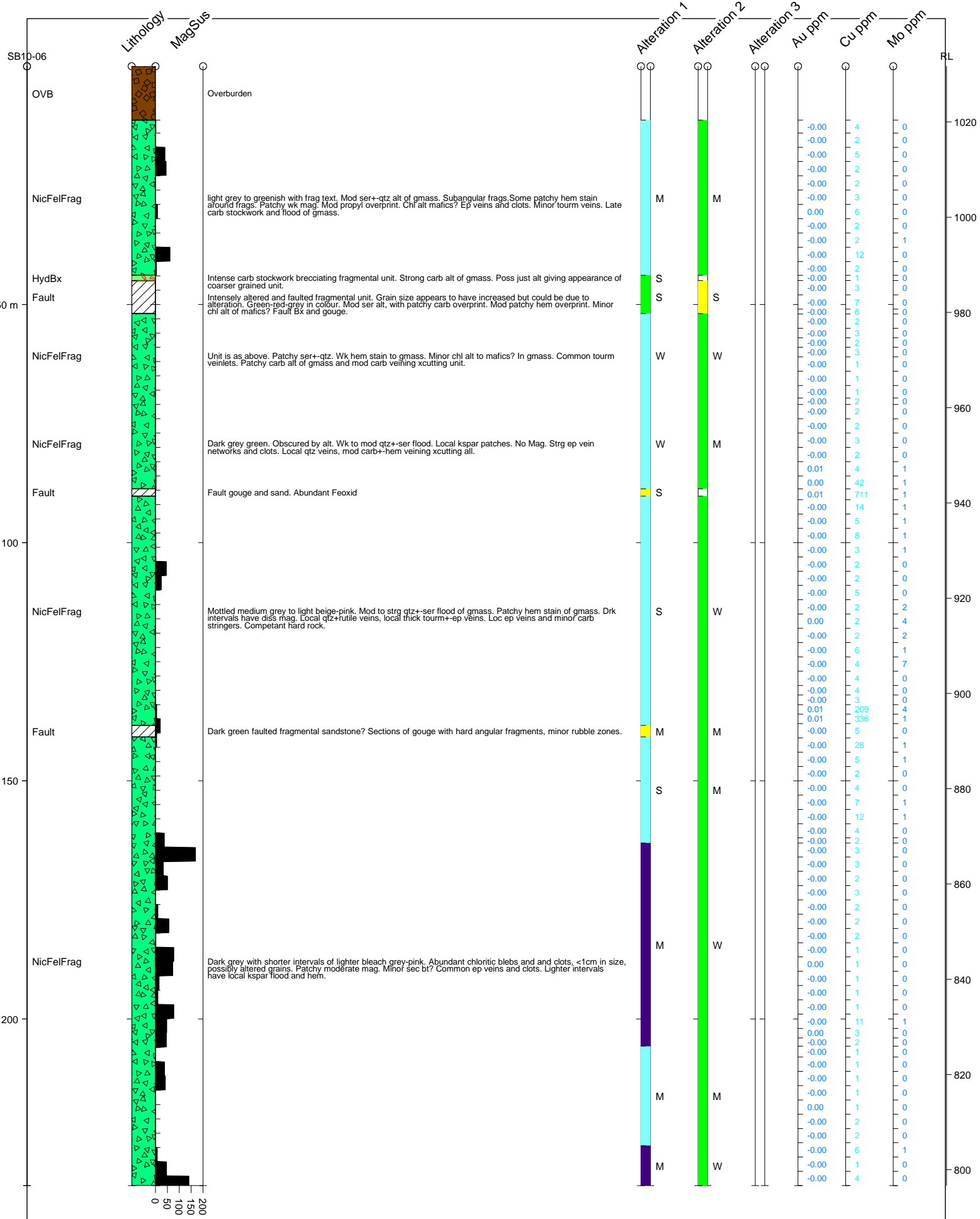




STRIP LOG: SB10-06

Easting Northing RL Azimuth Dip Depth
612617.2 5791187.6 1031.6 360.0 -90.0 235.0

Woodjam North- Spellbound
Scale: 1:1000



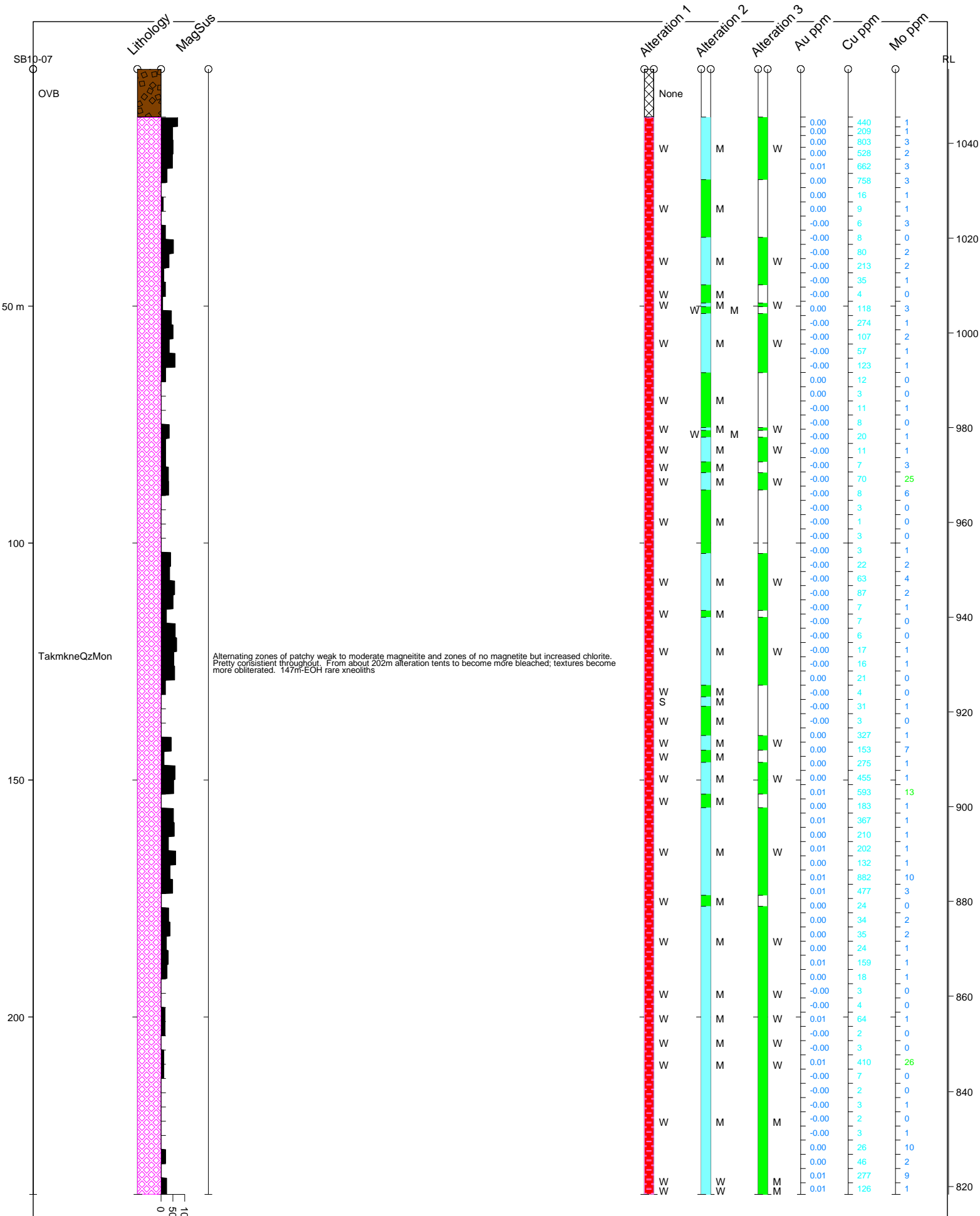


GOLD FIELDS

STRIP LOG: SB10-07

Easting	Northing	RL	Azimuth	Dip	Depth
612922.7	5790893.0	1055.6	360.0	-90.0	237.4

Woodjam North- Spellbound
Scale: 1:1000

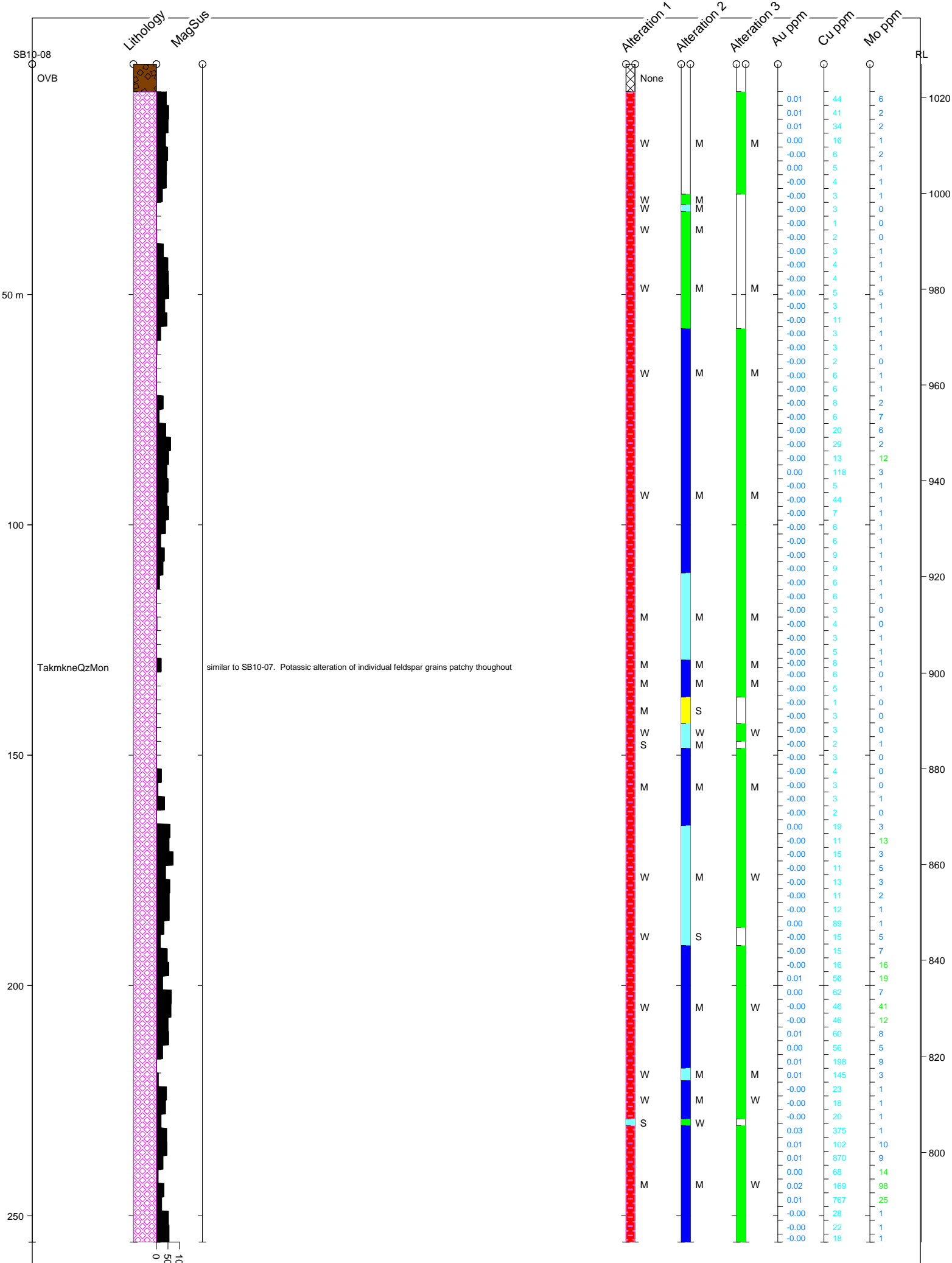




STRIP LOG: SB10-08

Easting 613263.4 Northing 5790885.5 RL 1027.0 Azimuth 190.0 Dip -75.0 Depth 255.7

Woodjam North- Spellbound
Scale: 1:1000

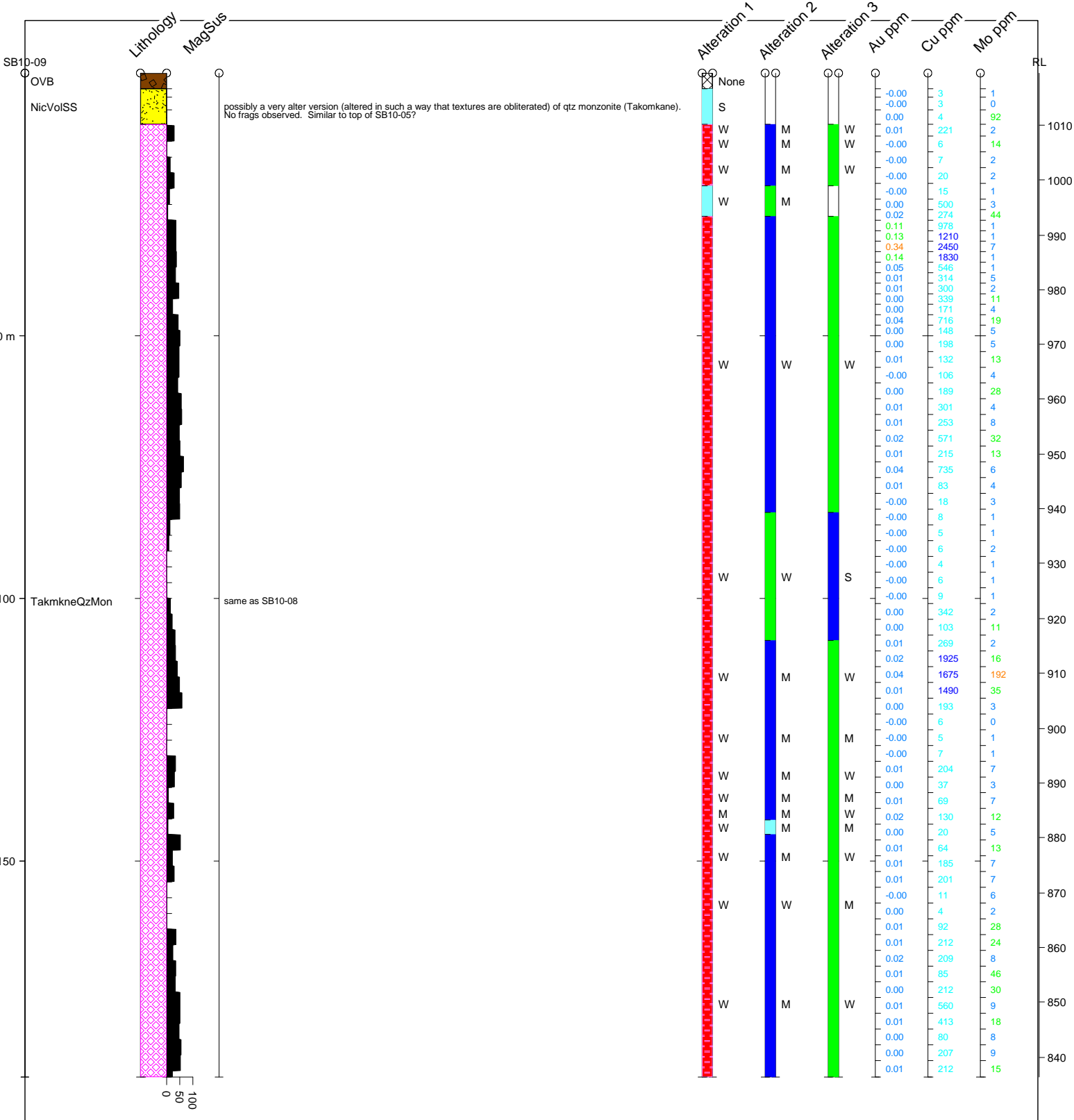




STRIP LOG: SB10-09

Easting Northing RL Azimuth Dip Depth
 613172.3 5790810.9 1019.6 210.0 -75.0 191.1

Woodjam North- Spellbound
 Scale: 1:1000



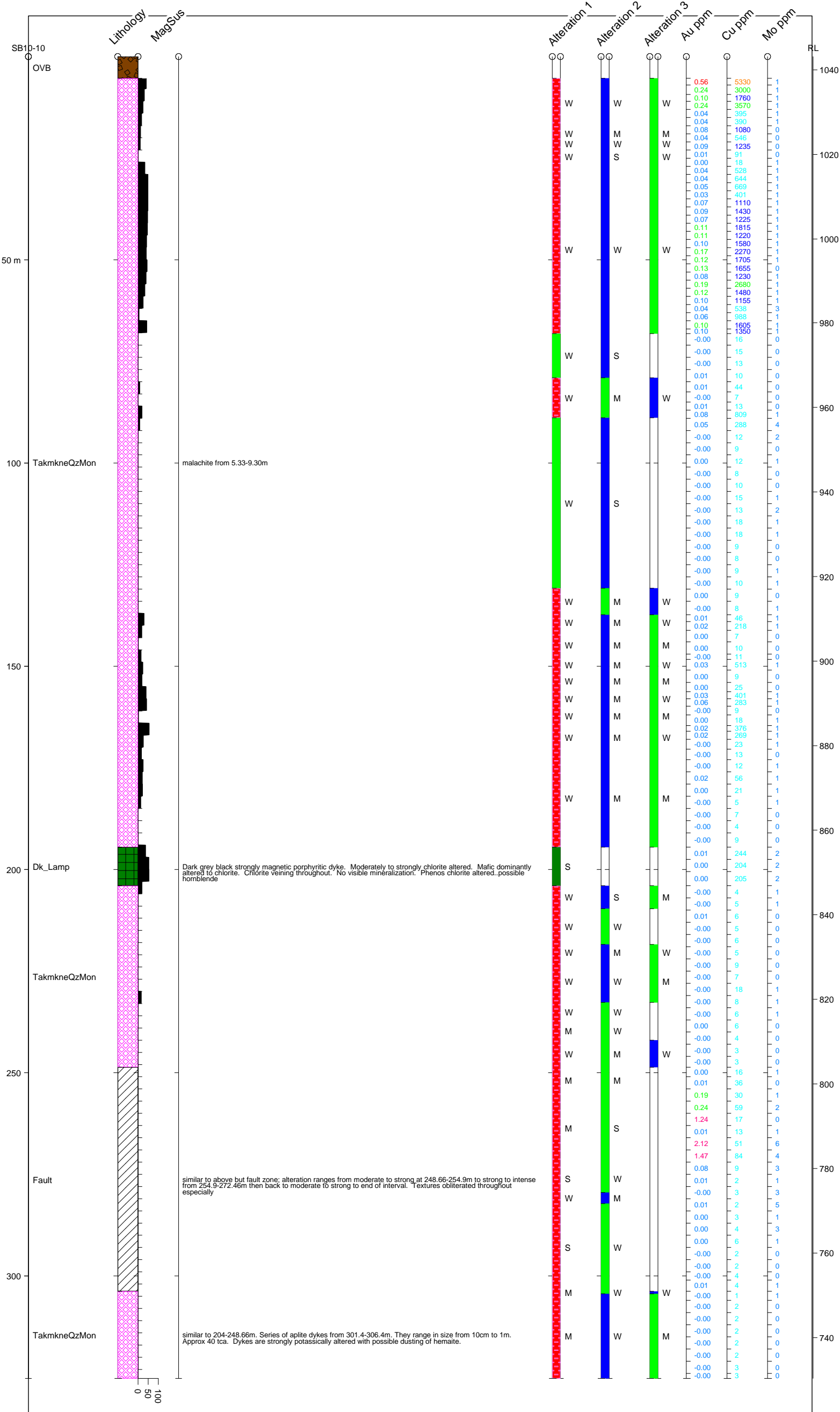


GOLD FIELDS

STRIP LOG: SB10-10

Easting Northing RL Azimuth Dip Depth
612916.4 5789632.4 1043.1 90.0 -75.0 325.2

Woodjam North- Spellbound
Scale: 1:1000

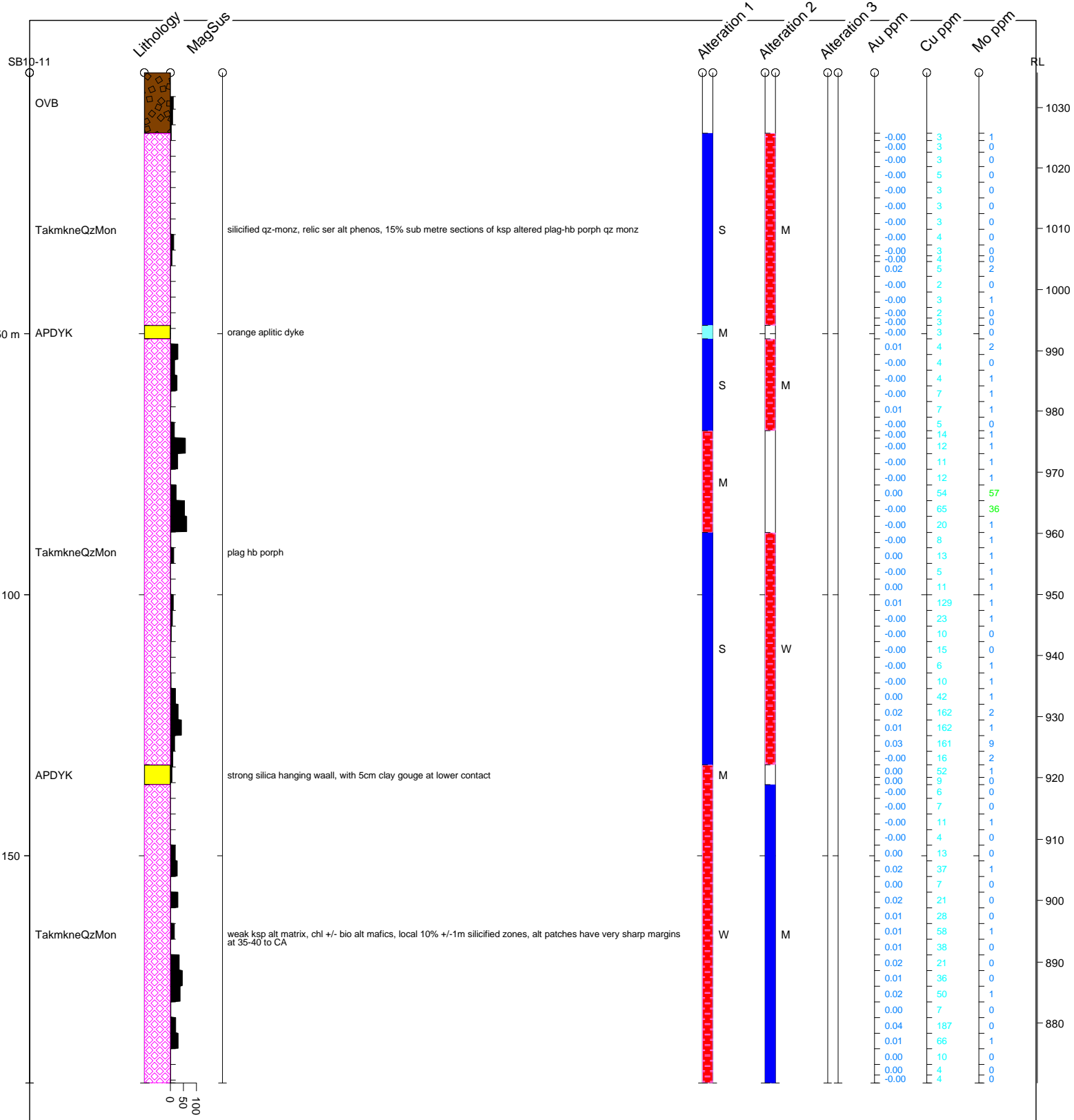




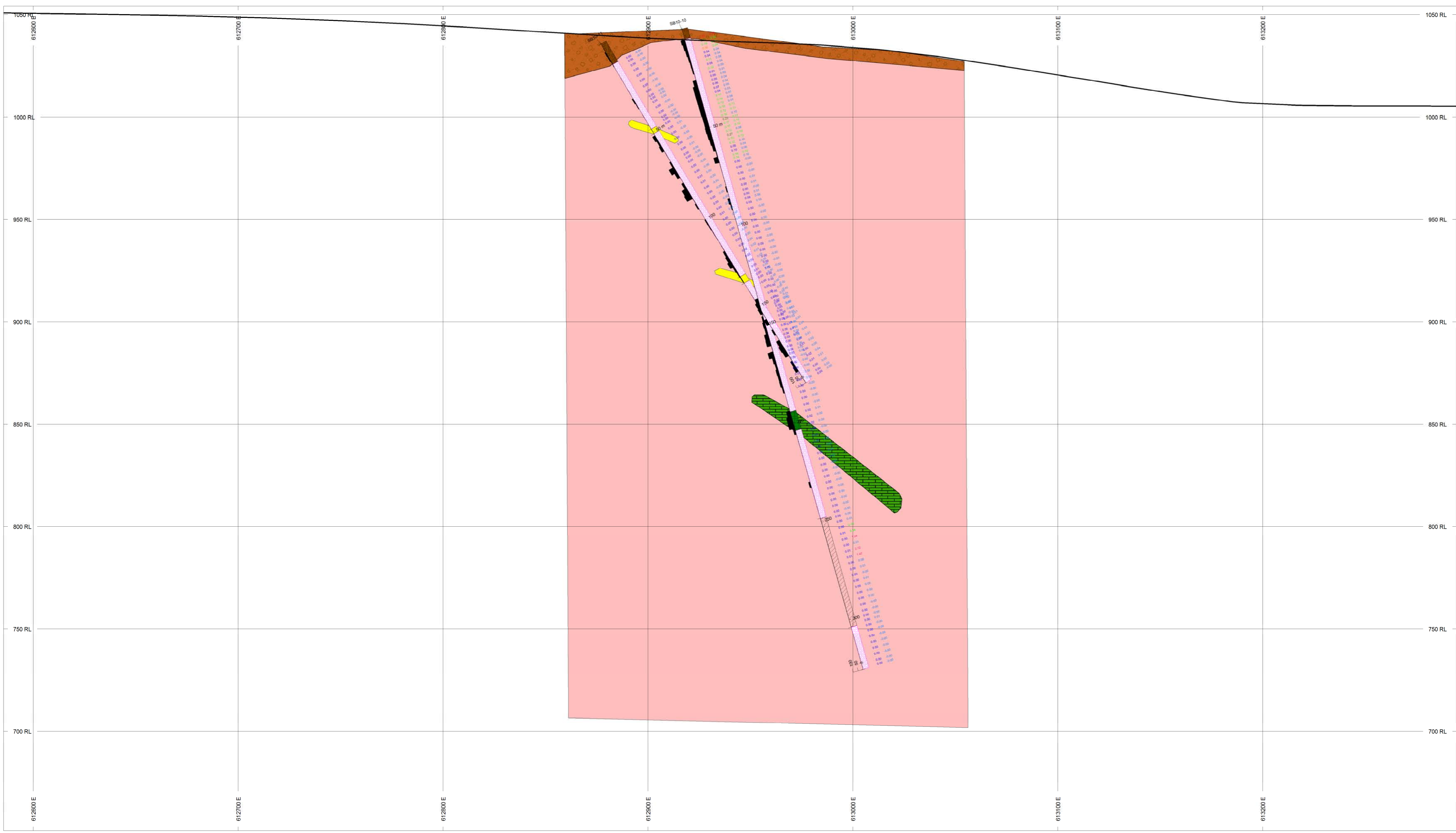
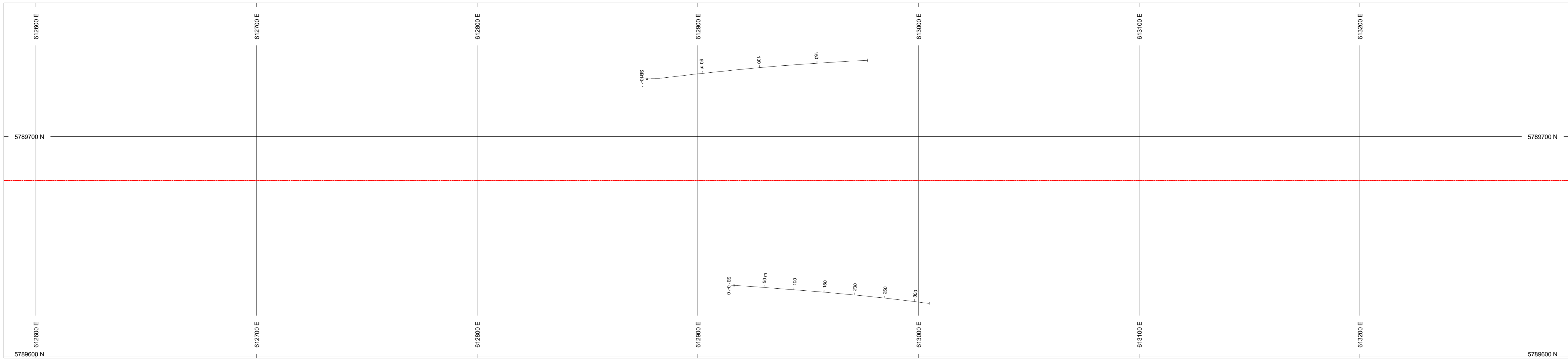
STRIP LOG: SB10-11

Easting Northing RL Azimuth Dip Depth
 612876.9 5789726.1 1035.7 90.0 -60.0 193.6

Woodjam North- Spellbound
 Scale: 1:1000



**Appendix 31:
Spellbound Drill Section**



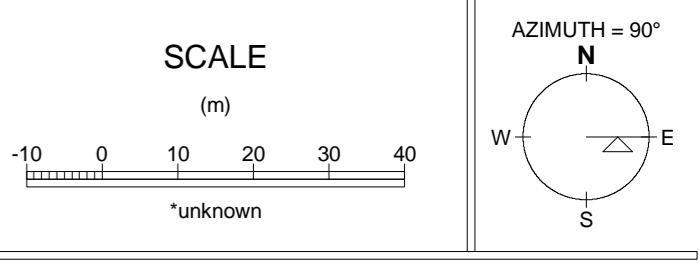
PROFILES	L/R	COL	RANGE
Ave_Reading	L	█	Min 0 Max 200

ROCK CODES	PAT	LABEL
Lith_Local_Code	█	Aplite Dyke
	█	Lamprophyre Dyke
	█	Fault
	█	Overburden
	█	Takomkane Quartz Monzonite

VALUES	L/R	COL	RANGE
Cu_pct	R	█	2
		█	1
		█	0.5
		█	0.3
		█	0.2
		█	0.1

VALUES	L/R	COL	RANGE
Au_ppm	R	█	1
		█	0.5
		█	0.25
		█	0.1

SECTION SPECS:
 REF. PT. E, N 612940 m 5789680 m
 EXTENTS 709 m 402.8 m
 SECTION TOP, BOT 1054 m 651.5 m
 TOLERANCE +/- 250 m



Gold Fields Horsefly Exploration
Woodjam North
Spellbound
1:1000

**Appendix 32:
Spellbound Drill Core ALS Chemex Assay
Certificates**



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

2103 Dollarton Hwy

North Vancouver BC V7H 0A7

Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: GOLD FIELDS HORSEFLY EXPLORATION INC.
1155 ROBSON STREET, SUITE 400
VANCOUVER BC V6E 1B5

Page: 1
Finalized Date: 11-MAY-2010
Account: GOFICA

CERTIFICATE VA10056352

Project: Woodjam North

P.O. No.: WJN-2010-19

This report is for 10 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 5-MAY-2010.

The following have access to data associated with this certificate:

BLAIRD
JULIANNE MADSEN

NATE BREWER
ROSS SHERLOCK

JOHN HERTEL
TWILA SKINNER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

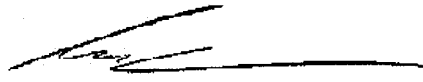
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS41	51 anal. aqua regia ICPMS	

To: GOLD FIELDS HORSEFLY EXPLORATION INC.
ATTN: JULIANNE MADSEN
1155 ROBSON STREET, SUITE 400
VANCOUVER BC V6E 1B5

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 Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
 ALS Canada Ltd.

2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: GOLD FIELDS HORSEFLY EXPLORATION INC.
 1155 ROBSON STREET, SUITE 400
 VANCOUVER BC V6E 1B5

Page: 2 - A
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 11-MAY-2010
 Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10056352

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
205185		6.46	<0.001	0.10	3.04	3.7	<0.2	10	310	1.05	0.31	2.08	0.05	80.8	25.4	102
205186		5.72	0.001	0.09	3.53	5.2	<0.2	20	2120	0.81	0.31	5.96	0.08	75.1	23.1	55
205187		6.40	<0.001	0.08	2.24	5.7	<0.2	<10	290	0.83	0.16	2.16	0.06	60.0	26.5	125
201588		6.52	<0.001	0.09	2.61	1.3	<0.2	<10	260	1.03	0.25	1.50	0.06	76.8	26.7	161
201589		5.70	0.001	0.10	3.62	17.7	<0.2	10	2590	0.99	2.68	4.06	0.09	106.0	29.7	75
205190		0.14	0.266	2.03	1.46	47.3	0.2	<10	120	0.33	0.36	4.20	1.52	19.10	16.0	24
205191		7.20	0.002	0.10	2.63	1.7	<0.2	10	180	0.92	0.27	1.41	0.06	87.9	25.6	139
205192		6.22	0.001	0.07	4.10	1.7	<0.2	40	150	0.81	0.14	2.01	0.07	57.7	23.6	83
205193		6.42	<0.001	0.07	2.45	0.8	<0.2	10	110	0.46	0.12	1.80	0.07	57.4	23.3	79
205194		5.32	0.001	0.08	3.12	1.8	<0.2	<10	170	1.02	0.15	2.07	0.06	73.3	29.1	127

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 Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10056352

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units LOR	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
205185		9.78	65.9	4.20	7.97	0.15	0.05	0.12	0.015	0.23	40.4	15.8	3.33	742	1.26	1.42
205186		3.97	46.9	3.64	7.74	0.16	0.04	0.18	0.041	0.95	36.4	11.6	5.30	685	1.54	0.56
205187		3.21	57.3	4.92	7.01	0.13	0.15	0.13	0.025	0.37	27.5	14.1	2.77	768	0.80	0.40
201588		7.96	60.9	4.83	7.71	0.14	0.05	0.12	0.023	0.47	36.7	8.7	3.23	771	0.61	0.88
201589		5.05	62.9	4.78	9.53	0.21	0.05	0.14	0.052	2.03	51.4	18.5	3.97	873	0.81	0.52
205190		1.09	3350	4.68	5.53	0.09	0.08	0.27	0.078	0.20	9.8	10.5	1.28	623	442	0.09
205191		13.70	65.2	4.50	7.66	0.16	0.11	0.11	0.020	0.28	43.7	19.0	3.28	720	1.95	1.21
205192		4.34	53.1	5.03	9.99	0.14	0.34	0.13	0.031	0.27	26.1	7.2	2.36	753	1.70	1.47
205193		0.79	52.5	4.90	6.51	0.12	0.05	0.08	0.028	0.11	25.9	6.2	2.28	719	1.68	0.40
205194		8.54	59.2	4.68	8.77	0.13	0.35	<0.01	0.024	0.48	37.6	9.6	3.20	755	1.61	1.03

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 Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10056352

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
205185		0.23	122.0	3780	12.3	33.6	0.005	0.03	0.12	2.3	0.5	0.7	426	0.01	0.01	12.3
205186		<0.05	121.0	2480	17.2	34.3	0.005	0.11	0.07	9.9	0.6	0.8	1010	0.01	0.02	9.6
205187		0.73	131.0	2970	6.1	23.9	0.005	0.02	0.07	2.4	0.5	0.8	570	0.02	0.02	6.1
201588		0.60	114.0	3730	9.2	35.4	0.005	0.01	0.08	2.1	0.5	0.8	352	0.01	<0.01	9.9
201589		0.09	144.0	3700	14.1	54.4	0.005	0.07	0.14	12.3	0.9	1.2	951	0.01	0.02	14.0
205190		<0.05	21.9	1150	11.0	9.5	0.066	1.88	6.01	7.1	6.3	0.8	150.5	<0.01	0.23	1.4
205191		1.08	127.0	3990	10.5	29.4	0.005	0.03	0.19	2.9	0.5	0.8	416	0.02	0.03	12.4
205192		0.98	69.7	2910	7.2	33.4	0.004	0.08	0.08	2.7	0.5	0.9	528	0.02	0.01	5.4
205193		0.33	62.6	2690	7.4	7.1	0.003	0.04	0.06	2.3	0.5	0.8	316	0.01	0.02	4.7
205194		0.52	122.0	3510	7.6	46.2	0.002	0.26	0.17	3.4	0.4	0.8	540	0.01	0.01	8.2

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Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10056352

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205185		0.292	0.90	3.81	110	0.33	16.05	72	4.2
205186		0.105	1.08	3.54	88	0.12	19.80	52	1.3
205187		0.409	0.29	1.69	137	0.22	15.25	82	13.1
201588		0.365	1.03	2.99	134	0.35	16.10	81	5.4
201589		0.320	2.58	4.67	138	0.54	26.4	69	2.6
205190		0.009	0.12	0.54	86	3.30	14.25	63	2.4
205191		0.354	0.93	3.34	131	1.17	17.35	74	9.8
205192		0.528	0.26	1.56	157	0.52	14.45	84	23.9
205193		0.496	0.15	1.41	159	0.32	15.55	84	8.5
205194		0.376	0.64	1.90	144	0.73	16.85	81	19.5

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CERTIFICATE OF ANALYSIS VA10056352

CERTIFICATE COMMENTS

Method

ME-MS41

Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).

ME-MS41

Interference: Mo>400ppm on ICP-MS Cd,ICP-AES results shown.



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CERTIFICATE VA10056351

Project: Woodjam North
P.O. No.: WJN-2010-20
This report is for 23 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 5-MAY-2010.

The following have access to data associated with this certificate:

BLAIRD JULIANNE MADSEN	NATE BREWER ROSS SHERLOCK	JOHN HERTEL TWILA SKINNER
---------------------------	------------------------------	------------------------------

SAMPLE PREPARATION

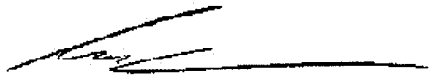
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS41	51 anal. aqua regia ICPMS	

To: GOLD FIELDS HORSEFLY EXPLORATION INC.
ATTN: JULIANNE MADSEN
1155 ROBSON STREET, SUITE 400
VANCOUVER BC V6E 1B5

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 VA10056351

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.02	0.1	1	
205195		9.26	<0.001	0.02	0.67	5.0	<0.2	<10	40	0.11	0.03	0.60	0.03	10.95	0.9	6
205196		2.74	<0.001	0.04	0.80	5.6	<0.2	<10	110	0.12	0.03	0.85	0.04	9.19	0.8	6
205197		5.34	<0.001	0.03	0.84	4.8	<0.2	<10	120	0.13	0.03	0.97	0.03	11.10	1.0	8
205198		5.20	<0.001	0.02	0.82	4.5	<0.2	<10	30	0.13	0.02	1.21	0.02	10.80	1.2	6
205199		5.62	0.005	0.01	0.95	4.7	<0.2	<10	40	0.13	0.03	1.53	0.02	10.80	1.4	5
205200		0.32	<0.001	0.02	1.84	0.6	<0.2	<10	50	0.65	0.01	1.93	0.04	25.3	27.4	27
205201		5.72	<0.001	0.02	0.83	4.6	<0.2	<10	100	0.14	0.05	1.09	0.03	11.00	1.3	6
205202		6.26	<0.001	0.02	0.76	4.3	<0.2	<10	120	0.11	0.02	1.06	0.03	10.90	1.1	6
205203		5.38	<0.001	0.01	0.75	5.3	<0.2	<10	70	0.14	0.03	0.73	0.04	11.25	0.6	5
205204		5.96	<0.001	0.02	0.75	4.7	<0.2	<10	40	0.12	0.04	0.80	0.03	12.40	0.7	6
205205		4.48	<0.001	0.03	0.82	6.7	<0.2	<10	30	0.13	0.05	1.18	0.05	11.75	0.8	6
205206		5.72	<0.001	0.02	0.76	7.2	<0.2	<10	40	0.12	0.03	1.02	0.05	9.71	0.5	7
205207		5.78	<0.001	0.02	0.72	8.4	<0.2	<10	90	0.15	0.02	0.80	0.07	9.25	0.3	6
205208		6.48	<0.001	0.01	0.76	6.9	<0.2	<10	80	0.12	0.01	0.84	0.04	8.27	0.4	6
205209		5.82	<0.001	0.02	0.69	6.3	<0.2	<10	110	0.12	0.01	1.40	0.06	9.43	0.6	7
205210		0.14	1.100	2.36	2.29	10.1	1.3	<10	140	0.13	0.40	1.31	1.53	6.94	24.8	55
205211		1.78	<0.001	0.02	0.88	8.9	<0.2	10	110	0.12	0.02	1.57	0.03	9.38	0.7	5
205212		6.14	<0.001	0.03	0.83	8.8	<0.2	<10	60	0.16	0.06	2.21	0.05	13.15	1.3	5
205213		5.86	<0.001	0.02	0.74	7.9	<0.2	10	80	0.17	0.08	2.24	0.05	13.15	1.0	5
205214		2.54	<0.001	0.81	2.37	15.9	<0.2	30	30	0.70	0.02	5.24	0.09	19.75	1.6	4
205215		3.84	<0.001	0.41	2.05	9.0	<0.2	30	20	0.57	0.03	2.47	0.07	11.65	1.6	3
205216		1.48	<0.001	0.15	0.64	4.8	<0.2	10	10	0.54	0.13	4.11	0.11	20.3	7.9	1
205217		2.94	<0.001	0.17	1.34	4.0	<0.2	20	20	0.88	0.09	3.40	0.10	17.60	6.0	1



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Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10056351

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
205195		0.55	3.5	0.41	1.92	0.06	0.29	0.09	0.007	0.03	4.9	5.2	0.31	90	0.45	0.13
205196		0.76	2.0	0.39	2.45	0.06	0.24	0.08	0.008	0.03	3.9	8.5	0.35	111	0.37	0.11
205197		0.65	2.9	0.44	2.30	0.06	0.29	0.07	0.005	0.04	4.8	7.5	0.39	118	0.49	0.14
205198		0.63	2.2	0.50	3.23	0.08	0.28	0.07	0.016	0.02	5.1	13.9	0.58	181	0.42	0.13
205199		0.54	1.9	0.53	3.73	0.07	0.25	0.08	0.018	0.03	5.1	14.5	0.56	217	0.34	0.12
205200		0.09	24.3	3.52	7.02	0.12	0.82	0.11	0.031	0.33	12.1	3.1	2.96	545	2.08	0.77
205201		0.60	1.9	0.49	2.73	0.09	0.29	0.07	0.017	0.03	5.2	8.1	0.37	146	0.46	0.14
205202		0.50	1.6	0.43	2.20	0.06	0.28	0.07	0.006	0.03	5.0	6.8	0.41	117	0.46	0.14
205203		0.45	1.8	0.34	2.05	0.08	0.26	0.07	0.008	0.02	5.5	6.6	0.38	70	0.48	0.15
205204		0.49	1.9	0.43	2.31	0.09	0.30	0.09	0.017	0.02	6.2	7.3	0.31	91	0.49	0.14
205205		0.67	1.7	0.49	2.82	0.08	0.28	0.09	0.017	0.03	5.5	12.2	0.41	148	0.47	0.15
205206		0.57	1.7	0.35	2.29	0.09	0.26	0.08	0.006	0.02	4.3	8.6	0.48	103	0.48	0.16
205207		0.65	1.5	0.23	2.07	0.08	0.24	0.12	<0.005	0.02	3.8	7.5	0.48	65	0.49	0.18
205208		0.70	1.4	0.27	2.12	0.08	0.21	0.09	<0.005	0.03	3.4	7.3	0.46	67	0.48	0.16
205209		0.67	1.8	0.35	2.06	0.07	0.24	<0.01	<0.005	0.03	4.4	6.1	0.28	115	0.48	0.17
205210		0.97	5300	4.75	6.88	0.11	0.13	0.21	0.192	0.24	3.1	9.5	1.29	378	246	0.14
205211		0.79	2.3	0.37	2.45	0.08	0.23	0.10	<0.005	0.04	4.2	4.6	0.28	131	0.57	0.18
205212		1.32	1.7	0.53	2.34	0.06	0.16	0.12	0.011	0.04	5.6	5.7	0.31	238	0.33	0.13
205213		1.29	1.8	0.56	2.43	0.08	0.17	0.11	0.015	0.03	5.7	4.8	0.26	240	0.42	0.12
205214		1.17	5.1	0.58	5.00	<0.05	0.05	0.11	0.006	0.06	8.2	7.4	0.52	415	2.05	0.17
205215		2.77	2.6	0.54	4.06	<0.05	0.06	0.11	0.011	0.09	4.6	3.7	0.52	228	7.42	0.15
205216		2.49	0.9	0.75	1.61	<0.05	0.06	0.12	0.024	0.19	9.2	1.0	1.22	706	8.18	0.11
205217		3.83	1.5	0.72	3.31	<0.05	0.05	0.10	0.022	0.19	7.8	2.3	1.12	541	6.83	0.14



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CERTIFICATE OF ANALYSIS VA10056351

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205195		0.25	2.2	640	1.7	1.4	0.001	0.01	0.47	1.3	0.2	0.5	74.9	0.01	<0.01	2.5
205196		0.19	1.4	520	2.0	1.7	0.004	0.01	0.43	2.2	0.2	0.5	223	0.01	0.01	2.2
205197		0.21	2.3	660	1.7	1.8	0.002	0.01	0.38	2.5	0.3	0.6	221	<0.01	<0.01	2.3
205198		0.16	2.2	620	1.8	1.0	0.003	0.01	0.52	2.8	0.2	0.6	67.3	<0.01	0.02	2.3
205199		0.14	2.3	590	2.2	1.1	0.003	0.01	0.45	2.6	0.2	0.5	86.5	0.01	0.01	2.1
205200		2.98	118.0	1270	0.5	8.2	0.003	0.03	0.05	5.9	0.4	0.7	143.0	0.06	0.01	1.4
205201		0.27	2.3	600	2.1	1.1	0.002	0.01	0.72	1.9	0.2	0.5	173.5	0.01	0.01	2.2
205202		0.20	1.2	670	1.9	1.0	0.001	0.01	0.33	2.5	0.2	0.5	200	0.01	0.01	2.3
205203		0.23	0.9	650	2.5	0.8	0.001	0.01	0.50	1.5	0.2	0.5	123.5	0.01	0.01	2.4
205204		0.25	1.1	610	4.9	0.8	0.002	0.01	0.83	1.4	0.2	0.6	81.8	0.01	0.01	2.7
205205		0.30	1.5	620	6.8	1.1	0.001	0.01	0.87	2.3	0.2	0.5	71.2	0.01	0.01	2.7
205206		0.28	0.9	600	4.1	1.0	0.001	0.01	0.53	2.3	0.2	0.5	73.2	0.01	0.01	2.7
205207		0.23	0.7	650	2.5	1.1	0.005	0.01	0.27	1.8	0.3	0.5	131.5	0.01	0.01	2.6
205208		0.23	0.9	640	2.6	1.1	0.003	0.01	0.29	1.8	0.2	0.4	140.0	0.01	0.01	2.2
205209		0.38	0.9	680	4.3	1.2	<0.001	0.01	0.33	2.9	<0.2	0.6	161.5	0.01	<0.01	2.7
205210		0.26	42.8	650	23.2	10.4	0.351	2.15	7.93	5.8	3.9	2.3	44.4	0.01	0.24	0.8
205211		0.41	0.9	680	2.0	1.3	0.004	0.01	0.32	2.8	0.3	0.6	165.0	0.01	0.01	2.2
205212		0.12	1.9	650	3.9	2.4	0.005	0.01	0.93	3.6	0.3	0.4	131.5	0.01	0.01	2.4
205213		0.12	1.7	620	4.6	1.9	0.005	0.02	1.36	3.6	0.3	0.4	133.0	0.01	0.02	2.2
205214		<0.05	4.3	720	6.6	4.1	0.007	0.01	0.08	4.5	0.4	0.4	317	0.01	0.02	3.4
205215		<0.05	2.9	590	3.9	8.1	0.021	0.01	0.11	3.6	0.3	0.4	251	<0.01	0.02	3.6
205216		<0.05	3.7	100	7.8	13.0	0.025	0.01	0.22	0.5	0.4	0.2	173.0	<0.01	0.03	2.9
205217		<0.05	3.2	240	6.4	12.2	0.067	0.01	0.13	1.3	0.4	0.3	231	0.01	0.01	2.4



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 Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10056351

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205195		0.091	0.03	1.32	19	0.10	6.49	5	5.2
205196		0.077	0.03	1.13	23	0.11	6.58	15	4.2
205197		0.092	0.03	1.43	22	0.10	6.95	8	4.8
205198		0.091	0.02	1.43	24	0.08	6.13	22	4.6
205199		0.060	0.03	1.09	23	0.05	5.62	46	3.9
205200		0.511	0.03	0.46	90	0.16	8.85	44	40.8
205201		0.086	0.03	1.41	19	0.07	6.29	10	4.8
205202		0.092	0.02	1.55	19	0.06	6.47	6	4.2
205203		0.098	0.02	1.78	18	0.06	6.51	4	4.0
205204		0.096	0.03	2.09	22	0.07	6.25	49	4.7
205205		0.094	0.03	1.77	21	0.09	6.01	85	4.3
205206		0.097	0.02	1.77	17	0.08	5.83	36	4.1
205207		0.096	0.03	1.81	21	0.08	6.57	11	3.8
205208		0.088	0.02	1.54	18	0.06	5.97	11	3.5
205209		0.108	0.02	1.53	22	0.05	7.48	23	3.7
205210		0.155	0.43	0.33	79	14.50	7.83	205	3.4
205211		0.093	0.03	1.50	21	0.05	6.95	30	3.1
205212		0.042	0.04	1.25	22	<0.05	8.20	36	2.6
205213		0.048	0.04	1.28	28	<0.05	8.50	28	2.9
205214		<0.005	0.03	2.09	29	0.30	13.45	19	0.7
205215		<0.005	0.04	1.01	28	0.20	7.82	22	0.8
205216		<0.005	0.12	1.11	10	0.23	20.5	56	1.2
205217		<0.005	0.11	3.54	16	0.18	18.35	58	1.0



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Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10056351

Method	CERTIFICATE COMMENTS
ME-MS41	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).



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Finalized Date: 11-MAY-2010
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CERTIFICATE VA10057556

Project: Woodjam North
P.O. No.: WJN-2010-21
This report is for 25 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 6-MAY-2010.
The following have access to data associated with this certificate:

BLAIRD JULIANNE MADSEN	NATE BREWER ROSS SHERLOCK	JOHN HERTEL TWILA SKINNER
---------------------------	------------------------------	------------------------------

SAMPLE PREPARATION

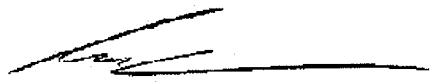
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS41	51 anal. aqua regia ICPMS	

To: **GOLD FIELDS HORSEFLY EXPLORATION INC.**
ATTN: JULIANNE MADSEN
1155 ROBSON STREET, SUITE 400
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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 VA10057556

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
205218		6.64	<0.001	0.02	0.83	5.6	<0.2	<10	100	0.19	0.05	0.66	0.04	13.60	1.0	7
205219		2.98	<0.001	0.01	0.76	5.3	<0.2	<10	60	0.14	0.03	0.60	0.03	11.85	1.0	6
205220		0.26	<0.001	0.02	2.39	1.0	<0.2	<10	70	0.92	0.01	2.59	0.06	35.7	34.2	33
205221		5.92	<0.001	0.01	0.81	5.1	<0.2	<10	180	0.15	0.01	0.96	0.02	10.35	0.6	6
205222		4.34	<0.001	0.01	0.95	4.8	<0.2	<10	390	0.17	0.01	1.56	0.03	11.30	0.6	6
205223		1.34	<0.001	0.03	0.80	6.5	<0.2	<10	110	0.15	0.02	1.53	0.02	10.60	1.1	8
205224		2.94	<0.001	0.08	1.39	7.3	<0.2	10	50	0.45	0.16	2.78	0.05	17.55	1.8	3
205225		1.66	<0.001	0.25	0.79	5.5	<0.2	<10	110	0.23	0.09	2.42	0.02	19.20	1.6	3
205226		5.88	0.001	0.51	0.82	10.1	<0.2	10	30	0.40	0.13	3.34	0.16	21.5	5.3	2
205227		0.76	<0.001	0.06	0.60	4.4	<0.2	10	10	0.22	0.12	1.62	0.03	25.9	0.5	2
205228		2.84	<0.001	0.14	0.55	4.7	<0.2	10	150	0.24	0.06	1.81	0.04	17.10	1.2	3
205229		3.88	<0.001	0.05	0.65	5.4	<0.2	10	80	0.26	0.12	1.89	0.03	18.30	1.2	3
205230		0.14	0.187	1.95	1.44	27.5	<0.2	<10	180	0.40	2.56	1.72	0.95	36.4	16.8	61
205231		4.70	<0.001	0.18	1.04	8.8	<0.2	20	70	0.37	0.15	2.69	0.04	17.65	2.4	3
205232		4.98	<0.001	0.36	0.93	5.9	<0.2	20	410	0.22	0.12	1.11	0.03	15.10	1.4	3
205233		5.36	<0.001	0.22	0.90	5.4	<0.2	20	140	0.21	0.16	0.46	0.04	16.15	1.9	3
205234		5.66	<0.001	0.21	0.78	5.3	<0.2	10	350	0.15	0.10	0.40	0.01	18.10	3.1	3
205235		5.02	<0.001	0.16	0.71	4.2	<0.2	10	120	0.18	0.22	0.68	0.02	16.50	0.7	3
205236		4.20	<0.001	0.44	1.15	4.5	<0.2	10	80	0.25	0.18	0.98	0.05	19.45	1.3	3
205237		4.54	<0.001	0.31	0.81	3.3	<0.2	10	140	0.20	0.16	0.91	0.02	17.50	0.9	2
205238		5.28	<0.001	0.10	0.98	3.7	<0.2	10	310	0.21	0.14	0.68	0.03	20.1	1.7	3
205239		4.46	<0.001	0.11	0.92	3.8	<0.2	10	50	0.22	0.13	0.77	0.04	21.2	2.2	3
205240		0.26	<0.001	0.02	1.68	0.4	<0.2	<10	40	0.61	0.01	1.75	0.05	21.4	25.8	19
205241		4.52	<0.001	0.05	0.54	8.1	<0.2	<10	250	0.18	0.05	0.69	0.03	15.95	2.8	5
205242		1.74	<0.001	0.03	0.62	7.5	<0.2	<10	220	0.14	0.05	0.65	0.04	16.70	2.8	4



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CERTIFICATE OF ANALYSIS VA10057556

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
205218		0.60	2.3	0.44	2.40	0.07	0.32	<0.01	0.010	0.04	6.0	5.2	0.34	91	0.53	0.16
205219		0.59	1.9	0.47	2.11	0.05	0.32	<0.01	0.006	0.03	5.2	6.4	0.42	83	0.49	0.18
205220		0.15	24.2	4.09	8.72	0.14	0.80	<0.01	0.045	0.53	16.0	3.9	3.43	650	2.39	0.96
205221		0.88	1.7	0.29	2.06	0.06	0.27	<0.01	<0.005	0.04	4.4	5.8	0.39	74	0.50	0.18
205222		0.75	1.7	0.32	1.98	0.06	0.28	<0.01	<0.005	0.05	4.8	3.4	0.19	126	0.44	0.18
205223		1.33	1.6	0.57	2.48	0.06	0.27	<0.01	<0.005	0.04	4.3	6.0	0.30	183	0.54	0.14
205224		2.40	2.1	0.73	4.46	<0.05	0.05	<0.01	0.030	0.06	7.8	2.8	0.55	357	0.43	0.03
205225		1.48	1.6	0.61	2.25	<0.05	0.10	<0.01	0.019	0.05	8.7	1.9	0.43	404	0.17	0.10
205226		2.57	6.6	0.74	2.16	<0.05	0.07	<0.01	0.012	0.11	10.1	2.1	0.70	576	0.30	0.04
205227		0.75	1.8	0.36	1.63	0.05	0.15	<0.01	0.007	0.03	12.0	1.5	0.19	255	0.22	0.08
205228		1.05	2.1	0.48	1.42	<0.05	0.13	<0.01	0.007	0.04	7.6	1.6	0.49	320	0.26	0.09
205229		0.83	2.0	0.56	1.79	<0.05	0.13	<0.01	0.007	0.03	8.3	1.7	0.50	333	0.18	0.11
205230		2.12	1815	3.92	4.84	0.09	0.11	0.09	0.075	0.47	20.0	7.9	0.81	343	150.0	0.06
205231		1.11	2.7	0.68	2.96	<0.05	0.11	0.01	0.025	0.05	8.5	2.9	0.77	355	0.46	0.08
205232		1.09	2.9	0.48	2.42	<0.05	0.13	<0.01	0.015	0.03	7.1	2.3	0.42	143	0.24	0.10
205233		1.13	2.9	0.34	2.33	0.05	0.11	<0.01	0.010	0.03	7.1	2.2	0.20	21	0.26	0.10
205234		1.24	2.3	0.33	2.16	0.05	0.14	<0.01	0.007	0.03	7.8	2.2	0.13	23	0.30	0.12
205235		1.67	1.8	0.37	2.13	0.05	0.16	<0.01	0.023	0.03	7.6	1.8	0.15	48	0.28	0.11
205236		3.25	1.8	0.89	4.01	0.06	0.14	<0.01	0.048	0.05	9.3	2.4	0.22	97	0.36	0.11
205237		2.49	1.2	0.62	2.81	0.05	0.14	<0.01	0.043	0.04	8.3	1.8	0.17	98	0.29	0.11
205238		2.09	1.4	0.93	3.52	0.05	0.18	<0.01	0.047	0.03	9.4	2.4	0.18	181	0.33	0.12
205239		2.57	1.2	1.14	3.36	0.05	0.18	<0.01	0.034	0.04	10.1	2.4	0.17	279	0.45	0.13
205240		0.14	20.4	2.82	5.64	0.11	0.66	<0.01	0.026	0.37	10.3	3.2	2.70	476	1.60	0.74
205241		0.85	2.5	1.70	1.95	0.05	0.23	<0.01	0.025	0.07	7.5	1.3	0.13	284	0.44	0.13
205242		0.78	5.1	1.54	2.10	0.06	0.21	<0.01	0.024	0.06	7.8	1.3	0.11	296	0.49	0.16

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



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Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10057556

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205218		0.29	1.5	630	2.4	1.4	<0.001	<0.01	0.85	1.7	0.2	0.6	157.5	<0.01	<0.01	2.8
205219		0.24	1.2	650	1.8	1.4	<0.001	<0.01	0.53	2.0	<0.2	0.7	96.4	<0.01	0.01	2.5
205220		2.78	128.0	1640	0.8	12.4	0.001	0.03	<0.05	8.9	0.3	1.0	163.5	0.07	<0.01	1.8
205221		0.27	1.6	670	1.3	1.6	<0.001	<0.01	0.24	2.2	<0.2	0.6	280	<0.01	0.01	2.5
205222		0.22	1.1	660	1.4	1.6	<0.001	<0.01	0.24	2.8	0.2	0.6	536	<0.01	<0.01	3.1
205223		0.16	1.1	650	2.1	2.4	<0.001	<0.01	0.31	5.0	0.2	0.5	146.0	<0.01	<0.01	2.5
205224		<0.05	1.6	580	5.7	4.2	0.002	0.01	0.50	4.3	0.2	0.3	114.5	<0.01	<0.01	3.6
205225		<0.05	1.6	630	5.2	2.7	<0.001	<0.01	0.18	5.1	0.2	0.4	181.5	<0.01	<0.01	3.6
205226		<0.05	2.9	570	55.4	7.3	0.001	0.01	0.79	3.8	0.2	0.3	104.0	<0.01	<0.01	3.2
205227		<0.05	0.6	570	4.5	1.7	<0.001	<0.01	0.15	3.5	0.2	0.3	64.4	<0.01	<0.01	3.9
205228		<0.05	1.5	620	5.2	2.9	<0.001	0.01	0.17	5.1	0.2	0.4	92.2	<0.01	<0.01	3.8
205229		<0.05	1.3	620	3.2	1.7	0.001	<0.01	0.22	5.5	0.2	0.4	145.0	<0.01	<0.01	3.5
205230		0.17	17.2	670	23.0	24.4	0.034	1.79	7.21	6.5	2.9	1.7	70.7	<0.01	0.31	10.9
205231		<0.05	2.2	540	5.1	3.0	<0.001	0.02	0.17	3.8	0.2	0.4	129.5	<0.01	0.01	3.6
205232		<0.05	1.8	620	3.7	1.4	<0.001	0.03	0.19	3.1	<0.2	0.4	127.0	<0.01	<0.01	3.9
205233		<0.05	1.5	650	2.9	1.6	<0.001	0.02	0.31	2.7	<0.2	0.5	136.0	<0.01	<0.01	3.4
205234		<0.05	1.4	670	2.7	1.7	<0.001	0.02	0.35	2.8	<0.2	0.5	391	<0.01	<0.01	3.5
205235		<0.05	1.1	670	3.3	2.0	<0.001	0.02	0.48	2.9	<0.2	0.4	203	<0.01	0.01	3.5
205236		<0.05	1.4	610	3.8	4.1	<0.001	0.02	1.18	3.8	0.2	0.5	193.0	<0.01	<0.01	3.4
205237		<0.05	1.1	570	3.6	3.0	<0.001	0.02	0.86	3.1	0.2	0.4	132.5	<0.01	<0.01	3.3
205238		<0.05	1.5	630	3.6	2.5	<0.001	0.02	1.04	4.3	<0.2	0.5	141.0	<0.01	<0.01	4.1
205239		<0.05	1.6	560	3.4	3.4	<0.001	0.02	1.41	4.3	0.2	0.4	143.0	<0.01	<0.01	4.0
205240		2.67	103.5	1040	1.8	9.2	<0.001	0.04	0.06	5.9	0.2	0.6	123.5	0.04	<0.01	1.3
205241		0.09	2.8	600	3.0	2.2	<0.001	0.02	1.35	4.4	<0.2	0.4	137.5	<0.01	<0.01	4.5
205242		<0.05	2.0	580	3.0	2.3	<0.001	0.02	1.25	4.0	0.2	0.4	239	<0.01	<0.01	4.2



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Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10057556

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205218		0.109	<0.02	1.62	22	0.10	7.39	8	6.0
205219		0.116	<0.02	1.44	23	0.09	7.30	6	5.1
205220		0.673	<0.02	0.61	113	0.17	10.60	57	44.8
205221		0.117	<0.02	1.62	23	0.06	7.20	4	4.8
205222		0.103	<0.02	1.44	25	0.06	7.58	6	4.8
205223		0.080	0.02	1.23	38	0.13	7.45	14	4.5
205224		<0.005	0.03	0.88	29	0.07	10.30	52	1.0
205225		<0.005	0.02	1.19	27	0.07	11.30	52	2.1
205226		<0.005	0.04	4.13	25	0.29	13.35	77	1.7
205227		<0.005	0.02	1.13	24	<0.05	7.79	15	2.9
205228		<0.005	0.02	1.72	32	0.09	9.51	22	2.4
205229		<0.005	<0.02	2.02	35	<0.05	11.40	24	2.6
205230		0.041	0.33	4.55	55	2.70	11.70	69	4.0
205231		<0.005	0.02	4.46	24	0.30	11.55	48	2.9
205232		<0.005	0.02	4.17	23	0.56	8.34	18	3.2
205233		<0.005	0.02	4.95	26	0.33	9.34	17	2.8
205234		<0.005	0.02	2.90	26	0.33	8.62	11	3.0
205235		<0.005	<0.02	0.89	24	0.24	6.85	10	3.3
205236		<0.005	0.02	0.97	37	0.59	10.20	18	3.1
205237		<0.005	0.02	1.01	28	0.39	11.60	12	3.0
205238		<0.005	0.02	0.96	38	0.13	8.89	16	3.5
205239		<0.005	0.02	0.69	35	0.14	10.85	19	3.6
205240		0.401	0.02	0.44	72	0.16	6.98	38	36.2
205241		0.012	<0.02	0.61	45	0.07	8.17	13	4.6
205242		0.008	<0.02	0.62	41	0.05	9.36	15	4.0



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CERTIFICATE OF ANALYSIS VA10057556

Method	CERTIFICATE COMMENTS
ME-MS41	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).



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CERTIFICATE VA10058406

Project: Woodjam North
 P.O. No.: WJN-2010-22
 This report is for 130 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 12-MAY-2010.
 The following have access to data associated with this certificate:

BLAIRD JULIANNE MADSEN	NATE BREWER ROSS SHERLOCK	JOHN HERTEL TWILA SKINNER
---------------------------	------------------------------	------------------------------

SAMPLE PREPARATION

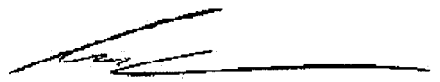
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS41	51 anal. aqua regia ICPMS	

To: GOLD FIELDS HORSEFLY EXPLORATION INC.
ATTN: JULIANNE MADSEN
1155 ROBSON STREET, SUITE 400
VANCOUVER BC V6E 1B5

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 VA10058406

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
205243		4.72	0.014	0.13	0.63	27.8	<0.2	<10	60	0.09	0.16	0.71	0.01	11.65	3.1	11
205244		6.84	0.027	0.10	0.55	5.1	<0.2	<10	80	0.10	0.06	0.64	0.05	11.20	2.9	12
205245		5.46	0.061	0.35	0.70	10.4	<0.2	<10	90	0.12	0.08	0.89	0.19	12.30	3.3	8
205246		6.36	0.028	0.08	0.65	7.0	<0.2	<10	80	0.11	0.03	0.74	<0.01	12.15	3.9	12
205247		4.96	0.125	1.81	0.86	14.1	0.2	<10	90	0.14	0.13	1.40	0.34	13.45	4.4	10
205248		5.64	0.134	1.24	0.75	14.8	<0.2	<10	90	0.17	0.15	1.53	0.11	12.50	4.5	6
205249		6.66	0.092	0.28	0.57	5.4	<0.2	<10	70	0.08	0.07	0.65	0.02	13.25	4.4	11
205250		0.14	0.279	2.03	1.42	46.8	0.3	<10	110	0.38	0.36	4.23	1.31	18.40	19.3	25
205251		5.56	0.106	0.20	0.54	14.4	<0.2	<10	90	0.09	0.14	0.61	0.02	11.65	4.5	14
205252		2.78	0.041	0.09	0.69	5.3	<0.2	<10	50	0.18	0.12	1.19	<0.01	13.35	3.8	7
205253		3.52	0.003	0.01	0.67	4.3	<0.2	<10	100	0.16	0.02	1.85	<0.01	13.80	1.8	4
205254		3.56	0.002	0.01	0.61	4.5	<0.2	<10	50	0.14	0.06	1.89	<0.01	13.20	1.6	4
205255		5.88	0.031	0.14	0.62	5.7	<0.2	<10	70	0.09	0.03	0.78	<0.01	13.25	3.6	13
205256		4.38	0.046	0.13	0.53	7.7	<0.2	<10	90	0.05	0.06	0.54	<0.01	11.25	4.7	8
205257		4.24	0.077	0.21	0.76	8.5	<0.2	<10	410	0.08	0.11	0.60	0.01	12.90	5.1	10
205258		4.36	0.092	0.33	0.83	14.6	<0.2	<10	150	0.07	0.14	0.61	0.06	12.60	6.1	8
205259		3.76	0.035	0.31	0.99	8.0	<0.2	<10	140	0.10	0.05	0.64	0.06	12.50	6.8	10
205260		0.24	<0.001	0.03	2.63	0.7	<0.2	<10	70	1.15	<0.01	2.81	0.02	39.8	40.2	42
205261		4.24	0.032	0.23	0.82	6.6	<0.2	<10	130	0.10	0.10	0.59	0.03	13.80	6.4	9
205262		4.14	0.022	0.14	0.76	9.9	<0.2	<10	110	0.10	0.06	0.69	0.10	15.05	4.5	9
205263		4.18	0.023	0.09	0.52	2.5	<0.2	<10	70	0.06	0.04	0.52	<0.01	11.75	4.0	8
205264		3.98	0.062	0.26	0.60	3.3	<0.2	<10	60	0.05	0.14	0.55	<0.01	10.40	5.2	7
205265		4.06	0.056	0.29	0.72	3.8	<0.2	<10	90	0.07	0.17	0.48	0.02	10.60	6.5	8
205266		4.46	0.101	0.35	0.68	6.4	0.4	<10	70	0.06	0.24	0.50	<0.01	11.05	6.6	9
205267		3.70	0.039	0.15	0.77	5.4	<0.2	<10	110	0.07	0.13	0.63	<0.01	12.70	6.5	8
205268		4.22	0.031	0.22	0.71	6.1	<0.2	<10	130	0.08	0.11	0.62	0.02	13.95	4.8	7
205269		4.20	0.005	0.09	0.58	5.0	<0.2	<10	130	0.07	0.09	0.52	<0.01	12.50	4.5	8
205270		0.14	1.130	2.10	2.28	10.5	0.8	<10	140	0.12	0.44	1.42	1.49	7.10	30.0	59
205271		3.80	0.001	0.05	0.63	4.0	<0.2	<10	110	0.08	0.02	0.51	0.01	13.45	4.4	7
205272		4.12	0.004	0.07	0.62	8.8	<0.2	<10	90	0.08	0.02	0.47	<0.01	13.00	4.9	8
205273		4.74	0.003	0.02	0.57	3.2	<0.2	<10	80	0.11	0.02	0.47	0.02	12.40	4.0	7
205274		4.08	0.008	0.06	0.51	19.0	<0.2	<10	100	0.11	0.02	0.75	0.06	11.80	3.4	5
205275		4.12	0.074	0.30	0.59	36.9	<0.2	<10	70	0.14	0.08	0.79	0.12	12.30	4.5	6
205276		3.96	<0.001	0.04	0.60	7.6	<0.2	<10	90	0.11	0.02	0.69	0.08	12.10	3.5	11
205277		4.34	0.001	0.03	0.46	6.5	<0.2	<10	80	0.09	0.01	0.69	0.15	11.65	2.5	6
205278		4.30	0.002	0.08	0.48	6.1	<0.2	<10	40	0.12	0.04	1.01	0.08	10.95	2.5	5
205279		3.72	<0.001	0.07	0.40	4.2	<0.2	<10	50	0.12	0.02	0.52	0.05	10.10	2.4	5
205280		0.30	<0.001	0.02	1.86	0.8	<0.2	<10	40	0.92	0.01	2.03	0.05	31.5	31.2	24
205281		3.96	<0.001	0.06	0.46	5.3	<0.2	<10	110	0.13	0.02	0.63	0.07	11.50	3.3	9
205282		4.06	<0.001	0.08	0.51	4.6	<0.2	<10	60	0.14	0.02	0.53	0.06	11.90	3.2	5



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CERTIFICATE OF ANALYSIS VA10058406

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
205243		1.26	45.1	1.69	3.44	0.06	0.26	0.09	0.009	0.05	5.6	10.7	0.44	194	1.74	0.07
205244		1.27	116.0	1.86	3.12	0.06	0.26	0.11	0.032	0.06	5.7	6.9	0.30	150	1.23	0.08
205245		0.98	278	1.72	3.88	0.06	0.26	0.13	0.008	0.06	6.2	10.4	0.43	190	1.96	0.07
205246		0.93	105.5	2.00	3.80	0.05	0.27	0.11	0.008	0.06	6.0	9.7	0.39	216	0.77	0.08
205247		2.26	458	2.27	4.19	0.05	0.16	0.11	0.009	0.10	6.5	11.4	0.39	378	1.82	0.06
205248		2.15	490	2.14	4.27	0.05	0.12	0.01	0.007	0.10	6.4	13.0	0.44	381	5.03	0.05
205249		1.00	282	2.52	4.20	0.07	0.24	0.10	0.006	0.07	6.7	9.0	0.40	178	1.71	0.08
205250		1.08	3330	4.63	6.06	0.09	0.08	0.34	0.074	0.20	9.6	11.3	1.29	623	449	0.08
205251		0.85	462	2.32	3.65	0.06	0.22	0.10	0.005	0.08	5.7	6.8	0.35	174	3.80	0.08
205252		1.45	181.5	1.59	3.80	<0.05	0.18	0.10	0.014	0.07	6.4	10.2	0.45	247	2.13	0.07
205253		1.57	5.7	0.60	2.95	<0.05	0.16	0.07	0.018	0.05	6.6	6.9	0.26	256	0.42	0.09
205254		1.54	3.7	0.66	2.74	<0.05	0.16	0.11	0.025	0.05	6.4	8.6	0.34	258	0.68	0.08
205255		0.96	161.0	1.74	3.47	0.06	0.26	0.10	0.009	0.06	6.8	8.3	0.40	212	1.91	0.09
205256		0.96	340	2.29	3.58	0.06	0.24	0.13	0.006	0.11	5.8	7.6	0.36	198	8.12	0.09
205257		1.39	646	2.44	4.47	0.06	0.27	0.12	0.007	0.22	6.3	7.4	0.39	191	17.00	0.17
205258		1.49	1015	2.78	5.15	0.07	0.25	0.13	0.015	0.19	6.3	10.0	0.48	175	6.10	0.15
205259		2.13	853	2.77	5.64	0.08	0.25	0.14	0.020	0.28	6.2	11.3	0.55	200	5.94	0.19
205260		0.22	59.1	4.90	11.15	0.19	0.52	0.21	0.046	0.67	18.4	4.9	3.60	726	2.98	1.11
205261		1.41	1090	2.79	4.97	0.08	0.29	0.14	0.018	0.21	6.9	8.1	0.43	199	7.57	0.18
205262		0.57	352	2.55	4.18	0.07	0.33	0.10	0.007	0.14	7.9	5.9	0.32	192	2.96	0.18
205263		0.55	213	2.27	3.48	0.06	0.24	0.11	<0.005	0.08	5.9	5.6	0.30	128	12.05	0.10
205264		1.35	777	2.38	4.20	0.08	0.21	0.09	<0.005	0.15	5.3	8.6	0.44	131	8.83	0.09
205265		2.57	1085	2.52	4.71	0.07	0.24	0.14	0.011	0.27	5.5	10.9	0.53	174	32.4	0.11
205266		2.76	1285	2.59	4.84	0.07	0.22	0.11	0.005	0.29	5.8	13.6	0.56	171	21.7	0.09
205267		2.61	571	2.65	5.03	0.08	0.24	0.11	0.005	0.27	6.6	14.0	0.57	201	84.2	0.10
205268		1.40	440	2.47	4.31	0.08	0.26	0.12	0.006	0.17	7.2	10.8	0.41	215	44.3	0.14
205269		0.64	266	2.46	3.76	0.06	0.27	0.09	0.006	0.11	6.4	7.0	0.30	189	22.3	0.15
205270		0.90	5280	4.84	7.52	0.10	0.13	0.24	0.177	0.24	3.2	9.7	1.37	399	261	0.14
205271		0.83	165.0	2.30	3.71	0.06	0.26	0.09	0.007	0.13	7.0	8.6	0.32	212	9.71	0.15
205272		1.15	419	2.45	3.95	0.07	0.29	0.12	0.010	0.17	6.7	8.4	0.35	173	35.1	0.14
205273		0.93	145.5	2.26	3.79	0.09	0.27	<0.01	0.007	0.13	6.0	8.3	0.31	131	36.2	0.12
205274		0.81	114.5	1.86	3.40	0.08	0.23	<0.01	0.006	0.08	5.9	7.2	0.26	175	31.5	0.09
205275		0.94	422	2.14	3.77	0.08	0.24	<0.01	0.008	0.10	6.5	8.0	0.27	189	49.8	0.09
205276		0.72	41.9	1.99	3.49	0.09	0.23	<0.01	0.005	0.09	6.1	5.2	0.19	146	6.72	0.11
205277		0.67	37.8	1.75	2.80	0.08	0.22	0.01	0.007	0.06	5.6	4.3	0.20	130	1.36	0.10
205278		0.79	44.5	1.42	2.71	0.09	0.19	<0.01	0.012	0.04	5.2	7.7	0.39	184	1.07	0.09
205279		0.55	27.6	1.69	2.69	0.08	0.22	<0.01	0.006	0.06	5.0	4.5	0.25	115	2.19	0.09
205280		0.13	26.8	3.22	7.38	0.17	0.68	<0.01	0.030	0.43	13.7	3.7	2.88	540	2.22	0.74
205281		0.52	22.2	1.79	3.00	0.08	0.27	<0.01	0.008	0.07	6.1	5.9	0.24	174	1.22	0.10
205282		0.64	22.5	1.90	3.47	0.09	0.22	0.01	0.009	0.07	5.9	12.1	0.36	197	1.19	0.10



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Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10058406

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr %	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205243		0.17	3.1	620	22.0	2.5	<0.001	0.01	1.33	2.5	<0.2	0.5	42.2	<0.01	0.07	2.0
205244		0.22	1.5	610	7.0	2.6	<0.001	<0.01	0.41	1.9	0.2	0.4	46.6	<0.01	0.06	1.8
205245		0.21	1.7	620	13.4	2.8	<0.001	0.01	0.76	2.7	<0.2	0.5	58.3	<0.01	0.11	2.2
205246		0.22	1.6	610	5.4	3.3	<0.001	0.01	0.38	2.4	<0.2	0.4	46.8	<0.01	0.04	2.2
205247		0.14	1.7	630	9.5	6.5	<0.001	0.01	1.98	3.2	0.6	0.4	71.7	<0.01	0.12	2.0
205248		0.10	1.8	590	8.7	9.3	0.010	0.03	0.51	2.3	0.8	0.3	65.5	0.02	0.11	2.0
205249		0.21	1.7	630	4.5	4.4	0.002	0.02	0.19	2.3	0.4	0.5	40.6	<0.01	0.08	2.7
205250		0.05	21.4	1150	9.7	9.7	0.081	1.88	4.96	8.9	6.3	0.9	142.0	<0.01	0.26	1.3
205251		0.19	2.4	590	3.0	6.2	0.006	0.02	0.47	2.1	0.6	0.4	51.9	<0.01	0.12	2.1
205252		0.13	1.9	650	3.9	6.6	0.001	0.01	0.62	3.4	0.3	0.4	62.4	<0.01	0.05	1.8
205253		0.11	1.7	670	2.4	4.3	<0.001	0.01	0.61	2.6	<0.2	0.4	107.5	<0.01	0.02	2.0
205254		0.13	1.7	610	3.6	4.7	<0.001	0.01	0.60	1.9	<0.2	0.6	72.4	<0.01	0.03	2.5
205255		0.25	1.7	560	4.7	3.5	<0.001	0.01	0.64	2.2	0.2	0.5	58.1	<0.01	0.03	3.6
205256		0.22	1.6	550	2.7	11.4	0.008	0.02	0.14	2.0	0.4	0.5	41.8	<0.01	0.10	2.8
205257		0.19	1.8	510	2.6	21.6	0.028	0.04	0.11	2.2	0.8	0.7	61.5	<0.01	0.16	3.4
205258		0.21	2.1	610	5.5	17.8	0.008	0.06	0.20	2.5	1.4	0.7	63.0	<0.01	0.16	2.8
205259		0.19	2.3	580	12.4	29.0	0.001	0.06	0.20	2.7	1.1	0.5	61.3	<0.01	0.06	3.1
205260		2.51	134.0	1760	1.2	16.4	0.004	0.03	0.05	11.0	0.5	1.2	184.0	0.04	0.02	2.3
205261		0.32	4.6	610	3.8	18.2	<0.001	0.07	0.15	2.4	1.1	0.6	56.8	<0.01	0.09	3.7
205262		0.30	1.7	600	6.3	6.2	0.001	0.02	0.18	2.1	0.4	0.7	57.0	<0.01	0.04	5.0
205263		0.24	1.5	580	1.8	4.6	0.004	0.02	0.06	1.7	0.3	0.5	38.2	<0.01	0.04	2.8
205264		0.22	2.0	570	1.6	17.3	0.001	0.04	0.06	1.9	0.7	0.4	33.6	<0.01	0.14	2.7
205265		0.19	2.1	580	3.1	34.8	0.018	0.06	0.07	2.5	1.0	0.6	38.7	<0.01	0.17	3.0
205266		0.21	2.3	600	2.3	32.9	0.016	0.06	0.09	2.9	1.1	0.8	34.2	<0.01	0.26	3.7
205267		0.23	2.3	610	2.7	35.6	0.219	0.04	0.10	3.3	0.6	0.8	59.6	<0.01	0.15	3.7
205268		0.25	1.8	580	3.9	17.6	0.015	0.03	0.14	2.1	0.4	0.7	73.2	<0.01	0.11	3.6
205269		0.22	1.7	620	2.6	7.0	0.002	0.02	0.11	1.8	0.3	0.8	48.2	<0.01	0.03	4.5
205270		0.23	43.9	670	23.4	9.9	0.434	2.16	8.45	7.8	3.8	2.3	46.5	0.01	0.26	0.8
205271		0.25	1.7	580	3.2	9.0	<0.001	0.02	0.11	1.7	0.2	0.8	53.1	<0.01	0.02	4.2
205272		0.27	1.7	590	2.4	15.9	0.002	0.04	0.09	1.8	0.3	0.6	42.4	<0.01	0.02	4.2
205273		0.31	1.6	610	1.6	11.3	0.008	0.01	0.08	1.6	0.3	0.5	45.9	<0.01	0.01	3.4
205274		0.27	1.4	580	3.9	6.3	0.035	0.01	0.24	1.9	0.4	0.7	77.4	<0.01	0.02	3.4
205275		0.28	1.5	590	17.9	7.1	0.014	0.02	0.23	2.2	0.7	0.5	52.3	0.01	0.10	5.1
205276		0.37	1.4	550	5.7	4.0	0.004	<0.01	0.14	2.0	0.2	0.5	64.0	0.01	<0.01	4.0
205277		0.31	1.9	590	5.8	2.4	0.002	<0.01	0.23	1.8	0.2	0.6	62.6	<0.01	0.01	3.0
205278		0.20	1.6	610	5.4	2.1	0.001	<0.01	0.22	2.5	0.2	0.5	57.6	<0.01	0.01	2.6
205279		0.25	1.4	570	4.6	2.2	0.003	<0.01	0.17	1.4	0.2	0.5	42.5	<0.01	0.01	3.6
205280		2.29	118.5	1390	0.5	12.1	<0.001	0.02	0.05	6.8	0.4	0.8	130.0	0.02	<0.01	1.4
205281		0.32	3.3	540	6.5	2.5	0.002	<0.01	0.17	2.0	0.2	0.5	78.7	<0.01	<0.01	5.5
205282		0.20	1.6	550	6.9	2.8	0.001	<0.01	0.15	2.3	0.2	0.6	38.9	<0.01	<0.01	3.4



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205243		0.078	<0.02	1.46	49	0.14	5.50	26	4.9
205244		0.080	<0.02	1.48	54	0.16	5.21	21	4.4
205245		0.077	<0.02	1.66	51	0.12	6.00	49	4.6
205246		0.083	<0.02	1.48	59	0.13	6.00	34	4.3
205247		0.043	<0.02	1.39	62	0.13	6.73	49	3.1
205248		0.041	0.04	1.43	60	0.18	7.28	36	2.4
205249		0.092	<0.02	2.12	72	0.14	6.91	23	4.1
205250		0.010	0.07	0.54	86	4.12	14.35	61	2.5
205251		0.082	<0.02	1.61	65	0.10	6.05	18	3.7
205252		0.064	<0.02	1.61	50	0.08	6.89	44	3.3
205253		0.049	<0.02	1.65	26	0.07	7.65	45	3.6
205254		0.053	<0.02	1.92	30	0.12	7.49	45	3.1
205255		0.084	<0.02	2.10	48	0.14	6.51	36	4.3
205256		0.100	0.02	2.13	66	0.15	5.83	19	3.9
205257		0.123	0.05	2.64	66	0.12	7.39	14	4.4
205258		0.128	0.04	2.30	76	0.14	7.06	19	4.0
205259		0.144	0.08	2.23	74	0.13	7.50	21	4.2
205260		0.766	<0.02	0.81	129	0.19	13.45	61	39.4
205261		0.141	0.03	2.46	74	0.14	7.83	17	5.9
205262		0.117	<0.02	3.37	69	0.19	7.48	29	5.4
205263		0.096	<0.02	1.93	65	0.11	6.14	10	4.3
205264		0.113	0.04	1.89	66	0.10	5.84	9	3.5
205265		0.130	0.10	2.01	69	0.12	6.07	15	3.7
205266		0.125	0.10	2.45	73	0.08	6.23	12	3.5
205267		0.119	0.09	2.23	76	0.11	7.09	15	3.9
205268		0.120	0.03	2.32	71	0.17	7.79	19	4.3
205269		0.116	<0.02	3.06	71	0.17	6.97	12	5.2
205270		0.184	0.42	0.41	83	16.35	8.75	200	3.8
205271		0.116	<0.02	2.56	64	0.21	7.02	15	4.7
205272		0.126	0.03	2.52	69	0.16	7.12	10	4.7
205273		0.110	0.03	2.00	71	0.08	6.78	8	4.4
205274		0.072	0.02	2.12	61	0.05	6.25	24	3.7
205275		0.068	0.02	2.50	61	0.05	6.27	36	3.7
205276		0.072	<0.02	2.22	59	0.05	6.30	18	3.7
205277		0.078	<0.02	1.91	66	<0.05	6.44	18	3.5
205278		0.070	<0.02	1.79	60	0.06	6.12	46	3.3
205279		0.074	<0.02	3.04	62	0.06	5.73	22	3.4
205280		0.499	<0.02	0.50	90	0.12	9.39	47	41.4
205281		0.073	<0.02	2.43	57	0.06	5.67	50	4.8
205282		0.072	<0.02	1.98	62	0.07	6.06	124	3.5



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Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	
		0.02	0.001	0.01	0.01	0.1	0.2	<10	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
205283		3.82	<0.001	0.19	0.56	3.4	<0.2	<10	50	0.15	0.02	0.90	0.07	14.00	3.5	11	
205284		3.82	<0.001	0.06	0.45	3.7	<0.2	<10	50	0.11	0.01	0.78	0.04	10.80	3.0	5	
205285		4.44	0.001	0.10	0.44	3.8	<0.2	<10	30	0.12	0.01	1.16	0.05	12.35	2.6	5	
205286		3.96	0.003	0.08	0.63	3.5	<0.2	<10	40	0.19	0.02	1.26	0.05	13.95	3.2	10	
205287		4.28	0.011	0.24	0.50	9.6	<0.2	<10	30	0.13	0.03	0.94	0.14	12.60	3.4	6	
205288		3.92	0.022	0.53	0.61	28.7	<0.2	<10	40	0.13	0.38	1.18	0.65	11.95	6.2	5	
205289		3.44	0.003	0.04	0.77	5.6	<0.2	<10	40	0.16	0.05	0.92	0.24	10.40	2.3	13	
205290		0.14	0.190	2.05	1.49	25.9	0.2	<10	130	0.47	2.38	1.74	1.01	39.7	16.8	62	
205291		3.94	<0.001	0.06	0.79	4.8	<0.2	<10	10	0.22	0.04	1.10	0.07	9.81	2.4	4	
205292		3.76	0.008	0.04	0.95	5.5	<0.2	<10	20	0.26	0.06	1.26	0.06	11.50	1.8	4	
205293		4.30	<0.001	0.05	0.97	6.9	<0.2	<10	10	0.22	0.08	1.28	0.02	11.65	1.7	5	
205294		3.62	<0.001	0.04	0.82	8.3	<0.2	<10	30	0.30	0.04	0.77	0.02	13.60	2.2	4	
205295		3.66	<0.001	0.10	0.85	7.4	<0.2	<10	30	0.29	0.04	0.77	0.04	13.75	3.0	5	
205296		1.96	<0.001	0.07	0.67	5.2	<0.2	<10	40	0.21	0.03	0.55	0.13	13.50	2.9	4	
205297		6.12	<0.001	0.11	0.66	3.7	<0.2	<10	60	0.15	0.03	0.61	0.07	13.30	3.1	5	
205298		5.48	0.002	0.07	0.68	4.3	<0.2	<10	50	0.16	0.05	0.90	0.03	12.05	3.3	11	
205299		6.20	0.001	0.14	0.59	4.4	<0.2	<10	50	0.18	0.08	0.92	0.06	12.65	3.6	11	
205300		0.38	<0.001	0.02	2.01	0.6	<0.2	<10	50	0.92	0.02	2.28	0.08	28.3	30.9	31	
205301		5.88	0.004	0.45	0.48	12.1	<0.2	<10	70	0.14	0.17	0.55	0.18	11.70	3.9	6	
205302		4.96	0.007	0.13	0.67	4.5	<0.2	<10	120	0.12	0.10	0.73	0.07	13.20	4.0	5	
205303		5.74	0.071	0.11	0.67	6.4	<0.2	<10	150	0.13	0.11	0.65	0.25	12.70	3.2	6	
205304		5.54	0.048	1.44	0.97	22.7	<0.2	<10	120	0.19	0.13	0.99	1.42	12.00	4.9	5	
205305		6.46	0.013	0.15	0.52	4.5	<0.2	<10	70	0.12	0.06	1.10	0.09	12.85	3.8	7	
205306		6.12	0.009	0.24	0.52	4.7	<0.2	<10	70	0.10	0.05	0.79	0.14	11.20	3.6	12	
205307		6.58	0.001	0.14	0.51	3.1	<0.2	<10	100	0.13	0.02	1.21	0.06	12.35	3.2	6	
205308		6.04	<0.001	0.10	0.85	6.2	<0.2	<10	40	0.22	0.03	1.92	0.05	17.00	6.4	9	
205309		5.34	0.003	0.24	0.55	6.0	<0.2	<10	50	0.16	0.07	1.14	0.14	13.35	4.8	7	
205310		0.14	0.267	3.36	1.50	48.0	10.0	<10	120	0.43	0.36	4.34	1.31	18.45	20.2	25	
205311		6.28	0.009	0.53	0.60	11.4	<0.2	<10	60	0.16	0.05	1.07	0.49	12.00	5.0	12	
205312		4.60	0.009	0.14	0.46	4.4	<0.2	<10	40	0.12	0.07	0.79	0.12	11.30	3.9	8	
205313		7.86	0.004	0.08	0.51	4.2	<0.2	<10	40	0.12	0.04	0.88	0.06	11.20	4.2	7	
205314		6.18	0.002	0.07	0.41	4.6	<0.2	<10	50	0.10	0.03	0.82	0.11	11.65	3.1	13	
205315		5.74	0.001	0.03	0.46	4.3	<0.2	<10	100	0.12	0.02	0.86	0.05	10.30	2.7	6	
205316		6.52	0.001	0.05	0.44	4.5	<0.2	<10	50	0.13	0.05	0.82	0.04	11.10	3.6	8	
205317		6.46	0.002	0.06	0.47	5.5	<0.2	<10	60	0.12	0.06	0.76	0.05	11.55	4.4	12	
205318		1.92	0.001	0.02	0.32	8.3	<0.2	<10	50	0.09	0.03	0.53	0.02	11.05	3.9	7	
205319		5.92	<0.001	0.05	0.37	3.9	<0.2	<10	50	0.23	0.05	1.11	0.04	18.00	4.2	4	
205320		0.38	0.001	0.02	1.84	0.5	<0.2	<10	40	0.85	<0.01	2.16	0.04	27.3	31.4	31	
205321		5.94	0.001	0.03	0.74	9.3	<0.2	<10	130	0.34	0.02	2.41	0.06	22.2	5.7	5	
205322		5.32	0.007	0.18	0.73	17.8	<0.2	<10	110	0.24	0.05	1.99	0.05	15.10	4.2	6	



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
205283		0.82	18.7	1.94	3.50	0.07	0.21	0.01	0.010	0.07	6.7	15.2	0.42	256	1.20	0.09
205284		0.78	18.7	1.72	3.07	0.07	0.19	<0.01	0.008	0.06	5.2	9.2	0.29	208	2.36	0.08
205285		1.00	24.3	1.46	2.70	0.05	0.15	<0.01	0.007	0.05	5.8	7.2	0.26	243	1.37	0.07
205286		1.34	20.1	1.41	3.14	0.06	0.17	<0.01	0.014	0.07	6.9	13.0	0.44	294	4.40	0.09
205287		0.86	137.5	1.72	3.19	0.07	0.18	<0.01	0.008	0.06	6.2	11.7	0.37	218	70.0	0.07
205288		1.11	179.0	1.31	3.47	0.07	0.17	0.02	0.029	0.08	5.8	16.7	0.53	264	103.5	0.07
205289		0.92	7.4	1.02	3.60	0.08	0.21	0.01	0.010	0.05	5.1	19.6	0.64	216	38.9	0.10
205290		2.00	1875	3.87	5.03	0.09	0.12	0.11	0.071	0.48	21.0	8.2	0.80	347	159.0	0.06
205291		1.06	7.9	0.72	3.57	0.07	0.17	<0.01	0.009	0.04	5.0	19.9	0.69	236	12.35	0.08
205292		1.18	6.2	0.72	3.91	0.07	0.19	<0.01	0.012	0.06	5.6	19.4	0.56	245	4.96	0.13
205293		0.81	5.7	0.77	4.47	0.10	0.23	<0.01	0.023	0.05	5.8	21.2	0.67	255	0.82	0.11
205294		1.15	10.6	0.65	3.70	0.07	0.29	<0.01	0.011	0.06	6.8	24.7	0.72	246	0.77	0.15
205295		1.16	18.2	0.98	3.87	0.08	0.30	<0.01	0.012	0.06	7.0	26.2	0.78	304	0.88	0.15
205296		0.87	29.9	1.45	3.17	0.07	0.29	<0.01	0.008	0.07	6.9	14.8	0.50	223	1.31	0.14
205297		0.68	23.2	1.88	3.31	0.09	0.26	0.01	0.007	0.09	6.4	12.3	0.46	204	2.12	0.13
205298		1.10	27.2	1.66	3.35	0.07	0.19	0.01	0.011	0.07	6.0	14.3	0.47	255	19.95	0.09
205299		1.21	37.5	1.87	3.18	0.05	0.23	<0.01	0.010	0.06	6.8	14.4	0.44	279	11.45	0.08
205300		0.12	26.5	3.61	7.52	0.15	0.81	<0.01	0.037	0.37	13.9	4.2	3.18	599	2.25	0.87
205301		0.75	263	2.02	3.05	0.06	0.25	<0.01	0.039	0.06	6.4	9.5	0.33	214	15.60	0.08
205302		0.74	153.0	2.09	3.75	0.07	0.30	<0.01	0.006	0.10	6.6	10.1	0.40	192	11.40	0.13
205303		0.73	259	1.86	3.49	0.08	0.29	<0.01	0.008	0.08	6.3	9.6	0.42	161	14.20	0.14
205304		1.04	671	2.22	4.95	0.07	0.26	0.01	0.017	0.11	6.3	16.8	0.55	313	55.0	0.13
205305		1.66	128.0	1.99	3.16	<0.05	0.24	<0.01	0.011	0.07	7.0	8.4	0.26	301	9.31	0.08
205306		1.50	246	2.00	3.15	0.06	0.26	<0.01	0.010	0.09	5.9	7.5	0.28	225	8.46	0.09
205307		1.27	27.5	1.89	3.06	0.06	0.21	<0.01	0.009	0.06	6.5	8.4	0.28	278	3.64	0.08
205308		1.64	15.3	2.42	5.63	<0.05	0.13	0.01	0.013	0.07	8.7	19.4	0.72	628	9.07	0.08
205309		1.47	86.7	2.32	3.73	0.06	0.17	<0.01	0.009	0.07	7.1	9.1	0.31	334	11.75	0.07
205310		1.10	3500	4.73	6.01	0.11	0.07	0.19	0.072	0.21	9.7	12.7	1.35	646	469	0.09
205311		1.00	169.0	2.27	3.91	0.06	0.18	<0.01	0.011	0.07	6.5	11.2	0.39	301	5.61	0.08
205312		0.82	182.0	2.16	3.36	0.07	0.21	<0.01	0.006	0.07	5.9	7.2	0.27	200	17.20	0.08
205313		0.96	101.5	2.12	3.67	0.07	0.20	<0.01	0.008	0.06	5.9	9.5	0.35	235	8.31	0.07
205314		0.60	80.8	2.02	2.85	0.07	0.25	<0.01	0.009	0.06	6.0	5.4	0.20	187	3.77	0.10
205315		0.63	31.9	1.74	2.93	0.06	0.21	<0.01	0.007	0.04	5.4	5.9	0.24	197	1.19	0.09
205316		0.58	32.9	2.02	3.03	0.07	0.23	<0.01	0.008	0.05	5.9	5.8	0.22	245	2.86	0.09
205317		0.70	69.9	2.39	3.42	0.07	0.20	<0.01	0.006	0.08	6.2	5.6	0.19	267	9.17	0.09
205318		0.71	14.3	2.22	2.73	0.06	0.21	<0.01	<0.005	0.05	6.0	2.7	0.11	168	1.21	0.08
205319		1.07	23.1	1.81	2.40	<0.05	0.13	<0.01	0.012	0.05	8.8	1.9	0.21	376	1.06	0.08
205320		0.12	20.6	3.30	6.92	0.14	0.66	<0.01	0.031	0.38	12.7	3.5	2.98	570	2.09	0.73
205321		1.06	39.2	2.03	3.21	0.06	0.15	<0.01	0.010	0.06	10.8	2.9	0.58	724	7.15	0.12
205322		1.60	376	1.90	3.77	0.06	0.13	<0.01	0.011	0.12	7.3	3.5	0.28	489	19.95	0.12



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205283		0.17	1.8	570	7.9	3.2	0.001	<0.01	0.14	3.2	0.2	0.6	38.2	<0.01	<0.01	3.7
205284		0.22	1.6	540	4.9	3.3	0.005	<0.01	0.12	2.2	0.2	0.5	39.6	<0.01	<0.01	4.0
205285		0.19	1.5	520	6.6	2.8	0.002	<0.01	0.13	2.3	0.2	0.5	40.9	<0.01	<0.01	4.1
205286		0.15	1.5	550	4.2	4.0	0.012	<0.01	0.18	3.0	0.3	0.5	54.7	<0.01	0.01	4.8
205287		0.20	1.5	520	19.2	4.1	0.053	0.01	0.63	2.7	0.5	0.5	35.7	<0.01	0.03	4.4
205288		0.15	3.0	530	15.0	5.9	0.103	0.02	2.88	2.8	0.7	0.5	38.4	<0.01	0.18	4.3
205289		0.19	1.7	530	3.3	3.2	0.033	<0.01	0.78	3.1	0.2	0.5	67.2	<0.01	0.02	4.2
205290		0.12	15.3	700	20.5	34.0	0.044	1.86	6.46	6.5	3.0	1.8	69.1	<0.01	0.28	10.0
205291		0.14	1.5	530	3.2	2.7	0.009	<0.01	0.73	3.2	0.2	0.3	64.6	<0.01	0.03	3.0
205292		0.20	1.4	540	4.6	4.0	0.004	<0.01	0.95	3.4	0.2	0.4	78.5	<0.01	0.01	3.7
205293		0.21	1.6	520	3.8	3.3	<0.001	<0.01	1.59	3.0	<0.2	0.5	89.7	<0.01	0.01	3.3
205294		0.19	1.2	550	5.4	4.0	<0.001	<0.01	0.83	3.4	0.2	0.5	58.7	<0.01	<0.01	5.0
205295		0.18	1.4	540	9.9	4.0	<0.001	<0.01	0.80	3.7	0.2	0.6	54.5	<0.01	0.01	4.8
205296		0.22	1.3	530	12.5	3.7	0.001	<0.01	0.44	2.5	0.2	0.5	44.5	<0.01	<0.01	5.1
205297		0.22	1.3	530	12.7	3.8	0.003	<0.01	0.42	2.4	0.2	0.4	46.8	<0.01	<0.01	3.3
205298		0.18	1.6	560	4.4	3.5	0.011	<0.01	0.36	2.7	0.3	0.4	53.0	<0.01	0.02	3.0
205299		0.16	1.8	560	5.8	3.9	0.008	<0.01	0.67	3.1	0.2	0.4	41.9	<0.01	<0.01	4.2
205300		3.24	123.0	1340	0.7	9.0	<0.001	0.02	0.07	7.9	0.2	0.8	154.0	0.06	<0.01	1.6
205301		0.24	1.5	540	16.4	3.4	0.010	0.01	1.42	1.9	0.2	0.3	44.6	<0.01	0.05	4.9
205302		0.24	1.8	560	6.4	6.7	0.008	<0.01	0.20	2.3	0.2	0.4	81.7	<0.01	0.03	3.7
205303		0.23	1.7	560	11.4	5.3	0.011	0.01	0.21	2.0	0.3	0.4	99.6	<0.01	0.07	3.7
205304		0.18	2.3	560	59.1	6.7	0.042	0.06	1.02	2.8	1.0	0.4	87.3	0.01	0.09	4.6
205305		0.18	1.7	540	13.7	5.0	0.005	0.01	0.33	2.6	<0.2	0.3	59.4	<0.01	0.01	4.5
205306		0.23	1.9	550	5.6	7.3	0.006	0.02	0.48	1.8	0.3	0.4	49.1	<0.01	0.03	3.4
205307		0.17	1.9	570	7.6	3.7	0.002	<0.01	0.27	2.8	<0.2	0.4	72.8	<0.01	0.01	3.3
205308		<0.05	3.3	640	5.9	6.9	0.005	0.01	0.32	4.8	<0.2	0.3	57.8	<0.01	<0.01	3.2
205309		0.18	2.1	610	17.1	5.2	0.005	0.02	0.87	3.0	0.2	0.3	49.2	0.02	0.01	3.9
205310		0.05	22.5	1240	9.9	9.6	0.072	2.07	5.53	9.2	6.5	0.8	148.5	0.01	0.24	1.4
205311		0.16	2.1	580	23.8	4.9	0.002	0.02	1.11	3.1	0.2	0.3	56.3	0.01	0.02	4.3
205312		0.27	1.9	610	10.3	4.8	0.007	0.02	0.24	2.5	0.4	0.4	45.3	0.01	0.08	3.1
205313		0.23	1.9	610	6.2	4.7	0.004	0.02	0.22	2.7	0.2	0.5	43.5	0.01	0.01	2.9
205314		0.34	2.0	630	7.5	2.9	0.002	0.02	0.16	2.1	0.2	0.6	49.1	0.02	0.01	3.0
205315		0.27	2.1	610	7.9	2.5	<0.001	0.01	0.25	2.3	0.2	0.5	80.4	0.01	<0.01	3.4
205316		0.31	1.7	620	2.6	3.2	<0.001	0.01	0.18	2.4	0.2	0.6	54.5	0.02	<0.01	3.7
205317		0.36	2.5	620	3.5	4.5	0.002	0.01	0.13	1.9	0.2	0.5	50.6	0.02	0.01	3.0
205318		0.35	3.7	620	1.7	2.6	<0.001	0.01	0.18	1.6	0.2	0.5	44.1	0.01	<0.01	2.8
205319		<0.05	5.1	590	2.9	3.6	<0.001	0.01	0.21	3.9	0.2	0.6	95.7	0.01	<0.01	3.7
205320		2.68	115.0	1350	0.5	10.0	<0.001	0.03	<0.05	7.9	0.4	0.8	129.0	0.05	<0.01	1.4
205321		0.12	7.4	630	4.3	5.0	0.005	0.02	0.21	4.9	0.3	0.5	170.0	0.02	0.01	3.1
205322		<0.05	3.0	600	3.7	13.1	0.006	0.05	0.58	4.8	0.3	0.4	138.5	0.02	0.02	3.7



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		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205283		0.062	0.02	2.16	65	0.07	7.67	109	3.1
205284		0.064	<0.02	2.05	58	0.05	6.17	31	3.0
205285		0.049	<0.02	2.15	56	<0.05	6.85	53	2.7
205286		0.044	0.02	2.25	44	<0.05	7.43	66	3.0
205287		0.056	0.02	2.37	52	0.05	6.85	56	2.9
205288		0.066	0.03	2.89	41	0.18	6.53	84	3.0
205289		0.082	0.02	3.05	37	0.16	5.90	54	3.4
205290		0.038	0.30	4.15	57	2.74	11.45	66	4.0
205291		0.060	<0.02	2.62	24	0.23	5.32	185	2.8
205292		0.082	0.03	2.47	27	0.09	6.75	244	3.4
205293		0.088	0.03	2.06	29	0.17	6.96	358	4.1
205294		0.095	0.03	2.44	24	0.11	7.28	326	4.4
205295		0.096	0.03	2.16	31	0.16	7.14	210	4.6
205296		0.093	0.02	2.44	42	0.12	6.90	54	4.3
205297		0.097	0.02	2.08	55	0.11	6.97	66	4.1
205298		0.070	0.02	1.94	50	0.10	6.18	76	3.3
205299		0.056	0.02	2.59	53	0.32	6.65	65	3.1
205300		0.560	0.02	0.55	90	0.29	9.25	49	43.1
205301		0.071	<0.02	2.46	58	0.23	5.74	36	3.4
205302		0.093	0.02	2.16	62	0.18	7.16	32	4.1
205303		0.099	0.02	2.20	61	0.15	7.30	47	4.3
205304		0.069	0.03	2.40	62	0.15	6.42	171	4.1
205305		0.049	0.03	2.21	56	0.14	6.44	39	3.4
205306		0.074	0.03	1.94	57	0.17	5.82	27	3.5
205307		0.052	0.02	1.82	63	0.12	6.53	54	3.1
205308		0.016	0.04	1.63	71	0.23	9.40	131	2.3
205309		0.047	0.03	1.98	62	0.22	7.25	75	2.9
205310		0.010	0.10	0.58	88	3.99	14.55	64	2.5
205311		0.056	0.02	2.32	61	0.17	6.55	146	2.9
205312		0.076	0.02	2.11	66	0.18	6.36	44	3.4
205313		0.071	0.02	2.09	61	0.16	6.36	75	3.3
205314		0.091	<0.02	2.46	79	0.16	6.71	36	4.2
205315		0.080	<0.02	2.10	90	0.12	5.97	49	3.6
205316		0.073	<0.02	2.52	79	0.14	5.96	16	3.9
205317		0.077	<0.02	2.39	67	0.18	6.37	20	3.4
205318		0.070	<0.02	2.02	65	0.12	6.16	10	3.3
205319		0.006	<0.02	1.29	47	<0.05	9.01	25	2.4
205320		0.516	<0.02	0.51	90	0.17	9.06	48	40.4
205321		0.011	<0.02	1.60	52	<0.05	15.85	25	3.7
205322		0.020	0.04	1.83	56	0.07	12.15	19	2.8



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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
1155 ROBSON STREET, SUITE 400
VANCOUVER BC V6E 1B5

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Plus Appendix Pages
Finalized Date: 27-MAY-2010
Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10058406

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
205323		6.28	0.001	0.12	0.91	8.4	<0.2	<10	60	0.29	0.06	1.63	0.05	16.05	5.2	5
205324		5.60	<0.001	0.10	0.90	5.3	<0.2	<10	60	0.31	0.12	1.50	0.04	16.35	3.9	5
205325		4.24	<0.001	0.03	0.54	3.8	<0.2	<10	100	0.15	0.02	1.70	0.02	14.60	2.0	6
205326		5.86	0.001	0.05	0.51	3.4	<0.2	<10	120	0.20	0.03	1.35	0.04	15.45	4.3	5
205327		6.52	0.001	0.05	0.58	5.0	<0.2	<10	60	0.15	0.03	0.95	0.04	12.80	4.6	12
205328		6.28	0.001	0.08	0.53	7.8	<0.2	<10	60	0.12	0.02	1.19	0.21	12.45	5.1	6
205329		6.34	0.001	0.43	0.66	5.8	<0.2	<10	50	0.19	0.02	1.89	0.07	15.05	6.0	7
205330		0.14	1.125	2.77	2.36	10.6	2.7	<10	150	0.15	0.45	1.40	1.55	7.05	29.6	60
205331		5.64	0.003	0.27	0.80	9.5	<0.2	<10	50	0.16	0.05	0.91	0.14	11.00	5.4	7
205332		6.68	0.002	0.14	0.65	7.3	<0.2	<10	80	0.13	0.03	0.62	0.04	12.70	5.3	7
205333		5.86	0.003	0.11	0.62	2.6	<0.2	<10	80	0.11	0.03	0.54	0.02	12.75	5.3	8
205334		6.16	0.001	0.07	0.63	2.2	<0.2	<10	100	0.13	0.04	0.52	0.03	12.70	4.9	9
205335		5.80	0.001	0.07	0.72	2.9	<0.2	<10	80	0.12	0.04	0.55	0.03	12.55	5.5	9
205336		6.54	<0.001	0.03	0.47	2.4	<0.2	<10	70	0.11	0.02	0.47	0.04	10.55	3.5	11
205337		6.20	0.001	0.16	0.45	3.3	<0.2	<10	40	0.10	0.02	0.72	0.04	11.80	3.9	8
205338		5.70	0.001	0.05	0.52	4.2	<0.2	<10	60	0.13	0.03	0.83	0.06	13.45	3.7	6
205339		6.14	0.002	0.06	0.56	3.5	<0.2	<10	90	0.10	0.03	0.66	0.04	13.55	3.8	9
205340		0.36	0.001	0.02	2.28	0.9	<0.2	<10	40	1.05	0.02	2.50	0.06	33.3	35.4	38
205341		4.04	0.020	0.11	0.61	9.0	<0.2	<10	100	0.17	0.10	0.94	0.11	13.35	4.0	7
205342		6.40	0.003	0.06	0.62	3.4	<0.2	<10	70	0.17	0.03	1.11	0.04	14.85	4.1	8
205343		6.44	0.014	0.21	0.59	7.7	<0.2	<10	80	0.14	0.09	1.08	0.06	13.70	4.0	8
205344		6.50	0.038	1.71	0.62	25.0	<0.2	<10	90	0.16	0.18	0.91	0.61	13.35	4.3	8
205345		5.96	0.007	0.16	0.52	4.2	<0.2	<10	70	0.14	0.04	0.82	0.06	11.70	4.1	8
205346		5.90	0.019	0.41	0.63	6.3	<0.2	<10	80	0.17	0.08	1.08	0.05	11.30	4.4	6
205347		6.18	0.015	1.07	0.71	5.3	<0.2	<10	90	0.19	0.09	1.29	0.13	13.75	4.4	6
205348		6.68	0.002	0.10	0.65	4.3	<0.2	<10	80	0.15	0.03	1.11	0.05	11.85	4.4	7
205349		6.34	0.011	0.25	0.52	3.4	0.2	<10	60	0.11	0.06	0.57	0.10	12.75	3.8	10
205350		0.14	0.222	2.04	1.47	26.7	<0.2	<10	130	0.45	2.46	1.79	0.91	38.3	17.5	61
205351		6.58	0.001	0.11	0.85	4.3	<0.2	<10	20	0.36	0.05	1.91	0.07	14.75	2.4	5
205352		6.10	<0.001	0.05	0.61	3.8	<0.2	<10	50	0.19	0.02	0.80	0.03	11.10	2.0	7
205353		4.56	0.010	0.21	0.69	4.9	<0.2	<10	60	0.17	0.05	0.95	0.08	13.05	3.2	7
205354		3.94	0.008	0.38	0.69	6.6	<0.2	<10	50	0.22	0.05	1.80	0.15	14.70	4.9	8
205355		6.26	0.003	0.33	1.28	5.8	<0.2	10	30	0.55	0.05	2.82	0.10	16.80	4.0	3
205356		6.48	<0.001	0.15	0.68	4.7	<0.2	<10	40	0.31	0.06	2.01	0.07	15.10	2.7	5
205357		4.40	<0.001	0.07	0.76	5.3	<0.2	<10	30	0.31	0.06	1.73	0.05	13.90	2.5	6
205358		2.64	0.003	0.43	1.00	9.2	<0.2	<10	20	0.52	0.13	2.32	0.47	17.15	4.5	5
205359		5.92	0.001	0.63	0.60	7.2	<0.2	<10	100	0.24	0.04	1.18	0.17	12.05	1.5	7
205360		0.26	<0.001	0.03	2.05	0.3	<0.2	<10	60	1.00	<0.01	2.31	0.04	29.3	33.0	27
205361		6.50	<0.001	0.08	0.55	3.7	<0.2	<10	60	0.19	0.03	1.11	0.06	11.35	1.7	7
205362		6.04	<0.001	0.06	0.56	6.3	<0.2	<10	40	0.17	0.01	0.97	0.04	11.05	1.1	7



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To: GOLD FIELDS HORSEFLY EXPLORATION INC.

1155 ROBSON STREET, SUITE 400

VANCOUVER BC V6E 1B5

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Total # Pages: 5 (A - D)

Plus Appendix Pages

Finalized Date: 27-MAY-2010

Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10058406

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	
205323		1.80	85.0	2.07	4.26	0.06	0.09	<0.01	0.013	0.07	7.8	5.8	0.40	374	8.70	0.11	
205324		1.83	19.7	1.45	4.28	0.05	0.09	<0.01	0.017	0.07	8.1	8.4	0.45	378	6.72	0.12	
205325		0.57	13.9	1.24	2.47	0.07	0.26	<0.01	0.023	0.03	7.1	3.8	0.16	319	1.25	0.14	
205326		0.93	68.7	1.96	3.00	0.05	0.15	<0.01	0.011	0.07	7.8	3.9	0.23	331	3.30	0.08	
205327		1.11	96.7	2.12	3.66	0.05	0.17	<0.01	0.010	0.07	6.6	8.1	0.33	277	14.10	0.08	
205328		0.72	130.5	2.42	3.84	0.07	0.21	<0.01	0.010	0.06	6.6	8.2	0.32	350	10.30	0.08	
205329		0.86	132.5	2.34	4.21	0.05	0.15	<0.01	0.014	0.06	7.7	10.6	0.39	545	15.25	0.08	
205330		0.94	5370	4.81	7.24	0.11	0.11	0.09	0.179	0.25	3.2	11.3	1.38	400	272	0.15	
205331		1.05	158.0	2.36	4.48	0.07	0.28	<0.01	0.011	0.11	5.9	12.1	0.46	346	11.35	0.10	
205332		0.92	154.5	2.33	4.21	0.07	0.25	<0.01	0.010	0.11	6.8	9.7	0.39	271	10.25	0.12	
205333		1.18	282	2.39	4.19	0.07	0.23	<0.01	0.012	0.15	6.5	7.8	0.39	228	45.3	0.12	
205334		0.73	130.5	2.47	3.98	0.07	0.26	<0.01	0.009	0.12	6.5	7.2	0.35	211	15.75	0.14	
205335		1.41	127.0	2.38	4.33	0.08	0.25	<0.01	0.008	0.19	6.6	9.5	0.43	255	9.42	0.14	
205336		0.69	19.9	2.11	3.03	0.07	0.22	<0.01	0.005	0.07	5.7	6.3	0.28	192	1.29	0.10	
205337		0.86	35.3	2.35	3.41	0.07	0.22	<0.01	0.006	0.06	6.3	6.7	0.31	234	4.10	0.08	
205338		0.76	41.5	2.19	3.39	0.07	0.27	<0.01	0.005	0.10	7.0	5.3	0.21	258	1.47	0.14	
205339		0.57	33.3	2.09	3.32	0.07	0.24	<0.01	0.007	0.10	7.2	6.1	0.21	269	2.84	0.13	
205340		0.16	27.3	3.93	8.66	0.15	0.61	<0.01	0.042	0.46	15.1	4.3	3.35	626	2.64	0.90	
205341		0.52	189.0	2.14	3.23	0.07	0.25	<0.01	0.035	0.09	7.2	5.7	0.21	275	8.00	0.13	
205342		0.67	29.3	1.98	3.60	0.06	0.17	<0.01	0.010	0.08	7.8	8.2	0.30	374	1.17	0.11	
205343		0.55	316	2.16	3.28	0.06	0.24	<0.01	0.010	0.09	7.1	6.6	0.21	375	1.23	0.13	
205344		0.83	1130	2.11	3.56	0.07	0.21	0.01	0.024	0.09	6.9	7.8	0.24	365	22.4	0.12	
205345		0.50	67.5	1.99	3.23	0.08	0.30	<0.01	0.008	0.10	6.6	7.9	0.22	390	1.36	0.11	
205346		0.86	246	1.91	3.72	0.06	0.20	<0.01	0.007	0.09	6.1	10.5	0.32	412	8.51	0.07	
205347		1.05	150.5	2.15	3.71	0.07	0.26	0.01	0.011	0.11	7.3	10.9	0.32	558	8.91	0.12	
205348		0.55	37.1	1.94	3.74	0.07	0.23	<0.01	0.010	0.07	6.5	12.3	0.40	491	7.39	0.09	
205349		0.58	175.0	1.99	3.19	0.09	0.27	<0.01	0.007	0.08	6.6	9.1	0.34	281	30.8	0.11	
205350		2.05	1860	3.96	5.17	0.09	0.15	0.11	0.074	0.50	20.9	8.1	0.83	346	149.0	0.06	
205351		3.09	9.9	1.05	3.77	0.07	0.18	<0.01	0.027	0.13	7.6	17.2	0.49	717	1.52	0.09	
205352		0.87	8.6	1.09	2.82	0.08	0.30	<0.01	0.013	0.05	5.8	12.4	0.56	337	1.21	0.11	
205353		1.43	55.8	1.70	3.74	0.10	0.29	<0.01	0.011	0.09	7.1	11.5	0.44	413	4.19	0.10	
205354		2.43	73.4	2.03	3.28	0.07	0.14	<0.01	0.013	0.12	7.9	10.5	0.30	821	3.16	0.06	
205355		4.80	31.7	1.60	3.95	0.05	0.03	<0.01	0.013	0.22	8.9	19.5	0.39	1420	3.11	0.07	
205356		2.27	15.2	1.07	2.74	<0.05	0.11	<0.01	0.013	0.10	8.2	9.8	0.27	663	4.49	0.08	
205357		1.58	6.1	0.88	3.20	0.05	0.21	<0.01	0.012	0.10	7.7	12.5	0.40	762	1.14	0.09	
205358		2.58	40.9	1.43	3.63	0.05	0.06	0.01	0.015	0.18	9.3	20.3	0.42	1140	1.47	0.06	
205359		1.49	20.1	0.58	2.22	0.05	0.20	<0.01	0.011	0.07	5.9	9.3	0.32	464	0.92	0.11	
205360		0.14	23.0	3.57	7.98	0.18	0.69	<0.01	0.031	0.47	13.6	3.9	3.01	590	2.11	0.83	
205361		1.81	8.6	0.75	2.10	0.06	0.21	<0.01	0.012	0.06	5.7	8.7	0.35	414	0.70	0.10	
205362		1.78	9.8	0.83	2.28	0.06	0.25	<0.01	0.009	0.05	5.6	8.5	0.35	315	0.83	0.12	



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CERTIFICATE OF ANALYSIS VA10058406

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205323		<0.05	3.1	640	8.9	6.6	0.003	0.02	0.46	5.0	0.2	0.5	121.0	0.01	0.01	3.9
205324		<0.05	2.5	620	6.5	5.6	0.003	0.01	0.44	4.3	0.2	0.5	130.0	0.01	0.01	3.4
205325		0.21	2.1	640	2.5	1.9	<0.001	0.01	0.24	5.0	0.2	0.7	108.5	0.01	<0.01	3.0
205326		0.05	1.8	640	2.0	7.2	<0.001	0.02	0.17	4.1	0.2	0.5	131.5	0.02	<0.01	4.3
205327		0.17	2.3	600	4.8	6.0	0.003	0.02	0.32	3.1	0.2	0.4	69.2	0.02	<0.01	3.3
205328		0.21	1.8	630	8.1	4.7	0.002	0.02	0.31	3.1	0.2	0.5	60.2	0.01	<0.01	2.9
205329		0.10	1.9	610	22.4	5.5	0.002	0.03	0.22	3.5	0.2	0.6	81.1	0.01	0.01	3.2
205330		0.25	42.6	710	22.7	9.9	0.412	2.33	8.46	7.7	3.9	2.3	46.5	0.02	0.34	0.8
205331		0.21	2.7	510	29.3	10.3	0.003	0.02	0.29	3.4	0.2	0.4	49.2	<0.01	0.02	4.7
205332		0.26	1.8	610	3.5	8.4	0.003	0.02	0.21	2.4	0.2	0.5	48.9	0.01	<0.01	4.1
205333		0.28	1.8	600	1.9	14.6	0.014	0.04	0.10	2.1	0.2	0.5	41.2	0.01	0.01	3.5
205334		0.26	1.8	640	2.0	9.5	0.005	0.02	0.09	2.1	0.2	0.6	43.1	0.01	0.01	3.2
205335		0.27	2.0	600	2.3	20.4	0.001	0.02	0.13	2.2	0.2	0.9	42.7	0.01	0.01	3.8
205336		0.28	1.7	580	3.2	4.0	<0.001	0.01	0.18	1.8	0.2	0.7	43.9	0.01	<0.01	4.1
205337		0.29	1.8	610	6.9	3.6	0.002	0.01	0.16	2.3	<0.2	0.9	40.7	0.01	<0.01	3.5
205338		0.39	1.6	540	4.2	6.6	<0.001	0.01	0.24	1.9	0.2	0.7	44.4	0.01	0.01	4.0
205339		0.39	1.6	530	4.9	4.6	<0.001	0.01	0.21	2.1	0.2	0.7	59.2	0.02	0.01	4.7
205340		2.71	127.0	1710	0.7	12.6	<0.001	0.04	0.06	9.9	0.4	1.0	113.5	0.06	<0.01	1.8
205341		0.29	1.7	540	4.8	3.9	0.001	0.02	0.35	2.7	0.3	0.8	74.6	0.01	0.04	4.3
205342		0.14	1.8	540	4.6	3.7	<0.001	0.01	0.18	3.1	0.2	0.5	64.4	0.01	<0.01	3.8
205343		0.27	1.6	550	6.4	3.9	<0.001	0.03	0.33	2.7	0.3	0.5	64.7	0.01	0.04	4.0
205344		0.28	1.8	560	40.0	4.7	0.007	0.09	3.85	2.7	0.6	0.4	64.7	0.01	0.09	4.2
205345		0.30	1.6	500	6.3	4.1	<0.001	<0.01	0.27	2.2	<0.2	0.4	43.4	<0.01	<0.01	5.3
205346		0.14	1.8	550	6.2	5.2	0.006	<0.01	0.39	2.9	0.4	0.3	70.2	<0.01	0.04	3.7
205347		0.20	1.8	520	8.5	8.2	0.004	0.02	1.33	3.7	0.2	0.4	69.3	0.01	0.03	4.6
205348		0.17	1.7	510	7.9	3.2	0.003	<0.01	0.35	3.1	<0.2	0.4	70.5	<0.01	<0.01	4.2
205349		0.27	1.6	520	10.6	4.1	0.012	0.01	0.31	2.5	0.4	0.5	39.4	<0.01	0.02	4.1
205350		0.11	17.9	700	22.1	32.5	0.038	1.86	6.70	7.0	3.0	1.8	70.8	<0.01	0.31	10.9
205351		0.14	1.7	510	6.2	8.4	<0.001	<0.01	0.92	3.9	0.2	0.6	59.1	<0.01	<0.01	3.0
205352		0.18	1.8	550	6.2	2.2	<0.001	<0.01	0.44	3.2	0.2	0.6	52.3	<0.01	<0.01	3.1
205353		0.19	1.7	520	8.0	4.4	0.004	<0.01	0.97	3.0	0.2	0.5	51.7	0.01	0.01	4.2
205354		0.10	1.7	530	8.5	6.9	0.002	<0.01	0.95	3.8	0.2	0.5	43.2	<0.01	0.01	5.0
205355		<0.05	1.4	520	6.1	11.8	0.002	<0.01	0.79	3.1	0.3	0.8	111.5	<0.01	<0.01	5.1
205356		0.06	1.2	490	4.5	6.3	0.002	<0.01	0.76	3.7	0.2	0.5	59.1	<0.01	<0.01	4.5
205357		0.16	1.5	500	7.1	5.9	0.001	<0.01	1.11	3.3	0.2	0.4	58.3	<0.01	<0.01	4.7
205358		<0.05	1.5	500	65.5	10.7	0.002	0.01	3.16	3.3	0.3	0.3	56.8	<0.01	<0.01	4.9
205359		0.20	1.3	520	11.5	4.3	0.001	<0.01	3.67	2.4	<0.2	0.4	62.0	<0.01	<0.01	3.8
205360		2.27	119.0	1320	0.6	11.0	<0.001	<0.01	0.09	8.2	0.5	0.8	143.5	0.04	<0.01	1.4
205361		0.24	3.7	530	3.9	4.1	<0.001	<0.01	0.64	2.5	<0.2	0.4	53.7	<0.01	<0.01	3.6
205362		0.22	1.9	530	3.9	3.5	<0.001	<0.01	0.37	2.1	0.2	0.5	57.6	<0.01	<0.01	3.8



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Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10058406

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205323		0.006	0.02	2.95	51	0.08	10.60	47	1.9
205324		0.006	0.03	1.53	42	0.05	8.67	69	1.8
205325		0.082	<0.02	1.65	75	0.05	9.95	15	4.4
205326		0.022	0.02	1.61	61	<0.05	8.73	17	2.6
205327		0.049	0.02	1.93	58	0.07	7.27	32	2.8
205328		0.060	0.02	1.81	66	0.08	7.60	34	3.1
205329		0.032	0.02	1.78	64	0.06	9.10	53	2.3
205330		0.175	0.41	0.36	84	16.50	8.51	213	3.7
205331		0.062	0.04	2.16	64	0.11	6.01	43	4.6
205332		0.098	0.03	2.33	65	0.18	6.93	18	4.0
205333		0.108	0.05	2.00	68	0.19	7.40	13	3.7
205334		0.112	0.03	2.04	73	0.25	7.08	14	3.9
205335		0.119	0.06	2.19	68	0.22	6.81	16	3.8
205336		0.080	<0.02	2.32	61	0.19	5.49	17	3.3
205337		0.076	<0.02	2.37	68	0.60	7.00	47	3.4
205338		0.093	0.02	2.53	62	0.16	8.03	16	4.2
205339		0.089	<0.02	2.53	59	0.16	6.74	24	4.3
205340		0.658	0.02	0.62	117	0.18	11.25	58	42.1
205341		0.082	<0.02	2.40	59	0.12	7.50	16	4.3
205342		0.040	0.02	2.07	54	0.06	7.86	53	3.0
205343		0.076	<0.02	2.38	61	0.11	7.79	42	3.8
205344		0.074	0.02	2.43	59	0.15	7.47	73	3.5
205345		0.080	0.02	2.76	55	0.09	5.92	40	4.2
205346		0.046	0.02	1.90	52	<0.05	6.10	37	3.0
205347		0.057	0.04	2.88	57	0.13	7.45	57	3.3
205348		0.059	0.02	2.15	55	0.05	6.38	66	3.2
205349		0.096	0.02	2.49	60	0.17	7.20	44	4.0
205350		0.038	0.33	4.51	56	2.59	12.15	63	4.3
205351		0.045	0.08	1.58	31	<0.05	7.83	97	2.7
205352		0.086	0.02	1.88	48	<0.05	6.50	53	4.0
205353		0.073	0.03	2.25	48	<0.05	7.26	63	3.7
205354		0.026	0.05	2.12	51	<0.05	8.16	81	2.2
205355		<0.005	0.10	1.76	35	<0.05	8.70	138	0.7
205356		0.015	0.05	1.69	29	<0.05	8.20	42	1.6
205357		0.046	0.06	1.97	22	<0.05	7.29	45	2.9
205358		<0.005	0.10	2.22	27	<0.05	8.86	138	1.1
205359		0.055	0.03	1.46	24	<0.05	7.09	35	2.7
205360		0.568	<0.02	0.48	94	0.05	9.22	46	42.1
205361		0.060	0.03	1.43	38	<0.05	6.52	29	3.4
205362		0.068	0.03	1.53	42	<0.05	6.80	25	3.3



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Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10058406

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
205363		6.54	<0.001	0.04	0.58	6.5	<0.2	<10	60	0.19	0.01	0.74	0.05	10.45	1.2	7
205364		6.62	0.001	0.05	0.55	3.7	<0.2	<10	110	0.10	0.01	0.48	0.07	10.80	2.1	8
205365		6.46	<0.001	0.04	0.46	3.6	<0.2	<10	30	0.16	0.03	0.94	0.07	10.75	1.9	7
205366		6.44	<0.001	0.05	0.51	3.1	<0.2	<10	40	0.13	0.02	0.67	0.22	11.25	1.6	8
205367		6.36	0.001	0.06	0.57	4.6	<0.2	<10	50	0.17	0.02	1.03	0.11	11.15	1.9	8
205368		6.46	<0.001	0.10	0.50	6.7	<0.2	<10	40	0.12	0.01	0.93	0.05	7.94	0.7	7
205369		6.70	<0.001	0.06	0.50	6.2	<0.2	<10	40	0.16	0.01	1.61	0.07	11.20	0.9	6
205370		0.14	0.280	2.09	1.40	52.4	0.3	<10	100	0.44	0.37	4.20	1.36	18.10	20.2	24
205371		5.94	<0.001	0.09	0.68	5.2	<0.2	<10	50	0.22	0.05	2.07	0.06	12.35	1.7	6
205372		4.26	0.001	0.04	0.55	4.8	<0.2	<10	50	0.11	0.02	0.66	0.07	10.05	0.9	7

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



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	Method Analyte Units LOR	ME-MS41 Cs ppm 0.05	ME-MS41 Cu ppm 0.2	ME-MS41 Fe % 0.01	ME-MS41 Ga ppm 0.05	ME-MS41 Ge ppm 0.05	ME-MS41 Hf ppm 0.02	ME-MS41 Hg ppm 0.01	ME-MS41 In ppm 0.005	ME-MS41 K % 0.01	ME-MS41 La ppm 0.2	ME-MS41 Li ppm 0.1	ME-MS41 Mg % 0.01	ME-MS41 Mn ppm 5	ME-MS41 Mo ppm 0.05	ME-MS41 Na % 0.01
205363		1.94	12.0	0.96	2.23	0.06	0.26	<0.01	0.007	0.05	5.2	7.4	0.34	300	1.24	0.12
205364		0.81	19.0	1.64	2.70	0.08	0.30	<0.01	0.007	0.05	5.5	5.1	0.30	144	1.71	0.15
205365		1.94	9.8	1.06	2.47	0.07	0.23	<0.01	0.008	0.05	5.8	7.8	0.29	329	0.85	0.06
205366		1.21	16.5	1.32	2.43	0.07	0.29	<0.01	0.024	0.04	5.9	5.4	0.26	180	1.49	0.13
205367		2.01	18.3	1.08	2.61	0.06	0.24	<0.01	0.012	0.06	5.7	7.2	0.28	270	1.03	0.12
205368		1.85	8.3	0.27	1.95	0.05	0.20	<0.01	0.007	0.03	3.5	6.2	0.28	208	0.69	0.12
205369		2.23	8.0	0.29	1.94	<0.05	0.19	<0.01	0.007	0.06	5.2	8.0	0.24	408	0.75	0.10
205370		1.00	3280	4.51	6.06	0.12	0.09	0.19	0.069	0.20	9.5	12.2	1.28	610	400	0.07
205371		2.06	8.0	0.60	2.39	0.05	0.18	<0.01	0.010	0.09	6.0	14.1	0.31	776	0.97	0.09
205372		1.54	10.3	0.68	2.18	0.07	0.28	<0.01	0.009	0.03	5.0	5.5	0.28	176	1.01	0.15



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CERTIFICATE OF ANALYSIS VA10058406

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205363		0.24	2.1	550	3.1	3.5	0.001	<0.01	0.34	1.8	<0.2	0.5	80.6	<0.01	<0.01	4.2
205364		0.28	2.2	510	5.3	2.3	0.001	<0.01	0.19	1.6	<0.2	0.5	100.5	<0.01	<0.01	4.5
205365		0.25	1.6	520	7.5	3.9	<0.001	<0.01	0.52	2.1	0.2	0.4	46.1	<0.01	<0.01	3.9
205366		0.29	2.0	510	17.6	2.1	0.001	<0.01	0.28	1.7	0.2	0.5	53.8	<0.01	<0.01	4.0
205367		0.23	1.7	520	7.7	3.8	0.001	<0.01	0.36	2.2	0.2	0.4	57.6	<0.01	<0.01	4.0
205368		0.24	1.0	550	7.6	2.5	<0.001	<0.01	0.35	1.6	<0.2	0.4	56.5	<0.01	<0.01	3.8
205369		0.23	1.1	530	5.2	4.6	<0.001	<0.01	0.39	2.7	<0.2	0.4	60.2	<0.01	<0.01	4.1
205370		0.05	23.5	1140	10.3	8.9	0.062	1.94	5.22	9.6	7.0	0.9	136.5	<0.01	0.56	1.3
205371		0.15	1.1	520	4.9	5.9	0.001	<0.01	0.35	2.2	0.2	0.4	71.9	<0.01	<0.01	4.7
205372		0.27	1.5	530	4.6	2.1	0.001	<0.01	0.34	1.5	0.2	0.5	70.8	<0.01	<0.01	4.1



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CERTIFICATE OF ANALYSIS VA10058406

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205363		0.070	0.03	1.63	44	<0.05	6.33	21	3.4
205364		0.091	<0.02	1.94	57	<0.05	5.81	17	3.8
205365		0.060	0.03	1.75	36	<0.05	5.42	60	3.0
205366		0.088	<0.02	1.87	51	<0.05	6.12	55	3.9
205367		0.072	0.03	1.71	41	<0.05	6.16	30	3.3
205368		0.075	0.02	1.25	19	<0.05	5.40	28	3.2
205369		0.055	0.04	1.25	17	<0.05	6.78	26	2.8
205370		0.009	0.10	0.47	84	3.55	14.10	65	2.8
205371		0.044	0.05	1.49	16	<0.05	7.62	74	2.5
205372		0.087	<0.02	1.62	31	<0.05	6.35	23	3.6



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CERTIFICATE OF ANALYSIS VA10058406

Method	CERTIFICATE COMMENTS
ME-MS41 ME-MS41	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). Interference: Mo>400ppm on ICP-MS Cd,ICP-AES results shown.



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CERTIFICATE VA10062903

Project: Woodjam North

P.O. No.: WJN-2010-23

This report is for 22 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 17-MAY-2010.

The following have access to data associated with this certificate:

BLAIRD
JULIANNE MADSEN

NATE BREWER
ROSS SHERLOCK

JOHN HERTEL
TWILA SKINNER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test

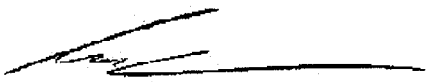
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS41	51 anal. aqua regia ICPMS	

To: **GOLD FIELDS HORSEFLY EXPLORATION INC.**
ATTN: JULIANNE MADSEN
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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 VA10062903

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
205373		3.44	<0.001	0.06	1.78	15.1	<0.2	<10	40	0.26	0.04	1.93	0.05	4.48	3.5	4
205374		6.88	<0.001	0.06	1.86	11.1	<0.2	<10	70	0.28	0.02	2.26	0.07	4.60	3.5	4
205375		5.74	<0.001	0.10	2.67	13.4	<0.2	<10	50	0.32	0.02	2.83	0.06	4.88	4.5	2
205376		6.16	<0.001	0.06	1.74	12.9	<0.2	<10	90	0.26	0.02	2.48	0.07	4.14	3.2	4
205377		6.10	<0.001	0.08	0.94	3.7	<0.2	10	20	0.25	0.03	3.12	0.10	6.19	2.8	2
205378		5.82	<0.001	0.10	1.52	5.9	<0.2	<10	20	0.26	0.03	3.06	0.04	5.01	4.5	3
205379		4.02	<0.001	0.06	1.94	16.3	<0.2	<10	50	0.25	0.05	4.09	0.06	5.41	3.6	4
205380		0.26	<0.001	0.02	2.22	1.0	<0.2	<10	60	1.12	0.01	2.37	0.07	31.0	36.4	24
205381		3.46	<0.001	0.04	1.46	13.7	<0.2	<10	40	0.22	0.09	3.31	0.05	3.92	1.9	2
205382		5.34	<0.001	0.10	1.87	14.9	<0.2	<10	40	0.19	0.02	2.89	0.05	3.75	3.5	3
205383		3.98	0.001	0.08	2.62	16.2	<0.2	<10	40	0.22	0.01	3.75	0.09	3.66	6.7	3
205384		5.12	<0.001	0.06	2.12	13.9	<0.2	<10	40	0.17	0.03	2.90	0.09	3.72	5.2	3
205385		3.06	<0.001	0.04	2.34	13.3	<0.2	<10	30	0.21	0.04	3.17	0.06	4.54	5.3	3
205386		3.58	<0.001	0.05	2.35	13.7	<0.2	<10	70	0.20	0.05	2.95	0.10	4.80	4.9	3
205387		5.06	0.001	0.05	2.28	15.3	<0.2	<10	30	0.27	0.18	3.79	0.04	4.07	6.3	4
205388		6.04	<0.001	0.02	2.32	16.9	<0.2	<10	30	0.28	0.24	3.92	0.02	3.82	7.6	3
205389		3.92	<0.001	0.04	1.81	14.1	<0.2	<10	20	0.26	0.10	3.70	0.03	4.26	5.5	3
205390		0.14	1.075	2.11	2.34	10.2	0.7	<10	150	0.20	0.41	1.40	1.43	6.88	29.6	57
205391		3.48	<0.001	0.04	1.78	8.5	<0.2	<10	20	0.26	0.05	3.82	0.03	4.69	6.6	3
205392		4.64	<0.001	0.04	0.69	3.8	<0.2	<10	20	0.23	0.07	3.11	0.05	5.08	2.3	2
205393		7.20	<0.001	1.46	0.64	2.4	<0.2	<10	30	0.29	0.06	2.15	0.27	2.76	3.9	4
205394		3.42	<0.001	0.52	0.51	3.6	<0.2	<10	20	0.19	0.03	1.90	0.12	1.10	1.6	3



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To: **GOLD FIELDS HORSEFLY EXPLORATION INC.**
1155 ROBSON STREET, SUITE 400
VANCOUVER BC V6E 1B5

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 Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10062903

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
205373		4.15	3.0	0.76	5.40	0.09	0.15	0.01	0.025	0.06	2.2	17.2	0.43	961	0.20	0.23
205374		3.09	4.4	0.89	5.40	0.09	0.14	0.01	0.022	0.06	2.1	19.1	0.57	428	0.19	0.23
205375		2.98	3.3	0.88	8.58	0.09	0.12	0.01	0.016	0.06	2.2	24.9	0.84	397	0.19	0.36
205376		3.31	2.8	0.67	4.51	0.06	0.12	0.01	0.012	0.07	2.1	20.1	0.56	350	0.15	0.24
205377		4.41	1.6	0.48	2.29	<0.05	0.03	0.01	<0.005	0.15	2.0	7.9	0.31	315	0.81	0.08
205378		4.01	1.5	0.87	4.00	<0.05	0.03	0.01	0.010	0.13	2.1	22.3	0.82	424	0.30	0.11
205379		3.70	3.0	0.92	5.58	0.09	0.11	0.01	0.035	0.08	2.5	26.9	0.69	453	0.17	0.24
205380		0.19	25.8	3.63	9.04	0.17	0.45	<0.01	0.038	0.53	14.4	5.0	3.26	607	2.03	0.92
205381		2.35	2.4	0.97	4.05	0.09	0.08	0.01	0.028	0.06	1.9	13.3	0.24	296	0.11	0.20
205382		4.18	4.4	3.28	4.90	0.07	0.09	<0.01	0.014	0.06	1.9	11.0	0.27	333	0.12	0.30
205383		5.14	4.7	4.16	7.64	0.09	0.13	0.01	0.021	0.08	1.9	24.5	0.57	570	0.14	0.39
205384		4.31	2.6	3.01	5.87	0.10	0.13	0.01	0.017	0.06	1.8	22.6	0.55	401	0.14	0.31
205385		4.27	1.5	1.43	6.39	0.07	0.16	<0.01	0.024	0.06	2.1	37.6	0.94	431	0.12	0.33
205386		3.36	1.8	2.19	6.19	0.08	0.13	0.01	0.021	0.06	2.1	25.9	0.73	411	0.12	0.31
205387		2.98	1.9	1.59	6.06	0.05	0.06	<0.01	0.050	0.12	1.9	34.1	1.02	577	0.15	0.18
205388		3.62	1.0	2.00	6.16	<0.05	0.05	0.01	0.078	0.12	1.8	38.9	1.36	691	0.16	0.10
205389		4.06	1.3	1.70	4.97	<0.05	0.04	<0.01	0.047	0.15	1.9	22.4	0.77	562	0.16	0.12
205390		0.90	5250	4.91	7.24	0.12	0.16	0.11	0.186	0.26	3.1	13.8	1.35	397	233	0.15
205391		3.55	3.7	1.33	5.06	<0.05	0.03	<0.01	0.027	0.13	2.1	24.2	0.84	533	0.36	0.11
205392		2.50	1.4	0.61	1.67	<0.05	0.02	0.01	0.021	0.15	2.3	2.3	0.16	555	0.23	0.06
205393		2.51	4.3	0.33	1.12	<0.05	0.02	0.04	0.005	0.19	1.2	2.3	0.21	532	0.69	0.03
205394		2.30	2.7	0.23	0.98	<0.05	0.02	0.01	<0.005	0.13	0.4	3.3	0.06	292	2.00	0.08



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Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10062903

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205373		0.06	2.9	1170	20.9	4.5	<0.001	0.02	0.98	6.3	0.2	0.5	155.0	<0.01	0.01	0.5
205374		<0.05	2.9	1240	13.2	4.1	<0.001	0.02	0.65	7.0	0.2	0.5	172.5	<0.01	0.01	0.5
205375		<0.05	3.2	1400	5.7	4.4	<0.001	0.02	0.54	8.5	0.3	0.5	182.5	<0.01	0.01	0.5
205376		<0.05	2.0	1130	7.4	4.9	0.001	0.02	0.53	6.2	0.2	0.3	201	<0.01	0.01	0.5
205377		<0.05	0.8	530	10.0	10.0	0.008	0.02	0.08	1.9	0.3	0.2	77.9	<0.01	<0.01	0.5
205378		<0.05	2.2	1060	6.4	9.4	<0.001	0.02	0.14	6.9	0.2	0.2	82.9	<0.01	<0.01	0.5
205379		<0.05	2.4	1130	11.1	5.8	<0.001	0.02	1.19	9.1	0.2	0.5	164.5	<0.01	0.01	0.5
205380		1.85	135.0	1400	1.4	13.3	<0.001	0.04	<0.05	8.8	0.4	0.9	152.5	0.04	0.01	1.4
205381		0.05	1.3	1070	15.9	4.0	<0.001	0.02	1.87	5.3	0.2	0.3	157.5	<0.01	<0.01	0.5
205382		0.06	2.5	1060	9.6	4.9	<0.001	0.02	0.58	5.7	0.2	0.3	135.5	<0.01	<0.01	0.5
205383		0.07	3.2	1080	14.0	5.5	<0.001	0.02	0.48	10.0	0.2	0.3	159.5	<0.01	<0.01	0.6
205384		0.05	3.3	1000	10.8	4.6	<0.001	0.02	0.83	7.7	0.2	0.2	142.5	<0.01	<0.01	0.5
205385		<0.05	3.4	1090	7.6	5.1	<0.001	0.02	0.86	10.9	0.2	0.3	143.5	<0.01	<0.01	0.6
205386		<0.05	3.0	980	8.0	4.6	<0.001	0.02	1.14	9.0	0.2	0.3	171.0	<0.01	<0.01	0.5
205387		<0.05	3.9	910	5.2	8.6	<0.001	0.02	1.77	11.6	0.2	0.3	123.5	<0.01	<0.01	0.5
205388		<0.05	4.7	840	4.4	8.6	<0.001	0.03	1.96	10.2	<0.2	0.3	105.5	<0.01	<0.01	0.5
205389		<0.05	3.2	970	2.3	10.6	<0.001	0.03	1.32	9.0	0.2	0.3	89.7	<0.01	<0.01	0.6
205390		0.19	45.0	680	22.9	9.9	0.364	2.20	6.84	7.8	4.1	2.6	45.4	0.01	0.25	0.7
205391		<0.05	4.7	980	1.8	9.5	<0.001	0.02	0.32	10.9	0.2	0.3	82.5	<0.01	<0.01	0.7
205392		<0.05	1.5	560	4.6	9.5	<0.001	0.02	0.20	3.9	<0.2	<0.2	66.2	<0.01	<0.01	0.4
205393		<0.05	2.6	200	12.4	10.3	0.005	0.03	0.10	1.3	<0.2	<0.2	47.6	<0.01	<0.01	0.2
205394		<0.05	1.2	260	7.9	7.6	0.042	0.02	0.15	0.6	<0.2	<0.2	45.4	<0.01	0.01	0.2



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Account: GOFICA

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CERTIFICATE OF ANALYSIS VA10062903

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205373		0.129	0.04	0.27	49	0.27	6.04	67	5.0
205374		0.124	0.04	0.36	53	0.22	6.55	74	4.7
205375		0.118	0.04	0.35	43	0.08	7.94	95	4.0
205376		0.096	0.04	0.29	39	0.17	6.47	28	3.8
205377		<0.005	0.07	0.62	8	0.14	13.45	25	0.5
205378		<0.005	0.06	0.17	22	0.14	7.51	42	0.7
205379		0.127	0.05	0.31	52	0.16	6.43	30	4.0
205380		0.548	<0.02	0.46	96	0.25	9.83	48	29.8
205381		0.136	0.04	0.19	45	0.18	4.83	15	3.3
205382		0.121	0.04	0.12	101	0.17	5.26	22	2.9
205383		0.110	0.04	0.12	124	0.16	7.96	59	3.2
205384		0.101	0.04	0.16	93	0.16	5.74	107	3.7
205385		0.098	0.04	0.17	55	0.14	7.97	74	4.0
205386		0.101	0.03	0.19	74	0.13	7.43	46	3.6
205387		0.017	0.05	0.13	54	0.10	6.44	59	1.1
205388		0.011	0.05	0.14	59	0.10	5.24	59	0.8
205389		0.007	0.08	0.12	51	0.10	6.28	28	0.7
205390		0.176	0.36	0.29	84	14.35	8.51	208	4.0
205391		<0.005	0.06	0.26	44	0.09	7.01	36	0.6
205392		<0.005	0.08	0.93	13	0.10	5.95	16	0.6
205393		<0.005	0.08	1.97	3	2.04	3.92	43	0.5
205394		<0.005	0.07	1.63	1	0.28	2.97	17	0.6



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Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10062903

Method	CERTIFICATE COMMENTS
ME-MS41	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).



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1155 ROBSON STREET, SUITE 400
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Account: GOFICA

CERTIFICATE VA10068721

Project: Woodjam North

P.O. No.: WJN-2010-24

This report is for 90 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 27-MAY-2010.

The following have access to data associated with this certificate:

BLAIRD
JULIANNE MADSEN

NATE BREWER
ROSS SHERLOCK

JOHN HERTEL
TWILA SKINNER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS41	51 anal. aqua regia ICPMS	

To: **GOLD FIELDS HORSEFLY EXPLORATION INC.**
ATTN: JULIANNE MADSEN
1155 ROBSON STREET, SUITE 400
VANCOUVER BC V6E 1B5

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 VA10068721

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
205395		10.10	<0.001	0.07	1.85	14.7	<0.2	10	290	0.21	0.01	2.76	0.06	5.40	3.9	2
205396		11.10	<0.001	0.08	1.72	10.0	<0.2	10	50	0.17	0.01	2.90	0.05	5.15	4.7	4
205397		9.68	<0.001	0.12	1.97	10.1	<0.2	10	200	0.22	0.02	3.52	0.10	3.98	5.2	6
205398		10.80	<0.001	0.06	1.93	13.0	<0.2	10	50	0.21	0.04	4.03	0.10	5.23	5.4	3
205399		9.40	<0.001	0.08	1.59	10.5	<0.2	10	90	0.22	0.02	5.10	0.15	7.23	5.6	3
205400		0.34	0.001	0.02	1.90	0.6	<0.2	<10	50	0.81	<0.01	2.13	0.04	30.5	32.8	28
205401		10.56	<0.001	0.12	1.92	8.9	<0.2	10	90	0.19	0.03	4.37	0.15	8.79	6.6	5
205402		10.34	0.001	0.59	1.61	16.5	<0.2	10	60	0.16	0.04	3.92	0.22	4.90	6.0	3
205403		11.78	<0.001	0.06	1.35	15.3	<0.2	10	30	0.17	0.02	4.43	0.11	6.24	4.8	3
205404		10.56	<0.001	0.07	1.21	11.9	<0.2	10	20	0.24	0.05	2.55	0.11	5.18	5.6	4
205405		11.68	<0.001	0.07	1.76	13.1	<0.2	10	20	0.17	0.04	3.47	0.15	3.85	4.3	5
205406		10.32	<0.001	0.04	1.71	13.8	<0.2	10	20	0.19	0.05	4.23	0.20	4.03	5.9	4
205407		3.94	<0.001	0.07	1.06	15.0	<0.2	20	10	0.17	0.08	9.12	0.62	6.82	3.2	4
205408		9.10	<0.001	0.24	1.29	15.0	<0.2	10	100	0.23	0.10	7.30	0.37	8.04	4.9	3
205409		10.08	<0.001	2.37	1.81	13.6	<0.2	10	60	0.27	0.11	4.93	0.13	5.98	7.1	3
205410		0.14	0.222	1.95	1.59	28.8	<0.2	<10	110	0.47	2.51	1.91	1.02	40.8	19.1	66
205411		3.58	<0.001	1.01	1.66	23.6	<0.2	20	260	0.37	0.17	9.04	0.07	10.85	6.3	3
205412		11.30	<0.001	0.25	1.51	8.3	<0.2	10	600	0.17	0.03	3.19	0.07	4.61	6.0	5
205413		8.28	<0.001	0.16	1.64	10.0	<0.2	10	160	0.15	0.01	2.55	0.07	4.19	4.8	6
205414		2.72	<0.001	0.22	1.89	11.1	<0.2	<10	160	0.13	0.04	2.88	0.05	3.77	9.6	5
205415		3.54	<0.001	0.23	1.67	9.2	<0.2	<10	50	0.15	0.01	2.31	0.05	3.38	4.2	6
205416		6.68	<0.001	0.12	1.82	8.9	<0.2	10	30	0.14	0.03	2.68	0.04	3.27	6.7	8
205417		6.64	<0.001	0.09	1.50	11.7	<0.2	10	30	0.17	0.02	2.52	0.03	2.78	4.9	7
205418		6.04	<0.001	0.25	2.52	11.5	<0.2	10	80	0.22	0.01	2.91	0.03	3.38	5.3	10
205419		3.26	<0.001	0.24	2.02	9.9	<0.2	10	50	0.18	0.04	2.84	0.03	4.25	6.4	10
205420		0.52	<0.001	0.01	1.87	0.3	<0.2	<10	50	0.66	0.01	2.12	0.05	24.5	29.8	26
205421		5.36	<0.001	0.06	1.94	15.4	<0.2	10	70	0.14	0.05	3.16	0.03	2.88	6.5	10
205422		7.28	<0.001	0.10	2.67	21.0	<0.2	10	130	0.16	0.05	2.48	0.04	1.33	7.9	12
205423		6.52	<0.001	0.09	3.14	20.7	<0.2	10	110	0.17	0.02	2.73	0.11	2.73	5.5	10
205424		7.32	<0.001	0.08	2.16	18.9	<0.2	10	40	0.21	0.06	3.31	0.08	5.10	7.0	9
205425		6.36	0.006	0.08	3.03	21.1	<0.2	10	100	0.27	0.12	2.97	0.15	4.20	6.2	10
205426		4.78	0.002	0.24	1.94	19.3	<0.2	10	40	0.28	0.12	1.73	0.32	4.27	5.5	4
205427		3.50	0.010	1.82	1.05	18.8	<0.2	10	30	0.31	0.21	5.65	2.71	9.45	3.7	5
205428		6.06	<0.001	0.32	0.85	19.9	<0.2	10	20	0.30	0.03	4.31	1.36	5.54	3.1	2
205429		5.92	<0.001	0.18	1.71	10.0	<0.2	20	80	0.27	0.02	2.12	0.61	2.64	2.1	4
205430		0.14	0.273	1.95	1.43	48.5	0.3	<10	60	0.30	0.33	4.26	0.85	17.15	17.3	25
205431		6.04	<0.001	0.07	2.01	12.5	<0.2	10	110	0.24	0.01	3.14	0.06	2.42	1.9	5
205432		5.88	<0.001	0.07	2.32	8.2	<0.2	10	50	0.31	0.02	3.12	0.06	5.74	2.3	5
205433		6.42	<0.001	0.04	2.50	18.0	<0.2	10	30	0.24	0.02	2.33	0.11	2.66	1.8	6
205434		5.88	<0.001	0.04	2.71	9.7	<0.2	10	40	0.29	0.02	2.11	0.16	2.93	0.9	5



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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
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CERTIFICATE OF ANALYSIS VA10068721

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
205395		2.71	3.5	0.88	4.74	0.09	0.16	<0.01	0.026	0.08	2.4	22.9	0.82	390	0.16	0.24
205396		3.13	2.3	0.91	4.81	0.07	0.11	<0.01	0.018	0.08	2.4	32.2	1.01	444	0.14	0.19
205397		4.36	4.8	2.01	5.54	0.09	0.08	<0.01	0.025	0.08	1.9	27.0	0.84	563	0.27	0.25
205398		3.78	2.2	1.83	5.58	0.08	0.08	<0.01	0.030	0.09	2.5	27.5	0.87	624	0.24	0.20
205399		4.03	1.8	1.04	4.70	0.05	0.04	<0.01	0.025	0.10	3.3	36.0	0.99	810	0.25	0.12
205400		0.18	25.8	3.64	7.64	0.17	0.53	<0.01	0.027	0.42	13.7	4.4	3.13	583	2.32	0.84
205401		4.19	2.7	1.39	5.61	0.09	0.08	<0.01	0.047	0.07	3.1	33.8	1.09	560	0.21	0.19
205402		4.15	6.4	2.05	5.11	0.07	0.07	<0.01	0.034	0.07	2.2	23.7	0.69	445	0.19	0.20
205403		3.34	2.4	0.77	4.16	0.06	0.10	<0.01	0.024	0.06	2.9	19.6	0.59	518	0.19	0.20
205404		2.95	2.4	1.08	3.66	0.05	0.08	<0.01	0.019	0.09	2.3	15.5	0.65	381	0.72	0.12
205405		5.64	11.8	3.26	4.90	0.10	0.07	<0.01	0.021	0.07	1.9	13.1	0.42	359	0.16	0.25
205406		5.93	2.2	1.84	4.74	0.06	0.06	<0.01	0.033	0.07	2.0	23.9	0.76	489	0.24	0.16
205407		6.87	1.4	1.48	3.00	0.05	0.03	0.01	0.053	0.10	3.5	22.1	0.34	1280	0.44	0.07
205408		7.71	3.3	1.27	4.09	0.05	0.03	<0.01	0.064	0.09	4.0	20.4	0.62	850	0.28	0.08
205409		5.46	7.1	1.46	5.32	<0.05	0.03	0.01	0.029	0.08	3.0	28.7	0.99	618	0.23	0.09
205410		2.11	2010	4.23	5.75	0.12	0.11	0.09	0.075	0.53	22.0	9.0	0.88	374	167.5	0.06
205411		8.04	5.6	1.72	4.47	0.05	0.03	<0.01	0.021	0.13	5.9	22.2	0.89	1100	0.44	0.08
205412		2.87	1.9	1.08	4.51	<0.05	0.05	<0.01	0.018	0.09	2.2	29.0	0.92	500	0.20	0.13
205413		3.47	2.6	0.91	4.47	0.05	0.09	<0.01	0.030	0.05	1.8	26.1	0.71	293	0.21	0.23
205414		2.35	2.4	1.95	6.25	0.13	0.09	<0.01	0.023	0.04	1.6	34.6	1.46	620	0.24	0.14
205415		3.32	3.4	0.97	4.70	0.06	0.09	<0.01	0.026	0.06	1.5	23.0	0.79	384	0.23	0.21
205416		2.01	1.0	1.32	6.08	0.07	0.09	<0.01	0.031	0.06	1.6	34.3	1.41	667	0.14	0.14
205417		1.61	0.7	1.00	5.13	0.07	0.10	<0.01	0.025	0.04	1.2	27.5	1.04	379	0.13	0.18
205418		3.63	1.4	1.03	7.24	0.07	0.08	<0.01	0.023	0.07	1.5	28.8	1.21	502	0.15	0.31
205419		3.39	2.0	1.42	6.23	0.23	0.12	0.09	0.039	0.06	1.7	18.7	1.33	548	0.25	0.17
205420		0.14	26.6	3.42	6.66	0.15	0.44	0.12	0.033	0.41	12.3	2.6	2.99	569	1.96	0.81
205421		0.73	1.7	1.58	6.29	0.10	0.09	<0.01	0.033	0.04	1.3	26.7	1.94	664	0.16	0.12
205422		0.91	1.8	2.09	5.83	0.18	0.09	0.10	0.024	0.03	0.5	23.5	2.57	616	0.33	0.18
205423		2.18	3.3	2.19	7.26	0.27	0.10	0.10	0.016	0.22	1.1	20.7	1.68	501	0.39	0.38
205424		2.33	2.0	1.66	5.87	0.09	0.08	0.23	0.063	0.05	2.3	34.0	1.30	703	0.27	0.15
205425		2.93	3.7	2.06	7.16	0.08	0.09	<0.01	0.037	0.10	1.5	13.4	0.77	447	0.67	0.36
205426		2.74	42.4	1.47	5.39	0.05	0.05	<0.01	0.040	0.12	1.8	15.1	0.70	426	0.53	0.16
205427		4.20	711	1.03	3.26	0.07	0.05	0.04	0.079	0.18	3.6	5.7	0.31	1990	1.25	0.06
205428		3.43	13.9	0.68	2.25	<0.05	0.02	0.01	0.028	0.22	2.3	4.9	0.21	2110	0.97	0.07
205429		2.68	4.8	0.45	4.34	<0.05	0.09	0.01	0.015	0.11	1.0	8.3	0.30	302	0.86	0.28
205430		0.95	3470	4.66	5.99	0.14	0.08	0.19	0.068	0.20	8.9	9.3	1.30	626	456	0.08
205431		2.79	8.3	0.47	5.26	0.06	0.09	<0.01	0.012	0.06	1.1	9.5	0.38	350	1.10	0.34
205432		2.90	3.3	0.77	5.05	0.05	0.10	0.18	0.013	0.07	1.9	7.7	0.26	328	1.02	0.41
205433		2.09	1.7	2.82	5.17	0.07	0.05	0.19	0.012	0.03	1.3	7.3	0.27	174	0.17	0.47
205434		1.40	2.0	1.06	5.34	0.06	0.10	0.20	0.010	0.03	1.1	8.2	0.30	124	0.21	0.52



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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205395		0.06	2.6	1350	5.0	5.9	<0.001	0.02	0.82	8.7	0.3	0.4	121.5	<0.01	<0.01	0.5
205396		0.05	2.8	1230	3.8	6.5	<0.001	0.08	0.59	8.9	0.2	0.2	110.5	<0.01	<0.01	0.5
205397		0.05	3.7	1020	8.6	6.7	<0.001	0.04	0.77	9.6	0.2	0.2	118.5	<0.01	<0.01	0.5
205398		0.05	3.8	1140	6.8	7.1	<0.001	0.03	1.10	9.8	0.2	0.2	124.5	<0.01	<0.01	0.5
205399		<0.05	3.9	1080	6.5	8.0	<0.001	0.02	0.38	10.4	0.2	0.4	93.3	<0.01	<0.01	0.4
205400		2.30	127.5	1480	0.6	11.3	<0.001	0.03	<0.05	7.1	0.5	0.7	126.5	0.03	<0.01	1.3
205401		0.07	5.1	650	9.9	6.0	<0.001	0.01	0.80	19.0	0.3	0.5	121.0	<0.01	<0.01	0.5
205402		<0.05	4.2	1140	16.2	5.9	<0.001	<0.01	1.20	11.5	<0.2	0.4	124.0	<0.01	<0.01	0.6
205403		0.06	3.0	1120	8.3	4.9	<0.001	0.01	0.79	10.2	0.2	0.4	109.0	<0.01	<0.01	0.5
205404		<0.05	3.8	960	8.8	6.5	0.001	<0.01	0.98	8.0	0.2	0.3	70.3	<0.01	0.01	0.4
205405		0.08	2.7	890	6.5	6.6	<0.001	<0.01	1.26	9.7	0.2	0.4	116.0	<0.01	<0.01	0.5
205406		<0.05	3.3	870	9.8	6.3	<0.001	0.03	1.46	9.9	0.2	0.3	98.8	<0.01	<0.01	0.4
205407		0.06	2.5	780	15.6	9.5	<0.001	0.05	0.84	9.5	0.3	0.3	105.0	<0.01	<0.01	0.4
205408		<0.05	3.0	850	18.5	9.0	<0.001	0.04	2.28	9.2	0.3	0.3	108.0	<0.01	<0.01	0.4
205409		<0.05	4.7	980	11.0	7.5	<0.001	0.02	1.65	9.0	0.2	0.3	105.5	<0.01	<0.01	0.5
205410		0.13	18.6	760	22.2	34.2	0.041	1.98	6.64	6.9	3.4	1.8	77.4	<0.01	0.26	10.2
205411		<0.05	4.3	910	13.3	11.5	<0.001	0.02	1.34	6.2	0.4	0.5	122.0	<0.01	0.01	0.4
205412		<0.05	4.0	940	5.0	7.0	<0.001	0.02	0.58	8.9	0.2	0.3	82.5	<0.01	<0.01	0.5
205413		<0.05	3.2	780	3.2	4.4	<0.001	0.01	0.71	10.1	0.2	0.6	111.0	<0.01	<0.01	0.5
205414		0.05	5.2	790	6.0	3.5	<0.001	0.01	1.57	9.4	0.2	0.6	89.6	<0.01	<0.01	0.4
205415		<0.05	1.0	730	4.7	4.6	<0.001	0.01	0.63	8.1	0.2	0.8	94.5	<0.01	<0.01	0.4
205416		<0.05	2.3	890	4.3	4.7	<0.001	0.01	1.06	10.2	0.3	0.6	79.1	<0.01	<0.01	0.4
205417		<0.05	1.9	910	3.5	3.3	0.001	0.01	0.78	6.2	0.3	0.6	88.0	<0.01	<0.01	0.4
205418		<0.05	1.7	1160	4.8	5.9	0.001	0.02	0.74	7.7	0.3	0.4	147.5	<0.01	0.01	0.4
205419		0.19	6.5	1110	4.7	9.9	0.005	0.01	1.69	12.1	0.2	0.4	102.0	0.01	0.01	0.5
205420		1.86	123.0	1260	0.5	10.0	0.007	0.03	0.05	5.8	0.3	0.7	164.5	0.04	0.01	1.4
205421		<0.05	3.7	1080	4.1	2.9	0.001	0.01	1.16	5.7	0.3	0.4	89.0	<0.01	<0.01	0.4
205422		0.14	10.1	1050	3.8	2.5	0.004	0.01	1.37	7.5	<0.2	0.2	119.5	0.01	0.01	0.4
205423		0.33	8.6	1090	7.4	18.7	0.008	0.01	0.89	10.5	0.3	0.3	163.5	0.02	0.02	0.5
205424		<0.05	6.2	970	7.2	3.7	0.015	0.01	2.27	9.1	0.4	0.5	114.0	0.01	0.04	0.5
205425		<0.05	1.6	940	6.4	7.7	<0.001	0.01	1.45	6.6	0.4	0.5	190.5	<0.01	0.01	0.6
205426		<0.05	3.0	1020	31.9	8.6	<0.001	0.01	1.45	10.0	0.3	0.4	113.5	<0.01	0.01	0.7
205427		<0.05	<0.2	60	108.0	14.1	0.002	0.03	2.36	29.3	1.2	0.7	101.0	<0.01	0.14	0.7
205428		<0.05	<0.2	840	57.3	13.7	0.001	0.02	0.55	9.7	0.6	0.3	78.2	<0.01	<0.01	0.5
205429		<0.05	<0.2	540	16.5	7.3	0.002	0.02	0.66	5.4	0.3	0.3	156.0	<0.01	<0.01	0.4
205430		0.06	17.3	1170	8.6	9.5	0.076	1.93	3.92	6.9	8.9	0.9	144.0	<0.01	0.23	1.2
205431		<0.05	<0.2	690	4.6	4.3	0.001	0.01	0.65	5.6	0.2	0.3	187.0	<0.01	0.01	0.4
205432		<0.05	1.8	440	3.8	5.0	0.018	0.01	0.52	4.9	0.3	0.3	153.0	0.01	0.03	0.6
205433		0.06	1.8	1060	2.4	2.5	0.010	0.01	0.41	2.8	0.3	0.3	170.5	0.01	0.04	0.6
205434		0.06	0.8	460	2.0	1.8	0.009	0.01	0.57	2.8	0.2	0.4	202	0.01	0.04	0.5



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		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205395		0.123	0.05	0.43	59	0.08	8.83	36	5.1
205396		0.071	0.05	0.31	53	<0.05	6.87	39	3.0
205397		0.048	0.05	0.32	76	<0.05	6.84	81	2.3
205398		0.049	0.05	0.47	64	<0.05	7.31	164	2.5
205399		<0.005	0.06	0.57	39	<0.05	8.46	250	1.2
205400		0.512	<0.02	0.43	94	0.15	9.23	50	37.2
205401		0.017	0.05	0.44	61	<0.05	11.55	304	1.8
205402		0.021	0.05	0.16	67	<0.05	5.38	292	1.6
205403		0.054	0.04	0.16	44	<0.05	8.40	79	2.4
205404		0.035	0.05	1.38	46	0.20	7.98	52	2.2
205405		0.083	0.05	0.18	81	0.09	6.47	61	1.6
205406		0.028	0.04	0.28	60	0.06	7.08	137	1.5
205407		0.009	0.07	0.99	57	0.10	11.00	144	0.8
205408		<0.005	0.06	0.85	47	0.55	10.30	137	0.9
205409		<0.005	0.05	0.61	41	8.54	7.76	114	0.8
205410		0.039	0.32	4.24	60	2.61	12.05	65	4.1
205411		<0.005	0.08	0.86	37	3.12	16.80	121	0.7
205412		0.014	0.05	0.49	42	0.87	6.87	92	1.3
205413		0.065	0.03	0.34	45	0.11	6.34	38	2.2
205414		0.078	0.03	0.34	66	0.41	5.42	83	2.7
205415		0.073	0.04	0.38	49	0.16	4.91	74	2.5
205416		0.069	0.04	0.35	71	0.12	5.30	153	2.0
205417		0.081	0.03	0.52	58	0.14	6.06	38	2.7
205418		0.092	0.05	0.32	56	0.19	5.76	70	2.7
205419		0.090	0.09	0.55	49	0.36	4.70	64	3.1
205420		0.497	<0.02	0.45	87	0.14	8.05	46	29.4
205421		0.092	0.02	0.96	61	0.10	5.20	49	3.5
205422		0.089	0.02	0.43	64	0.24	3.53	45	3.4
205423		0.113	0.12	0.46	77	0.32	4.08	30	5.0
205424		0.039	0.08	0.31	58	0.09	5.57	223	1.7
205425		0.057	0.05	0.39	56	0.09	8.39	55	2.4
205426		0.012	0.06	0.27	45	0.11	4.57	160	1.2
205427		<0.005	0.09	0.68	25	0.55	18.30	185	1.0
205428		<0.005	0.11	0.48	16	0.34	8.96	104	0.5
205429		0.053	0.06	0.66	24	0.17	3.61	79	2.6
205430		0.009	0.10	0.47	87	3.60	14.40	64	2.7
205431		0.095	0.04	0.18	29	0.13	3.17	23	3.0
205432		0.065	0.06	0.96	22	0.16	8.37	19	2.7
205433		0.125	0.05	0.17	69	0.26	2.16	13	1.5
205434		0.118	0.04	0.19	32	0.14	3.03	9	2.8



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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
 1155 ROBSON STREET, SUITE 400
 VANCOUVER BC V6E 1B5

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Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10068721

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
205435		6.28	<0.001	0.05	2.12	6.8	<0.2	10	30	0.30	0.03	2.48	0.06	3.37	2.2	6
205436		6.20	<0.001	0.10	1.69	4.1	<0.2	10	20	0.27	0.03	2.59	0.06	2.87	2.4	5
205437		6.22	0.001	0.06	1.32	2.4	<0.2	20	10	0.26	0.03	3.01	0.10	2.80	2.9	5
205438		4.94	<0.001	0.12	1.02	1.4	<0.2	20	10	0.23	0.07	3.32	0.17	4.89	4.0	5
205439		6.34	<0.001	0.13	1.91	5.6	<0.2	10	20	0.28	0.04	2.68	0.08	4.38	4.2	9
205440		0.48	<0.001	0.03	1.95	0.6	<0.2	<10	50	0.99	0.03	2.25	0.06	27.6	31.2	25
205441		6.12	<0.001	0.11	1.82	5.4	<0.2	10	30	0.30	0.03	2.58	0.18	4.90	2.9	7
205442		5.08	<0.001	0.05	2.88	13.4	<0.2	10	20	0.40	0.03	2.54	0.07	4.27	1.8	4
205443		5.06	<0.001	0.04	1.92	12.0	<0.2	10	30	0.32	0.07	2.50	0.09	3.24	1.9	3
205444		4.12	<0.001	0.03	2.01	12.5	<0.2	10	20	0.27	0.12	3.27	0.07	2.96	4.3	4
205445		3.84	0.011	0.15	2.23	17.9	<0.2	10	30	0.31	0.31	3.30	0.23	3.70	4.6	5
205446		3.90	0.013	0.16	2.83	18.1	<0.2	10	40	0.34	0.23	2.17	0.15	3.58	4.5	7
205447		5.50	<0.001	0.10	2.30	18.7	<0.2	10	50	0.41	0.06	3.03	0.05	5.07	6.4	9
205448		5.72	<0.001	0.04	1.57	14.3	<0.2	10	30	0.29	0.04	1.42	0.07	1.87	1.7	4
205449		6.12	<0.001	0.04	1.52	7.8	<0.2	<10	30	0.26	0.03	1.89	0.04	2.92	2.2	6
205450		0.14	1.150	2.10	2.22	10.5	1.1	<10	80	0.21	0.48	1.37	1.62	7.36	27.0	58
205451		6.32	<0.001	0.04	1.44	4.7	<0.2	10	20	0.27	0.03	4.32	0.08	6.01	4.2	11
205452		6.28	<0.001	0.03	1.79	6.9	<0.2	<10	10	0.24	0.01	3.33	0.03	3.05	3.0	6
205453		6.38	<0.001	0.02	1.99	10.3	<0.2	<10	30	0.22	0.01	2.38	0.04	3.33	2.0	5
205454		6.46	<0.001	0.02	2.38	7.3	<0.2	<10	30	0.24	0.02	2.36	0.05	3.77	1.3	3
205455		6.26	<0.001	0.03	1.63	8.7	<0.2	10	20	0.24	0.02	3.16	0.11	5.27	3.9	11
205456		2.28	<0.001	0.02	1.65	14.8	<0.2	<10	10	0.17	0.04	2.67	0.02	2.73	5.4	28
205457		6.48	<0.001	0.03	1.71	21.9	<0.2	<10	20	0.14	0.01	1.84	0.05	2.17	2.6	38
205458		6.24	<0.001	0.04	1.74	22.7	<0.2	<10	20	0.13	0.01	1.92	0.05	2.05	2.4	41
205459		6.56	<0.001	0.04	1.97	21.2	<0.2	<10	20	0.14	0.01	2.00	0.05	2.87	2.4	17
205460		0.44	0.001	0.02	1.97	0.9	<0.2	<10	50	0.86	<0.01	2.21	0.04	28.1	32.6	27
205461		6.30	<0.001	0.07	1.81	17.9	<0.2	<10	20	0.21	0.03	2.99	0.05	3.49	3.6	6
205462		6.24	<0.001	0.04	1.36	12.0	<0.2	10	20	0.23	0.03	2.47	0.06	3.84	2.2	2
205463		6.22	<0.001	0.06	1.88	17.6	<0.2	10	30	0.19	0.01	1.90	0.07	1.95	1.6	3
205464		6.54	<0.001	0.09	1.23	20.3	<0.2	10	20	0.17	0.02	1.92	0.03	3.23	1.7	1
205465		6.16	<0.001	0.04	2.11	15.8	<0.2	10	60	0.24	0.06	3.38	0.09	5.66	3.3	2
205466		6.88	0.004	0.03	2.76	23.8	<0.2	<10	40	0.16	0.01	2.20	0.10	3.47	1.5	2
205467		6.78	<0.001	0.05	2.71	25.1	<0.2	<10	40	0.14	0.01	2.12	0.06	2.95	1.5	2
205468		6.34	<0.001	0.03	2.54	26.4	<0.2	<10	40	0.17	0.01	2.37	0.04	3.18	1.8	1
205469		7.84	<0.001	0.03	3.06	25.6	<0.2	<10	40	0.15	0.01	2.36	0.05	3.24	1.5	2
205470		0.16	0.218	1.89	1.54	28.0	0.2	<10	160	0.48	2.33	1.85	0.96	40.4	18.1	66
205471		5.96	<0.001	0.04	2.66	17.1	<0.2	<10	40	0.19	0.02	2.24	0.16	4.60	1.9	3
205472		4.60	0.001	0.03	2.46	17.3	<0.2	<10	40	0.19	0.02	2.15	0.19	3.56	1.5	2
205473		3.42	<0.001	0.06	2.12	24.7	<0.2	<10	40	0.14	0.01	1.98	0.18	3.68	2.1	2
205474		4.44	<0.001	0.03	2.11	17.2	<0.2	<10	40	0.19	0.01	2.18	0.22	3.71	1.4	1



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Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10068721

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
205435		2.84	5.2	0.75	4.45	0.06	0.12	0.20	0.013	0.04	1.2	11.2	0.43	257	0.25	0.37
205436		2.59	2.4	0.49	3.68	<0.05	0.08	0.20	0.015	0.08	1.0	12.3	0.37	269	1.63	0.28
205437		1.51	2.2	0.55	3.53	<0.05	0.09	0.20	0.023	0.06	0.8	12.6	0.44	398	3.50	0.20
205438		2.47	2.0	0.76	2.26	<0.05	0.05	0.21	0.015	0.11	1.5	12.3	0.51	539	2.33	0.09
205439		2.22	5.7	0.83	4.74	0.06	0.20	0.27	0.034	0.06	1.4	28.0	1.03	357	1.37	0.27
205440		0.15	25.4	3.48	6.93	0.15	0.57	0.32	0.037	0.42	13.3	4.1	3.02	581	1.94	0.83
205441		3.35	4.4	0.53	4.10	0.05	0.17	0.24	0.022	0.07	1.7	19.0	0.52	225	7.38	0.28
205442		3.36	3.7	0.53	6.07	0.09	0.15	0.23	0.011	0.08	1.5	12.8	0.49	296	0.48	0.58
205443		2.40	4.2	0.61	4.52	0.09	0.13	0.24	0.028	0.05	1.3	12.2	0.47	311	0.25	0.29
205444		2.35	2.8	1.29	5.39	0.11	0.12	0.27	0.090	0.06	1.5	23.2	0.94	539	0.23	0.19
205445		3.13	209	1.75	4.61	0.06	0.11	0.30	0.060	0.07	1.9	9.5	0.35	753	3.90	0.32
205446		2.12	336	3.25	6.08	0.07	0.10	0.22	0.049	0.06	1.7	8.1	0.35	201	0.54	0.42
205447		2.20	5.1	3.18	6.80	0.07	0.10	0.24	0.036	0.14	2.0	30.1	1.35	732	0.22	0.22
205448		1.74	27.5	0.94	3.43	0.05	0.09	0.24	0.021	0.04	0.8	6.7	0.26	158	0.92	0.29
205449		1.58	4.5	0.57	3.41	0.08	0.13	0.26	0.044	0.03	0.9	10.6	0.48	221	1.10	0.28
205450		1.01	5190	4.67	6.56	0.13	0.13	0.37	0.196	0.24	3.3	10.8	1.31	381	250	0.13
205451		3.13	2.3	0.93	4.20	0.06	0.11	<0.01	0.071	0.08	1.6	16.4	0.78	754	0.29	0.19
205452		1.39	3.5	0.77	4.90	0.07	0.13	<0.01	0.017	0.04	0.9	16.3	0.86	473	0.30	0.29
205453		1.83	6.8	0.59	4.30	0.08	0.14	<0.01	0.020	0.04	1.2	7.4	0.41	251	1.07	0.38
205454		1.71	12.2	0.48	5.05	0.10	0.15	<0.01	0.019	0.03	1.4	4.5	0.28	182	0.65	0.45
205455		1.51	4.2	1.15	4.59	0.08	0.13	<0.01	0.063	0.07	2.0	12.2	0.63	477	0.33	0.24
205456		0.64	1.7	1.24	5.27	0.11	0.13	<0.01	0.039	0.04	1.2	19.6	1.32	454	0.20	0.17
205457		1.54	2.6	4.76	4.15	0.12	0.09	<0.01	0.009	0.02	1.0	2.6	0.18	188	0.25	0.34
205458		1.33	3.4	4.04	4.24	0.13	0.10	<0.01	0.009	0.03	0.9	4.5	0.30	201	0.13	0.32
205459		1.51	2.2	3.90	4.23	0.13	0.11	<0.01	0.012	0.03	1.2	3.4	0.19	183	0.20	0.33
205460		0.12	25.4	3.73	7.80	0.18	0.74	<0.01	0.028	0.42	12.7	4.4	3.06	593	2.07	0.87
205461		1.98	2.8	1.77	4.72	0.07	0.08	<0.01	0.028	0.07	1.5	15.0	0.61	421	0.26	0.24
205462		1.76	1.5	0.82	3.57	0.06	0.12	<0.01	0.023	0.06	1.7	7.8	0.34	410	0.18	0.24
205463		1.99	2.0	2.46	4.20	0.09	0.08	<0.01	0.008	0.03	0.9	3.5	0.17	191	0.14	0.38
205464		1.50	2.0	0.49	3.28	0.09	0.11	<0.01	0.016	0.05	1.5	6.4	0.29	278	0.13	0.25
205465		2.04	1.4	2.63	4.86	0.09	0.10	<0.01	0.020	0.07	2.1	9.9	0.44	724	0.23	0.31
205466		1.60	1.2	2.89	5.46	0.10	0.08	<0.01	0.005	0.04	1.3	4.4	0.19	169	0.14	0.45
205467		1.24	0.9	3.35	5.22	0.10	0.07	<0.01	<0.005	0.03	1.2	4.1	0.16	149	0.10	0.44
205468		1.25	0.9	2.46	5.04	0.09	0.07	<0.01	0.006	0.03	1.3	6.7	0.25	216	0.10	0.40
205469		1.14	1.0	3.21	5.72	0.10	0.06	<0.01	0.005	0.03	1.3	3.7	0.15	148	0.13	0.51
205470		2.13	1960	4.21	5.48	0.12	0.12	0.08	0.079	0.51	22.2	9.0	0.85	361	158.5	0.06
205471		1.34	11.0	2.89	5.20	0.10	0.09	<0.01	0.006	0.04	2.0	4.3	0.19	178	1.12	0.47
205472		1.79	2.6	1.02	4.44	0.08	0.08	<0.01	0.007	0.04	1.4	5.7	0.21	172	0.27	0.47
205473		1.77	2.1	3.25	4.17	0.09	0.06	<0.01	0.006	0.03	1.5	3.7	0.14	193	0.21	0.38
205474		2.71	1.4	0.43	4.19	0.10	0.09	<0.01	0.009	0.05	1.5	4.9	0.21	201	0.15	0.43



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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205435		0.06	1.6	320	3.4	3.3	0.011	0.01	0.70	5.1	0.3	0.4	150.0	0.01	0.05	0.5
205436		<0.05	2.0	310	4.3	5.2	0.012	0.01	0.40	5.7	0.2	0.3	107.0	0.01	0.05	0.4
205437		<0.05	2.5	60	7.0	3.9	0.016	0.01	0.31	6.5	0.3	0.3	75.7	0.01	0.04	0.3
205438		<0.05	3.3	30	12.6	7.2	0.013	0.02	0.28	8.3	0.3	0.3	56.1	0.01	0.04	0.5
205439		0.05	4.3	30	8.5	4.1	0.014	0.01	0.76	16.5	0.3	0.4	118.5	0.01	0.06	0.6
205440		1.90	125.5	1290	1.1	10.3	0.018	0.03	0.07	6.5	0.4	0.8	151.0	0.04	0.06	1.5
205441		0.10	2.9	20	9.5	4.4	0.016	0.01	0.60	11.6	0.3	0.4	150.5	0.01	0.07	0.5
205442		0.07	1.3	240	4.6	4.0	0.012	0.01	1.24	6.5	0.3	0.5	228	0.01	0.06	0.4
205443		0.10	1.8	660	4.8	3.4	0.012	0.01	2.03	5.3	0.3	0.6	198.0	0.01	0.05	0.4
205444		0.05	5.1	1050	4.5	4.4	0.013	0.01	2.30	10.2	0.3	0.7	139.0	0.01	0.07	0.5
205445		0.05	2.5	740	6.8	5.3	0.016	0.24	1.40	6.4	0.4	1.1	160.5	0.01	0.32	0.5
205446		0.05	2.9	1130	5.2	4.0	0.014	0.18	1.32	6.5	0.4	0.8	188.5	0.01	0.28	0.6
205447		<0.05	7.2	1270	6.6	10.5	0.015	0.01	0.64	10.5	0.4	0.5	118.5	0.01	0.06	0.6
205448		0.05	1.9	1290	2.6	2.8	0.011	0.01	0.65	2.6	0.3	0.5	145.0	0.01	0.05	0.6
205449		0.07	2.1	620	2.1	2.6	0.012	0.01	0.64	8.4	0.4	0.7	156.0	0.01	0.06	0.5
205450		0.25	45.2	650	22.2	9.4	0.400	2.12	8.76	6.4	3.8	2.3	42.2	0.02	0.32	0.8
205451		0.12	2.8	130	6.5	6.3	<0.001	<0.01	0.51	23.1	0.5	0.5	108.0	<0.01	<0.01	0.6
205452		0.13	1.4	540	2.9	3.2	<0.001	<0.01	0.62	12.4	0.2	0.5	103.5	<0.01	<0.01	0.4
205453		0.13	1.0	820	2.1	3.0	0.001	<0.01	0.86	4.5	0.3	0.7	139.0	<0.01	0.01	0.4
205454		0.15	0.8	390	1.6	2.6	0.001	<0.01	1.09	3.3	0.3	0.6	182.0	<0.01	0.01	0.4
205455		0.11	4.2	730	4.7	5.1	<0.001	<0.01	0.87	12.2	0.3	0.9	117.0	<0.01	<0.01	0.4
205456		0.11	8.2	1390	2.3	2.8	<0.001	<0.01	1.45	17.4	0.2	0.5	110.0	<0.01	0.01	0.3
205457		0.16	3.1	1170	1.6	2.3	<0.001	<0.01	0.83	6.3	0.2	0.3	153.5	<0.01	<0.01	0.3
205458		0.16	2.9	1150	2.0	2.1	<0.001	<0.01	0.82	6.8	0.2	0.4	139.5	<0.01	<0.01	0.4
205459		0.17	2.6	1260	2.1	2.3	<0.001	<0.01	1.16	5.8	0.2	0.3	172.0	<0.01	0.01	0.4
205460		2.79	126.5	1380	0.5	10.9	0.001	0.02	0.06	7.6	0.4	0.7	144.0	0.04	<0.01	1.2
205461		0.17	4.2	1230	4.1	5.2	<0.001	<0.01	0.87	9.0	0.2	0.4	112.0	<0.01	<0.01	0.4
205462		0.12	2.4	830	3.6	3.9	<0.001	<0.01	1.35	6.6	0.2	0.4	143.0	<0.01	<0.01	0.4
205463		0.17	1.3	1120	2.5	2.5	<0.001	<0.01	1.08	3.2	<0.2	0.3	152.5	<0.01	<0.01	0.3
205464		0.16	1.5	1270	4.1	3.2	<0.001	<0.01	1.47	4.1	0.2	0.5	115.5	<0.01	<0.01	0.4
205465		0.13	3.1	900	6.6	4.9	<0.001	<0.01	1.65	7.3	0.2	0.2	153.0	<0.01	<0.01	0.3
205466		0.23	0.9	1160	1.8	2.2	<0.001	<0.01	0.40	3.0	0.2	0.3	203	<0.01	<0.01	0.4
205467		0.20	0.7	1080	1.7	2.0	<0.001	<0.01	0.34	3.0	0.2	0.3	195.0	<0.01	<0.01	0.4
205468		0.17	0.9	1120	1.7	2.0	<0.001	<0.01	0.58	3.5	0.2	0.3	188.0	<0.01	<0.01	0.4
205469		0.21	0.7	1120	1.5	1.7	<0.001	<0.01	0.31	2.8	0.2	0.3	218	<0.01	<0.01	0.4
205470		0.21	17.8	740	20.4	32.8	0.038	1.90	7.10	6.5	3.3	1.8	72.7	<0.01	0.27	9.7
205471		0.19	1.6	1050	1.9	1.9	<0.001	<0.01	0.58	2.6	0.2	0.3	216	<0.01	<0.01	0.5
205472		0.19	1.2	1340	2.0	2.2	<0.001	<0.01	0.68	2.3	0.2	0.4	219	<0.01	<0.01	0.4
205473		0.18	1.7	1230	2.3	2.1	<0.001	<0.01	0.48	2.4	0.2	0.3	166.5	<0.01	<0.01	0.5
205474		0.21	0.9	1230	2.2	2.8	<0.001	<0.01	0.82	3.3	0.2	0.5	224	<0.01	<0.01	0.5



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Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10068721

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205435		0.101	0.05	0.73	23	0.18	5.69	26	3.3
205436		0.039	0.07	0.70	15	0.20	4.34	34	1.9
205437		0.045	0.06	0.78	21	0.10	5.23	50	1.8
205438		0.005	0.09	1.23	13	0.19	10.80	83	0.7
205439		0.145	0.07	0.42	30	0.18	7.53	36	4.7
205440		0.538	0.06	0.51	90	0.19	8.54	48	35.4
205441		0.111	0.07	0.64	22	0.15	7.37	35	4.1
205442		0.156	0.06	0.59	21	0.10	4.69	23	4.6
205443		0.122	0.06	0.42	31	0.27	4.46	26	3.7
205444		0.109	0.08	0.48	63	0.30	4.94	59	3.3
205445		0.100	0.07	1.63	45	0.79	6.70	48	3.8
205446		0.114	0.06	0.63	71	0.67	4.50	31	2.9
205447		0.066	0.10	1.16	95	0.67	11.25	141	2.1
205448		0.061	0.05	0.74	28	0.52	4.63	17	2.5
205449		0.087	0.05	0.66	20	0.22	7.12	12	3.5
205450		0.168	0.45	0.37	81	16.70	8.08	207	3.6
205451		0.049	0.06	0.46	18	0.08	18.65	95	2.7
205452		0.103	0.02	0.23	21	0.09	7.78	25	3.7
205453		0.128	0.02	0.63	25	0.23	5.77	11	4.5
205454		0.152	0.02	0.71	25	0.30	4.32	8	4.9
205455		0.093	0.03	0.96	38	0.28	7.16	80	4.9
205456		0.144	0.02	0.37	79	0.44	5.60	17	3.9
205457		0.186	0.02	0.13	116	0.26	3.54	10	3.2
205458		0.202	0.02	0.15	126	0.19	4.45	13	3.1
205459		0.175	<0.02	0.15	143	0.28	5.06	12	3.7
205460		0.557	<0.02	0.38	96	0.15	8.43	45	46.9
205461		0.087	0.04	0.39	84	0.15	7.33	49	2.8
205462		0.079	0.03	0.58	35	0.12	5.91	29	3.7
205463		0.117	0.02	0.21	49	0.21	3.17	9	2.8
205464		0.123	0.03	0.71	39	0.23	5.20	8	3.9
205465		0.097	0.04	0.46	65	0.16	6.00	59	3.6
205466		0.142	0.02	0.14	69	0.14	4.76	9	2.4
205467		0.153	0.02	0.13	76	0.15	4.60	8	1.8
205468		0.133	0.02	0.33	67	0.20	5.54	13	2.2
205469		0.153	0.02	0.10	76	0.11	5.53	8	1.8
205470		0.040	0.32	4.07	58	2.67	11.40	62	4.0
205471		0.127	0.02	0.30	67	0.17	4.61	12	2.6
205472		0.118	0.02	0.41	48	0.25	6.21	10	2.7
205473		0.126	0.02	0.25	71	0.17	5.79	13	2.3
205474		0.113	0.02	0.71	40	0.16	5.48	8	3.2



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CERTIFICATE OF ANALYSIS VA10068721

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
205475		6.22	<0.001	0.04	2.63	22.0	<0.2	10	40	0.20	0.02	2.33	0.16	3.63	1.8	1
205476		6.14	<0.001	0.04	2.51	21.3	<0.2	<10	40	0.17	0.01	2.20	0.12	3.69	1.8	2
205477		6.36	<0.001	0.04	2.09	14.5	<0.2	<10	40	0.18	0.01	1.72	0.09	2.89	0.9	1
205478		6.16	0.003	0.04	1.72	16.1	<0.2	<10	40	0.18	<0.01	1.52	0.08	2.94	0.9	1
205479		6.20	<0.001	0.08	1.83	20.0	<0.2	10	40	0.22	0.01	1.46	0.11	3.63	1.3	2
205480		0.32	<0.001	0.02	2.02	0.7	<0.2	<10	50	0.89	<0.01	2.31	0.06	26.4	32.3	26
205481		5.72	<0.001	0.05	1.47	16.7	<0.2	10	20	0.21	0.01	1.61	0.09	4.33	3.4	5
205482		7.22	<0.001	0.12	1.56	19.2	<0.2	20	1250	0.25	0.03	3.18	0.20	5.90	4.7	3
205483		7.12	<0.001	0.07	1.40	15.1	<0.2	20	300	0.30	0.01	3.89	0.30	5.56	4.5	5
205484		6.30	<0.001	0.05	2.39	11.0	<0.2	<10	40	0.12	0.01	1.94	0.07	3.54	5.7	12



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CERTIFICATE OF ANALYSIS VA10068721

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
205475		2.28	1.3	1.75	5.20	0.09	0.06	<0.01	0.009	0.04	1.5	5.4	0.21	208	0.17	0.44
205476		2.65	1.4	2.42	4.89	0.10	0.06	<0.01	0.008	0.04	1.6	5.0	0.19	170	0.20	0.42
205477		4.00	1.4	0.31	3.83	0.08	0.06	<0.01	0.005	0.05	1.2	6.4	0.25	143	0.23	0.46
205478		3.65	1.4	0.25	3.46	0.08	0.07	<0.01	0.007	0.04	1.1	6.9	0.27	159	0.23	0.42
205479		2.98	2.1	0.39	4.27	0.08	0.09	<0.01	0.010	0.05	1.3	13.9	0.48	240	0.26	0.39
205480		0.20	23.9	3.60	7.63	0.18	0.66	<0.01	0.033	0.43	12.0	4.8	3.18	619	2.04	0.86
205481		2.07	2.0	0.73	4.27	0.08	0.11	<0.01	0.012	0.06	1.6	28.3	0.93	837	0.20	0.22
205482		5.31	5.6	2.87	4.16	0.08	0.04	<0.01	0.020	0.17	2.3	11.9	0.35	9080	0.90	0.22
205483		4.86	1.4	2.95	4.28	0.08	0.03	<0.01	0.009	0.34	2.3	14.5	0.59	3140	0.17	0.14
205484		1.68	4.1	5.12	6.79	0.11	0.03	<0.01	0.011	0.10	1.4	13.1	0.49	561	0.29	0.36



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CERTIFICATE OF ANALYSIS VA10068721

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205475		0.17	0.9	1220	2.3	2.2	0.001	<0.01	0.72	3.2	0.2	0.3	214	<0.01	<0.01	0.4
205476		0.19	1.2	1290	2.6	2.5	<0.001	<0.01	0.57	2.8	<0.2	0.3	208	<0.01	<0.01	0.4
205477		0.17	0.8	1270	3.5	3.1	<0.001	<0.01	0.54	2.3	<0.2	0.3	205	<0.01	<0.01	0.3
205478		0.17	0.7	1170	4.0	2.9	<0.001	<0.01	0.61	2.5	0.2	0.3	156.5	<0.01	<0.01	0.3
205479		0.16	1.2	1090	7.9	3.2	0.001	<0.01	0.98	3.0	0.2	0.4	152.0	<0.01	<0.01	0.3
205480		2.05	128.0	1330	0.8	11.0	<0.001	0.02	0.05	6.8	0.5	0.8	154.5	0.03	<0.01	1.2
205481		0.16	3.5	1160	8.1	4.2	<0.001	<0.01	0.87	6.5	0.2	0.3	75.1	<0.01	<0.01	0.4
205482		0.15	4.2	1060	7.8	10.9	0.002	0.04	1.55	7.2	0.3	0.3	152.5	<0.01	<0.01	0.5
205483		0.13	3.5	1010	12.0	22.9	<0.001	0.02	0.46	7.0	0.2	0.2	97.3	<0.01	0.01	0.4
205484		0.15	3.7	1000	3.7	6.5	0.001	<0.01	0.27	4.6	0.2	0.3	141.0	<0.01	<0.01	0.5



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CERTIFICATE OF ANALYSIS VA10068721

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205475		0.116	<0.02	0.29	55	0.14	6.00	9	2.2
205476		0.121	0.02	0.22	60	0.17	5.84	9	2.0
205477		0.104	0.02	0.24	32	0.28	3.62	6	1.9
205478		0.117	0.02	0.31	37	0.30	3.54	7	1.9
205479		0.115	0.02	0.47	33	0.31	4.97	22	2.9
205480		0.531	<0.02	0.38	90	0.13	8.28	47	43.3
205481		0.119	0.04	0.36	40	0.23	5.14	67	3.5
205482		0.069	0.09	0.14	81	0.11	10.50	69	1.0
205483		0.060	0.12	0.10	84	0.12	9.13	115	1.1
205484		0.116	0.04	0.09	181	0.12	4.65	31	0.9



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CERTIFICATE OF ANALYSIS VA10068721

Method	CERTIFICATE COMMENTS
ME-MS41 ME-MS41	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). Interference: Mo>400ppm on ICP-MS Cd,ICP-AES results shown.



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CERTIFICATE VA10068720

Project: Woodjam North
P.O. No.: WJN-2010-25
This report is for 86 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 27-MAY-2010.
The following have access to data associated with this certificate:

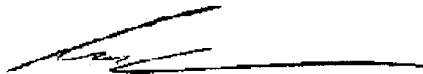
BLAIRD JULIANNE MADSEN	NATE BREWER ROSS SHERLOCK	JOHN HERTEL TWILA SKINNER
---------------------------	------------------------------	------------------------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS41	51 anal. aqua regia ICPMS	

To: GOLD FIELDS HORSEFLY EXPLORATION INC.
ATTN: JULIANNE MADSEN
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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 VA10068720

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
205485		8.66	0.003	0.06	0.42	2.6	<0.2	<10	80	0.07	0.02	0.44	0.02	12.90	2.1	10
205486		3.16	0.001	0.04	0.46	3.1	<0.2	<10	120	0.07	0.03	0.52	0.01	18.70	1.3	6
205487		5.26	0.003	0.08	0.50	2.1	<0.2	<10	70	0.07	0.01	0.42	0.02	15.25	3.2	7
205488		4.64	0.002	0.06	0.50	2.0	<0.2	<10	90	0.08	0.01	0.43	0.01	13.45	3.8	8
205489		6.26	0.008	0.10	0.54	2.1	<0.2	<10	80	0.10	0.01	0.43	0.01	14.50	4.6	7
205490		0.14	0.304	1.90	1.37	48.3	0.3	<10	110	0.31	0.36	4.17	1.32	17.75	18.3	24
205491		6.32	0.004	0.56	0.51	7.8	<0.2	<10	150	0.11	0.03	0.56	0.06	11.65	2.0	5
205492		6.72	0.001	0.02	0.59	3.6	<0.2	<10	230	0.11	0.04	0.78	0.08	11.20	0.6	5
205493		6.26	0.002	0.01	0.59	3.8	<0.2	<10	140	0.10	0.04	0.69	0.08	11.65	0.9	5
205494		6.32	<0.001	0.01	0.60	4.0	<0.2	<10	110	0.11	0.04	0.73	0.15	12.40	0.9	5
205495		6.40	<0.001	0.01	0.52	3.6	<0.2	<10	100	0.10	0.03	0.71	0.23	12.45	1.2	7
205496		6.46	<0.001	0.02	0.44	2.9	<0.2	<10	70	0.09	0.03	0.47	0.04	13.80	2.2	8
205497		7.08	<0.001	0.04	0.47	3.3	<0.2	<10	70	0.09	0.02	0.50	0.03	12.85	1.7	7
205498		6.04	<0.001	0.01	0.51	3.4	<0.2	<10	240	0.10	0.02	0.55	0.07	12.10	1.5	7
205499		7.06	<0.001	0.02	0.55	3.7	<0.2	<10	80	0.13	0.04	1.01	0.05	12.25	1.0	5
205500		0.24	0.001	0.01	1.74	0.7	<0.2	<10	40	0.69	0.01	1.91	0.03	27.0	26.9	19
205501		7.10	0.001	0.06	0.55	4.6	<0.2	<10	140	0.12	0.02	0.73	0.40	13.30	1.9	6
205502		7.02	<0.001	0.09	0.54	4.1	<0.2	<10	100	0.10	0.01	0.59	0.05	13.80	2.5	8
205503		6.76	<0.001	0.03	0.43	2.9	<0.2	<10	90	0.08	0.01	0.48	0.05	12.55	2.2	7
205504		6.76	<0.001	0.07	0.45	3.4	<0.2	<10	90	0.09	0.02	0.58	0.16	12.95	2.2	8
205505		6.98	<0.001	0.08	0.49	4.0	<0.2	<10	100	0.10	0.01	0.84	0.14	13.40	3.1	7
205506		6.92	0.002	0.12	0.64	5.9	<0.2	<10	30	0.23	0.10	2.34	0.09	14.15	3.0	4
205507		6.92	0.002	0.04	0.69	4.6	<0.2	<10	50	0.29	0.05	3.67	0.11	16.70	3.5	3
205508		6.46	<0.001	0.06	0.49	7.6	<0.2	10	50	0.32	0.14	2.90	0.19	17.80	1.9	4
205509		3.92	<0.001	0.03	0.37	3.0	<0.2	<10	60	0.10	0.02	0.64	0.08	11.95	1.4	8
205510		0.16	1.355	2.11	2.20	10.8	0.8	<10	160	0.12	0.49	1.36	1.52	7.17	26.5	56
205511		7.24	<0.001	0.03	0.53	4.0	<0.2	<10	130	0.12	0.03	0.63	0.18	13.90	1.0	7
205512		7.44	<0.001	0.02	0.50	3.0	<0.2	<10	160	0.08	0.02	0.57	0.09	13.25	1.2	6
205513		7.36	<0.001	0.03	0.50	3.8	<0.2	<10	70	0.12	0.04	0.78	0.20	13.25	1.2	6
205514		7.20	<0.001	0.04	0.39	3.7	<0.2	<10	60	0.08	0.02	0.46	0.42	14.40	1.3	8
205515		6.64	<0.001	0.08	0.55	4.3	<0.2	<10	170	0.15	0.02	0.77	0.10	15.90	1.4	5
205516		7.14	<0.001	0.04	0.72	4.6	<0.2	<10	130	0.16	0.03	1.17	0.05	13.15	1.9	5
205517		7.62	<0.001	0.02	0.76	4.4	<0.2	<10	150	0.13	0.02	1.13	0.01	14.70	1.2	5
205518		6.34	<0.001	0.14	0.81	3.3	<0.2	<10	40	0.16	0.05	2.20	0.08	16.40	1.9	5
205519		7.06	<0.001	0.03	0.58	3.2	<0.2	<10	150	0.08	0.02	0.65	0.02	15.30	0.8	5
205520		0.26	<0.001	0.02	1.98	0.6	<0.2	<10	50	0.68	0.01	2.18	0.05	24.4	29.8	29
205521		7.24	<0.001	0.07	0.52	3.3	<0.2	<10	110	0.08	0.01	0.56	0.10	13.20	1.3	7
205522		6.06	<0.001	0.04	0.48	2.9	<0.2	<10	100	0.07	0.02	0.54	0.53	13.85	1.2	7
205523		7.20	<0.001	0.03	0.35	2.3	<0.2	<10	60	0.06	0.01	0.42	0.23	14.50	1.7	8
205524		6.96	<0.001	0.02	0.40	2.1	<0.2	<10	70	0.08	0.02	0.58	0.04	14.25	1.5	7



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
205485		0.67	440	2.12	2.47	0.09	0.31	<0.01	0.012	0.06	6.7	2.7	0.13	69	1.36	0.10
205486		1.41	209	1.36	1.82	0.09	0.29	<0.01	0.011	0.05	9.2	2.3	0.10	61	1.17	0.10
205487		0.89	803	2.15	3.06	0.10	0.30	<0.01	0.021	0.06	7.9	4.6	0.26	76	2.90	0.09
205488		0.98	528	2.25	3.12	0.11	0.31	<0.01	0.020	0.06	7.0	4.4	0.25	75	1.60	0.09
205489		1.26	662	2.21	3.70	0.12	0.31	<0.01	0.032	0.07	7.7	5.9	0.31	84	2.53	0.08
205490		1.11	3260	4.53	6.05	0.13	0.08	0.20	0.073	0.20	9.8	9.9	1.27	614	432	0.09
205491		1.32	758	1.06	2.29	0.10	0.30	<0.01	0.063	0.04	6.0	4.2	0.16	106	2.73	0.07
205492		3.04	15.8	0.32	1.91	0.08	0.25	<0.01	0.012	0.03	5.7	2.7	0.09	144	1.31	0.08
205493		2.44	8.9	0.61	2.09	0.08	0.28	<0.01	0.010	0.03	6.0	3.5	0.12	145	0.63	0.11
205494		2.13	5.9	0.38	2.02	0.08	0.25	<0.01	0.009	0.03	6.2	4.0	0.13	128	3.04	0.12
205495		1.20	7.6	1.12	2.06	0.08	0.29	<0.01	0.011	0.04	6.3	2.5	0.12	126	0.48	0.11
205496		0.53	80.3	2.17	2.32	0.07	0.31	<0.01	0.008	0.06	7.1	1.8	0.12	130	1.58	0.11
205497		1.08	213	1.43	2.16	0.08	0.26	<0.01	0.007	0.03	6.5	3.1	0.15	114	1.51	0.10
205498		0.91	34.6	1.37	1.99	0.07	0.27	<0.01	0.008	0.04	6.0	2.4	0.12	134	0.54	0.11
205499		1.28	3.5	0.41	2.00	0.07	0.27	<0.01	0.022	0.02	6.3	3.4	0.13	178	0.26	0.12
205500		0.13	25.9	2.77	6.59	0.14	0.57	<0.01	0.035	0.37	12.7	3.5	2.56	504	1.75	0.78
205501		0.94	118.0	1.07	2.15	0.07	0.28	<0.01	0.009	0.04	6.7	3.2	0.15	187	3.30	0.12
205502		0.65	274	2.25	2.58	0.08	0.33	<0.01	0.008	0.07	7.0	3.1	0.17	176	1.17	0.13
205503		0.59	106.5	2.00	2.13	0.07	0.27	<0.01	0.006	0.05	6.4	2.2	0.13	148	2.00	0.11
205504		0.62	57.4	2.05	2.27	0.07	0.28	<0.01	0.008	0.06	6.6	2.5	0.14	163	0.77	0.11
205505		0.91	123.0	2.11	2.68	0.07	0.24	<0.01	0.011	0.05	6.9	3.5	0.21	300	0.67	0.10
205506		4.63	11.9	0.82	2.76	0.06	0.18	<0.01	0.043	0.07	7.2	8.1	0.31	687	0.21	0.08
205507		4.92	3.1	0.77	2.52	0.05	0.12	<0.01	0.057	0.09	8.7	8.4	0.38	1210	0.20	0.09
205508		4.80	11.4	1.08	2.03	0.05	0.12	<0.01	0.136	0.14	9.8	3.7	0.33	1030	0.74	0.07
205509		0.82	8.3	1.24	1.58	0.07	0.25	<0.01	0.010	0.04	6.0	2.0	0.11	171	0.30	0.09
205510		1.01	5220	4.69	6.94	0.12	0.12	0.10	0.182	0.24	3.3	9.9	1.32	385	247	0.14
205511		1.59	20.2	0.91	1.86	0.07	0.26	<0.01	0.007	0.03	6.9	2.6	0.11	109	0.66	0.13
205512		1.62	11.2	1.22	1.84	0.06	0.23	<0.01	0.006	0.05	6.7	2.0	0.09	115	0.60	0.13
205513		1.82	7.3	0.66	1.89	0.07	0.28	<0.01	0.011	0.03	6.6	5.1	0.18	180	2.62	0.11
205514		0.82	69.7	1.47	1.77	0.07	0.32	<0.01	0.006	0.05	7.1	2.1	0.10	102	25.1	0.10
205515		1.97	7.8	0.90	2.25	0.09	0.30	0.02	0.013	0.03	7.9	5.5	0.26	181	5.98	0.11
205516		2.04	2.7	0.58	3.16	0.10	0.31	0.01	0.033	0.03	6.5	11.5	0.54	346	0.34	0.12
205517		2.26	1.4	0.44	2.87	0.11	0.22	<0.01	0.030	0.03	7.1	8.5	0.30	166	0.26	0.14
205518		2.77	2.8	0.71	3.58	0.05	0.13	<0.01	0.033	0.07	8.5	16.2	0.55	586	0.22	0.10
205519		2.32	3.0	0.68	1.82	0.07	0.21	<0.01	0.010	0.03	7.6	3.4	0.12	86	0.54	0.15
205520		0.15	27.0	3.59	7.86	0.16	0.57	0.01	0.030	0.43	12.1	3.3	2.97	575	1.89	0.87
205521		1.32	21.7	1.53	1.88	0.08	0.22	0.01	<0.005	0.04	6.2	1.9	0.08	83	1.81	0.14
205522		0.90	63.4	1.69	2.00	0.08	0.23	0.01	0.005	0.04	6.6	1.6	0.08	83	3.79	0.12
205523		0.68	86.9	2.05	2.02	0.08	0.25	0.01	<0.005	0.06	6.9	1.4	0.08	87	2.23	0.10
205524		1.44	7.1	1.54	1.95	0.07	0.22	0.01	0.006	0.06	6.8	2.1	0.10	164	0.82	0.10



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		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205485		0.25	2.0	680	1.7	2.5	0.001	0.04	0.19	1.1	0.4	0.8	47.3	<0.01	0.02	2.6
205486		0.29	1.3	690	1.3	2.6	0.001	0.02	0.37	1.1	0.4	0.7	105.0	<0.01	0.02	3.0
205487		0.20	2.2	670	1.7	4.2	0.001	0.08	0.17	1.4	0.7	0.7	42.8	<0.01	0.02	2.8
205488		0.19	2.0	680	1.4	4.5	<0.001	0.06	0.15	1.4	0.4	0.6	38.0	<0.01	0.01	3.1
205489		0.15	2.4	690	1.9	5.5	0.001	0.07	0.18	1.7	0.4	0.8	38.6	<0.01	0.02	3.2
205490		0.08	22.0	1140	9.5	9.3	0.070	1.90	5.56	8.2	6.9	0.9	141.5	<0.01	0.22	1.3
205491		0.15	1.4	620	2.4	2.3	0.003	0.08	0.87	1.6	0.4	0.6	156.5	<0.01	0.02	3.1
205492		0.19	0.8	670	2.7	2.7	0.001	0.01	1.00	1.2	0.2	0.6	267	<0.01	0.01	2.1
205493		0.18	1.0	630	2.1	2.3	<0.001	<0.01	0.84	1.2	<0.2	0.6	183.0	<0.01	0.01	2.5
205494		0.21	0.9	620	4.1	1.8	0.001	<0.01	0.93	1.3	0.2	0.6	167.0	<0.01	<0.01	2.2
205495		0.24	1.1	620	4.8	1.5	<0.001	<0.01	0.80	1.4	<0.2	0.5	129.0	0.01	<0.01	2.5
205496		0.24	2.5	640	2.4	2.1	0.001	0.01	0.34	1.3	0.2	0.5	53.5	<0.01	0.01	3.4
205497		0.21	1.6	640	1.3	1.5	0.003	0.03	0.59	1.1	0.4	0.5	93.0	<0.01	0.01	3.0
205498		0.19	1.4	630	2.1	1.6	0.001	0.04	0.57	1.2	0.2	0.5	234	<0.01	0.01	2.2
205499		0.20	1.1	610	3.4	1.3	<0.001	0.01	0.89	1.4	<0.2	0.5	135.0	<0.01	0.01	2.3
205500		2.74	104.0	1190	0.5	9.8	<0.001	0.02	<0.05	7.1	0.4	0.7	132.5	0.04	<0.01	1.4
205501		0.28	2.3	630	14.3	1.6	0.001	0.02	0.94	1.6	0.2	0.4	143.5	<0.01	<0.01	2.5
205502		0.23	1.9	680	3.5	2.5	0.001	0.02	0.53	1.4	0.3	0.5	77.8	<0.01	0.01	3.4
205503		0.22	1.7	640	1.3	1.8	0.001	0.01	0.38	1.2	0.2	0.4	74.8	<0.01	0.01	2.6
205504		0.21	1.6	660	7.3	1.9	<0.001	<0.01	0.67	1.4	0.2	0.4	71.2	<0.01	<0.01	3.0
205505		0.16	2.1	680	3.7	2.0	<0.001	0.01	1.14	1.8	0.2	0.4	86.7	<0.01	<0.01	2.7
205506		0.08	2.5	650	14.7	5.9	<0.001	<0.01	1.93	4.4	0.2	0.4	79.1	<0.01	<0.01	2.4
205507		0.05	2.7	670	9.5	6.9	<0.001	0.01	0.76	4.7	0.2	0.4	96.2	<0.01	<0.01	2.4
205508		0.08	1.7	550	11.2	9.0	<0.001	0.04	2.62	2.0	0.2	0.8	91.3	<0.01	0.01	3.4
205509		0.24	1.2	630	3.4	1.5	<0.001	0.02	0.61	1.1	<0.2	0.4	57.0	<0.01	<0.01	2.8
205510		0.30	41.9	650	23.3	9.9	0.388	2.20	8.24	6.8	4.0	2.4	44.7	0.01	0.25	0.8
205511		0.22	1.1	640	8.8	1.7	<0.001	0.01	0.86	0.9	0.2	0.5	151.5	<0.01	<0.01	3.0
205512		0.26	1.1	610	4.1	2.0	<0.001	<0.01	0.51	0.9	<0.2	0.5	151.5	<0.01	<0.01	3.4
205513		0.16	1.3	630	5.7	1.7	0.003	<0.01	0.82	1.3	<0.2	0.5	95.5	<0.01	0.01	2.6
205514		0.20	1.3	540	6.2	1.8	0.012	0.01	0.59	0.9	0.2	0.5	63.4	<0.01	0.01	4.5
205515		0.15	1.4	690	10.8	2.0	0.003	<0.01	0.72	2.0	0.2	0.6	146.5	<0.01	0.01	2.6
205516		0.11	1.9	690	3.4	2.0	<0.001	<0.01	0.90	2.9	0.2	0.7	135.5	<0.01	0.01	2.0
205517		0.17	1.4	640	2.2	1.7	<0.001	<0.01	1.00	1.8	0.2	0.5	167.5	0.01	<0.01	2.1
205518		0.05	2.9	660	4.3	4.6	<0.001	0.03	0.65	3.5	0.2	0.4	80.5	<0.01	0.01	2.0
205519		0.17	0.9	680	2.4	1.7	0.001	0.02	0.74	1.0	0.2	0.5	161.0	<0.01	<0.01	2.2
205520		2.60	117.5	1250	1.2	11.0	<0.001	0.02	0.05	7.3	0.2	0.8	141.0	0.04	<0.01	1.5
205521		0.23	2.2	680	10.5	1.9	0.004	0.01	0.59	0.9	0.2	0.5	109.5	0.01	0.01	2.4
205522		0.23	1.5	670	10.8	1.8	0.006	0.01	0.53	0.8	0.2	0.4	100.0	<0.01	0.01	2.8
205523		0.21	1.6	650	7.6	1.9	0.002	0.01	0.18	0.9	0.2	0.5	44.2	<0.01	<0.01	2.9
205524		0.15	1.4	640	2.8	2.7	0.001	<0.01	0.42	1.2	<0.2	0.6	60.3	<0.01	<0.01	3.2



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Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10068720

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205485		0.090	<0.02	1.32	64	0.16	6.24	7	5.8
205486		0.088	<0.02	1.76	46	0.12	7.41	41	5.3
205487		0.087	0.02	1.76	67	0.10	6.64	8	4.8
205488		0.085	0.02	1.81	69	0.09	6.32	8	5.4
205489		0.082	0.03	2.94	68	0.08	6.46	12	5.4
205490		0.009	0.10	0.55	85	4.31	14.35	61	2.6
205491		0.064	0.02	1.48	35	0.10	5.43	11	5.2
205492		0.075	<0.02	1.06	17	0.09	5.68	4	4.8
205493		0.075	<0.02	1.07	23	0.11	5.43	6	4.8
205494		0.075	<0.02	1.28	17	0.12	5.88	8	4.8
205495		0.071	<0.02	1.29	36	0.16	5.84	7	5.7
205496		0.075	<0.02	1.08	64	0.14	6.17	10	5.6
205497		0.073	<0.02	1.11	45	0.11	6.02	6	4.8
205498		0.072	<0.02	1.00	43	0.11	6.01	8	4.9
205499		0.071	<0.02	1.60	19	0.12	5.85	43	5.2
205500		0.445	<0.02	0.53	79	0.12	8.28	41	34.0
205501		0.075	<0.02	1.65	34	0.12	6.42	16	6.1
205502		0.081	<0.02	1.34	66	0.18	7.08	12	6.7
205503		0.067	<0.02	0.89	59	0.14	5.60	8	5.2
205504		0.074	<0.02	1.03	61	0.13	6.06	16	5.5
205505		0.060	<0.02	1.09	63	0.10	6.44	16	5.2
205506		0.034	0.05	1.10	28	0.05	7.70	41	4.2
205507		0.013	0.05	1.33	25	<0.05	11.05	41	3.2
205508		0.024	0.08	1.82	45	0.53	8.78	24	3.5
205509		0.075	<0.02	1.32	38	0.13	5.93	7	5.3
205510		0.164	0.40	0.40	81	15.05	8.32	208	3.8
205511		0.079	<0.02	1.16	29	0.09	6.48	5	5.1
205512		0.076	<0.02	1.10	38	0.11	5.69	5	4.5
205513		0.071	<0.02	1.32	23	0.06	6.31	25	5.6
205514		0.069	<0.02	1.13	44	<0.05	5.97	10	5.9
205515		0.071	<0.02	1.40	31	<0.05	7.00	73	6.2
205516		0.081	0.02	2.51	23	<0.05	6.66	194	6.7
205517		0.073	<0.02	1.57	24	<0.05	6.77	23	4.3
205518		0.030	0.04	1.49	38	<0.05	8.73	62	2.8
205519		0.076	<0.02	1.15	27	<0.05	6.31	9	4.2
205520		0.533	<0.02	0.45	91	0.12	8.58	54	34.5
205521		0.082	<0.02	0.97	49	<0.05	6.26	6	5.1
205522		0.080	<0.02	0.98	53	<0.05	6.23	5	4.9
205523		0.080	<0.02	0.93	64	<0.05	6.58	7	5.1
205524		0.071	<0.02	0.82	48	<0.05	6.28	11	4.1



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Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
205525		6.86	<0.001	0.04	0.49	2.4	<0.2	<10	50	0.13	0.04	1.47	0.13	17.30	2.9	6
205526		7.50	<0.001	0.01	0.36	1.5	<0.2	<10	80	0.05	0.01	0.41	0.01	16.25	1.8	10
205527		6.92	<0.001	0.01	0.33	1.6	<0.2	<10	60	0.05	0.01	0.40	0.01	15.85	1.9	8
205528		7.00	<0.001	0.02	0.35	1.6	<0.2	<10	60	0.07	0.01	0.42	0.03	17.15	2.2	9
205529		7.12	0.001	0.02	0.37	1.6	<0.2	<10	70	0.08	0.02	0.45	0.03	16.35	2.6	9
205530		0.16	0.246	2.04	1.56	28.1	<0.2	<10	60	0.42	2.46	1.79	1.10	38.3	18.0	64
205531		7.44	<0.001	0.02	0.48	2.5	<0.2	<10	110	0.10	0.02	0.89	0.02	14.50	0.7	8
205532		7.20	<0.001	0.04	0.44	5.1	<0.2	<10	80	0.09	0.03	0.66	0.06	13.55	0.5	6
205533		6.76	<0.001	0.01	0.49	2.9	<0.2	<10	120	0.12	0.01	0.73	0.03	15.70	0.7	7
205534		6.84	0.001	0.16	0.53	3.0	<0.2	<10	50	0.24	0.11	1.77	0.16	17.50	3.0	5
205535		7.04	0.001	0.03	0.44	5.3	<0.2	<10	90	0.09	0.01	0.61	0.03	17.35	1.5	8
205536		7.24	0.002	0.04	0.53	3.0	<0.2	<10	80	0.10	0.03	0.72	0.04	15.75	1.6	8
205537		7.18	0.004	0.07	0.44	2.2	<0.2	<10	70	0.07	0.02	0.46	0.02	15.80	2.8	9
205538		7.20	0.007	0.08	0.42	3.0	<0.2	<10	70	0.07	0.01	0.53	0.04	16.20	2.4	10
205539		6.88	0.002	0.05	0.57	3.2	<0.2	<10	120	0.09	0.01	0.90	0.03	16.25	1.5	5
205540		0.24	0.001	0.02	2.06	0.6	<0.2	<10	50	0.83	<0.01	2.30	0.04	30.5	30.0	25
205541		7.10	0.006	0.05	0.43	2.7	<0.2	<10	70	0.08	0.03	0.43	0.03	16.00	3.3	7
205542		7.22	0.003	0.03	0.39	2.1	<0.2	<10	60	0.06	0.01	0.40	0.02	16.10	2.3	10
205543		7.24	0.005	0.02	0.36	2.1	<0.2	<10	50	0.07	0.02	0.37	0.03	14.75	2.7	6
205544		6.96	0.003	0.03	0.45	2.8	<0.2	<10	60	0.11	0.02	0.47	0.02	16.95	2.3	9
205545		6.64	0.012	0.10	0.40	3.4	<0.2	<10	70	0.06	0.02	0.41	0.02	17.05	2.2	7
205546		7.42	0.005	0.06	0.49	3.8	<0.2	<10	80	0.08	0.02	0.56	0.07	15.75	1.6	9
205547		7.10	0.001	0.03	0.57	3.6	<0.2	<10	80	0.09	0.02	0.62	0.05	15.75	1.0	5
205548		7.02	0.001	0.04	0.53	3.3	<0.2	<10	80	0.07	0.02	0.59	0.07	14.95	1.1	8
205549		7.08	0.001	0.04	0.46	2.6	<0.2	<10	70	0.08	0.02	0.67	0.04	15.80	1.0	5
205550		0.14	0.344	1.86	1.45	46.2	<0.2	<10	60	0.36	0.36	4.19	1.37	18.80	18.4	25
205551		7.22	0.002	0.03	0.52	2.8	<0.2	<10	80	0.10	0.02	0.62	0.02	16.40	1.1	8
205552		7.18	0.005	0.03	0.39	2.2	<0.2	<10	70	0.07	0.01	0.44	0.03	15.90	1.7	7
205553		7.26	0.001	0.04	0.56	2.9	<0.2	<10	110	0.11	0.02	0.90	0.04	15.60	0.9	6
205554		7.20	<0.001	0.01	0.62	3.1	<0.2	<10	120	0.12	0.02	1.14	0.05	16.00	0.8	8
205555		7.34	<0.001	0.02	0.63	3.2	<0.2	<10	160	0.13	0.03	0.96	0.03	16.45	0.9	4
205556		7.12	0.006	0.04	0.46	2.8	<0.2	<10	80	0.08	0.01	0.70	0.08	14.55	1.3	8
205557		7.36	<0.001	0.02	0.51	3.0	<0.2	<10	60	0.10	0.02	1.25	0.03	13.75	0.7	5
205558		7.08	<0.001	0.06	0.49	3.1	<0.2	<10	130	0.13	0.02	1.06	0.05	12.50	0.9	6
205559		7.08	0.014	0.10	0.59	5.3	<0.2	<10	180	0.11	0.01	0.68	0.21	15.85	1.1	4
205560		0.38	0.001	0.03	1.84	0.9	<0.2	<10	50	0.76	<0.01	2.06	0.04	27.8	28.9	24
205561		7.14	<0.001	0.01	0.63	3.5	<0.2	<10	130	0.12	0.01	1.05	0.04	13.90	1.2	4
205562		7.18	<0.001	0.01	0.65	3.3	<0.2	<10	40	0.11	0.04	1.34	0.03	12.70	1.6	7
205563		6.78	<0.001	0.03	0.52	3.6	<0.2	<10	50	0.11	0.01	1.49	0.04	13.40	1.0	4
205564		6.98	<0.001	0.01	0.45	3.6	<0.2	<10	50	0.13	0.01	1.39	0.02	13.00	0.8	7



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
205525		2.31	6.7	1.79	2.58	0.07	0.23	<0.01	0.021	0.08	8.6	4.6	0.19	706	0.31	0.09
205526		0.75	6.3	2.27	2.29	0.09	0.25	<0.01	<0.005	0.06	7.6	1.1	0.07	92	0.38	0.12
205527		0.61	17.4	2.09	2.49	0.09	0.21	<0.01	<0.005	0.05	7.8	1.2	0.07	110	0.50	0.09
205528		0.56	15.7	2.14	2.51	0.08	0.31	<0.01	<0.005	0.05	9.1	1.7	0.10	160	0.50	0.10
205529		0.55	20.5	2.08	2.57	0.09	0.25	<0.01	0.006	0.06	8.3	1.6	0.10	192	0.42	0.11
205530		2.18	1920	3.99	5.97	0.10	0.11	0.09	0.076	0.50	21.2	7.6	0.83	357	156.5	0.06
205531		1.43	4.2	0.41	1.72	0.08	0.21	<0.01	0.007	0.03	7.1	1.7	0.16	190	0.34	0.13
205532		1.51	30.9	0.29	1.51	0.06	0.25	0.01	0.008	0.03	6.4	2.4	0.10	147	0.92	0.13
205533		1.62	3.2	0.36	1.65	0.06	0.21	<0.01	0.007	0.03	7.3	3.5	0.15	303	0.42	0.14
205534		2.59	327	1.79	2.26	0.07	0.15	0.01	0.023	0.11	9.2	4.6	0.19	2800	1.35	0.08
205535		1.07	152.5	1.10	2.02	0.08	0.22	<0.01	0.007	0.04	8.1	2.1	0.13	199	6.85	0.12
205536		1.42	275	1.38	2.38	0.09	0.19	<0.01	0.008	0.04	7.7	2.7	0.14	251	0.54	0.13
205537		0.58	455	2.30	2.67	0.09	0.20	<0.01	0.010	0.07	7.7	1.7	0.11	176	0.78	0.13
205538		0.74	593	1.61	2.40	0.08	0.19	<0.01	0.015	0.05	7.7	1.7	0.10	142	12.75	0.13
205539		1.30	183.0	1.05	2.04	0.08	0.24	<0.01	0.008	0.03	7.6	2.2	0.13	297	0.55	0.15
205540		0.15	37.1	3.48	8.24	0.16	0.60	<0.01	0.036	0.49	14.3	3.8	2.97	577	2.60	0.85
205541		0.64	367	2.18	2.69	0.07	0.20	<0.01	0.011	0.06	7.7	2.0	0.13	196	1.41	0.12
205542		0.55	210	1.95	2.29	0.08	0.20	<0.01	0.006	0.06	7.8	1.4	0.10	120	0.74	0.12
205543		0.66	202	1.85	2.36	0.07	0.28	<0.01	0.008	0.07	7.6	2.1	0.12	166	0.62	0.11
205544		1.10	132.0	1.55	2.52	0.09	0.22	<0.01	0.008	0.06	8.4	2.4	0.11	134	1.16	0.12
205545		0.42	882	2.07	2.31	0.08	0.22	<0.01	0.010	0.06	8.4	1.2	0.09	89	9.75	0.13
205546		0.92	477	1.63	2.24	0.09	0.19	<0.01	0.011	0.05	7.9	1.3	0.08	100	3.00	0.12
205547		1.36	24.2	0.95	2.50	0.09	0.16	0.01	0.006	0.04	7.5	2.6	0.10	112	0.40	0.13
205548		0.91	34.1	1.15	2.04	0.07	0.18	<0.01	0.005	0.04	7.4	1.4	0.08	93	2.26	0.15
205549		0.82	35.1	1.03	1.84	0.07	0.18	<0.01	0.005	0.04	7.9	1.4	0.08	127	1.53	0.13
205550		1.13	3410	4.61	6.26	0.12	0.07	0.19	0.070	0.21	9.9	11.1	1.29	627	443	0.09
205551		0.83	23.5	1.08	2.03	0.07	0.18	<0.01	<0.005	0.05	8.0	1.5	0.09	116	0.60	0.15
205552		0.45	158.5	1.83	2.04	0.07	0.19	<0.01	0.005	0.06	7.9	0.9	0.08	79	0.59	0.13
205553		1.38	18.4	0.67	1.91	0.07	0.19	<0.01	0.005	0.03	7.2	3.1	0.12	163	0.60	0.15
205554		1.86	3.1	0.34	2.14	0.07	0.18	<0.01	0.006	0.03	7.3	5.7	0.20	201	0.33	0.16
205555		1.72	3.7	0.45	2.17	0.08	0.20	<0.01	0.008	0.03	7.8	4.0	0.17	197	0.26	0.16
205556		0.85	63.7	1.17	1.84	0.08	0.20	<0.01	0.006	0.04	6.7	2.0	0.12	152	0.55	0.14
205557		1.66	2.4	0.43	1.66	0.07	0.19	<0.01	0.007	0.03	6.0	3.9	0.18	275	0.22	0.14
205558		1.93	3.0	0.37	1.55	0.07	0.19	<0.01	0.013	0.03	5.3	3.8	0.20	236	0.23	0.13
205559		1.53	410	0.86	2.13	0.09	0.18	<0.01	0.014	0.04	7.2	1.8	0.11	121	26.2	0.14
205560		0.14	27.5	3.36	6.78	0.17	0.74	<0.01	0.028	0.48	12.3	3.5	2.88	541	2.66	0.75
205561		2.08	6.9	0.42	2.14	0.08	0.21	<0.01	0.007	0.03	6.2	5.4	0.24	212	0.32	0.15
205562		1.65	1.5	0.54	2.75	0.07	0.17	<0.01	0.009	0.05	5.4	10.4	0.45	235	0.25	0.11
205563		1.74	2.7	0.41	1.94	0.07	0.23	<0.01	0.006	0.03	5.7	8.0	0.33	304	0.53	0.11
205564		1.91	2.4	0.41	1.66	0.06	0.19	<0.01	<0.005	0.04	5.6	5.8	0.22	241	0.45	0.11



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		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205525		0.09	2.1	690	5.8	5.0	<0.001	<0.01	0.54	2.6	0.2	0.5	55.4	<0.01	<0.01	3.3
205526		0.19	1.5	670	1.3	2.1	<0.001	<0.01	0.20	0.9	<0.2	0.6	46.7	<0.01	<0.01	3.2
205527		0.17	1.4	640	1.3	1.8	0.001	<0.01	0.14	0.8	<0.2	0.6	39.2	<0.01	<0.01	3.5
205528		0.14	1.5	650	4.6	2.0	0.001	<0.01	0.15	1.1	<0.2	0.5	36.5	<0.01	<0.01	4.4
205529		0.11	1.5	640	3.1	2.4	<0.001	<0.01	0.21	1.5	<0.2	0.4	47.0	<0.01	<0.01	4.3
205530		0.13	18.6	720	23.4	27.3	0.041	1.85	6.44	7.0	3.1	1.8	74.2	<0.01	0.30	11.3
205531		0.13	0.8	550	2.9	1.5	<0.001	<0.01	0.65	1.5	<0.2	0.5	124.0	<0.01	<0.01	4.2
205532		0.13	0.9	560	4.5	1.5	0.003	0.01	0.54	1.3	<0.2	0.4	94.6	<0.01	<0.01	4.2
205533		0.07	1.0	710	1.6	2.1	<0.001	<0.01	0.45	1.7	<0.2	0.6	102.5	<0.01	<0.01	2.8
205534		0.05	2.3	670	8.0	6.2	0.003	0.04	1.00	2.5	0.3	0.6	62.6	<0.01	0.01	2.8
205535		0.10	1.3	660	2.1	1.7	0.018	0.02	0.53	1.5	0.2	0.6	80.3	<0.01	0.01	3.3
205536		0.11	1.4	660	2.3	1.9	0.001	0.03	0.54	1.5	<0.2	0.5	90.0	<0.01	0.01	3.1
205537		0.14	1.7	680	1.2	2.5	0.001	0.05	0.12	1.2	0.2	0.5	48.2	<0.01	0.01	3.0
205538		0.16	1.4	640	1.5	2.6	0.017	0.06	0.26	1.1	0.2	0.5	61.6	<0.01	0.02	3.3
205539		0.10	1.2	670	2.7	2.2	<0.001	0.02	0.27	1.9	0.2	0.5	135.0	<0.01	0.01	3.4
205540		2.56	112.5	1450	0.5	14.1	0.001	0.02	<0.05	8.0	0.3	0.9	108.5	0.05	<0.01	1.8
205541		0.12	2.7	650	2.6	2.6	0.001	0.04	0.13	1.3	0.2	0.4	50.9	<0.01	0.01	3.2
205542		0.13	1.7	620	1.3	2.2	0.001	0.02	0.15	1.1	0.3	0.4	47.6	<0.01	0.01	2.7
205543		0.16	1.7	550	1.7	3.8	0.001	0.02	0.22	1.2	<0.2	0.4	35.1	<0.01	0.01	6.0
205544		0.10	1.4	660	2.5	4.1	0.001	0.02	0.52	1.2	<0.2	0.5	62.7	<0.01	0.01	4.2
205545		0.11	1.6	660	1.4	2.1	0.021	0.09	0.19	1.0	0.4	0.5	52.4	<0.01	0.03	3.4
205546		0.13	1.4	680	3.8	2.1	0.002	0.05	0.52	1.1	0.3	0.5	84.0	0.01	0.02	3.1
205547		0.15	1.1	690	8.5	2.5	0.001	<0.01	0.52	1.4	<0.2	0.5	103.5	0.01	<0.01	2.9
205548		0.13	1.2	670	5.6	1.9	0.008	<0.01	0.61	1.0	0.2	0.5	106.5	<0.01	<0.01	3.1
205549		0.14	1.2	640	3.2	1.5	0.006	<0.01	0.47	1.1	0.2	0.5	100.5	<0.01	0.01	3.2
205550		0.07	22.3	1170	10.0	10.5	0.073	1.89	5.05	8.2	6.3	0.8	143.0	<0.01	0.20	1.4
205551		0.12	1.1	640	2.9	1.8	<0.001	<0.01	0.51	1.1	<0.2	0.5	104.5	<0.01	0.01	3.2
205552		0.12	1.4	660	1.9	1.8	0.001	0.02	0.22	0.9	0.2	0.5	57.2	<0.01	0.01	3.8
205553		0.09	1.2	670	3.0	1.8	0.001	<0.01	0.61	1.5	0.2	0.6	136.0	<0.01	0.01	3.6
205554		0.09	1.4	670	2.4	1.9	<0.001	<0.01	0.49	2.4	<0.2	0.5	141.5	<0.01	<0.01	3.0
205555		0.11	1.1	660	2.9	2.0	<0.001	<0.01	0.74	1.9	<0.2	0.7	160.5	<0.01	<0.01	3.6
205556		0.14	1.1	630	4.0	1.7	<0.001	0.01	0.29	1.3	0.3	0.6	75.5	<0.01	<0.01	2.6
205557		0.14	1.1	650	1.9	2.2	<0.001	<0.01	0.49	2.0	0.2	0.5	88.1	<0.01	<0.01	2.7
205558		0.11	1.2	640	2.1	2.3	<0.001	<0.01	0.30	2.9	0.2	0.5	87.5	<0.01	<0.01	2.7
205559		0.17	1.0	620	13.9	1.9	0.010	0.06	0.57	1.7	0.5	0.5	120.0	0.01	0.03	2.9
205560		2.11	115.5	1380	0.6	12.9	<0.001	0.07	<0.05	6.3	0.5	0.7	137.0	0.02	0.01	1.3
205561		0.16	2.0	660	2.6	2.0	<0.001	0.04	0.26	2.6	0.2	0.5	121.0	<0.01	<0.01	3.1
205562		0.09	2.7	630	2.0	3.2	<0.001	0.02	0.74	3.1	0.2	0.4	65.8	<0.01	<0.01	2.3
205563		0.12	1.4	650	1.7	2.4	<0.001	0.01	0.26	3.2	0.2	0.6	68.2	<0.01	<0.01	3.5
205564		0.11	1.4	630	1.9	3.1	<0.001	0.01	0.22	3.1	0.2	0.5	62.1	<0.01	<0.01	3.7



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Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10068720

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205525		0.042	0.03	0.86	51	<0.05	10.55	43	4.2
205526		0.085	<0.02	0.90	67	<0.05	7.13	5	5.0
205527		0.070	<0.02	0.85	63	<0.05	6.97	5	4.2
205528		0.072	<0.02	1.07	65	<0.05	7.21	14	5.2
205529		0.069	<0.02	0.91	64	<0.05	7.11	12	4.5
205530		0.034	0.34	4.58	58	2.84	11.95	65	4.2
205531		0.077	<0.02	1.27	23	<0.05	6.92	6	3.9
205532		0.076	<0.02	1.40	21	<0.05	6.39	7	4.1
205533		0.079	<0.02	0.91	26	<0.05	7.49	13	3.9
205534		0.030	0.05	1.77	47	<0.05	10.45	90	3.6
205535		0.078	<0.02	0.80	43	<0.05	7.90	9	4.0
205536		0.074	<0.02	1.28	48	<0.05	7.75	12	4.0
205537		0.075	<0.02	0.95	67	<0.05	7.19	7	4.0
205538		0.078	<0.02	1.05	52	<0.05	7.22	5	3.8
205539		0.077	<0.02	0.97	45	<0.05	8.39	7	5.6
205540		0.575	<0.02	0.55	102	0.16	10.05	50	37.9
205541		0.063	<0.02	0.90	64	<0.05	7.10	11	4.0
205542		0.073	<0.02	0.74	59	<0.05	6.65	7	4.0
205543		0.064	0.02	1.53	56	<0.05	6.36	9	5.0
205544		0.061	0.02	1.30	52	<0.05	7.05	8	3.8
205545		0.070	<0.02	0.84	62	<0.05	6.64	6	3.6
205546		0.072	<0.02	0.93	54	<0.05	6.95	6	3.3
205547		0.076	<0.02	0.97	39	<0.05	7.34	27	2.9
205548		0.078	<0.02	1.07	41	<0.05	6.61	5	3.3
205549		0.076	<0.02	1.01	40	<0.05	7.35	5	3.1
205550		0.005	0.11	0.56	89	4.02	14.45	62	2.5
205551		0.078	<0.02	0.97	38	<0.05	7.37	13	3.4
205552		0.075	<0.02	0.97	60	<0.05	6.62	4	3.4
205553		0.079	<0.02	1.06	32	<0.05	7.39	5	3.2
205554		0.079	<0.02	1.50	29	<0.05	8.06	32	3.1
205555		0.079	0.02	1.10	25	<0.05	8.20	23	3.5
205556		0.071	<0.02	1.03	42	<0.05	6.87	9	3.4
205557		0.072	0.02	1.18	25	<0.05	7.63	17	3.6
205558		0.069	0.02	1.25	29	<0.05	7.29	17	3.4
205559		0.071	<0.02	1.09	32	<0.05	6.69	8	3.2
205560		0.512	<0.02	0.38	89	0.14	8.19	42	45.0
205561		0.078	<0.02	1.07	29	<0.05	7.10	30	3.7
205562		0.053	0.02	1.63	29	<0.05	6.74	49	3.5
205563		0.069	<0.02	1.97	34	<0.05	7.67	23	3.5
205564		0.061	0.02	1.88	29	<0.05	7.13	15	3.5



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CERTIFICATE OF ANALYSIS VA10068720

Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
Sample Description	0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
205565	7.08	<0.001	0.02	0.55	5.4	<0.2	<10	100	0.15	0.01	1.39	0.03	14.45	0.9	5
205566	6.72	0.001	0.02	0.54	4.8	<0.2	<10	210	0.12	0.01	0.94	0.09	15.40	0.9	6
205567	7.24	0.001	0.02	0.49	4.0	<0.2	<10	220	0.11	0.01	1.51	0.04	13.85	1.5	8
205568	6.30	0.009	0.08	0.49	5.1	<0.2	<10	210	0.12	0.01	1.19	1.32	13.15	2.6	7
205569	5.82	0.005	0.04	0.46	3.3	<0.2	<10	90	0.13	0.01	1.70	0.06	14.30	1.5	8
205570	0.28	<0.001	0.03	1.95	0.4	<0.2	<10	50	0.85	<0.01	2.22	0.05	28.5	31.1	25



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CERTIFICATE OF ANALYSIS VA10068720

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
205565		2.38	2.6	0.38	1.92	0.07	0.23	<0.01	0.005	0.03	6.1	4.5	0.17	308	0.64	0.13
205566		1.80	26.3	0.46	1.68	0.08	0.22	<0.01	0.005	0.03	6.7	2.7	0.12	196	9.57	0.14
205567		0.90	45.5	0.61	1.83	0.09	0.24	<0.01	0.006	0.02	6.0	3.1	0.13	303	1.94	0.12
205568		1.53	277	1.02	2.33	0.08	0.21	<0.01	0.009	0.05	5.8	5.2	0.19	276	8.81	0.11
205569		2.12	125.5	0.78	1.98	0.07	0.19	0.01	0.008	0.06	6.3	5.8	0.19	462	1.49	0.10
205570		0.14	26.4	3.52	7.54	0.17	0.75	<0.01	0.030	0.46	12.7	4.1	2.98	574	2.16	0.82

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



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205565		0.14	1.3	710	2.1	2.5	<0.001	0.01	0.27	3.2	0.3	0.5	90.1	0.01	<0.01	4.5
205566		0.12	1.1	670	1.9	2.1	0.009	0.02	0.31	2.1	0.2	0.4	132.5	<0.01	<0.01	3.8
205567		0.23	1.4	680	1.1	1.5	0.004	0.03	0.25	3.0	0.3	0.5	130.5	<0.01	<0.01	3.1
205568		0.27	2.1	640	8.6	3.0	0.008	0.05	0.27	2.4	0.4	0.6	113.0	<0.01	0.01	3.2
205569		0.22	1.5	670	2.3	3.8	0.003	0.03	0.30	2.3	0.3	0.5	62.7	<0.01	<0.01	3.1
205570		2.60	119.0	1420	0.4	13.1	<0.001	0.04	<0.05	7.4	0.5	0.8	127.0	0.04	<0.01	1.3



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CERTIFICATE OF ANALYSIS VA10068720

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205565		0.068	0.02	1.70	31	<0.05	8.26	15	3.7
205566		0.065	<0.02	1.45	29	<0.05	7.55	2	3.6
205567		0.083	<0.02	2.01	37	0.06	8.67	3	4.5
205568		0.085	0.02	2.38	42	0.12	7.56	14	4.2
205569		0.069	0.03	1.94	35	0.10	7.93	13	3.9
205570		0.555	<0.02	0.43	94	0.13	8.81	44	48.2



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CERTIFICATE OF ANALYSIS VA10068720

Method	CERTIFICATE COMMENTS
ME-MS41 ME-MS41	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). Interference: Mo>400ppm on ICP-MS Cd,ICP-AES results shown.



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CERTIFICATE VA10068722

Project: Woodjam North
P.O. No.: WJN-2010-27
This report is for 93 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 27-MAY-2010.

The following have access to data associated with this certificate:

BLAIRD
JULIANNE MADSEN

NATE BREWER
ROSS SHERLOCK

JOHN HERTEL
TWILA SKINNER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS41	51 anal. aqua regia ICPMS	

To: GOLD FIELDS HORSEFLY EXPLORATION INC.
ATTN: JULIANNE MADSEN
1155 ROBSON STREET, SUITE 400
VANCOUVER BC V6E 1B5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
 1155 ROBSON STREET, SUITE 400
 VANCOUVER BC V6E 1B5

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 Plus Appendix Pages
 Finalized Date: 11-JUN-2010
 Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10068722

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
205571		13.62	0.011	1.32	0.41	3.3	<0.2	<10	60	0.08	0.06	0.60	0.26	10.80	3.4	7
205572		6.28	0.005	0.17	0.37	3.7	<0.2	<10	70	0.07	0.09	0.64	0.09	10.65	2.0	6
205573		7.24	0.009	0.06	0.42	6.4	<0.2	<10	60	0.09	0.60	0.57	0.05	11.25	2.5	7
205574		6.84	0.001	0.50	0.42	2.4	<0.2	<10	70	0.09	0.04	0.60	0.09	10.40	2.3	7
205575		7.40	<0.001	0.05	0.43	3.4	<0.2	<10	50	0.10	0.04	0.64	0.03	10.05	1.9	6
205576		7.02	0.001	0.08	0.55	5.0	<0.2	<10	40	0.10	0.18	0.71	0.02	10.45	1.9	6
205577		6.14	<0.001	0.03	0.43	3.3	<0.2	<10	50	0.09	0.03	0.57	0.05	10.70	1.7	7
205578		6.48	<0.001	0.08	0.63	4.2	<0.2	<10	50	0.13	0.06	1.44	0.04	12.10	1.8	6
205579		6.20	<0.001	0.04	0.83	5.0	<0.2	<10	30	0.17	0.21	3.92	0.09	12.20	1.6	7
205580		0.40	<0.001	0.03	2.03	0.7	<0.2	<10	50	0.82	0.02	2.22	0.13	30.6	28.0	26
205581		6.80	<0.001	0.03	0.77	5.1	<0.2	<10	50	0.16	0.04	1.46	0.03	10.25	1.9	5
205582		7.16	<0.001	0.10	0.77	6.8	<0.2	<10	80	0.20	0.08	1.16	0.02	11.25	1.6	5
205583		7.00	<0.001	0.02	0.57	5.2	<0.2	<10	60	0.12	0.03	0.67	0.02	10.75	2.0	6
205584		6.16	<0.001	0.06	0.42	3.2	<0.2	<10	70	0.09	0.02	0.51	0.02	11.45	2.1	13
205585		6.84	<0.001	0.03	0.42	4.8	<0.2	<10	70	0.08	0.06	0.45	0.02	10.70	1.9	7
205586		6.58	<0.001	0.05	0.46	3.9	<0.2	<10	100	0.08	0.01	0.49	0.03	10.40	1.5	7
205587		6.24	<0.001	0.08	0.64	6.5	<0.2	<10	100	0.13	0.02	0.66	0.08	10.20	1.2	6
205588		6.08	<0.001	0.05	0.48	4.1	<0.2	<10	80	0.10	0.04	0.52	0.11	10.80	1.5	6
205589		6.64	<0.001	0.02	0.61	4.4	<0.2	<10	70	0.14	0.03	0.78	0.02	10.60	1.2	5
205590		0.14	0.320	2.01	1.44	48.5	0.3	<10	70	0.43	0.30	4.23	1.51	19.60	15.8	24
205591		6.38	<0.001	0.01	0.70	5.3	<0.2	<10	70	0.17	0.04	0.92	0.02	9.66	0.9	5
205592		6.44	<0.001	0.01	0.72	5.7	<0.2	<10	140	0.17	0.06	1.15	0.01	12.35	1.3	4
205593		6.38	<0.001	0.02	0.62	6.2	<0.2	<10	80	0.19	0.06	0.96	0.04	10.35	1.5	4
205594		6.40	<0.001	0.04	0.70	7.4	<0.2	<10	80	0.20	0.04	1.01	0.09	10.80	1.6	7
205595		6.36	<0.001	0.03	0.61	6.9	<0.2	<10	40	0.16	0.05	0.72	0.07	10.80	1.7	5
205596		6.04	<0.001	0.03	0.76	8.7	<0.2	<10	90	0.19	0.04	0.88	0.06	9.67	1.6	4
205597		6.26	<0.001	0.03	0.53	5.2	<0.2	<10	120	0.15	0.02	0.67	0.06	10.70	2.3	5
205598		6.36	<0.001	0.01	0.41	2.8	<0.2	<10	60	0.08	0.03	0.57	0.04	10.85	2.7	6
205599		6.62	<0.001	0.02	0.39	2.9	<0.2	<10	70	0.08	0.01	0.60	0.02	10.90	1.9	6
205600		0.44	<0.001	0.01	1.97	0.7	<0.2	<10	40	0.82	0.01	2.23	0.04	27.4	28.1	25
205601		5.82	0.001	0.02	0.36	4.5	<0.2	<10	50	0.09	0.03	0.52	0.08	11.30	2.4	6
205602		6.30	<0.001	0.03	0.37	2.7	<0.2	<10	50	0.08	0.01	0.54	0.02	10.60	1.8	6
205603		6.56	<0.001	0.03	0.44	3.9	<0.2	<10	100	0.11	0.01	0.80	0.03	10.00	2.1	5
205604		5.88	<0.001	0.01	0.38	2.3	<0.2	<10	60	0.07	0.02	0.43	0.03	11.75	2.2	6
205605		6.04	<0.001	0.01	0.45	3.4	<0.2	<10	70	0.12	0.02	0.62	0.04	12.05	1.6	6
205606		6.84	<0.001	0.04	0.48	4.3	<0.2	<10	60	0.16	0.03	0.84	0.02	11.85	1.4	4
205607		6.12	<0.001	0.05	0.42	3.9	<0.2	<10	80	0.13	0.02	0.60	0.04	11.00	2.0	5
205608		6.46	<0.001	0.03	0.39	2.6	<0.2	<10	70	0.09	0.01	0.56	0.02	11.05	1.9	7
205609		6.18	<0.001	0.02	0.47	4.3	<0.2	<10	60	0.11	0.02	0.75	0.02	11.15	1.6	6
205610		0.16	1.245	1.98	2.32	10.0	0.6	<10	120	0.13	0.43	1.40	1.59	6.63	26.6	59



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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
 1155 ROBSON STREET, SUITE 400
 VANCOUVER BC V6E 1B5

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Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10068722

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
Units		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
LOR		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
205571		0.67	44.3	2.18	2.07	<0.05	0.26	<0.01	0.006	0.06	5.2	3.3	0.21	119	5.75	0.10
205572		0.87	41.2	2.01	2.03	<0.05	0.25	<0.01	<0.005	0.06	5.2	3.3	0.18	135	1.81	0.09
205573		0.66	33.8	2.16	2.31	<0.05	0.25	<0.01	0.007	0.06	5.6	3.5	0.22	201	1.78	0.10
205574		0.66	16.1	2.08	2.15	<0.05	0.25	<0.01	0.006	0.07	5.2	3.4	0.20	146	0.84	0.10
205575		0.86	5.5	1.86	1.96	<0.05	0.26	<0.01	0.005	0.06	5.1	5.2	0.26	164	2.13	0.09
205576		0.57	5.2	1.50	2.57	<0.05	0.33	<0.01	0.007	0.04	5.5	8.8	0.40	184	1.12	0.09
205577		0.42	3.8	1.76	1.94	<0.05	0.33	<0.01	<0.005	0.05	5.3	4.0	0.20	110	0.90	0.10
205578		0.84	3.0	1.41	2.57	<0.05	0.25	<0.01	0.019	0.05	5.4	9.6	0.41	244	0.75	0.09
205579		2.35	2.9	1.08	3.50	<0.05	0.10	<0.01	0.070	0.06	5.3	15.4	0.49	556	0.35	0.06
205580		0.17	20.6	3.63	6.68	0.12	0.64	<0.01	0.031	0.51	13.8	3.3	3.16	575	2.26	0.87
205581		0.89	1.3	0.70	2.94	<0.05	0.20	<0.01	0.016	0.04	4.9	11.6	0.52	278	0.35	0.10
205582		0.80	1.5	0.64	3.01	0.05	0.29	<0.01	0.010	0.03	5.3	11.6	0.38	190	0.40	0.11
205583		0.56	3.4	1.50	2.75	0.06	0.32	<0.01	0.006	0.05	4.9	7.9	0.34	130	0.50	0.11
205584		0.59	4.2	2.14	2.44	0.06	0.35	<0.01	<0.005	0.06	5.3	3.0	0.19	106	0.64	0.12
205585		0.48	3.8	2.14	2.30	0.05	0.32	<0.01	<0.005	0.06	5.0	3.0	0.17	96	0.62	0.12
205586		0.51	5.2	2.08	1.96	<0.05	0.30	<0.01	<0.005	0.06	4.8	2.6	0.19	94	4.85	0.13
205587		1.04	2.6	1.50	2.21	<0.05	0.29	<0.01	<0.005	0.04	5.1	5.1	0.30	107	1.14	0.12
205588		0.56	11.4	1.81	2.01	<0.05	0.32	<0.01	<0.005	0.05	5.3	3.1	0.23	101	1.40	0.12
205589		0.81	3.0	1.13	2.18	<0.05	0.32	<0.01	<0.005	0.04	5.4	3.9	0.27	108	0.71	0.12
205590		1.17	3390	4.66	5.34	0.05	0.10	0.19	0.072	0.21	10.1	10.3	1.31	627	433	0.10
205591		0.91	2.9	0.51	2.33	<0.05	0.29	<0.01	0.006	0.03	4.7	4.6	0.33	113	0.81	0.12
205592		0.99	2.4	0.50	2.80	0.08	0.30	0.01	0.016	0.02	6.0	7.5	0.33	157	0.47	0.10
205593		1.07	6.2	0.49	2.77	0.07	0.31	<0.01	0.008	0.02	5.1	7.6	0.26	134	1.00	0.10
205594		1.04	6.2	0.52	3.25	0.08	0.32	<0.01	0.009	0.03	5.4	11.0	0.36	154	0.87	0.10
205595		0.79	7.7	0.97	3.00	0.08	0.30	<0.01	0.007	0.03	5.3	9.0	0.35	124	2.15	0.10
205596		0.98	6.3	0.87	3.33	0.09	0.28	<0.01	0.007	0.03	4.7	9.4	0.36	120	6.61	0.11
205597		0.64	19.7	1.50	2.96	0.08	0.35	<0.01	0.006	0.05	5.3	6.2	0.26	117	5.84	0.11
205598		0.24	28.6	2.22	2.93	0.08	0.33	<0.01	<0.005	0.06	5.4	3.4	0.18	108	1.61	0.11
205599		0.28	12.5	2.10	2.23	0.08	0.35	<0.01	0.005	0.06	5.3	2.7	0.15	96	11.60	0.10
205600		0.15	24.0	3.55	7.33	0.15	0.67	<0.01	0.032	0.47	12.0	3.3	2.88	570	2.11	0.82
205601		0.22	117.5	2.05	2.36	0.07	0.38	<0.01	<0.005	0.06	5.8	1.8	0.12	101	2.66	0.09
205602		0.42	5.3	1.92	1.88	0.07	0.33	<0.01	<0.005	0.06	5.4	2.1	0.13	93	0.57	0.10
205603		0.49	44.2	1.71	2.32	0.07	0.32	<0.01	0.006	0.05	5.4	4.1	0.21	148	0.82	0.09
205604		0.26	7.4	2.03	2.35	0.08	0.32	<0.01	<0.005	0.06	5.7	3.8	0.20	90	0.97	0.10
205605		0.52	6.1	1.69	1.94	0.07	0.31	<0.01	0.005	0.05	5.9	3.6	0.20	104	0.61	0.11
205606		1.35	5.7	1.08	2.09	0.07	0.29	<0.01	0.007	0.04	5.6	4.6	0.26	136	0.56	0.11
205607		0.56	8.6	1.70	2.37	0.08	0.34	<0.01	0.006	0.05	5.9	4.5	0.22	129	0.83	0.10
205608		0.30	9.2	1.76	2.08	0.07	0.28	<0.01	<0.005	0.07	5.6	3.4	0.17	110	0.81	0.10
205609		0.45	6.0	0.73	1.90	0.06	0.32	0.01	0.006	0.05	5.7	6.0	0.27	168	1.13	0.10
205610		0.92	5370	4.82	6.81	0.14	0.14	0.12	0.175	0.24	3.0	9.2	1.36	403	234	0.15



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CERTIFICATE OF ANALYSIS VA10068722

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205571		0.29	1.7	590	4.9	2.2	0.001	0.01	0.42	1.4	0.3	0.4	30.9	<0.01	0.02	2.1
205572		0.33	1.2	560	5.4	2.3	<0.001	0.01	0.27	1.3	0.2	0.4	29.0	<0.01	<0.01	2.2
205573		0.31	1.3	600	2.6	2.5	0.001	0.02	0.32	1.6	0.2	0.5	32.3	<0.01	<0.01	3.1
205574		0.25	1.4	580	3.9	2.4	<0.001	<0.01	0.28	1.5	0.3	0.4	35.3	<0.01	0.01	2.5
205575		0.26	1.3	560	3.2	2.3	0.003	<0.01	0.36	1.8	0.2	0.4	33.3	<0.01	<0.01	3.3
205576		0.23	1.3	550	2.9	1.8	0.002	0.01	0.64	2.0	0.2	0.5	42.9	<0.01	<0.01	3.6
205577		0.29	1.4	570	2.2	1.9	0.001	<0.01	0.35	1.3	0.2	0.4	39.5	<0.01	<0.01	3.5
205578		0.19	2.2	570	4.0	2.3	0.002	0.01	0.71	2.9	0.3	0.6	54.4	<0.01	<0.01	3.2
205579		0.05	3.6	520	11.0	5.1	<0.001	0.01	1.26	4.8	0.3	0.7	71.5	<0.01	<0.01	2.1
205580		1.71	125.5	1390	0.9	13.3	<0.001	0.03	0.07	6.9	0.7	0.9	134.0	0.02	0.01	1.3
205581		0.16	3.0	580	4.6	2.2	<0.001	<0.01	0.85	3.6	0.2	0.4	71.1	<0.01	<0.01	2.5
205582		0.19	1.2	610	3.3	1.5	<0.001	<0.01	0.93	2.8	0.2	0.5	79.9	0.01	0.01	1.7
205583		0.22	1.6	610	2.3	1.5	<0.001	<0.01	0.62	1.8	0.2	0.6	51.2	<0.01	<0.01	2.0
205584		0.30	1.4	640	1.8	1.7	<0.001	<0.01	0.21	1.4	<0.2	0.4	39.0	<0.01	<0.01	2.3
205585		0.30	1.1	660	1.6	1.8	<0.001	<0.01	0.20	1.1	<0.2	0.4	54.5	<0.01	<0.01	1.8
205586		0.32	1.5	650	2.2	2.1	0.015	<0.01	0.18	1.1	0.3	0.5	61.0	<0.01	<0.01	1.6
205587		0.24	1.5	650	2.4	1.8	0.003	<0.01	0.62	1.5	0.2	0.5	82.6	<0.01	<0.01	1.6
205588		0.28	2.3	650	4.2	1.7	0.002	<0.01	0.37	1.3	0.3	0.5	52.1	<0.01	0.01	1.9
205589		0.23	1.4	630	1.9	1.6	0.001	<0.01	0.81	1.5	0.2	0.6	73.2	<0.01	<0.01	1.8
205590		0.08	22.0	1170	9.4	10.5	0.069	1.93	6.39	8.8	8.2	0.9	149.0	<0.01	0.23	1.1
205591		0.19	1.1	630	2.3	1.6	<0.001	<0.01	1.03	1.9	0.2	0.6	93.4	<0.01	<0.01	1.7
205592		0.21	1.2	560	3.1	1.6	<0.001	<0.01	0.94	2.4	0.2	0.5	112.0	<0.01	<0.01	2.5
205593		0.21	2.2	570	4.8	1.8	0.001	<0.01	1.00	2.0	0.2	0.7	89.3	<0.01	0.01	2.3
205594		0.23	1.5	560	4.8	1.9	0.001	<0.01	1.01	2.3	0.2	0.7	96.8	<0.01	<0.01	2.7
205595		0.31	1.3	550	5.9	1.7	0.001	<0.01	0.90	2.0	0.2	0.6	70.7	<0.01	<0.01	3.1
205596		0.22	1.4	570	10.3	1.9	0.002	<0.01	0.99	2.2	0.2	0.7	96.5	<0.01	<0.01	2.3
205597		0.33	1.4	550	10.6	2.3	0.002	<0.01	0.54	1.9	0.3	0.7	84.3	<0.01	0.01	3.3
205598		0.41	1.4	580	2.2	2.4	<0.001	<0.01	0.11	1.8	0.2	0.6	44.1	<0.01	<0.01	2.5
205599		0.38	1.5	580	6.3	2.3	0.008	<0.01	0.17	1.7	0.3	0.8	46.5	<0.01	0.01	2.5
205600		2.61	111.0	1370	0.4	13.6	<0.001	0.02	0.05	7.1	0.3	0.8	113.5	0.04	0.01	1.3
205601		0.31	1.3	590	1.9	2.1	0.001	0.01	0.19	1.2	0.4	0.8	32.0	<0.01	0.01	3.3
205602		0.35	1.4	580	2.1	1.9	<0.001	<0.01	0.26	1.3	<0.2	0.6	35.9	<0.01	<0.01	2.3
205603		0.26	1.5	590	2.7	1.8	<0.001	0.01	0.33	1.5	0.2	0.8	45.7	<0.01	<0.01	3.7
205604		0.43	1.2	570	2.0	2.2	0.001	0.01	0.11	1.3	0.2	0.6	32.7	<0.01	<0.01	3.1
205605		0.43	1.4	620	3.1	1.8	<0.001	0.01	0.46	1.4	<0.2	0.7	51.8	<0.01	<0.01	2.7
205606		0.28	1.3	630	3.5	2.0	<0.001	<0.01	0.66	1.8	0.2	0.8	63.9	<0.01	<0.01	3.2
205607		0.37	1.2	580	4.1	2.0	<0.001	<0.01	0.37	1.5	<0.2	0.8	46.8	<0.01	0.01	4.8
205608		0.42	1.2	590	3.3	2.3	<0.001	<0.01	0.30	1.3	<0.2	0.8	38.8	<0.01	0.01	3.0
205609		0.36	1.1	620	3.7	2.1	0.001	0.01	0.51	1.8	<0.2	0.7	44.1	<0.01	0.07	4.1
205610		0.26	40.0	680	22.3	9.9	0.377	2.25	8.08	6.3	4.0	2.4	41.3	0.01	0.29	0.7



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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
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 VANCOUVER BC V6E 1B5

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Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10068722

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205571		0.078	0.04	1.40	61	0.09	5.13	18	4.5
205572		0.073	<0.02	1.48	57	0.12	5.22	12	4.3
205573		0.077	<0.02	1.67	61	0.13	5.25	12	4.2
205574		0.075	0.02	1.48	59	0.12	5.00	11	4.4
205575		0.073	<0.02	2.00	52	0.14	4.90	20	4.1
205576		0.079	<0.02	1.69	43	0.08	4.93	80	5.6
205577		0.077	<0.02	1.79	50	0.07	5.07	16	5.8
205578		0.056	0.02	2.06	48	0.13	6.38	70	4.2
205579		0.012	0.05	1.43	54	0.30	6.92	84	2.3
205580		0.557	<0.02	0.45	95	0.17	8.21	49	42.2
205581		0.052	0.02	1.55	26	0.06	5.60	64	3.9
205582		0.069	<0.02	1.65	20	0.05	5.37	62	4.0
205583		0.079	<0.02	1.65	45	0.09	4.76	31	5.1
205584		0.083	<0.02	1.68	61	0.10	4.84	6	5.2
205585		0.087	<0.02	1.64	63	0.11	4.69	6	4.5
205586		0.088	<0.02	1.58	62	0.11	4.76	11	4.9
205587		0.078	<0.02	1.61	41	0.08	4.69	54	4.6
205588		0.085	<0.02	1.61	53	0.07	4.82	18	5.1
205589		0.081	<0.02	1.52	36	0.05	4.98	11	4.9
205590		0.009	0.11	0.46	86	4.61	14.30	62	2.9
205591		0.076	<0.02	1.65	17	<0.05	4.95	9	4.8
205592		0.064	<0.02	2.13	16	0.05	5.98	33	5.1
205593		0.069	<0.02	2.00	15	0.06	5.84	36	6.1
205594		0.075	<0.02	2.14	16	0.05	6.08	52	6.0
205595		0.077	<0.02	2.01	29	0.07	5.95	16	5.4
205596		0.074	<0.02	1.94	26	0.08	5.76	20	5.0
205597		0.080	<0.02	2.19	43	0.08	6.12	10	5.9
205598		0.085	<0.02	1.89	63	0.07	6.14	7	5.5
205599		0.085	<0.02	1.99	60	0.07	6.46	25	5.6
205600		0.560	<0.02	0.43	96	0.16	7.89	48	36.8
205601		0.072	<0.02	2.05	59	0.10	5.29	10	6.0
205602		0.078	<0.02	1.65	56	0.07	5.15	18	5.1
205603		0.076	<0.02	2.28	52	0.08	4.82	33	5.1
205604		0.085	<0.02	1.85	60	0.09	5.91	5	4.5
205605		0.089	<0.02	1.81	51	0.08	5.81	6	4.8
205606		0.082	<0.02	1.98	37	0.06	6.20	19	4.9
205607		0.083	<0.02	2.48	52	0.08	5.25	63	5.0
205608		0.090	<0.02	2.08	55	0.09	5.83	16	4.5
205609		0.089	<0.02	2.34	23	0.10	6.09	20	4.9
205610		0.176	0.41	0.37	85	16.05	7.61	206	3.8



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CERTIFICATE OF ANALYSIS VA10068722

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
205611		5.96	<0.001	0.03	1.00	6.7	<0.2	<10	30	0.25	0.11	1.88	0.02	11.60	2.1	4
205612		6.00	<0.001	0.05	0.95	5.0	<0.2	<10	30	0.21	0.07	1.49	0.03	12.20	3.3	4
205613		5.72	<0.001	0.03	0.68	5.0	<0.2	<10	40	0.16	0.04	1.08	0.01	10.75	2.0	5
205614		6.36	<0.001	0.05	0.65	6.8	<0.2	<10	30	0.21	0.10	1.35	0.02	9.81	1.6	4
205615		6.28	<0.001	0.09	0.53	6.4	<0.2	<10	70	0.22	0.03	1.09	0.02	9.87	1.5	3
205616		4.40	<0.001	0.08	0.43	5.0	<0.2	<10	50	0.13	0.03	0.95	0.02	10.75	1.8	4
205617		6.24	<0.001	0.13	0.56	7.0	<0.2	<10	120	0.17	0.03	1.19	0.01	10.80	1.5	3
205618		6.26	<0.001	0.21	0.72	6.7	<0.2	<10	80	0.19	0.05	1.43	0.03	12.60	2.1	3
205619		8.36	<0.001	0.14	1.54	9.7	<0.2	<10	300	0.47	0.18	3.61	0.06	22.5	2.9	2
205620		0.44	<0.001	0.01	2.02	0.5	<0.2	<10	50	0.76	0.01	2.21	0.04	28.7	27.3	23
205621		7.98	<0.001	0.08	1.70	9.9	<0.2	<10	370	0.38	0.23	4.02	0.11	24.5	3.4	3
205622		7.96	<0.001	0.14	1.01	7.7	<0.2	<10	40	0.25	0.10	2.25	0.06	17.25	3.1	3
205623		7.10	<0.001	0.04	1.28	6.8	<0.2	<10	510	0.41	0.15	2.33	0.05	18.15	2.8	3
205624		6.10	<0.001	0.05	0.73	6.0	<0.2	<10	40	0.16	0.06	1.47	0.02	14.55	2.0	4
205625		6.62	<0.001	0.03	0.47	5.0	<0.2	<10	80	0.16	0.03	0.82	0.02	10.50	1.8	5
205626		6.70	<0.001	0.04	0.56	5.0	<0.2	<10	140	0.18	0.04	0.91	0.02	11.80	2.0	4
205627		6.50	<0.001	0.17	0.52	4.5	<0.2	<10	110	0.14	0.03	0.92	0.02	11.95	2.0	6
205628		6.40	<0.001	0.07	0.69	4.4	<0.2	<10	60	0.20	0.07	1.38	0.02	12.50	3.5	5
205629		7.12	0.002	0.09	0.53	2.6	<0.2	<10	130	0.19	0.07	4.56	0.09	22.5	3.8	3
205630		0.16	0.248	1.98	1.53	25.9	0.2	<10	120	0.44	2.40	1.81	1.02	38.1	16.8	63
205631		6.58	<0.001	0.05	0.49	2.8	<0.2	<10	130	0.12	0.02	1.20	0.06	12.25	3.5	6
205632		6.52	<0.001	0.03	0.41	3.1	<0.2	<10	60	0.12	0.01	0.65	0.16	10.55	2.5	5
205633		7.06	<0.001	0.11	0.70	3.0	<0.2	<10	60	0.20	0.01	1.72	0.04	12.40	4.8	4
205634		6.36	<0.001	0.03	0.46	1.9	<0.2	<10	50	0.11	0.01	0.71	0.03	11.35	4.2	6
205635		6.38	<0.001	0.08	0.44	2.3	<0.2	<10	50	0.11	0.01	0.88	0.05	11.85	4.1	6
205636		6.32	<0.001	0.06	0.59	2.6	<0.2	<10	100	0.16	0.02	1.40	0.05	13.25	4.1	7
205637		7.20	0.001	0.83	0.75	17.2	<0.2	<10	90	0.18	0.05	2.21	0.70	17.00	5.3	5
205638		7.04	<0.001	0.13	1.08	6.6	<0.2	<10	700	0.35	0.02	5.88	0.14	25.8	4.9	3
205639		6.56	<0.001	0.06	0.59	3.3	<0.2	<10	150	0.14	0.02	1.81	0.08	13.95	4.1	5
205640		0.26	<0.001	0.02	2.27	0.9	<0.2	<10	50	0.92	<0.01	2.49	0.07	35.0	30.2	25
205641		6.88	<0.001	0.11	0.79	4.5	<0.2	<10	140	0.26	0.02	2.73	0.12	16.40	5.0	4
205642		6.82	0.005	0.25	0.61	6.3	<0.2	<10	240	0.16	0.04	1.84	0.16	14.30	4.2	5
205643		6.60	0.002	0.09	0.60	3.7	<0.2	<10	120	0.12	0.03	0.87	0.05	13.35	4.5	7
205644		6.82	<0.001	0.14	0.58	3.0	<0.2	<10	80	0.15	0.03	1.51	0.10	13.70	3.7	5
205645		6.50	<0.001	0.13	0.55	2.6	<0.2	<10	150	0.13	0.02	0.81	0.04	12.95	3.5	7
205646		6.60	0.007	0.10	0.64	3.2	<0.2	<10	150	0.15	0.03	0.98	0.05	14.35	4.1	7
205647		6.46	0.001	0.07	0.59	2.6	<0.2	<10	150	0.13	0.02	1.37	0.07	11.65	3.5	6
205648		6.78	0.007	0.26	0.69	4.3	<0.2	<10	80	0.15	0.03	1.50	0.19	13.30	3.9	5
205649		6.32	0.007	0.86	0.68	13.5	<0.2	<10	80	0.18	0.06	2.92	0.16	15.60	2.4	4
205650		0.16	0.296	1.97	1.53	52.1	0.3	<10	50	0.39	0.35	4.48	1.36	18.60	18.2	26



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CERTIFICATE OF ANALYSIS VA10068722

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
205611		1.41	5.8	0.86	4.84	0.07	0.19	0.01	0.046	0.04	5.8	22.6	0.77	409	0.61	0.08
205612		1.16	3.4	0.95	4.43	0.06	0.20	<0.01	0.021	0.05	6.1	20.2	0.85	405	0.38	0.08
205613		0.81	3.7	0.78	2.93	0.05	0.27	<0.01	0.014	0.04	5.3	9.5	0.48	241	0.43	0.09
205614		0.97	3.2	0.65	3.14	0.06	0.20	<0.01	0.021	0.04	5.0	10.4	0.37	214	0.78	0.08
205615		0.82	4.9	0.47	2.35	0.06	0.25	<0.01	0.009	0.03	5.0	7.7	0.30	188	0.73	0.09
205616		0.66	7.5	1.28	2.27	0.07	0.32	<0.01	0.006	0.05	5.6	4.1	0.18	160	0.63	0.09
205617		0.88	6.3	0.56	2.46	0.06	0.27	<0.01	0.008	0.03	5.6	8.1	0.33	225	0.47	0.10
205618		1.08	4.5	0.59	3.40	0.06	0.23	<0.01	0.019	0.03	6.4	17.5	0.56	299	1.01	0.09
205619		5.09	1.0	1.09	6.43	0.05	0.06	<0.01	0.061	0.09	11.1	35.0	0.84	643	0.41	0.09
205620		0.14	24.5	3.32	7.22	0.13	0.57	<0.01	0.031	0.39	12.9	3.5	2.91	571	2.12	0.91
205621		4.53	2.5	1.43	7.38	0.05	0.06	<0.01	0.084	0.10	12.3	35.4	1.06	830	0.20	0.08
205622		2.47	2.5	0.85	4.18	<0.05	0.08	<0.01	0.031	0.06	7.9	19.7	0.64	482	0.28	0.09
205623		3.33	1.8	0.93	5.28	<0.05	0.06	<0.01	0.040	0.08	8.6	27.5	0.80	524	0.87	0.10
205624		0.90	2.8	0.60	3.27	0.05	0.19	<0.01	0.026	0.03	7.3	12.7	0.46	317	0.24	0.09
205625		0.77	4.1	1.10	2.38	0.07	0.25	<0.01	0.006	0.04	5.6	5.8	0.25	174	0.46	0.09
205626		1.03	3.1	1.02	2.65	0.08	0.27	<0.01	0.008	0.03	5.8	7.4	0.31	182	0.45	0.10
205627		0.87	3.1	1.52	2.53	0.09	0.28	<0.01	0.007	0.05	5.7	6.2	0.25	193	0.63	0.10
205628		1.06	2.1	1.09	3.34	0.05	0.19	<0.01	0.014	0.05	5.8	12.2	0.48	345	0.34	0.09
205629		0.90	19.0	1.74	2.82	0.05	0.17	<0.01	0.012	0.05	11.6	5.4	0.32	1220	3.28	0.08
205630		2.02	1925	4.03	5.06	0.10	0.14	0.09	0.071	0.49	20.7	7.0	0.82	365	154.0	0.06
205631		0.45	10.8	2.29	2.77	0.07	0.25	<0.01	0.009	0.05	5.9	4.3	0.21	258	12.85	0.09
205632		0.51	15.1	2.11	2.97	0.12	0.24	<0.01	0.005	0.06	5.1	8.0	0.18	141	2.84	0.10
205633		1.32	11.3	2.18	4.34	0.08	0.12	<0.01	0.011	0.09	6.1	16.4	0.30	527	5.06	0.08
205634		0.58	12.8	2.24	4.01	0.11	0.25	<0.01	0.007	0.07	5.5	9.4	0.23	196	2.68	0.10
205635		0.58	10.9	2.21	3.83	0.11	0.24	<0.01	0.008	0.07	5.8	8.9	0.20	236	1.74	0.09
205636		1.58	11.6	2.37	3.07	0.07	0.20	<0.01	0.010	0.09	7.1	7.6	0.29	471	1.15	0.08
205637		1.85	89.1	2.12	3.69	0.08	0.16	0.01	0.012	0.08	8.9	9.8	0.44	678	1.45	0.08
205638		2.73	15.2	1.87	2.89	0.07	0.08	<0.01	0.012	0.09	12.3	8.2	0.73	1970	5.36	0.13
205639		1.64	15.2	2.25	3.01	0.07	0.20	<0.01	0.010	0.08	7.7	6.6	0.24	605	6.80	0.09
205640		0.18	27.7	3.61	7.96	0.20	0.50	<0.01	0.040	0.54	15.4	3.9	3.15	616	2.27	0.93
205641		3.17	15.6	2.14	3.27	0.06	0.10	<0.01	0.014	0.12	8.3	10.8	0.29	1220	16.35	0.07
205642		2.11	55.7	2.21	2.96	0.06	0.17	<0.01	0.013	0.10	7.8	8.7	0.29	751	18.60	0.08
205643		0.63	61.6	2.50	3.42	0.09	0.30	<0.01	0.011	0.07	7.3	9.0	0.38	347	7.16	0.11
205644		2.09	45.9	2.11	2.91	0.07	0.19	<0.01	0.013	0.09	7.2	9.4	0.32	608	41.3	0.08
205645		1.12	46.3	2.16	3.09	0.07	0.23	<0.01	0.010	0.08	6.8	7.7	0.35	237	12.40	0.11
205646		0.99	59.6	2.41	3.39	0.08	0.29	0.01	0.014	0.10	7.6	8.8	0.37	370	8.08	0.13
205647		1.32	55.9	2.04	2.92	0.07	0.25	<0.01	0.015	0.09	6.8	7.7	0.26	477	5.15	0.11
205648		1.56	198.0	1.61	3.20	0.06	0.22	0.01	0.017	0.10	7.2	8.0	0.27	437	9.11	0.10
205649		1.62	145.0	0.74	2.12	0.05	0.17	0.02	0.018	0.08	8.3	6.3	0.20	906	3.49	0.10
205650		1.21	3550	4.88	5.66	0.11	0.09	0.19	0.075	0.22	10.8	12.0	1.36	659	456	0.08



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Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
Units		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOR		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205611		0.09	2.7	500	2.9	3.2	0.001	0.01	1.32	3.6	0.2	0.5	76.6	<0.01	0.02	2.7
205612		0.09	1.8	560	3.8	3.2	0.001	0.01	1.05	4.2	<0.2	0.5	60.9	<0.01	<0.01	3.2
205613		0.14	1.7	570	3.5	2.3	<0.001	0.01	0.68	3.4	<0.2	0.6	65.2	<0.01	<0.01	3.3
205614		0.16	1.4	540	4.8	2.7	0.001	<0.01	1.50	2.7	<0.2	0.5	72.1	<0.01	0.01	3.0
205615		0.23	1.1	590	6.1	2.0	0.001	<0.01	0.97	1.9	<0.2	0.7	68.6	<0.01	<0.01	2.5
205616		0.33	1.2	550	6.5	2.1	0.001	<0.01	0.85	1.7	<0.2	0.8	49.4	<0.01	<0.01	4.2
205617		0.23	1.3	590	5.2	2.0	<0.001	0.01	0.75	2.5	<0.2	0.9	82.5	<0.01	<0.01	3.7
205618		0.18	1.6	550	6.6	2.4	0.001	0.01	1.19	4.1	0.2	0.6	82.8	<0.01	<0.01	3.7
205619		<0.05	2.3	570	9.7	7.8	<0.001	0.02	1.26	3.6	0.2	0.4	117.5	<0.01	0.01	4.7
205620		2.71	108.5	1400	0.5	10.4	<0.001	0.02	0.05	6.8	0.3	0.8	137.0	0.05	<0.01	1.4
205621		<0.05	3.3	760	10.6	8.3	<0.001	0.01	1.63	3.9	0.3	0.4	92.9	<0.01	<0.01	3.7
205622		<0.05	2.3	660	7.7	4.8	<0.001	0.01	1.12	4.5	0.2	0.4	88.0	<0.01	<0.01	2.3
205623		<0.05	2.1	580	7.0	6.5	<0.001	0.04	0.93	3.7	0.2	0.4	96.0	<0.01	<0.01	3.1
205624		0.13	1.9	490	3.4	2.1	<0.001	0.02	1.08	2.8	<0.2	0.5	73.2	<0.01	<0.01	3.9
205625		0.31	1.1	530	4.3	1.9	<0.001	0.01	0.92	1.7	<0.2	0.5	55.1	<0.01	<0.01	3.7
205626		0.33	1.3	590	5.0	2.0	<0.001	0.02	1.10	2.3	<0.2	0.5	71.1	<0.01	<0.01	2.8
205627		0.35	1.5	600	4.8	2.4	<0.001	0.02	0.98	2.4	<0.2	0.4	64.4	<0.01	<0.01	2.7
205628		0.13	1.9	630	4.7	3.4	<0.001	0.02	0.91	2.9	<0.2	0.4	60.5	<0.01	<0.01	2.5
205629		0.08	1.6	530	10.0	3.3	0.001	0.02	0.60	2.7	0.3	0.4	104.0	<0.01	0.01	2.5
205630		0.13	16.0	710	21.7	36.5	0.038	1.89	6.62	5.9	3.2	1.9	70.5	<0.01	0.32	10.7
205631		0.19	1.7	630	7.9	2.0	0.005	0.01	0.27	2.9	0.2	0.4	78.3	<0.01	0.01	2.3
205632		0.46	2.0	610	5.9	2.3	0.001	0.01	0.33	2.2	0.2	0.7	48.9	<0.01	<0.01	2.0
205633		0.13	1.2	610	4.6	5.6	0.006	0.01	0.32	3.5	0.2	0.4	70.2	<0.01	<0.01	2.6
205634		0.39	1.9	580	2.4	2.9	0.003	0.01	0.15	2.7	0.2	0.5	40.1	<0.01	<0.01	2.7
205635		0.42	1.5	580	2.5	2.9	0.003	0.01	0.21	2.8	0.2	0.5	44.9	<0.01	<0.01	2.7
205636		0.17	1.9	670	4.4	5.4	0.001	<0.01	0.33	2.8	0.3	0.6	48.6	<0.01	0.01	2.5
205637		0.09	2.3	660	270	5.6	0.002	0.02	5.94	3.7	0.3	0.5	72.3	<0.01	0.03	2.6
205638		<0.05	1.3	600	9.3	7.2	0.005	<0.01	0.38	3.2	0.5	0.3	37.1	0.01	0.01	2.2
205639		0.16	1.9	660	5.2	5.5	0.004	<0.01	0.36	3.2	0.3	0.5	79.7	<0.01	0.01	2.1
205640		1.19	123.0	1630	0.8	16.7	0.001	0.02	<0.05	7.8	0.6	1.0	118.5	0.02	<0.01	1.6
205641		0.08	2.1	650	10.0	8.8	0.006	0.01	0.58	3.6	0.3	0.4	94.8	<0.01	0.01	2.2
205642		0.13	2.1	650	7.3	6.6	0.009	0.01	0.73	3.2	0.3	0.5	58.7	<0.01	0.02	2.9
205643		0.24	2.0	680	3.9	3.6	0.002	<0.01	0.36	2.8	0.3	0.6	59.6	<0.01	0.01	2.9
205644		0.19	1.8	630	6.1	5.7	0.029	<0.01	0.69	2.8	0.4	0.5	52.0	<0.01	0.01	2.4
205645		0.21	1.9	640	4.6	4.0	0.007	<0.01	0.19	2.4	0.3	0.4	42.7	<0.01	0.01	2.5
205646		0.21	2.1	640	5.0	4.9	0.005	<0.01	0.29	2.9	0.3	0.5	46.1	<0.01	0.01	4.1
205647		0.18	1.9	640	5.8	5.3	0.004	<0.01	0.35	3.4	0.3	0.5	59.5	<0.01	0.01	2.2
205648		0.11	2.3	640	11.1	9.9	0.010	0.04	1.25	3.9	0.3	0.5	74.8	<0.01	0.02	2.6
205649		0.07	1.4	730	11.3	5.9	0.013	0.03	2.64	4.6	0.4	0.5	97.3	<0.01	0.02	3.1
205650		0.06	22.3	1240	9.1	12.9	0.065	2.04	4.49	8.5	7.1	0.9	150.0	<0.01	0.24	1.3



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205611		0.042	0.03	1.76	37	0.12	5.88	289	3.0
205612		0.040	0.03	1.49	28	0.10	6.71	161	3.1
205613		0.052	0.02	1.86	25	0.08	6.16	49	3.8
205614		0.055	0.03	1.65	22	0.12	5.14	119	3.6
205615		0.071	0.03	1.65	18	0.05	5.10	105	4.0
205616		0.079	0.02	2.26	41	0.07	5.16	35	4.9
205617		0.071	0.02	2.05	22	0.06	5.50	142	4.1
205618		0.052	0.02	1.98	22	<0.05	6.54	320	3.6
205619		<0.005	0.04	1.96	42	0.11	12.55	251	1.2
205620		0.558	<0.02	0.46	95	0.16	8.42	50	35.0
205621		<0.005	0.05	1.78	59	0.15	12.50	205	1.5
205622		0.006	0.04	1.66	30	0.12	8.78	109	1.4
205623		<0.005	0.04	1.41	36	0.06	8.99	168	1.2
205624		0.034	0.02	2.15	20	0.05	6.61	64	3.2
205625		0.072	<0.02	1.82	33	0.08	5.20	14	3.9
205626		0.077	0.02	1.99	32	0.10	5.65	10	4.7
205627		0.086	0.02	1.92	45	0.10	5.77	23	4.8
205628		0.043	0.03	1.58	33	0.05	5.95	141	3.4
205629		0.021	0.02	2.59	47	0.05	17.50	41	2.7
205630		0.039	0.33	4.35	58	2.59	11.00	65	4.1
205631		0.056	<0.02	1.82	66	0.06	6.10	87	3.8
205632		0.082	<0.02	1.58	58	0.13	6.28	27	4.1
205633		0.025	0.04	1.45	54	0.11	8.26	73	2.2
205634		0.073	<0.02	1.68	62	0.11	6.92	16	3.9
205635		0.070	<0.02	1.73	62	0.11	7.11	20	4.0
205636		0.060	0.03	1.72	68	0.10	7.44	46	3.4
205637		0.030	0.02	2.08	63	0.06	10.40	80	2.9
205638		<0.005	0.03	1.86	40	<0.05	18.95	83	1.2
205639		0.050	0.03	1.80	65	0.08	7.89	42	3.4
205640		0.640	<0.02	0.60	111	0.15	10.85	54	34.9
205641		0.023	0.04	1.43	56	0.07	9.41	84	1.8
205642		0.039	0.03	1.78	62	0.12	7.92	48	2.9
205643		0.087	<0.02	2.01	75	0.18	7.23	26	5.2
205644		0.056	0.03	1.76	65	0.13	7.61	44	3.3
205645		0.079	0.02	2.14	68	0.15	7.19	26	4.2
205646		0.089	0.02	2.46	72	0.19	7.77	36	5.3
205647		0.076	0.02	1.97	72	0.12	7.03	31	4.4
205648		0.058	0.04	1.84	63	0.07	7.88	39	3.6
205649		0.031	0.03	2.35	34	0.06	9.29	46	2.6
205650		0.010	0.09	0.53	91	3.38	13.35	68	2.7



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Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
205651		7.32	<0.001	0.09	0.61	3.8	<0.2	<10	80	0.17	0.05	1.54	0.10	13.85	3.8	7
205652		6.78	<0.001	0.04	0.42	2.4	<0.2	<10	70	0.10	0.03	0.78	0.05	11.35	2.7	6
205653		6.92	<0.001	0.05	0.68	2.7	<0.2	<10	70	0.20	0.03	2.86	0.08	15.70	3.1	5
205654		6.48	0.026	0.50	0.81	19.6	<0.2	10	340	0.25	0.10	2.60	0.62	15.30	4.0	4
205655		6.64	0.005	0.10	0.52	2.8	<0.2	<10	70	0.10	0.03	0.81	0.09	10.70	2.9	8
205656		6.64	0.008	0.21	0.62	3.3	<0.2	<10	90	0.12	0.02	0.71	0.13	10.65	4.7	6
205657		6.38	0.001	0.10	0.58	4.6	<0.2	<10	50	0.14	0.02	1.02	0.11	9.90	1.6	5
205658		6.44	0.022	0.09	0.60	4.3	<0.2	<10	90	0.10	0.04	0.77	0.08	11.45	3.1	6
205659		6.20	0.009	3.57	0.71	32.9	<0.2	<10	170	0.18	0.07	1.74	1.20	10.45	4.0	7
205660		0.22	<0.001	0.05	2.37	0.8	<0.2	<10	80	0.90	0.01	2.68	0.08	33.3	33.5	34
205661		6.50	<0.001	0.11	0.69	2.7	<0.2	<10	50	0.17	0.03	1.51	0.06	13.05	3.2	6
205662		5.54	<0.001	0.04	0.48	2.7	<0.2	<10	80	0.10	0.03	0.58	0.05	12.50	2.6	6
205663		3.98	<0.001	0.03	0.49	2.3	<0.2	<10	80	0.10	0.02	0.59	0.04	11.50	2.7	6

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



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		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
205651		1.12	22.5	2.00	3.02	0.06	0.28	<0.01	0.014	0.08	7.8	8.0	0.22	513	1.11	0.10
205652		0.37	18.0	1.93	2.70	0.08	0.33	<0.01	0.008	0.07	6.5	4.4	0.15	261	1.04	0.11
205653		1.80	20.0	1.76	3.00	0.05	0.14	<0.01	0.011	0.09	8.7	6.6	0.21	1020	1.05	0.09
205654		3.54	375	2.08	3.43	0.06	0.14	0.02	0.015	0.14	8.8	13.0	0.30	1440	1.10	0.07
205655		0.89	101.5	2.02	3.00	0.07	0.24	0.01	0.008	0.09	5.8	6.9	0.26	299	9.78	0.10
205656		1.32	870	2.23	3.83	0.07	0.25	0.01	0.023	0.14	5.9	9.8	0.38	259	8.95	0.11
205657		1.22	68.4	0.72	2.23	0.06	0.23	0.01	0.010	0.06	4.7	7.3	0.55	233	13.65	0.14
205658		1.00	169.0	1.65	3.19	0.07	0.28	0.01	0.011	0.12	6.2	8.9	0.40	248	97.7	0.12
205659		1.38	767	1.77	3.56	0.06	0.19	0.03	0.021	0.13	5.7	10.2	0.41	537	24.8	0.10
205660		0.15	39.0	4.08	8.52	0.19	0.48	<0.01	0.040	0.43	15.2	4.4	3.62	687	2.76	1.05
205661		1.55	27.5	1.89	3.19	0.06	0.22	<0.01	0.012	0.10	7.0	8.4	0.30	448	1.14	0.11
205662		0.44	22.1	1.95	2.71	0.07	0.34	0.01	0.007	0.09	7.0	4.5	0.18	189	1.11	0.14
205663		0.35	17.9	2.00	2.86	0.09	0.30	0.01	0.006	0.08	6.3	4.7	0.19	182	0.94	0.14



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205651		0.14	3.1	600	8.9	5.4	0.001	0.02	0.35	3.7	0.2	0.5	67.8	<0.01	0.01	4.6
205652		0.30	2.0	580	4.2	3.4	0.001	0.01	0.23	1.6	0.2	0.4	44.1	<0.01	0.01	3.3
205653		0.10	2.0	560	4.9	6.3	0.001	0.02	0.30	2.8	0.3	0.3	94.5	<0.01	0.01	2.7
205654		0.10	1.8	540	13.0	11.2	0.001	0.05	1.22	2.5	0.7	0.3	86.4	<0.01	0.06	4.1
205655		0.23	1.6	530	17.2	5.3	0.003	0.02	0.27	1.8	0.3	0.3	35.6	<0.01	0.01	3.0
205656		0.22	1.9	560	10.8	14.8	0.002	0.11	0.39	2.2	0.4	0.4	39.3	<0.01	0.05	3.8
205657		0.16	1.7	560	6.8	4.6	0.010	0.02	0.37	2.5	0.2	0.4	51.9	<0.01	0.01	4.7
205658		0.25	2.1	580	30.5	10.2	0.104	0.04	1.13	2.3	0.6	0.4	42.5	<0.01	0.03	5.0
205659		0.16	2.1	530	159.0	12.2	0.018	0.10	13.25	2.5	0.5	0.3	46.6	<0.01	0.04	3.9
205660		1.54	141.0	1450	2.4	12.3	0.001	0.02	0.14	8.0	0.6	1.1	212	0.02	0.01	1.6
205661		0.17	2.2	630	18.2	6.5	0.001	<0.01	0.34	3.1	0.2	0.4	51.2	<0.01	0.01	3.2
205662		0.35	2.1	620	3.6	3.3	0.001	<0.01	0.34	1.6	0.3	0.4	43.8	<0.01	0.01	3.7
205663		0.28	2.1	600	3.0	3.6	0.001	<0.01	0.23	1.4	0.3	0.5	42.4	<0.01	0.01	2.6



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 Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10068722

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205651		0.057	0.03	2.52	64	0.10	7.90	56	4.4
205652		0.102	<0.02	2.30	64	0.14	6.51	22	5.1
205653		0.027	0.03	1.65	56	0.24	9.39	44	2.3
205654		0.025	0.06	2.24	51	0.61	9.00	104	2.3
205655		0.085	0.02	1.88	58	0.23	6.25	34	3.4
205656		0.101	0.05	2.15	64	0.20	6.48	30	3.6
205657		0.089	0.03	2.15	45	0.24	5.88	23	3.5
205658		0.116	0.03	2.99	61	0.26	6.83	35	4.3
205659		0.073	0.05	3.16	53	0.33	6.65	72	3.3
205660		0.649	<0.02	0.59	108	0.12	10.35	58	31.1
205661		0.068	0.03	2.31	66	0.20	7.78	33	3.7
205662		0.113	<0.02	2.47	69	0.22	6.90	15	5.4
205663		0.108	<0.02	2.18	69	0.19	6.49	13	4.7

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



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CERTIFICATE OF ANALYSIS VA10068722

Method	CERTIFICATE COMMENTS
ME-MS41 ME-MS41	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). Interference: Mo>400ppm on ICP-MS Cd,ICP-AES results shown.



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CERTIFICATE VA10068723

Project: Woodjam North

P.O. No.: WJN-2010-28

This report is for 75 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 27-MAY-2010.

The following have access to data associated with this certificate:

BLAIRD
JULIANNE MADSEN

NATE BREWER
ROSS SHERLOCK

JOHN HERTEL
TWILA SKINNER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS41	51 anal. aqua regia ICPMS	

To: GOLD FIELDS HORSEFLY EXPLORATION INC.
ATTN: JULIANNE MADSEN
1155 ROBSON STREET, SUITE 400
VANCOUVER BC V6E 1B5

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 VA10068723

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
205664		5.90	<0.001	0.02	0.50	3.0	<0.2	<10	60	0.12	0.01	1.12	0.02	12.30	0.6	16
205665		4.26	<0.001	0.03	0.46	2.3	<0.2	<10	80	0.11	0.01	1.39	0.02	9.89	0.7	6
205666		6.08	0.001	0.05	0.59	3.3	<0.2	<10	100	0.10	0.02	1.31	0.06	10.80	0.8	5
205667		4.96	0.008	0.15	0.44	3.2	<0.2	<10	70	0.07	0.01	0.65	0.06	11.50	1.9	18
205668		5.66	<0.001	0.06	0.54	3.3	<0.2	<10	70	0.10	0.02	1.49	0.04	11.90	1.1	5
205669		6.06	<0.001	0.03	0.47	3.3	<0.2	<10	60	0.06	0.01	0.86	0.02	11.45	0.9	6
205670		0.14	1.180	1.99	2.31	10.2	0.8	<10	120	0.11	0.42	1.35	1.74	6.92	27.7	60
205671		6.04	<0.001	0.04	0.53	4.2	<0.2	<10	70	0.09	0.02	0.83	0.14	11.55	1.2	19
205672		6.04	<0.001	0.02	0.44	2.6	<0.2	<10	50	0.07	0.01	1.23	0.02	11.70	1.1	6
205673		3.36	0.002	0.17	0.45	2.9	<0.2	<10	70	0.06	0.01	1.63	0.05	11.85	1.3	6
205674		4.30	0.016	0.10	0.50	3.2	<0.2	<10	90	0.07	0.01	1.19	0.08	10.70	1.3	21
205675		3.88	0.111	0.10	0.44	8.2	<0.2	<10	60	0.06	0.02	0.98	0.06	10.90	3.5	7
205676		4.08	0.133	0.07	0.50	4.4	<0.2	<10	80	0.06	0.02	0.86	0.02	11.80	3.5	6
205677		4.26	0.345	0.13	0.62	21.2	<0.2	<10	70	0.07	0.02	0.69	0.03	9.54	4.9	21
205678		3.78	0.143	0.15	0.45	5.5	0.4	<10	70	0.05	0.02	0.63	0.03	10.80	4.4	7
205679		4.20	0.047	0.06	0.55	3.5	<0.2	<10	80	0.07	0.01	0.73	0.03	11.75	3.6	7
205680		0.22	<0.001	0.04	2.16	0.6	<0.2	<10	50	0.86	<0.01	2.28	0.05	30.9	34.2	49
205681		3.90	0.008	0.05	0.45	3.6	<0.2	<10	70	0.08	0.01	0.88	0.09	11.40	2.6	7
205682		4.02	0.007	0.03	0.44	1.8	<0.2	<10	70	0.05	0.01	0.52	0.01	11.80	2.5	7
205683		3.92	0.002	0.04	0.43	3.6	<0.2	<10	80	0.06	0.02	0.66	0.12	11.05	1.6	6
205684		4.26	0.001	0.07	0.64	4.6	<0.2	<10	100	0.09	0.02	1.02	0.43	11.95	1.6	21
205685		3.54	0.042	0.05	0.60	8.2	<0.2	<10	80	0.06	0.03	0.68	0.03	12.10	2.8	7
205686		4.36	0.001	0.03	0.65	5.1	<0.2	<10	80	0.08	0.01	0.58	0.02	11.20	2.1	5
205687		6.42	0.004	0.02	0.69	3.1	<0.2	<10	80	0.07	0.02	0.61	0.02	12.40	3.4	26
205688		6.04	0.007	0.03	0.56	3.2	<0.2	<10	70	0.06	0.10	0.60	0.02	12.15	2.9	8
205689		6.32	<0.001	0.03	0.58	2.7	<0.2	<10	80	0.07	0.02	0.73	0.02	13.60	2.3	8
205690		0.14	0.203	2.58	1.62	28.5	0.2	<10	130	0.41	2.41	1.80	1.09	42.3	18.4	69
205691		5.72	0.003	0.05	0.71	7.1	<0.2	<10	110	0.09	0.02	0.94	0.03	15.55	2.8	6
205692		5.96	0.006	0.06	0.78	8.4	<0.2	<10	110	0.10	0.02	0.66	0.03	12.30	4.5	9
205693		5.92	0.010	0.05	0.70	4.8	<0.2	<10	90	0.11	0.02	0.60	0.03	12.95	4.4	7
205694		5.82	0.016	0.17	0.59	10.4	<0.2	<10	90	0.08	0.03	0.72	0.04	12.40	3.0	8
205695		6.54	0.007	0.04	0.73	7.6	<0.2	<10	130	0.08	0.02	0.61	0.03	12.35	4.5	7
205696		6.10	0.035	0.10	0.84	3.3	<0.2	<10	90	0.09	0.04	0.60	0.03	11.85	5.1	9
205697		5.94	0.006	0.04	0.59	3.6	<0.2	<10	80	0.08	0.02	0.58	0.03	13.05	3.1	6
205698		6.26	<0.001	0.03	0.61	3.2	<0.2	<10	80	0.10	0.01	0.58	0.06	13.15	2.3	8
205699		6.24	<0.001	0.03	0.66	4.5	<0.2	<10	90	0.10	0.02	0.70	0.03	12.55	1.9	5
205700		0.20	<0.001	0.04	2.24	0.5	<0.2	<10	70	0.84	<0.01	2.49	0.06	34.3	35.9	35
205701		6.34	<0.001	0.01	0.66	4.5	<0.2	<10	60	0.15	0.02	0.91	0.02	12.75	1.0	6
205702		6.56	<0.001	0.02	0.49	4.2	<0.2	<10	50	0.12	0.01	0.57	0.02	10.80	0.8	6
205703		6.60	<0.001	0.02	0.62	4.2	<0.2	<10	70	0.14	0.01	0.95	0.02	12.20	0.8	5



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CERTIFICATE OF ANALYSIS VA10068723

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
205664		0.75	2.5	0.35	1.49	0.07	0.22	<0.01	0.005	0.02	5.3	3.0	0.27	81	0.51	0.15
205665		0.72	3.0	0.30	1.43	<0.05	0.23	<0.01	<0.005	0.02	4.0	3.3	0.28	98	0.46	0.13
205666		0.68	4.3	0.43	2.07	<0.05	0.24	<0.01	<0.005	0.02	4.4	2.4	0.30	95	91.5	0.15
205667		0.43	221	1.27	2.25	<0.05	0.30	<0.01	0.006	0.05	5.6	1.6	0.15	86	1.93	0.12
205668		0.68	6.4	0.48	1.99	<0.05	0.25	<0.01	0.006	0.02	5.4	2.7	0.38	164	14.15	0.11
205669		0.54	7.4	0.94	1.85	<0.05	0.27	<0.01	<0.005	0.05	5.0	1.8	0.19	98	1.91	0.13
205670		0.94	5080	4.80	7.17	0.07	0.13	0.11	0.172	0.24	3.0	9.8	1.34	410	272	0.14
205671		0.59	19.7	1.03	2.26	<0.05	0.28	<0.01	<0.005	0.03	5.5	2.5	0.16	93	2.05	0.12
205672		0.61	15.0	0.66	1.61	<0.05	0.27	<0.01	0.008	0.02	5.2	2.0	0.23	121	0.80	0.11
205673		0.39	500	0.95	1.80	<0.05	0.30	<0.01	0.008	0.04	5.0	1.8	0.19	147	2.68	0.11
205674		0.43	274	0.82	2.14	<0.05	0.26	<0.01	0.008	0.04	4.4	2.2	0.20	108	44.4	0.12
205675		0.80	978	1.83	3.09	<0.05	0.26	<0.01	0.023	0.09	5.2	3.3	0.21	127	1.00	0.09
205676		0.84	1210	1.61	3.02	<0.05	0.27	<0.01	0.029	0.08	5.5	4.1	0.21	108	1.22	0.11
205677		2.25	2450	1.75	3.52	<0.05	0.23	<0.01	0.051	0.19	4.5	5.5	0.36	100	6.95	0.10
205678		1.05	1830	1.93	3.12	<0.05	0.28	<0.01	0.042	0.12	5.1	3.3	0.22	96	0.65	0.09
205679		1.48	546	1.87	3.59	<0.05	0.28	<0.01	0.012	0.15	5.5	5.3	0.29	121	1.03	0.12
205680		0.16	40.6	4.18	8.47	0.16	0.65	<0.01	0.028	0.56	13.1	3.7	3.38	655	2.29	0.88
205681		0.49	314	1.45	2.68	<0.05	0.29	<0.01	0.009	0.05	5.6	3.6	0.18	113	4.91	0.10
205682		0.25	300	2.06	2.90	<0.05	0.25	<0.01	0.006	0.08	5.8	2.6	0.15	100	1.95	0.11
205683		0.41	339	1.42	2.21	<0.05	0.25	<0.01	<0.005	0.05	5.6	3.1	0.17	83	11.15	0.09
205684		0.55	171.0	1.00	2.60	<0.05	0.26	<0.01	<0.005	0.05	5.7	5.7	0.28	164	3.73	0.13
205685		0.45	716	1.99	3.33	<0.05	0.28	<0.01	0.006	0.11	5.8	4.5	0.26	116	19.10	0.14
205686		0.54	148.0	1.98	2.93	<0.05	0.25	<0.01	<0.005	0.08	5.6	4.3	0.25	86	4.93	0.12
205687		0.97	198.0	2.41	4.20	<0.05	0.26	<0.01	<0.005	0.13	5.9	6.4	0.37	109	4.64	0.14
205688		0.69	131.5	2.20	3.59	<0.05	0.27	<0.01	<0.005	0.10	5.7	5.8	0.29	101	13.05	0.12
205689		0.32	106.0	2.00	3.10	<0.05	0.30	<0.01	<0.005	0.10	6.4	4.0	0.23	114	3.79	0.14
205690		2.17	1920	4.25	5.91	0.06	0.13	0.10	0.073	0.52	22.5	7.7	0.86	381	171.0	0.06
205691		0.37	189.0	2.23	3.47	<0.05	0.33	<0.01	0.005	0.13	6.9	4.0	0.23	165	27.8	0.19
205692		1.35	301	2.49	4.80	<0.05	0.24	<0.01	<0.005	0.15	5.4	9.1	0.42	128	4.04	0.15
205693		1.20	253	2.34	4.64	<0.05	0.28	<0.01	0.005	0.13	5.9	8.6	0.40	130	8.31	0.14
205694		0.29	571	1.99	3.47	<0.05	0.29	<0.01	0.007	0.07	5.5	4.1	0.28	118	32.0	0.16
205695		1.64	215	2.43	4.87	<0.05	0.26	<0.01	<0.005	0.18	5.6	7.0	0.46	131	13.15	0.15
205696		2.17	735	2.68	5.45	<0.05	0.26	<0.01	0.010	0.22	5.3	8.1	0.57	126	6.05	0.15
205697		0.39	83.3	2.36	3.89	<0.05	0.30	<0.01	<0.005	0.08	5.9	4.6	0.30	114	3.96	0.15
205698		0.39	17.7	2.21	3.37	<0.05	0.28	<0.01	<0.005	0.09	6.0	4.1	0.30	102	2.55	0.17
205699		0.82	7.9	1.49	3.16	<0.05	0.27	<0.01	<0.005	0.06	5.6	4.7	0.39	111	0.85	0.16
205700		0.15	31.9	4.35	9.30	0.17	0.75	<0.01	0.032	0.46	14.5	4.0	3.47	689	2.13	0.92
205701		0.82	4.6	0.50	2.50	0.08	0.24	<0.01	0.010	0.02	5.8	7.0	0.51	137	0.66	0.18
205702		0.81	5.5	0.38	1.74	0.06	0.18	<0.01	0.007	0.02	5.0	5.0	0.47	59	1.68	0.13
205703		0.92	4.3	0.42	2.16	0.07	0.21	<0.01	0.007	0.02	5.3	5.5	0.51	125	0.69	0.18



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CERTIFICATE OF ANALYSIS VA10068723

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205664		0.33	1.6	730	1.6	1.1	<0.001	<0.01	0.20	2.1	0.2	0.6	70.6	<0.01	<0.01	2.9
205665		0.25	1.4	660	1.8	0.9	<0.001	<0.01	0.14	2.7	<0.2	0.6	77.0	<0.01	0.03	2.2
205666		0.27	1.3	690	1.9	1.1	0.197	0.01	0.48	2.9	0.3	0.6	112.5	<0.01	0.02	2.4
205667		0.38	1.5	600	2.5	1.8	0.003	0.03	0.47	1.3	<0.2	0.5	76.6	<0.01	0.03	3.9
205668		0.22	1.4	600	3.7	1.0	0.031	<0.01	0.47	2.7	<0.2	0.6	117.5	<0.01	0.02	2.4
205669		0.37	1.8	580	2.6	1.6	0.003	<0.01	0.45	1.4	<0.2	0.6	72.2	<0.01	<0.01	2.6
205670		0.34	42.7	670	21.0	10.0	0.416	2.24	8.46	7.6	3.9	2.3	44.1	0.01	0.24	0.7
205671		0.36	1.7	600	7.6	1.4	0.006	0.01	0.72	1.5	<0.2	0.6	99.9	<0.01	<0.01	2.9
205672		0.34	1.3	620	0.8	1.1	0.002	<0.01	0.20	2.2	<0.2	0.6	77.7	<0.01	<0.01	2.2
205673		0.38	2.1	640	2.3	1.5	0.008	0.05	0.24	2.2	4.5	0.7	87.9	<0.01	0.07	2.4
205674		0.33	1.9	570	1.3	1.5	0.164	0.03	0.38	2.3	0.9	0.6	119.5	<0.01	0.02	2.3
205675		0.31	1.7	590	2.6	7.9	0.001	0.11	0.37	1.6	1.0	0.5	49.1	<0.01	0.14	3.2
205676		0.36	2.0	600	1.4	7.1	<0.001	0.14	0.17	1.9	1.6	0.6	82.5	<0.01	0.16	2.9
205677		0.32	2.3	570	1.3	25.3	0.006	0.26	0.27	2.9	2.3	0.6	65.8	<0.01	0.15	4.9
205678		0.36	1.6	530	1.4	12.4	<0.001	0.20	0.18	1.8	1.8	0.6	60.8	<0.01	0.12	5.4
205679		0.38	1.8	550	1.5	17.8	<0.001	0.07	0.14	2.1	0.4	0.5	64.1	<0.01	0.03	4.8
205680		2.36	137.5	1400	0.5	14.7	<0.001	0.03	<0.05	8.5	0.5	0.8	140.5	0.03	0.01	1.4
205681		0.44	2.4	580	1.2	2.8	0.003	0.04	0.29	2.1	<0.2	0.5	76.9	<0.01	0.01	4.9
205682		0.39	1.4	560	1.1	3.2	0.001	0.03	0.14	1.4	0.2	0.5	47.4	<0.01	0.02	2.9
205683		0.29	2.6	550	2.5	1.8	0.003	0.04	0.34	1.5	0.3	0.6	94.4	<0.01	0.01	4.5
205684		0.27	2.1	560	16.3	2.1	0.001	0.02	0.45	2.6	0.2	0.6	127.0	<0.01	0.01	3.4
205685		0.30	1.8	530	1.2	5.4	0.001	0.08	0.57	1.8	0.7	0.6	63.1	<0.01	0.04	5.0
205686		0.37	1.4	560	1.0	2.6	<0.001	0.01	0.25	1.7	<0.2	0.5	62.7	0.01	0.01	4.0
205687		0.30	2.3	590	1.1	10.1	<0.001	0.02	0.11	2.0	0.2	0.5	50.5	<0.01	0.01	3.7
205688		0.32	1.9	560	1.0	6.7	0.008	0.01	0.12	1.6	0.4	0.5	45.2	<0.01	0.08	3.5
205689		0.35	1.9	580	1.3	3.4	<0.001	0.01	0.22	1.7	<0.2	0.7	51.0	<0.01	0.01	3.6
205690		0.17	18.1	730	20.9	36.3	0.043	1.99	6.65	7.4	3.2	1.8	73.1	<0.01	0.30	10.8
205691		0.31	1.8	580	2.2	5.2	0.023	0.02	0.31	2.1	<0.2	0.7	62.5	<0.01	0.01	3.6
205692		0.23	2.2	620	1.4	14.5	<0.001	0.02	0.14	2.3	<0.2	0.5	65.4	<0.01	0.01	1.8
205693		0.26	2.1	630	1.5	12.6	0.001	0.02	0.09	2.1	<0.2	0.6	60.7	<0.01	0.02	2.3
205694		0.27	2.1	640	1.2	3.0	0.012	0.04	0.14	1.9	0.5	0.6	64.7	<0.01	0.03	1.9
205695		0.25	2.2	650	1.4	21.1	0.003	0.02	0.12	2.6	<0.2	0.6	51.6	<0.01	0.01	2.0
205696		0.25	2.6	630	1.4	27.9	0.001	0.06	0.13	3.3	0.5	0.6	50.9	<0.01	0.04	2.2
205697		0.35	1.8	640	1.4	3.6	0.001	0.01	0.13	1.8	<0.2	0.6	48.6	<0.01	0.01	2.0
205698		0.29	1.8	640	2.2	2.8	0.002	<0.01	0.22	1.7	<0.2	0.7	52.6	<0.01	<0.01	2.0
205699		0.26	1.6	640	3.8	2.3	<0.001	<0.01	0.51	2.0	<0.2	0.6	84.0	<0.01	<0.01	1.9
205700		3.28	141.5	1380	0.6	12.7	<0.001	0.02	0.05	10.1	0.4	1.1	188.0	0.06	0.01	1.5
205701		0.18	1.8	650	1.9	1.4	<0.001	<0.01	0.40	2.7	<0.2	0.7	72.6	<0.01	<0.01	2.0
205702		0.16	1.4	670	2.0	1.2	0.002	<0.01	0.43	1.8	<0.2	0.6	65.0	<0.01	<0.01	1.8
205703		0.16	1.5	660	2.0	1.5	0.001	<0.01	0.37	2.5	<0.2	0.6	91.8	<0.01	0.03	2.3



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To: GOLD FIELDS HORSEFLY EXPLORATION INC.

1155 ROBSON STREET, SUITE 400

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Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10068723

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205664		0.107	<0.02	1.84	31	0.15	6.70	<2	4.5
205665		0.095	<0.02	1.49	34	0.15	6.70	4	4.7
205666		0.100	<0.02	1.62	36	0.15	7.17	3	4.8
205667		0.093	<0.02	2.19	46	0.36	5.92	6	5.2
205668		0.086	<0.02	1.93	35	0.13	6.56	8	4.6
205669		0.098	<0.02	1.85	43	0.10	6.32	5	5.2
205670		0.175	0.42	0.34	84	15.25	8.30	204	3.8
205671		0.095	<0.02	2.04	39	0.11	6.06	6	4.9
205672		0.093	<0.02	1.70	35	0.11	6.39	3	4.8
205673		0.099	<0.02	2.09	49	0.18	6.73	5	6.3
205674		0.094	<0.02	1.93	43	0.17	6.44	5	5.2
205675		0.086	0.03	2.28	59	0.12	6.05	11	5.0
205676		0.089	0.02	2.04	54	0.12	6.31	7	4.7
205677		0.097	0.10	2.35	52	0.17	5.73	8	4.0
205678		0.079	0.05	2.37	53	0.17	6.09	7	5.0
205679		0.103	0.06	2.69	56	0.20	6.66	8	5.0
205680		0.575	<0.02	0.46	102	0.12	9.12	51	39.7
205681		0.089	<0.02	2.76	54	0.14	6.27	7	5.4
205682		0.090	<0.02	2.06	59	0.18	6.30	5	4.5
205683		0.078	<0.02	2.39	45	0.11	5.86	10	4.0
205684		0.093	<0.02	2.16	39	0.10	6.81	33	4.5
205685		0.096	0.02	2.79	55	0.16	6.65	6	4.7
205686		0.091	<0.02	2.35	56	0.11	6.04	5	3.8
205687		0.105	0.04	2.01	66	0.10	7.12	6	4.2
205688		0.093	0.03	2.06	61	0.12	6.85	5	4.5
205689		0.104	<0.02	2.24	58	0.15	7.59	8	4.8
205690		0.039	0.35	4.66	60	2.78	11.80	67	4.2
205691		0.113	0.02	2.46	62	0.19	8.13	11	5.6
205692		0.107	0.05	1.45	71	0.20	7.03	9	4.3
205693		0.110	0.05	1.68	69	0.24	7.02	9	5.1
205694		0.105	<0.02	1.90	63	0.21	6.74	7	4.9
205695		0.119	0.07	1.68	74	0.19	7.23	8	4.4
205696		0.132	0.09	1.34	80	0.14	7.07	8	4.0
205697		0.113	<0.02	1.67	71	0.16	7.08	8	5.3
205698		0.118	<0.02	1.86	69	0.15	7.01	6	5.0
205699		0.104	<0.02	1.63	50	0.13	6.64	9	4.8
205700		0.632	<0.02	0.52	105	0.11	10.25	53	46.8
205701		0.103	<0.02	1.81	32	0.12	6.45	27	4.1
205702		0.086	<0.02	1.65	28	0.12	5.27	3	3.3
205703		0.098	<0.02	1.72	32	0.13	6.75	15	3.6



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Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10068723

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
205704		6.48	<0.001	0.03	0.67	4.5	<0.2	<10	40	0.16	0.01	0.96	0.05	13.00	1.0	6
205705		6.42	<0.001	0.04	0.94	5.0	<0.2	<10	40	0.25	0.05	1.79	0.04	16.60	2.4	5
205706		6.52	0.002	1.16	0.88	39.8	<0.2	<10	50	0.17	0.06	2.52	0.62	18.35	3.4	5
205707		6.92	0.001	0.35	0.84	14.4	<0.2	<10	50	0.20	0.03	2.54	0.43	15.60	3.2	4
205708		6.22	0.009	0.12	0.62	6.4	<0.2	<10	110	0.16	0.02	1.61	0.21	15.55	4.1	19
205709		6.40	0.024	0.12	0.76	22.4	<0.2	<10	110	0.18	0.03	1.80	0.08	16.55	5.1	6
205710		0.14	0.209	2.09	1.60	28.9	<0.2	<10	100	0.43	2.34	1.82	1.03	39.0	18.3	67
205711		6.58	0.036	0.14	0.84	30.6	<0.2	<10	180	0.15	0.07	1.16	0.05	16.30	6.7	20
205712		6.64	0.015	0.11	0.78	11.8	<0.2	<10	110	0.11	0.03	0.80	0.07	14.90	6.5	7
205713		6.54	0.001	0.11	0.71	4.5	<0.2	<10	110	0.16	0.03	1.14	0.32	15.20	3.2	17
205714		6.46	<0.001	0.02	0.67	5.4	<0.2	<10	110	0.18	0.03	1.71	0.04	13.85	2.9	4
205715		6.80	<0.001	0.02	0.70	6.8	<0.2	<10	100	0.22	0.06	1.62	0.04	14.25	2.4	19
205716		6.22	<0.001	0.04	0.69	5.5	<0.2	<10	240	0.21	0.02	1.97	0.08	14.90	2.2	4
205717		5.42	0.005	0.09	0.56	9.3	<0.2	<10	90	0.14	0.03	0.98	0.54	12.50	3.0	7
205718		7.42	0.002	0.03	0.59	3.4	<0.2	<10	140	0.14	0.03	1.27	0.07	14.70	2.5	17
205719		6.32	0.007	0.05	0.66	4.8	<0.2	<10	160	0.19	0.04	1.62	0.15	14.10	2.9	5
205720		0.22	<0.001	0.02	2.10	0.5	<0.2	<10	60	0.78	<0.01	2.46	0.05	26.4	31.1	26
205721		6.28	0.016	0.06	0.65	6.1	<0.2	<10	110	0.15	0.03	1.25	0.23	14.40	2.8	17
205722		6.58	0.001	0.11	0.61	4.8	<0.2	<10	30	0.24	0.03	5.00	0.31	17.10	5.0	4
205723		6.12	0.007	0.12	0.46	4.6	<0.2	<10	50	0.11	0.02	0.82	0.28	14.75	2.4	22
205724		6.06	0.009	0.04	0.49	6.3	<0.2	<10	80	0.12	0.02	0.71	0.11	14.35	2.6	6
205725		6.12	0.005	0.06	0.67	12.7	<0.2	<10	100	0.14	0.02	1.00	0.24	12.50	2.6	8
205726		6.14	<0.001	0.04	0.79	4.8	<0.2	<10	80	0.21	0.03	1.14	0.03	12.65	1.6	18
205727		6.00	0.001	0.03	0.72	4.8	<0.2	<10	40	0.20	0.07	1.82	0.04	12.80	1.4	6
205728		6.56	0.008	0.07	0.77	4.8	<0.2	<10	30	0.19	0.02	2.08	0.11	14.85	2.4	5
205729		5.94	0.010	0.21	0.71	3.9	<0.2	<10	70	0.16	0.03	1.26	0.14	14.40	3.8	19
205730		0.16	0.278	2.04	1.53	45.9	0.3	<10	70	0.35	0.32	4.39	1.40	19.10	18.4	26
205731		7.06	0.019	0.51	0.69	3.5	<0.2	<10	70	0.15	0.04	1.54	0.43	14.75	3.6	5
205732		6.18	0.006	0.13	0.57	3.3	<0.2	<10	80	0.13	0.01	0.80	0.19	13.15	2.6	8
205733		5.66	0.004	0.04	0.62	4.2	<0.2	<10	90	0.12	0.02	0.59	0.11	11.80	3.7	21
205734		6.20	0.012	0.09	0.81	5.9	<0.2	<10	100	0.11	0.02	0.56	0.12	11.65	6.0	9
205735		6.76	0.010	0.04	0.78	7.5	<0.2	<10	160	0.11	0.02	0.78	0.04	12.90	5.3	7
205736		6.12	0.001	0.03	0.50	3.9	<0.2	<10	60	0.11	0.02	0.67	0.04	13.50	3.6	23
205737		6.38	0.002	0.03	0.46	5.7	<0.2	<10	60	0.07	0.02	0.70	0.02	10.60	4.6	6
205738		6.26	0.008	0.03	0.52	5.0	<0.2	<10	80	0.08	0.01	0.91	0.08	10.30	3.1	7



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CERTIFICATE OF ANALYSIS VA10068723

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
205704		0.82	5.8	0.49	2.70	0.06	0.26	<0.01	0.006	0.03	5.9	11.2	0.49	189	0.98	0.17
205705		2.35	9.3	1.02	4.01	0.06	0.20	<0.01	0.019	0.06	8.4	12.4	0.45	311	0.59	0.12
205706		1.98	342	1.90	3.91	0.05	0.07	0.01	0.018	0.10	9.1	10.0	0.29	404	1.50	0.11
205707		1.53	103.0	0.97	3.34	0.05	0.15	<0.01	0.019	0.06	7.2	9.1	0.28	391	10.70	0.13
205708		0.41	269	2.07	3.00	0.08	0.27	0.01	0.021	0.08	7.6	2.8	0.21	278	1.60	0.15
205709		0.89	1925	2.49	3.50	0.10	0.22	<0.01	0.049	0.12	7.7	3.2	0.48	382	15.95	0.16
205710		2.32	1940	4.17	5.85	0.10	0.12	0.10	0.083	0.53	21.7	8.1	0.84	364	161.0	0.06
205711		1.98	1675	2.32	4.27	0.10	0.25	0.01	0.047	0.18	7.5	6.5	0.46	254	191.5	0.17
205712		2.42	1490	2.75	4.63	0.08	0.27	<0.01	0.057	0.24	6.9	7.4	0.46	209	34.6	0.16
205713		0.62	192.5	1.87	3.21	0.09	0.29	<0.01	0.014	0.07	7.6	4.1	0.29	215	3.31	0.16
205714		0.92	6.1	0.72	2.67	0.06	0.20	<0.01	0.016	0.03	6.8	7.3	0.50	304	0.47	0.12
205715		1.43	5.4	0.81	2.89	0.07	0.17	<0.01	0.029	0.04	6.8	7.0	0.46	296	0.57	0.12
205716		0.91	7.3	0.74	2.46	0.07	0.23	<0.01	0.014	0.03	7.3	4.7	0.38	318	0.51	0.14
205717		0.99	204	1.61	3.07	0.08	0.23	<0.01	0.010	0.07	6.2	5.4	0.30	151	7.11	0.10
205718		0.63	37.3	1.52	2.75	0.08	0.26	<0.01	0.011	0.05	7.1	3.5	0.24	183	2.91	0.12
205719		0.74	68.6	0.98	2.55	0.06	0.21	<0.01	0.018	0.03	6.5	3.5	0.38	256	7.41	0.13
205720		0.13	29.4	3.66	8.09	0.18	0.58	<0.01	0.037	0.41	12.8	3.6	3.20	620	2.04	0.87
205721		0.59	130.0	1.51	2.61	0.06	0.23	<0.01	0.014	0.05	6.9	2.9	0.29	189	12.20	0.12
205722		0.86	20.3	1.91	2.97	0.07	0.17	<0.01	0.014	0.04	8.8	3.3	1.38	833	4.88	0.11
205723		0.72	63.5	1.71	2.71	0.08	0.29	<0.01	0.008	0.06	7.4	3.6	0.16	143	12.85	0.11
205724		0.95	185.0	1.78	3.02	0.07	0.27	<0.01	0.008	0.06	7.2	5.6	0.27	122	7.38	0.12
205725		1.53	201	1.41	3.22	0.08	0.21	<0.01	0.011	0.07	6.0	8.6	0.46	168	6.84	0.13
205726		1.01	11.2	0.65	3.22	0.07	0.21	<0.01	0.014	0.04	6.0	11.1	0.59	205	6.42	0.15
205727		1.75	4.3	0.62	3.17	0.05	0.12	<0.01	0.019	0.05	5.6	13.5	0.44	455	1.87	0.10
205728		1.93	92.0	1.06	3.31	0.05	0.14	<0.01	0.013	0.09	6.8	11.1	0.42	560	27.7	0.11
205729		1.18	212	1.93	4.01	0.06	0.17	<0.01	0.014	0.08	7.0	10.4	0.42	371	23.6	0.09
205730		1.22	3520	4.82	6.23	0.10	0.07	0.18	0.080	0.23	10.1	11.1	1.34	653	449	0.09
205731		1.12	209	1.71	3.81	0.05	0.15	0.01	0.017	0.08	7.1	11.7	0.40	448	8.46	0.09
205732		0.92	84.9	1.63	3.20	0.06	0.24	<0.01	0.010	0.08	6.4	8.2	0.32	293	46.1	0.12
205733		1.55	212	1.81	3.75	0.07	0.23	<0.01	0.009	0.15	5.5	12.1	0.41	174	30.3	0.11
205734		3.50	560	2.53	4.99	0.08	0.20	<0.01	0.013	0.31	5.7	19.1	0.63	195	9.04	0.11
205735		2.53	413	2.46	4.63	0.08	0.23	<0.01	0.013	0.23	6.3	13.7	0.51	194	18.10	0.13
205736		0.71	79.6	2.11	3.18	0.08	0.28	<0.01	0.007	0.08	7.1	8.4	0.23	189	8.29	0.11
205737		0.82	207	2.22	3.47	<0.05	0.24	<0.01	<0.005	0.10	5.6	9.4	0.26	209	8.99	0.09
205738		0.59	212	1.71	3.13	<0.05	0.22	<0.01	<0.005	0.09	5.1	4.8	0.24	174	14.80	0.11



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Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10068723

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units LOR	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205704		0.20	1.7	580	2.9	1.8	0.001	<0.01	0.42	3.0	<0.2	0.8	67.7	<0.01	0.01	2.7
205705		0.13	2.3	610	5.5	4.9	<0.001	<0.01	0.81	3.2	<0.2	0.6	81.2	<0.01	<0.01	3.4
205706		<0.05	2.4	590	38.6	5.8	0.001	0.04	2.10	4.4	0.3	0.3	81.9	<0.01	0.01	3.0
205707		0.07	2.6	620	11.8	4.1	0.018	0.01	1.46	4.8	0.2	0.5	96.5	<0.01	<0.01	3.0
205708		0.19	2.8	670	11.6	3.0	0.001	0.05	0.49	3.6	0.3	0.5	89.1	<0.01	0.02	2.6
205709		0.11	2.3	660	3.4	11.0	0.002	0.20	1.12	4.0	0.6	0.6	106.5	<0.01	0.10	2.4
205710		0.13	19.4	720	22.5	27.6	0.040	1.86	6.68	7.2	3.0	1.8	71.5	<0.01	0.32	11.6
205711		0.21	3.1	690	1.9	22.5	0.096	0.18	0.93	3.9	1.6	0.5	137.0	<0.01	0.14	3.4
205712		0.19	2.5	700	2.2	29.5	0.003	0.15	0.48	3.9	0.6	0.5	69.2	<0.01	0.07	3.3
205713		0.22	2.0	660	18.6	3.4	0.001	0.02	0.99	2.5	0.2	0.6	103.5	<0.01	<0.01	2.7
205714		0.13	2.3	640	5.0	2.3	<0.001	0.01	0.50	4.1	<0.2	0.5	103.0	<0.01	<0.01	2.4
205715		0.11	2.9	600	4.9	3.0	<0.001	0.01	0.83	3.8	<0.2	0.6	106.0	<0.01	<0.01	2.5
205716		0.13	2.1	660	6.3	2.1	<0.001	0.01	0.46	4.0	<0.2	0.6	202	<0.01	<0.01	2.8
205717		0.22	2.1	630	32.2	7.0	0.002	0.02	1.46	2.4	0.2	0.5	85.7	<0.01	0.02	2.8
205718		0.19	2.2	650	5.7	2.6	0.001	<0.01	0.61	2.9	<0.2	0.7	149.5	<0.01	0.01	2.8
205719		0.08	2.2	620	13.0	2.0	0.002	0.01	0.55	3.9	<0.2	0.6	207	<0.01	0.01	4.2
205720		2.33	123.5	1300	0.7	11.1	<0.001	0.02	0.05	8.1	0.2	0.9	155.5	0.05	<0.01	1.5
205721		0.18	2.9	560	15.9	2.0	0.003	0.02	0.87	3.1	0.3	0.6	142.5	0.01	0.02	3.9
205722		0.09	3.2	550	24.5	2.2	0.004	0.01	0.43	2.9	0.2	0.5	107.5	<0.01	<0.01	2.7
205723		0.35	2.0	570	29.8	2.5	0.009	0.01	0.68	1.8	0.3	0.6	53.2	<0.01	0.01	5.7
205724		0.36	1.8	610	5.3	4.0	0.004	0.02	0.31	1.6	0.2	0.6	48.5	<0.01	0.02	4.6
205725		0.22	2.0	610	7.7	6.7	0.002	0.02	0.61	2.3	<0.2	0.6	59.5	<0.01	0.01	3.5
205726		0.18	2.5	630	15.8	2.6	0.007	<0.01	0.79	2.8	<0.2	0.7	74.7	<0.01	<0.01	3.4
205727		0.13	2.3	630	6.5	3.9	0.002	<0.01	0.77	3.6	<0.2	0.6	62.5	<0.01	<0.01	3.4
205728		0.11	2.8	590	74.9	6.3	0.028	0.01	0.51	3.4	0.3	0.5	68.7	<0.01	0.01	4.1
205729		0.13	2.3	570	21.0	5.7	0.010	0.02	0.90	2.9	<0.2	0.4	50.3	<0.01	0.04	3.7
205730		0.05	23.2	1220	10.4	10.7	0.072	1.96	5.02	8.2	6.2	0.9	143.5	<0.01	0.18	1.5
205731		0.14	2.1	600	16.4	5.5	0.004	0.03	0.81	2.9	0.2	0.4	61.4	<0.01	0.03	3.7
205732		0.27	2.5	550	8.1	4.0	0.062	0.01	0.25	2.1	0.3	0.6	51.3	<0.01	0.04	4.7
205733		0.28	2.4	560	5.7	16.8	0.059	0.04	0.24	2.3	0.2	0.5	459	<0.01	0.02	4.1
205734		0.23	2.3	620	6.9	30.1	0.003	0.06	0.23	3.6	0.2	0.4	160.0	<0.01	0.04	3.9
205735		0.22	2.4	620	2.9	29.3	0.008	0.05	0.14	3.2	0.2	0.6	225	<0.01	0.03	4.4
205736		0.32	2.1	560	2.8	6.1	0.005	0.01	0.15	1.8	<0.2	0.7	69.9	<0.01	0.01	5.5
205737		0.27	1.8	580	2.8	8.8	0.006	<0.01	0.18	1.7	0.3	0.6	39.0	<0.01	0.01	4.1
205738		0.25	1.8	570	2.3	6.5	0.014	0.01	0.30	1.9	0.4	0.5	103.0	<0.01	0.02	3.3



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CERTIFICATE OF ANALYSIS VA10068723

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205704		0.101	0.02	1.92	29	0.11	6.57	27	4.3
205705		0.056	0.03	1.88	36	0.24	8.16	117	3.6
205706		<0.005	0.03	1.36	55	0.18	9.65	143	1.4
205707		0.034	0.03	2.34	41	0.21	9.17	144	3.0
205708		0.084	0.02	2.27	69	0.22	8.67	48	5.0
205709		0.055	0.05	1.68	66	0.17	10.05	23	4.4
205710		0.036	0.33	4.70	60	2.95	11.65	66	4.2
205711		0.099	0.08	2.73	68	0.18	9.33	13	4.8
205712		0.106	0.11	2.00	79	0.12	7.95	14	5.1
205713		0.096	0.02	1.96	55	0.12	7.79	25	4.9
205714		0.060	0.02	2.81	26	<0.05	7.30	64	3.6
205715		0.052	0.03	2.88	29	<0.05	7.65	130	3.5
205716		0.076	<0.02	2.88	32	<0.05	8.62	53	4.4
205717		0.084	0.03	2.21	52	0.06	6.41	18	4.2
205718		0.081	<0.02	2.30	52	0.05	7.58	16	4.6
205719		0.042	<0.02	2.41	34	0.07	7.19	24	4.1
205720		0.595	<0.02	0.50	96	0.13	8.83	50	35.1
205721		0.050	<0.02	2.08	46	0.10	7.29	21	4.4
205722		0.032	<0.02	8.99	39	0.08	11.75	83	3.5
205723		0.084	<0.02	2.89	53	0.10	6.82	39	4.9
205724		0.101	0.02	2.45	57	0.12	6.79	13	4.4
205725		0.100	0.03	1.96	50	0.12	6.57	11	3.9
205726		0.100	0.02	1.93	39	0.14	6.82	27	3.9
205727		0.054	0.04	2.03	37	0.17	7.19	83	2.5
205728		0.039	0.04	2.23	44	0.16	7.65	72	2.9
205729		0.040	0.03	2.29	54	0.25	7.23	55	3.1
205730		0.007	0.10	0.53	93	3.92	14.20	66	2.3
205731		0.041	0.03	1.95	53	0.24	7.35	71	2.8
205732		0.087	0.02	2.64	60	0.19	6.39	51	4.2
205733		0.107	0.06	2.30	60	0.23	6.48	21	3.6
205734		0.125	0.13	1.78	75	0.18	6.72	27	3.0
205735		0.113	0.09	2.24	73	0.15	7.27	13	3.9
205736		0.090	0.02	2.81	63	0.22	6.27	13	4.3
205737		0.081	0.03	2.38	63	0.28	5.56	13	3.8
205738		0.083	0.02	2.13	55	0.27	5.87	8	4.2



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Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10068723

CERTIFICATE COMMENTS

Method

ME-MS41

Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).

ME-MS41

Interference: Mo>400ppm on ICP-MS Cd, ICP-AES results shown.



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Finalized Date: 15-JUN-2010
Account: GOFICA

CERTIFICATE VA10070337

Project: Woodjam North

P.O. No.: WJN-2010-29

This report is for 138 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 1-JUN-2010.

The following have access to data associated with this certificate:

BLAIRD
JULIANNE MADSEN

NATE BREWER
ROSS SHERLOCK

JOHN HERTEL
TWILA SKINNER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS41	51 anal. aqua regia ICPMS	

To: **GOLD FIELDS HORSEFLY EXPLORATION INC.**
ATTN: JULIANNE MADSEN
1155 ROBSON STREET, SUITE 400
VANCOUVER BC V6E 1B5

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 VA10070337

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt. kg	Au ppm	Au Check ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm
205739		4.96	0.560		2.45	0.79	9.2	0.6	<10	130	0.12	0.39	0.44	0.11	14.40	4.9
205740		0.26	0.002		0.06	1.84	1.1	<0.2	<10	50	1.01	0.02	2.06	0.06	26.1	32.3
205741		4.44	0.244		1.52	0.76	2.8	0.2	<10	160	0.10	0.55	0.80	0.05	13.50	4.8
205742		2.80	0.101		0.77	0.72	1.7	<0.2	<10	130	0.05	0.11	0.47	0.04	12.55	4.2
205743		4.12	0.238		1.37	0.86	1.5	0.3	<10	130	0.12	0.29	0.63	0.03	15.00	5.2
205744		4.18	0.037		0.12	0.66	3.2	<0.2	<10	60	0.10	0.04	0.89	0.02	12.75	1.6
205745		4.18	0.045		0.14	0.72	2.4	<0.2	<10	70	0.13	0.05	0.91	0.01	12.65	2.0
205746		4.44	0.076		0.26	0.70	2.2	<0.2	<10	80	<0.05	0.16	0.80	0.03	11.35	2.7
205747		4.22	0.042		0.12	0.56	1.7	<0.2	<10	110	0.09	0.08	0.94	0.02	13.10	1.2
205748		4.14	0.087		0.42	0.75	2.1	0.2	<10	90	0.10	0.11	0.83	0.02	13.50	3.2
205749		4.24	0.007		0.03	0.60	2.8	<0.2	<10	50	0.09	0.02	0.91	0.03	10.85	0.7
205750		0.14	1.085		1.97	2.21	10.2	1.0	<10	120	0.15	0.41	1.35	1.38	6.84	29.0
205751		4.28	0.001		0.02	0.55	3.3	<0.2	<10	30	0.11	0.01	1.48	0.04	12.05	0.9
205752		4.34	0.035		0.18	0.66	1.8	<0.2	<10	70	0.10	0.06	0.68	0.02	13.25	4.1
205753		3.68	0.041		0.28	0.68	1.4	<0.2	<10	90	0.06	0.07	0.57	0.04	12.60	4.3
205754		4.16	0.049		0.35	0.69	5.1	<0.2	<10	90	0.09	0.06	0.86	0.07	13.80	4.9
205755		3.52	0.029		0.16	0.67	12.9	<0.2	<10	90	0.12	0.05	0.79	0.05	12.40	4.2
205756		4.44	0.072		0.56	0.72	1.7	<0.2	<10	90	0.07	0.09	0.74	0.04	15.35	5.2
205757		4.38	0.088		0.53	0.77	1.0	<0.2	<10	120	0.06	0.09	0.68	0.04	12.75	4.6
205758		4.36	0.069		0.53	0.74	2.0	<0.2	<10	110	0.06	0.09	0.75	0.05	12.95	4.6
205759		4.82	0.111		0.68	0.71	1.4	<0.2	<10	110	<0.05	0.16	0.73	0.04	13.30	4.8
205760		0.28	0.003		0.02	2.00	0.8	<0.2	<10	40	0.96	0.01	2.12	0.08	28.5	32.1
205761		4.50	0.105		0.41	0.72	1.4	<0.2	<10	140	0.07	0.10	0.94	0.05	12.50	4.0
205762		4.76	0.097		0.72	0.78	1.4	0.5	<10	110	0.10	0.15	0.96	0.06	15.75	5.3
205763		4.06	0.175		0.97	0.80	1.7	0.4	<10	120	0.10	0.17	0.83	0.07	14.35	4.9
205764		4.38	0.122		0.70	0.73	1.2	0.2	<10	110	<0.05	0.14	0.81	0.05	12.60	4.7
205765		4.24	0.132		0.67	0.82	1.1	<0.2	<10	120	0.07	0.12	0.68	0.05	14.35	5.4
205766		4.14	0.083		0.50	0.81	1.2	0.2	<10	120	0.07	0.10	0.77	0.04	15.30	5.5
205767		4.32	0.189		1.06	0.88	1.4	<0.2	<10	140	0.10	0.25	0.91	0.05	16.25	5.6
205768		4.12	0.120		0.73	0.72	1.2	<0.2	<10	110	0.09	0.12	0.58	0.05	15.25	5.1
205769		4.02	0.099		0.69	0.72	1.9	<0.2	<10	100	0.09	0.08	0.94	0.05	13.45	3.3
205770		0.16	0.199		2.10	1.46	27.3	<0.2	<10	100	0.53	2.21	1.82	0.85	37.3	18.4
205771		4.06	0.036		0.27	0.85	3.8	<0.2	<10	80	0.12	0.07	1.48	0.05	12.30	2.8
205772		4.20	0.064		0.42	0.73	2.6	<0.2	<10	130	0.05	0.08	0.97	0.05	12.60	3.0
205773		4.50	0.101	0.164	0.74	0.83	2.6	<0.2	<10	160	0.12	0.14	0.76	0.04	15.25	4.3
205774		2.78	0.096	0.103	0.68	0.79	1.9	<0.2	<10	100	0.13	0.14	0.71	0.03	14.70	4.6
205775		5.22	<0.001	0.004	0.03	0.69	3.3	<0.2	<10	110	0.14	0.01	1.45	0.04	12.95	1.0
205776		6.98	<0.001		0.07	0.54	4.3	<0.2	<10	60	0.16	0.01	1.49	0.03	9.36	0.6
205777		6.62	<0.001		0.03	0.53	4.1	<0.2	<10	50	0.16	0.01	1.00	0.02	9.31	0.5
205778		6.82	0.005		0.03	0.73	4.5	<0.2	<10	60	0.23	0.11	2.86	0.03	18.95	2.2



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Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10070337

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		1	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
205739		6	0.63	5330	1.69	4.09	0.14	0.21	0.01	0.017	0.20	6.9	8.5	0.48	169	1.31
205740		24	0.14	64.6	3.32	8.06	0.27	0.63	0.06	0.028	0.45	12.3	3.9	2.86	540	1.86
205741		6	0.58	3000	2.00	4.19	0.13	0.23	0.03	0.010	0.15	6.6	9.0	0.46	234	0.85
205742		7	0.44	1760	2.13	3.66	0.11	0.22	0.04	0.009	0.18	6.3	7.6	0.41	199	0.57
205743		7	0.46	3570	2.04	3.75	<0.05	0.23	<0.01	0.011	0.19	6.9	9.5	0.50	196	0.62
205744		4	0.37	395	0.63	2.13	<0.05	0.20	<0.01	0.009	0.04	5.5	4.6	0.23	117	1.24
205745		4	0.40	390	0.83	2.45	<0.05	0.21	<0.01	0.006	0.06	5.7	5.6	0.24	125	1.00
205746		5	0.33	1080	1.21	2.91	0.10	0.21	0.01	0.011	0.08	5.6	6.4	0.35	151	0.45
205747		4	0.27	546	0.57	1.70	<0.05	0.22	<0.01	0.005	0.04	5.5	2.7	0.18	102	0.43
205748		6	0.36	1235	1.38	2.93	<0.05	0.22	<0.01	0.007	0.11	5.9	5.8	0.32	143	0.45
205749		3	0.51	90.9	0.33	1.61	<0.05	0.26	<0.01	0.005	0.03	4.4	2.2	0.16	81	0.45
205750		56	0.89	5220	4.64	6.16	0.07	0.13	0.10	0.161	0.25	3.0	10.5	1.32	379	249
205751		4	0.96	17.9	0.38	1.58	<0.05	0.27	<0.01	0.008	0.04	5.1	2.9	0.18	247	1.34
205752		6	0.47	528	1.86	3.10	<0.05	0.24	<0.01	0.006	0.12	6.0	6.4	0.30	188	1.34
205753		7	0.40	644	2.05	3.75	0.12	0.26	0.01	0.007	0.14	6.2	5.8	0.35	203	0.55
205754		6	0.45	669	2.22	4.08	0.12	0.24	0.03	0.007	0.15	6.6	5.4	0.32	264	0.57
205755		6	0.58	401	2.17	3.58	0.09	0.24	0.03	0.007	0.14	6.3	4.1	0.28	222	0.55
205756		11	0.58	1110	2.21	4.45	0.12	0.29	0.03	0.008	0.18	7.6	7.7	0.43	262	0.60
205757		6	0.50	1430	2.11	3.69	0.11	0.21	0.02	0.005	0.27	6.0	7.4	0.49	248	0.65
205758		7	0.47	1225	2.27	3.78	0.10	0.26	0.01	0.006	0.22	6.1	6.8	0.42	245	0.72
205759		7	0.43	1815	2.12	3.98	0.11	0.26	0.02	0.007	0.18	6.5	10.4	0.46	225	0.70
205760		22	0.07	39.4	3.48	8.24	0.23	0.44	0.06	0.026	0.30	12.6	4.0	3.10	580	2.02
205761		7	0.40	1220	1.94	3.46	0.11	0.26	0.02	0.007	0.18	6.0	8.2	0.38	258	0.53
205762		7	0.58	1580	2.24	4.45	0.12	0.31	0.02	0.009	0.25	7.4	10.4	0.50	278	0.79
205763		6	0.53	2270	2.09	4.08	0.11	0.33	0.01	0.007	0.21	7.1	8.7	0.52	257	0.61
205764		6	0.51	1705	1.88	3.79	0.10	0.22	0.04	0.008	0.27	6.5	7.2	0.50	245	0.63
205765		7	0.54	1655	2.27	4.53	0.12	0.18	0.02	0.008	0.29	6.8	9.4	0.54	222	0.46
205766		7	0.55	1230	2.42	4.68	0.13	0.25	0.02	0.006	0.28	7.3	8.9	0.49	236	0.58
205767		6	0.57	2680	2.09	4.58	0.13	0.23	0.02	0.011	0.31	7.6	9.4	0.56	280	1.01
205768		6	0.61	1480	2.06	4.46	0.11	0.26	0.03	0.008	0.24	7.2	7.0	0.42	226	1.10
205769		7	0.50	1155	1.42	3.30	0.10	0.27	<0.01	0.005	0.13	6.6	6.8	0.44	272	1.03
205770		64	1.92	1875	3.99	5.66	0.14	0.14	0.12	0.072	0.49	21.2	8.4	0.84	355	157.0
205771		5	0.92	538	1.22	3.75	0.09	0.19	<0.01	0.007	0.08	5.9	6.3	0.39	326	2.92
205772		5	0.50	988	1.51	3.24	0.09	0.24	<0.01	0.007	0.11	6.2	5.0	0.35	277	0.60
205773		6	0.56	1605	1.87	3.58	0.09	0.23	<0.01	0.009	0.17	7.4	6.9	0.38	249	0.61
205774		6	0.45	1350	2.08	3.97	0.12	0.26	0.01	0.008	0.13	7.1	7.1	0.38	216	0.98
205775		4	1.16	15.9	0.42	2.19	0.10	0.34	0.01	0.009	0.04	5.9	3.7	0.20	204	0.35
205776		4	0.87	15.4	0.32	1.75	0.07	0.29	<0.01	0.005	0.03	4.1	3.2	0.17	251	0.37
205777		5	1.24	12.8	0.28	1.69	0.06	0.30	<0.01	0.005	0.04	4.1	3.4	0.19	156	0.36
205778		3	1.61	10.3	0.78	3.19	0.08	0.20	<0.01	0.034	0.11	10.0	7.1	0.31	902	0.26



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		Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm
		0.01	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
205739		0.09	0.20	2.7	610	1.9	14.3	0.001	0.10	8.15	4.1	4.2	0.3	44.7	<0.01	0.38
205740		0.78	1.87	120.0	1200	0.7	12.6	0.003	0.04	0.09	7.5	0.9	0.7	136.0	0.02	<0.01
205741		0.10	0.18	2.6	660	3.0	10.5	0.003	0.15	0.75	3.2	3.8	0.2	109.0	0.01	0.32
205742		0.11	0.18	1.8	640	1.9	11.5	0.001	0.10	0.19	2.8	2.2	0.2	69.7	<0.01	0.11
205743		0.13	0.18	2.8	650	2.0	11.2	0.001	0.20	0.25	3.4	4.3	0.3	117.0	<0.01	0.18
205744		0.13	0.24	1.5	660	1.2	2.6	0.003	0.03	0.43	1.7	0.8	0.3	144.0	<0.01	0.03
205745		0.12	0.25	1.5	650	1.3	3.5	0.002	0.03	0.49	1.8	0.6	0.3	135.0	<0.01	0.02
205746		0.12	0.19	1.7	630	1.5	4.6	<0.001	0.10	0.30	2.3	2.0	<0.2	81.9	<0.01	0.06
205747		0.16	0.24	1.1	680	1.1	2.4	0.001	0.04	0.13	1.7	0.8	0.3	171.5	<0.01	0.03
205748		0.15	0.25	2.0	660	1.6	5.6	<0.001	0.08	0.29	2.4	1.4	0.3	118.5	<0.01	0.07
205749		0.16	0.30	0.9	680	1.8	1.9	0.001	0.01	0.20	1.5	0.2	0.3	129.5	<0.01	0.01
205750		0.14	0.24	40.1	650	22.3	9.2	0.395	2.16	7.70	7.0	4.0	2.2	43.6	0.01	0.20
205751		0.14	0.27	1.1	680	1.9	3.2	0.003	0.01	0.24	1.8	0.2	0.4	85.0	<0.01	<0.01
205752		0.12	0.22	1.8	660	2.1	6.7	0.002	0.03	0.21	2.2	0.5	0.4	91.6	<0.01	0.03
205753		0.14	0.18	1.9	640	1.8	8.6	<0.001	0.05	0.11	2.4	1.1	<0.2	62.9	<0.01	0.03
205754		0.13	0.16	1.9	650	2.6	10.4	0.001	0.05	0.12	2.9	1.0	<0.2	52.1	<0.01	0.02
205755		0.13	0.13	1.7	660	1.9	8.2	0.003	0.04	0.13	2.6	0.7	<0.2	56.0	<0.01	0.01
205756		0.12	0.17	2.3	670	2.0	13.2	0.001	0.07	0.10	3.6	1.4	<0.2	52.9	<0.01	0.05
205757		0.14	0.14	1.9	630	1.6	16.8	<0.001	0.09	0.05	3.2	1.4	<0.2	39.8	<0.01	0.06
205758		0.14	0.12	2.0	650	1.9	13.7	0.001	0.08	0.11	2.9	1.3	<0.2	48.7	<0.01	0.06
205759		0.12	0.11	2.1	650	2.3	12.1	0.002	0.11	0.23	3.1	2.0	<0.2	49.8	<0.01	0.10
205760		1.05	1.61	124.0	1330	0.5	6.2	0.002	0.04	<0.05	6.4	1.0	0.7	158.0	0.02	0.02
205761		0.14	0.15	1.9	680	1.8	11.6	0.001	0.08	0.69	2.8	1.4	<0.2	78.4	0.01	0.08
205762		0.14	0.13	2.4	670	2.6	16.8	0.003	0.09	0.11	3.6	1.8	0.2	49.1	<0.01	0.07
205763		0.13	0.12	2.4	640	2.4	13.9	0.001	0.13	0.13	3.2	2.4	0.3	62.7	<0.01	0.13
205764		0.11	0.12	2.0	540	2.2	17.3	0.002	0.10	0.08	3.4	1.8	0.3	43.7	<0.01	0.08
205765		0.13	0.13	2.2	600	1.8	19.1	0.002	0.09	0.05	3.5	1.9	0.3	47.3	<0.01	0.08
205766		0.15	0.14	2.3	610	2.4	19.2	0.001	0.07	0.07	3.6	1.5	0.4	51.4	<0.01	0.07
205767		0.14	0.15	2.2	600	2.4	21.6	0.001	0.15	0.09	4.3	3.2	0.4	60.1	<0.01	0.21
205768		0.14	0.16	2.1	600	2.3	17.9	0.003	0.09	0.09	3.4	1.8	0.3	49.7	<0.01	0.08
205769		0.12	0.11	2.0	610	2.1	8.0	0.003	0.07	0.36	2.9	1.4	0.2	63.4	<0.01	0.06
205770		0.06	0.14	17.6	700	21.7	36.4	0.041	1.88	6.60	7.0	4.1	1.8	68.3	0.01	0.38
205771		0.10	0.14	2.0	590	2.6	5.5	0.009	0.04	0.92	3.2	1.0	<0.2	92.0	0.01	0.02
205772		0.13	0.15	1.6	620	1.7	6.9	0.002	0.06	0.47	2.5	1.1	<0.2	94.0	<0.01	0.04
205773		0.16	0.14	2.0	620	3.0	9.6	0.001	0.11	0.34	3.0	1.2	0.6	94.2	<0.01	0.07
205774		0.16	0.09	2.1	650	2.6	7.1	0.002	0.10	0.25	2.8	1.0	0.6	64.4	<0.01	0.07
205775		0.19	0.25	1.1	720	2.5	2.7	<0.001	0.04	0.37	3.1	0.2	0.8	108.0	0.01	<0.01
205776		0.18	0.24	0.7	700	3.2	2.0	0.001	0.06	0.29	2.1	<0.2	0.7	73.1	<0.01	0.01
205777		0.18	0.22	0.8	640	2.6	2.5	0.001	0.06	0.31	1.9	<0.2	0.6	64.4	<0.01	0.01
205778		0.10	0.08	1.9	590	4.3	6.6	0.001	0.06	1.66	3.2	0.2	0.5	89.1	<0.01	0.40



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	Analyte	Th	Ti	TI	U	V	W	Y	Zn	Zr
	Units LOR	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	0.005	0.02	0.05	1	0.05	0.05	2	0.5
205739		2.2	0.096	0.06	1.20	66	0.06	7.45	13	3.6
205740		1.2	0.502	<0.02	0.39	86	0.13	7.66	42	37.2
205741		2.1	0.089	0.04	0.87	68	0.09	7.97	18	4.0
205742		2.5	0.102	0.04	0.95	73	0.05	5.94	20	3.6
205743		3.0	0.115	0.05	1.10	69	<0.05	7.25	18	3.8
205744		2.3	0.099	<0.02	0.79	31	<0.05	6.84	6	3.7
205745		2.2	0.095	0.02	0.90	35	0.05	6.57	7	3.6
205746		2.1	0.103	<0.02	0.81	48	0.07	5.92	9	3.5
205747		2.4	0.110	<0.02	0.72	37	<0.05	7.86	4	3.7
205748		2.9	0.113	0.02	0.89	55	0.06	7.39	9	3.8
205749		2.5	0.104	<0.02	0.95	31	<0.05	7.06	4	4.0
205750		0.7	0.164	0.40	0.29	80	14.45	7.72	196	3.6
205751		2.3	0.106	0.02	1.17	32	0.05	8.39	9	4.3
205752		2.6	0.102	0.03	0.88	62	0.05	6.63	13	3.9
205753		2.5	0.099	0.02	0.74	67	0.05	6.69	15	4.2
205754		2.1	0.083	0.03	0.71	70	0.06	7.65	23	4.5
205755		2.8	0.074	0.03	0.83	68	<0.05	6.12	17	4.0
205756		3.2	0.096	0.05	0.88	74	0.06	8.30	20	4.5
205757		2.3	0.108	0.05	0.54	70	<0.05	6.77	19	3.6
205758		2.1	0.098	0.04	0.99	73	<0.05	6.74	20	4.5
205759		2.2	0.090	0.04	0.66	69	<0.05	7.00	16	4.2
205760		1.2	0.479	<0.02	0.42	88	0.12	8.24	44	27.1
205761		2.0	0.101	0.04	0.64	68	<0.05	6.64	14	5.0
205762		3.9	0.107	0.06	1.08	75	<0.05	8.80	21	5.4
205763		3.6	0.092	0.05	0.72	68	<0.05	8.14	21	5.9
205764		2.8	0.091	0.06	0.69	61	<0.05	7.38	19	4.4
205765		2.0	0.101	0.06	0.49	71	<0.05	7.34	17	3.7
205766		1.8	0.103	0.07	0.54	74	<0.05	8.51	18	4.9
205767		2.0	0.103	0.08	0.86	67	<0.05	9.72	19	4.7
205768		2.4	0.095	0.06	0.74	65	0.05	7.72	21	4.8
205769		2.2	0.081	0.02	0.90	48	<0.05	7.19	18	4.6
205770		9.5	0.037	0.32	3.77	56	2.78	10.85	63	4.5
205771		1.7	0.061	<0.02	1.15	38	<0.05	8.33	22	4.1
205772		2.2	0.085	0.02	0.84	50	<0.05	6.86	16	4.2
205773		2.5	0.085	0.04	1.08	59	0.05	7.83	27	4.2
205774		3.0	0.078	0.03	1.07	65	<0.05	7.75	22	4.8
205775		2.7	0.093	<0.02	1.23	36	0.06	9.00	14	7.0
205776		2.4	0.093	0.02	1.06	33	0.11	7.19	15	5.4
205777		2.3	0.102	0.02	1.13	33	0.05	7.28	18	5.6
205778		2.6	0.037	0.05	2.05	44	0.06	10.80	36	4.3



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To: GOLD FIELDS HORSEFLY EXPLORATION INC.

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Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10070337

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt. kg	Au ppm	Au Check ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm
205779		4.96	0.006		0.07	0.85	5.0	<0.2	<10	70	0.16	0.04	1.37	0.16	14.05	2.2
205780		0.32	<0.001		0.03	2.09	0.2	<0.2	<10	60	0.97	<0.01	2.25	0.05	33.1	34.9
205781		5.22	<0.001		0.01	0.63	3.1	<0.2	<10	30	0.17	0.06	1.41	0.01	12.65	1.3
205782		4.16	0.014		0.02	0.76	3.1	<0.2	<10	60	0.19	0.01	1.42	0.03	10.90	1.5
205783		4.26	0.080		0.37	0.65	2.9	<0.2	<10	70	0.15	0.09	0.70	0.05	15.50	3.2
205784		6.14	0.049		0.07	0.51	5.7	<0.2	<10	50	0.12	0.05	0.81	0.08	10.85	1.3
205785		6.46	<0.001		0.02	0.64	5.6	<0.2	<10	80	0.15	0.01	1.37	0.11	11.75	0.8
205786		6.16	<0.001		0.03	0.70	7.5	<0.2	<10	100	0.15	0.01	1.38	0.06	10.95	0.6
205787		6.48	0.001		0.13	0.63	7.5	<0.2	<10	30	0.31	0.09	2.33	0.14	16.00	2.2
205788		6.36	<0.001		0.07	0.62	8.4	<0.2	<10	60	0.22	0.08	1.57	0.04	15.65	1.7
205789		6.50	<0.001		0.05	0.54	8.5	<0.2	<10	40	0.18	0.02	1.08	0.03	10.50	0.6
205790		0.14	0.263		2.15	1.46	48.2	0.2	<10	100	0.47	0.33	4.31	1.49	19.25	20.4
205791		6.56	<0.001		0.06	0.61	8.5	<0.2	<10	30	0.14	0.01	0.96	0.06	11.20	0.5
205792		6.82	<0.001		0.03	0.71	9.3	<0.2	<10	50	0.14	0.02	1.15	0.05	10.95	0.6
205793		6.88	<0.001		0.13	0.61	9.5	<0.2	<10	40	0.14	0.02	0.96	0.07	9.65	0.4
205794		7.00	<0.001		0.18	0.70	9.9	<0.2	<10	50	0.13	0.04	1.42	0.10	9.50	1.0
205795		6.70	<0.001		0.09	0.65	6.6	<0.2	<10	60	0.16	0.03	1.83	0.09	11.30	1.4
205796		6.40	<0.001		0.08	0.57	5.2	<0.2	<10	60	0.13	0.02	1.18	0.02	11.25	1.1
205797		6.80	<0.001		0.04	0.62	6.9	<0.2	<10	50	0.13	0.02	0.99	0.04	11.55	0.8
205798		6.58	<0.001		0.08	0.51	6.4	<0.2	<10	30	0.13	0.02	1.22	0.03	10.20	0.5
205799		6.34	0.004		0.04	0.65	3.5	<0.2	<10	50	0.15	0.03	1.05	0.01	12.85	0.8
205800		0.30	<0.001		0.02	1.88	0.4	<0.2	<10	70	0.81	<0.01	2.22	0.04	25.0	30.3
205801		6.82	<0.001		0.02	0.64	4.2	<0.2	<10	70	0.14	0.03	0.97	0.01	11.40	0.8
205802		3.46	0.006		0.05	0.59	5.9	<0.2	<10	70	0.12	0.02	0.69	0.02	11.55	2.9
205803		4.72	0.019		0.06	0.56	5.2	<0.2	<10	70	0.14	0.04	0.70	0.02	11.95	3.7
205804		6.06	0.001		0.01	0.73	4.7	<0.2	<10	50	0.14	0.05	1.27	0.01	13.95	1.4
205805		6.94	0.001		0.07	0.71	9.5	<0.2	<10	50	0.17	0.06	1.48	0.04	12.80	1.6
205806		2.48	<0.001		0.05	0.74	6.9	<0.2	<10	100	0.20	0.05	1.66	0.03	16.45	2.3
205807		5.52	0.032		0.23	0.63	16.1	<0.2	<10	80	0.11	0.08	0.82	0.04	13.55	3.9
205808		6.90	0.001		0.02	0.92	6.2	<0.2	<10	30	0.15	0.05	1.37	<0.01	13.95	1.7
205809		4.74	0.004		0.03	0.69	5.8	<0.2	<10	60	0.12	0.04	0.96	0.02	12.70	1.8
205810		0.14	0.200		2.18	1.58	29.5	<0.2	<10	110	0.44	1.98	1.81	0.96	38.8	17.7
205811		3.36	0.027		0.09	0.75	10.8	<0.2	<10	140	0.09	0.06	0.83	0.04	12.65	4.4
205812		3.86	0.062		0.09	0.80	25.5	<0.2	<10	180	0.12	0.05	0.94	0.04	11.95	3.2
205813		4.48	<0.001		0.02	0.75	7.2	<0.2	<10	120	0.11	0.02	1.02	0.02	10.15	0.7
205814		5.56	0.001		0.03	0.94	8.7	<0.2	<10	80	0.14	0.03	1.00	0.02	11.75	1.6
205815		2.98	0.019		0.14	0.59	3.2	<0.2	<10	130	0.09	0.05	0.75	0.04	11.80	4.6
205816		4.24	0.017		0.09	0.66	4.1	<0.2	<10	130	0.10	0.04	0.78	0.04	13.10	4.0
205817		5.02	<0.001		0.02	0.54	3.0	<0.2	<10	70	0.07	0.01	0.70	0.02	11.60	2.3
205818		5.90	<0.001		0.03	0.57	3.9	<0.2	<10	40	0.09	0.01	0.96	0.03	10.85	1.3



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 Finalized Date: 15-JUN-2010
 Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10070337

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cr ppm	Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm
		1	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
205779		4	1.39	43.6	0.81	3.68	0.14	0.28	0.01	0.012	0.04	7.0	8.5	0.41	330	0.32
205780		30	0.12	27.7	4.02	8.62	0.24	0.56	0.01	0.038	0.49	15.3	3.9	3.26	623	2.24
205781		4	1.42	6.8	0.45	2.79	0.06	0.21	0.01	0.015	0.05	5.6	10.4	0.38	217	0.23
205782		4	1.15	12.7	0.53	2.77	0.06	0.23	<0.01	0.011	0.05	4.7	10.5	0.38	183	0.27
205783		5	0.65	809	1.26	3.23	0.13	0.32	<0.01	0.008	0.09	7.5	5.8	0.30	145	1.23
205784		5	0.55	288	0.70	2.09	0.08	0.36	<0.01	0.005	0.07	4.9	2.9	0.17	137	3.85
205785		3	0.86	12.3	0.38	2.02	0.07	0.31	<0.01	0.007	0.03	5.2	2.1	0.14	193	1.85
205786		4	1.07	9.4	0.39	2.21	0.07	0.28	<0.01	0.006	0.04	4.9	2.8	0.14	190	0.40
205787		3	1.61	12.2	0.55	2.36	<0.05	0.16	0.01	0.024	0.13	7.3	5.9	0.22	704	1.07
205788		4	1.51	8.3	0.60	2.47	0.06	0.26	<0.01	0.025	0.07	7.1	5.5	0.22	359	0.36
205789		4	0.94	10.2	0.29	1.79	0.07	0.25	<0.01	0.005	0.03	4.4	2.6	0.14	129	0.42
205790		25	1.10	3440	4.88	6.25	0.15	0.10	0.22	0.074	0.22	10.0	12.2	1.34	654	460
205791		4	0.80	14.8	0.29	1.86	0.07	0.33	<0.01	0.005	0.03	4.7	2.2	0.13	104	0.81
205792		4	0.93	13.4	0.36	2.17	0.09	0.31	<0.01	0.006	0.03	4.7	2.3	0.14	115	2.36
205793		4	0.77	18.3	0.30	1.77	0.08	0.29	<0.01	<0.005	0.03	4.0	2.2	0.14	92	0.57
205794		4	1.07	17.5	0.45	2.55	0.06	0.20	0.01	0.015	0.06	4.2	6.8	0.29	233	0.64
205795		5	0.99	8.7	0.52	2.72	0.06	0.24	<0.01	0.013	0.05	5.0	8.2	0.35	369	0.39
205796		4	0.76	8.1	0.45	2.03	0.07	0.25	0.01	0.010	0.03	5.2	4.7	0.23	193	0.39
205797		4	0.80	8.9	0.39	2.16	0.09	0.29	<0.01	0.011	0.03	5.1	4.6	0.20	135	0.51
205798		4	0.49	10.4	0.33	1.62	0.07	0.29	<0.01	0.007	0.02	4.3	2.4	0.15	129	0.53
205799		4	0.84	8.5	0.40	2.35	0.11	0.31	<0.01	0.011	0.03	6.0	4.1	0.16	114	0.46
205800		23	0.10	24.6	3.37	7.14	0.20	0.57	<0.01	0.029	0.38	11.7	3.4	2.98	591	1.64
205801		4	0.91	7.5	0.44	2.14	0.09	0.31	0.01	0.009	0.03	5.5	3.8	0.17	129	0.67
205802		6	0.50	46.2	1.57	3.11	0.11	0.30	0.01	0.005	0.08	5.9	4.8	0.21	181	0.52
205803		5	0.47	218	1.80	3.16	0.10	0.30	<0.01	0.006	0.08	6.3	6.1	0.24	204	0.57
205804		4	1.13	6.5	0.57	2.64	0.09	0.28	0.01	0.010	0.03	7.0	5.3	0.20	170	0.36
205805		3	1.24	9.8	0.52	2.77	0.09	0.24	<0.01	0.018	0.04	6.1	3.7	0.16	200	0.29
205806		2	1.42	11.1	0.50	2.85	0.08	0.20	<0.01	0.016	0.04	7.6	2.5	0.10	245	0.25
205807		5	0.64	513	2.00	3.48	0.10	0.23	0.01	0.008	0.08	6.4	5.2	0.22	232	0.71
205808		3	0.94	9.1	0.62	3.45	0.12	0.28	<0.01	0.013	0.03	7.1	7.8	0.23	231	0.39
205809		3	0.78	24.7	0.88	2.36	<0.05	0.25	<0.01	0.009	0.03	5.9	4.9	0.18	173	0.45
205810		64	2.01	1955	4.05	4.41	0.08	0.14	0.10	0.070	0.50	20.4	7.2	0.83	364	154.0
205811		5	0.46	401	2.33	3.23	<0.05	0.24	<0.01	0.007	0.10	5.9	8.7	0.23	255	0.70
205812		4	0.67	283	1.60	3.06	<0.05	0.21	<0.01	0.006	0.06	5.5	5.5	0.22	179	0.58
205813		5	0.85	9.1	0.45	2.15	<0.05	0.23	<0.01	0.007	0.03	4.4	4.0	0.25	98	0.46
205814		4	0.71	17.9	0.79	2.91	<0.05	0.25	<0.01	0.005	0.03	5.4	5.7	0.23	136	0.63
205815		5	0.46	376	2.54	3.16	<0.05	0.28	<0.01	0.006	0.08	5.8	5.4	0.19	251	1.48
205816		5	0.46	269	2.35	3.08	<0.05	0.28	<0.01	0.006	0.08	6.2	4.0	0.19	198	1.10
205817		5	0.37	23.2	1.69	2.30	<0.05	0.32	<0.01	<0.005	0.05	5.2	2.3	0.14	135	0.51
205818		4	0.53	13.0	0.99	1.92	<0.05	0.28	<0.01	0.005	0.03	4.7	2.2	0.15	112	0.47



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		Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm
		0.01	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
205779		0.15	0.16	1.7	670	5.8	2.8	0.001	0.05	1.37	2.6	<0.2	0.5	106.0	0.01	0.01
205780		0.92	1.77	129.0	1510	0.6	11.3	<0.001	0.06	0.05	7.4	0.5	0.9	160.5	0.03	<0.01
205781		0.14	0.09	3.1	610	2.5	3.3	<0.001	0.03	0.44	4.2	<0.2	0.5	64.0	<0.01	<0.01
205782		0.16	0.10	2.6	620	2.6	2.9	0.001	0.03	0.31	3.7	0.2	0.5	78.7	<0.01	<0.01
205783		0.16	0.17	2.5	680	3.0	5.4	0.004	0.07	0.63	2.5	0.7	0.8	72.0	<0.01	0.04
205784		0.17	0.17	1.1	560	2.3	2.8	0.003	0.05	0.25	2.2	0.5	0.7	57.3	<0.01	0.04
205785		0.18	0.30	0.8	660	2.5	1.6	0.004	0.03	0.26	3.1	0.2	0.8	82.6	0.01	<0.01
205786		0.19	0.31	0.9	710	2.3	2.1	0.001	0.03	0.25	2.5	<0.2	0.8	104.5	0.01	<0.01
205787		0.12	0.06	1.9	680	11.2	8.1	0.003	0.05	0.67	3.8	0.2	0.5	65.0	<0.01	<0.01
205788		0.15	0.15	1.7	650	3.8	4.5	0.002	0.04	0.57	3.2	<0.2	0.8	92.3	<0.01	<0.01
205789		0.18	0.20	0.9	770	3.5	2.0	0.002	0.03	0.38	1.9	<0.2	0.9	70.3	<0.01	<0.01
205790		0.11	0.06	22.6	1200	8.2	9.9	0.065	2.00	5.67	9.1	6.9	0.9	141.5	<0.01	0.35
205791		0.19	0.25	0.8	640	3.4	1.5	0.001	0.03	0.38	1.6	<0.2	1.1	68.5	0.01	<0.01
205792		0.20	0.28	1.1	660	2.7	1.8	0.005	0.03	0.47	2.0	<0.2	1.0	97.2	0.01	0.01
205793		0.19	0.27	0.7	630	2.0	1.5	0.001	0.03	0.40	1.5	<0.2	1.2	72.2	0.01	<0.01
205794		0.15	0.14	1.5	660	16.5	4.1	0.003	0.04	0.50	2.6	<0.2	1.0	79.8	<0.01	<0.01
205795		0.15	0.12	1.8	650	11.0	3.5	0.002	0.03	0.62	3.8	0.2	0.6	87.0	<0.01	0.01
205796		0.17	0.15	1.0	760	2.6	1.9	<0.001	0.02	0.62	2.3	<0.2	0.5	72.3	<0.01	<0.01
205797		0.20	0.19	0.9	700	2.3	2.1	0.001	0.03	0.68	2.1	<0.2	0.6	90.9	<0.01	0.01
205798		0.18	0.16	0.5	710	2.5	1.2	0.001	0.02	0.37	2.0	<0.2	0.5	66.0	<0.01	0.03
205799		0.17	0.16	0.9	690	1.7	1.8	0.001	0.03	0.62	1.9	<0.2	0.4	89.8	0.01	0.01
205800		0.78	1.53	117.5	1190	0.7	8.1	0.001	0.05	<0.05	6.5	0.4	0.8	185.0	0.02	<0.01
205801		0.19	0.23	1.1	590	1.5	1.8	0.001	0.03	0.56	1.6	<0.2	0.4	115.0	0.01	<0.01
205802		0.17	0.27	1.4	600	2.0	3.4	<0.001	0.03	0.39	1.5	<0.2	0.3	60.3	<0.01	0.01
205803		0.17	0.25	1.5	670	2.2	3.8	0.001	0.04	0.26	1.8	0.3	0.4	52.2	<0.01	0.02
205804		0.16	0.24	1.4	620	1.4	1.8	<0.001	0.02	1.00	2.1	<0.2	0.5	86.0	0.01	0.01
205805		0.14	0.16	1.3	650	2.2	2.4	0.001	0.04	1.19	2.5	<0.2	0.6	88.7	0.01	<0.01
205806		0.16	0.08	1.1	670	2.6	2.8	<0.001	0.03	1.02	3.7	0.2	0.4	131.0	0.01	0.01
205807		0.16	0.18	1.5	690	2.6	4.1	<0.001	0.05	0.72	2.0	0.4	0.4	52.5	0.01	0.03
205808		0.16	0.19	1.3	650	1.3	2.0	0.001	0.02	1.05	2.4	<0.2	0.4	89.2	0.01	<0.01
205809		0.12	0.15	1.2	680	1.2	2.1	<0.001	0.01	0.54	1.8	0.2	0.3	88.9	<0.01	<0.01
205810		0.05	0.12	17.2	710	21.2	32.7	0.038	1.93	5.87	6.5	2.8	1.8	68.4	<0.01	0.35
205811		0.14	0.22	1.6	670	2.6	5.1	<0.001	0.03	0.20	1.8	0.5	0.3	90.8	<0.01	0.03
205812		0.13	0.32	1.5	680	2.3	3.1	<0.001	0.02	0.93	1.9	0.9	0.4	152.0	0.01	0.07
205813		0.15	0.32	1.2	750	1.4	1.7	<0.001	0.01	0.38	1.8	0.3	0.4	150.5	0.01	<0.01
205814		0.16	0.33	1.3	710	1.6	1.7	<0.001	0.01	0.59	1.8	0.3	0.4	131.5	0.01	<0.01
205815		0.12	0.27	1.7	740	3.0	3.8	0.001	0.03	0.09	1.7	0.4	0.4	79.7	<0.01	0.02
205816		0.13	0.22	1.7	710	2.2	3.5	0.001	0.02	0.12	1.8	0.4	0.4	96.9	<0.01	0.01
205817		0.13	0.29	1.5	700	1.4	1.7	<0.001	0.01	0.15	1.3	0.2	0.4	60.4	<0.01	<0.01
205818		0.13	0.19	1.7	730	1.3	1.3	<0.001	0.01	0.29	1.7	0.2	0.4	69.7	<0.01	<0.01



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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
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 VANCOUVER BC V6E 1B5

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CERTIFICATE OF ANALYSIS VA10070337

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Th	Ti	Ti	U	V	W	Y	Zn	Zr
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	0.005	0.02	0.05	1	0.05	0.05	2	0.5
205779		2.6	0.083	0.02	1.65	30	0.05	7.67	42	5.4
205780		1.5	0.579	<0.02	0.55	105	0.14	10.70	52	39.3
205781		2.6	0.056	0.03	1.27	36	0.10	8.37	22	4.1
205782		2.6	0.066	0.02	1.60	40	<0.05	8.00	24	4.9
205783		2.9	0.097	0.02	1.20	46	0.06	7.35	17	6.5
205784		4.8	0.086	<0.02	1.40	38	<0.05	6.77	8	6.4
205785		3.3	0.093	<0.02	1.39	32	<0.05	8.24	9	6.0
205786		2.3	0.092	0.02	1.29	27	0.07	7.65	12	4.8
205787		2.9	0.018	0.07	7.63	21	0.05	10.75	57	3.5
205788		4.0	0.057	0.04	2.83	32	0.06	8.95	40	4.8
205789		2.6	0.090	0.02	1.33	26	0.05	7.19	17	4.8
205790		1.3	0.010	0.10	0.58	91	3.53	15.40	67	2.9
205791		2.8	0.097	0.02	1.41	27	0.06	6.96	10	5.8
205792		3.0	0.097	<0.02	1.22	30	<0.05	7.20	9	5.8
205793		2.7	0.105	0.02	1.22	28	<0.05	6.85	7	5.0
205794		2.5	0.061	0.03	2.66	29	0.05	7.02	35	3.8
205795		2.5	0.070	0.03	2.00	32	0.05	7.92	43	4.0
205796		3.1	0.085	<0.02	1.10	25	<0.05	6.87	26	4.1
205797		3.0	0.098	0.02	1.30	26	<0.05	7.36	8	4.9
205798		2.7	0.090	<0.02	0.81	28	<0.05	7.36	6	4.7
205799		3.8	0.085	<0.02	0.92	27	<0.05	6.71	8	4.5
205800		1.3	0.522	<0.02	0.46	85	0.12	8.07	45	32.5
205801		3.9	0.089	<0.02	1.43	24	0.06	6.77	7	5.5
205802		5.0	0.096	<0.02	2.05	52	0.09	5.93	12	4.7
205803		3.8	0.094	0.02	1.62	59	0.09	6.27	14	4.7
205804		3.0	0.078	<0.02	1.45	23	0.06	6.90	10	4.8
205805		2.1	0.060	0.02	2.04	24	<0.05	7.22	11	4.1
205806		2.6	0.024	<0.02	4.60	20	<0.05	9.26	13	3.1
205807		2.5	0.074	0.02	1.07	65	0.06	6.91	22	3.7
205808		3.5	0.075	<0.02	1.18	27	0.06	6.85	11	4.9
205809		1.8	0.073	<0.02	0.74	33	0.05	5.82	10	4.6
205810		9.6	0.038	0.28	3.98	58	2.68	10.85	65	3.9
205811		1.9	0.088	<0.02	0.89	74	0.08	5.76	18	3.8
205812		1.9	0.087	<0.02	1.09	55	0.09	5.96	16	3.6
205813		1.8	0.106	<0.02	1.08	27	0.07	6.52	6	4.3
205814		2.1	0.099	<0.02	1.06	32	0.13	6.20	8	5.0
205815		1.7	0.101	<0.02	1.11	82	0.15	6.10	20	4.9
205816		2.3	0.085	<0.02	1.14	76	0.07	5.93	16	4.4
205817		2.5	0.099	<0.02	0.97	63	0.06	5.82	9	5.5
205818		1.8	0.104	<0.02	0.81	48	<0.05	6.24	6	5.3



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Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt. kg	Au ppm	Au Check ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm
		0.02	0.001	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1
205819		6.18	<0.001		0.06	0.58	5.3	<0.2	<10	30	0.10	0.03	0.98	0.02	10.40	0.9
205820		0.20	<0.001		0.06	2.39	0.7	<0.2	<10	60	0.99	0.01	2.66	0.07	33.3	37.4
205821		6.18	0.022		0.08	0.70	5.5	<0.2	<10	60	0.09	0.02	1.07	0.05	11.05	2.0
205822		5.92	0.001		0.05	0.72	7.1	<0.2	<10	80	0.13	0.02	1.03	0.04	11.80	1.6
205823		6.20	<0.001		0.02	0.78	8.4	<0.2	<10	40	0.14	0.06	1.51	0.02	11.95	1.1
205824		5.80	<0.001		0.37	0.99	6.5	<0.2	<10	20	0.28	0.30	3.65	0.04	13.40	2.0
205825		6.16	<0.001		0.03	0.79	5.3	<0.2	<10	30	0.22	0.11	2.05	0.02	12.95	1.5
205826		7.24	<0.001		0.09	0.80	10.0	<0.2	<10	40	0.20	0.04	1.42	0.16	12.30	2.4
205827		6.44	0.006		0.46	1.84	407	<0.2	<10	100	0.57	0.07	1.37	0.09	31.9	24.8
205828		6.44	0.001		0.31	2.01	553	<0.2	<10	100	0.77	0.06	1.35	0.05	32.4	23.8
205829		7.26	0.001		0.20	2.03	73.7	<0.2	<10	120	0.73	0.02	1.33	0.04	32.8	24.6
205830		0.14	0.283		2.20	1.52	56.2	0.3	<10	70	0.45	0.28	4.15	1.50	21.0	20.3
205831		6.34	<0.001		0.04	0.78	9.7	<0.2	<10	30	0.22	0.03	1.45	0.17	10.35	1.2
205832		6.00	<0.001		0.08	0.69	10.7	<0.2	<10	40	0.19	0.02	1.52	0.02	11.35	1.3
205833		5.58	0.006		0.06	0.87	8.4	<0.2	<10	100	0.17	0.04	1.41	0.02	12.70	2.3
205834		5.78	<0.001		0.05	0.78	6.7	<0.2	<10	80	0.18	0.04	1.37	0.08	12.25	2.0
205835		6.36	<0.001		0.07	0.82	6.1	<0.2	<10	70	0.19	0.04	1.67	0.06	13.05	2.0
205836		6.02	<0.001		0.04	0.70	5.1	<0.2	<10	40	0.14	0.03	1.61	0.04	11.30	1.3
205837		6.20	<0.001		0.14	1.46	10.0	<0.2	<10	30	0.30	0.13	3.56	0.84	15.45	3.4
205838		6.28	<0.001		0.11	1.01	9.5	<0.2	<10	30	0.25	0.04	2.21	0.17	14.00	3.3
205839		6.50	<0.001		0.18	0.83	14.2	<0.2	<10	50	0.19	0.07	1.79	0.64	12.35	1.7
205840		0.26	<0.001		0.06	2.48	1.1	<0.2	<10	80	1.11	0.01	2.81	0.07	37.3	37.3
205841		5.92	<0.001		0.03	0.74	5.6	<0.2	<10	50	0.15	0.05	1.21	0.02	12.90	1.8
205842		6.04	<0.001		0.02	0.79	5.3	<0.2	<10	70	0.14	0.06	1.37	0.02	13.50	1.3
205843		5.90	0.001		0.03	1.00	5.0	<0.2	<10	50	0.26	0.08	2.70	0.04	15.85	2.6
205844		5.78	<0.001		0.04	1.12	4.0	<0.2	<10	30	0.34	0.06	2.83	0.02	17.25	3.5
205845		6.76	<0.001		0.02	0.78	3.9	<0.2	<10	50	0.22	0.04	1.76	0.02	12.80	2.1
205846		5.84	<0.001		0.06	0.78	2.0	<0.2	<10	70	0.41	0.09	3.05	0.04	15.80	2.2
205847		4.54	0.002		0.14	1.09	3.2	<0.2	<10	170	0.46	0.07	3.35	0.58	18.20	4.2
205848		6.20	0.009		0.29	0.99	4.4	<0.2	<10	80	0.42	0.07	3.05	0.42	15.80	2.8
205849		6.04	0.186		0.58	0.75	5.8	<0.2	<10	120	0.59	0.13	3.09	6.11	17.50	2.5
205850		0.14	1.180		1.86	2.18	9.3	0.9	<10	150	0.14	0.42	1.34	1.44	6.29	26.4
205851		6.66	0.236		1.29	0.59	6.2	1.9	<10	50	0.60	0.17	3.70	8.81	19.60	2.1
205852		6.32	1.235		0.27	0.80	3.6	<0.2	<10	80	0.65	0.20	4.15	3.62	21.4	2.2
205853		6.32	0.005		0.18	0.59	5.9	<0.2	10	200	0.58	0.14	4.55	1.89	21.9	1.8
205854		6.50	2.12		2.67	0.47	17.3	2.5	10	50	0.49	1.33	2.99	36.5	18.90	2.7
205855		6.30	1.470		1.83	0.77	6.9	0.8	10	60	0.55	0.50	4.75	25.0	21.7	2.5
205856		6.22	0.078		0.34	1.14	4.0	<0.2	<10	60	0.47	0.18	5.01	2.53	20.4	3.0
205857		6.40	0.014		0.06	0.99	3.2	<0.2	<10	60	0.39	0.12	5.24	0.24	20.9	2.7
205858		6.52	<0.001		0.07	1.07	2.1	<0.2	<10	50	0.45	0.13	4.16	0.11	20.5	2.4



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		Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		1	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
205819		4	0.60	12.0	0.86	1.82	<0.05	0.27	<0.01	<0.005	0.02	4.3	1.7	0.13	101	0.54
205820		32	0.13	28.7	4.19	7.55	0.17	0.62	<0.01	0.039	0.48	14.7	4.0	3.56	682	2.11
205821		4	0.93	55.9	1.24	2.54	<0.05	0.27	<0.01	0.007	0.05	4.8	3.3	0.18	149	0.54
205822		4	1.57	21.0	1.17	2.44	<0.05	0.32	<0.01	0.006	0.04	5.0	2.8	0.16	131	0.62
205823		4	2.21	4.9	0.63	2.26	<0.05	0.33	<0.01	0.008	0.04	5.0	3.4	0.26	169	0.51
205824		3	2.26	7.2	1.22	4.18	<0.05	0.10	<0.01	0.136	0.16	5.7	13.3	0.49	905	0.22
205825		4	2.06	3.9	0.66	3.25	<0.05	0.18	<0.01	0.047	0.09	5.6	11.1	0.47	508	0.28
205826		4	2.58	8.5	0.68	3.46	<0.05	0.27	<0.01	0.018	0.05	5.7	12.1	0.61	462	0.44
205827		165	4.13	244	4.58	5.91	0.13	0.45	<0.01	0.019	0.21	14.9	20.6	2.16	1070	2.29
205828		168	2.87	204	4.60	6.05	0.12	0.39	<0.01	0.019	0.15	15.1	26.2	2.43	993	2.07
205829		173	3.34	205	4.58	6.19	0.14	0.42	<0.01	0.018	0.19	15.5	22.6	2.21	863	1.66
205830		26	1.18	3520	4.78	5.37	0.10	0.10	0.20	0.074	0.21	10.3	12.4	1.34	652	407
205831		4	2.32	4.1	0.55	3.05	<0.05	0.25	<0.01	0.020	0.05	4.6	12.7	0.58	372	0.80
205832		5	2.17	5.2	0.48	2.78	<0.05	0.28	<0.01	0.010	0.04	4.8	9.8	0.49	339	0.59
205833		5	2.10	6.3	0.70	3.46	<0.05	0.33	<0.01	0.013	0.05	5.9	10.8	0.47	364	0.49
205834		5	2.14	4.7	0.63	3.13	<0.05	0.29	<0.01	0.019	0.04	5.7	10.3	0.42	336	0.46
205835		4	1.77	5.5	0.64	3.28	<0.05	0.28	<0.01	0.018	0.06	5.9	12.2	0.47	417	0.39
205836		7	1.43	5.4	0.59	2.61	<0.05	0.30	<0.01	0.011	0.05	4.8	9.4	0.41	338	0.49
205837		4	2.20	9.1	1.45	6.37	<0.05	0.22	<0.01	0.123	0.14	7.1	26.8	1.01	1160	0.28
205838		4	1.63	6.8	0.89	3.98	<0.05	0.21	<0.01	0.026	0.08	6.3	18.3	0.73	704	0.41
205839		6	1.95	17.7	0.70	3.14	<0.05	0.25	<0.01	0.024	0.08	5.6	12.3	0.52	435	0.54
205840		32	0.17	30.9	4.26	7.70	0.19	0.65	<0.01	0.039	0.46	16.5	4.4	3.53	703	2.20
205841		6	2.37	7.8	0.86	2.85	<0.05	0.31	<0.01	0.013	0.04	6.1	6.9	0.36	285	0.74
205842		6	2.48	5.9	0.60	2.83	<0.05	0.31	<0.01	0.021	0.03	6.5	6.8	0.33	271	0.52
205843		5	2.63	5.7	0.92	3.77	<0.05	0.20	<0.01	0.026	0.12	7.4	15.7	0.57	1060	0.27
205844		4	2.46	3.5	0.99	4.12	<0.05	0.16	<0.01	0.041	0.15	7.9	19.2	0.76	1770	0.17
205845		6	2.63	3.4	0.66	3.31	0.06	0.25	<0.01	0.026	0.08	6.5	13.1	0.50	966	0.30
205846		4	2.29	3.0	0.68	3.02	<0.05	0.13	<0.01	0.038	0.20	8.2	11.4	0.41	2680	0.20
205847		4	2.71	16.0	1.19	4.27	<0.05	0.09	0.01	0.017	0.22	9.2	18.3	0.58	3910	0.50
205848		4	2.68	36.0	1.09	4.29	0.05	0.10	<0.01	0.037	0.18	8.1	17.6	0.58	2810	0.26
205849		3	5.28	29.5	0.69	2.56	<0.05	0.11	0.12	0.036	0.28	8.7	9.2	0.29	3980	1.09
205850		57	0.81	5100	4.60	6.59	0.13	0.14	0.12	0.157	0.23	2.9	9.8	1.27	398	218
205851		3	4.04	59.1	0.62	1.92	<0.05	0.12	0.15	0.042	0.31	9.5	3.9	0.17	5110	2.12
205852		3	4.45	16.6	0.75	2.72	<0.05	0.07	0.07	0.049	0.31	11.0	7.3	0.27	5210	0.38
205853		2	4.60	12.9	0.79	1.91	<0.05	0.06	0.03	0.077	0.26	11.2	7.5	0.15	3650	0.91
205854		2	4.51	50.9	0.76	1.58	<0.05	0.08	0.90	0.121	0.30	9.5	2.7	0.09	3260	6.26
205855		2	6.89	84.4	0.85	2.76	<0.05	0.07	0.25	0.077	0.26	11.1	8.5	0.27	3790	3.56
205856		3	3.85	9.4	1.17	4.67	<0.05	0.11	0.02	0.047	0.20	10.6	17.4	0.65	3120	3.23
205857		4	3.45	2.2	0.94	3.68	<0.05	0.10	<0.01	0.039	0.20	10.6	12.7	0.52	1720	0.68
205858		4	3.74	3.0	0.94	4.10	<0.05	0.09	<0.01	0.050	0.17	10.5	14.6	0.58	1560	2.71



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Project: Woodjam North

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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm
		0.01	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
205819		0.15	0.28	1.9	780	1.2	1.2	<0.001	0.01	0.33	1.5	0.3	0.6	69.4	<0.01	<0.01
205820		1.00	3.11	141.5	1470	0.5	11.5	<0.001	0.03	<0.05	9.1	0.6	1.1	188.5	0.05	0.01
205821		0.13	0.34	1.6	750	1.9	2.2	<0.001	0.01	0.37	2.0	0.4	0.5	71.8	0.01	0.01
205822		0.16	0.37	1.8	840	4.0	2.6	<0.001	0.01	0.49	1.9	0.3	0.7	117.0	0.01	<0.01
205823		0.17	0.40	2.8	910	2.2	3.0	<0.001	<0.01	0.51	2.3	0.3	0.7	84.4	0.01	<0.01
205824		0.05	<0.05	2.6	640	3.4	12.4	<0.001	0.01	1.12	3.1	0.4	1.1	52.8	<0.01	0.01
205825		0.07	0.12	1.9	700	4.4	7.2	<0.001	0.01	1.64	3.8	0.3	0.6	53.8	<0.01	<0.01
205826		0.10	0.19	2.1	660	14.8	4.5	<0.001	0.02	5.04	3.6	0.3	0.5	56.3	<0.01	<0.01
205827		0.25	0.09	78.9	1740	9.9	18.5	<0.001	0.10	38.3	4.3	0.5	0.9	137.0	<0.01	0.01
205828		0.28	0.08	75.9	1740	8.2	11.7	<0.001	0.11	58.7	4.2	0.5	0.9	158.0	<0.01	0.01
205829		0.30	0.10	80.6	1770	4.1	15.9	<0.001	0.03	54.3	4.1	0.5	0.9	169.5	<0.01	0.01
205830		0.08	0.06	24.5	1220	9.1	10.0	0.056	2.02	5.72	9.2	6.1	1.0	144.0	<0.01	0.32
205831		0.11	0.18	2.2	720	6.5	3.8	<0.001	0.01	2.44	2.8	0.2	0.5	64.9	<0.01	<0.01
205832		0.12	0.21	2.1	720	2.5	3.6	<0.001	0.01	1.78	2.6	0.3	0.5	58.3	<0.01	<0.01
205833		0.11	0.23	2.4	710	6.1	3.7	<0.001	0.01	2.55	2.8	0.3	0.4	77.7	<0.01	<0.01
205834		0.10	0.21	1.7	700	12.8	3.4	<0.001	0.01	1.84	2.6	0.3	0.4	63.7	<0.01	<0.01
205835		0.10	0.16	2.1	710	37.1	4.4	<0.001	0.01	1.39	3.3	0.3	0.5	60.5	<0.01	<0.01
205836		0.11	0.23	2.2	680	5.5	3.5	<0.001	<0.01	0.73	3.7	0.3	0.5	55.3	<0.01	<0.01
205837		0.07	0.06	4.3	720	80.1	11.6	<0.001	0.02	1.25	4.8	0.4	0.7	73.6	<0.01	<0.01
205838		0.08	0.08	2.6	710	31.9	6.3	<0.001	0.02	0.71	4.7	0.3	0.5	50.1	<0.01	<0.01
205839		0.09	0.15	2.2	620	29.1	6.8	<0.001	0.02	2.50	3.4	0.3	0.5	58.6	<0.01	<0.01
205840		1.01	2.62	140.0	1570	1.0	11.2	<0.001	0.03	0.06	9.4	0.7	1.1	188.5	0.05	0.01
205841		0.12	0.25	1.8	710	1.9	3.2	<0.001	0.01	1.04	2.4	0.3	0.6	64.8	<0.01	<0.01
205842		0.11	0.21	1.5	680	1.9	2.8	<0.001	0.01	1.21	2.1	0.2	0.6	73.8	<0.01	<0.01
205843		0.07	0.07	2.8	690	6.5	9.4	<0.001	0.01	0.90	4.0	0.3	0.7	62.6	<0.01	<0.01
205844		0.07	<0.05	3.3	700	8.0	11.6	<0.001	0.01	0.55	4.3	0.3	0.5	51.8	<0.01	<0.01
205845		0.10	0.11	2.5	660	5.3	6.0	<0.001	<0.01	0.72	4.3	0.2	0.4	57.8	<0.01	<0.01
205846		0.07	<0.05	2.1	710	17.6	14.5	<0.001	<0.01	0.45	4.7	0.2	0.4	52.2	<0.01	<0.01
205847		0.06	<0.05	2.3	680	45.6	15.7	<0.001	0.15	0.84	4.3	0.3	0.4	63.8	<0.01	<0.01
205848		0.06	<0.05	2.2	590	38.0	13.4	<0.001	0.12	1.67	4.0	0.3	0.3	63.8	<0.01	<0.01
205849		0.03	<0.05	2.9	520	307	20.4	0.001	0.20	0.79	2.4	0.4	0.7	65.5	<0.01	<0.01
205850		0.13	0.23	41.2	650	21.7	8.7	0.329	2.12	7.25	7.3	3.8	1.9	43.3	0.01	0.22
205851		0.03	<0.05	2.1	560	323	22.0	0.005	0.34	0.49	2.4	0.4	0.8	81.3	<0.01	<0.01
205852		0.04	<0.05	2.2	590	133.0	23.3	0.001	0.21	0.25	3.6	0.3	0.3	91.6	<0.01	<0.01
205853		0.04	<0.05	1.9	600	99.2	19.3	0.002	0.40	0.46	3.7	0.3	0.4	159.5	<0.01	<0.01
205854		0.03	<0.05	1.5	530	1055	23.4	0.008	0.69	0.81	2.4	1.0	0.4	98.5	<0.01	<0.01
205855		0.04	<0.05	2.5	580	1125	19.2	0.004	0.81	2.12	3.2	0.9	0.7	132.0	<0.01	0.01
205856		0.04	<0.05	3.4	550	127.0	15.2	0.002	1.79	0.84	3.3	0.3	0.3	407	<0.01	0.01
205857		0.05	<0.05	3.1	580	16.6	14.0	0.003	1.40	0.34	4.7	0.2	0.3	334	<0.01	<0.01
205858		0.06	<0.05	3.7	590	12.0	13.2	0.010	0.19	0.49	5.8	0.3	0.4	88.1	<0.01	<0.01



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Th	Ti	Tl	U	V	W	Y	Zn	Zr
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	0.005	0.02	0.05	1	0.05	0.05	2	0.5
205819		1.6	0.115	<0.02	0.79	51	0.05	6.85	5	5.3
205820		1.4	0.652	<0.02	0.46	107	0.15	9.75	54	39.5
205821		1.7	0.107	<0.02	0.91	54	0.06	6.39	10	5.1
205822		2.2	0.120	<0.02	1.24	55	0.07	7.21	12	5.9
205823		2.1	0.128	<0.02	1.11	39	0.08	7.86	13	7.2
205824		1.9	0.011	0.06	1.30	34	0.12	9.93	105	2.3
205825		2.1	0.051	0.03	0.93	28	0.08	9.33	69	3.2
205826		2.2	0.096	<0.02	1.07	30	0.18	7.44	53	4.4
205827		5.6	0.253	0.04	1.99	177	0.56	10.95	79	13.0
205828		5.3	0.237	0.14	1.92	181	0.48	10.65	73	13.0
205829		5.4	0.257	0.02	1.89	181	0.44	10.80	66	13.4
205830		1.2	0.010	0.08	0.50	90	3.14	14.05	64	2.6
205831		1.9	0.108	<0.02	1.00	33	0.14	6.81	50	4.2
205832		2.0	0.111	<0.02	1.07	29	0.31	7.24	50	4.7
205833		2.2	0.110	<0.02	1.12	30	0.17	6.99	64	5.7
205834		2.3	0.098	<0.02	1.27	27	0.17	6.86	78	5.8
205835		2.2	0.085	<0.02	1.17	28	0.10	7.31	90	4.9
205836		2.0	0.111	<0.02	1.13	31	0.11	7.26	34	5.3
205837		2.0	0.045	0.06	1.44	49	0.07	10.60	292	4.2
205838		2.1	0.045	0.03	1.29	32	0.07	8.59	136	3.4
205839		1.9	0.077	0.03	1.25	28	0.11	7.38	65	4.7
205840		1.5	0.679	<0.02	0.51	111	0.15	9.91	57	40.9
205841		2.2	0.105	<0.02	1.39	37	0.13	6.81	17	5.9
205842		2.2	0.098	<0.02	1.66	28	0.10	6.66	18	5.9
205843		2.0	0.045	0.04	1.23	30	0.07	9.15	147	3.9
205844		2.4	0.025	0.05	1.20	32	0.06	10.25	192	2.9
205845		2.1	0.066	0.04	1.22	27	0.07	7.86	102	4.1
205846		2.1	0.018	0.09	1.29	21	0.07	9.96	90	2.4
205847		2.2	0.008	0.10	1.34	28	0.12	10.00	190	1.6
205848		2.3	0.012	0.08	0.98	29	0.12	9.04	186	2.1
205849		2.8	<0.005	0.13	1.30	12	0.13	9.81	1100	2.5
205850		0.7	0.169	0.38	0.31	80	15.10	7.78	201	3.7
205851		2.6	<0.005	0.14	1.38	8	0.19	11.35	1520	2.7
205852		1.9	<0.005	0.15	1.26	15	0.17	12.60	714	1.7
205853		2.3	<0.005	0.12	1.37	18	0.10	11.60	361	1.5
205854		2.3	<0.005	0.15	1.60	8	0.12	8.43	6620	2.1
205855		2.4	<0.005	0.12	1.47	14	0.09	11.50	4170	1.6
205856		3.0	<0.005	0.10	1.55	23	0.06	11.35	586	2.7
205857		2.9	<0.005	0.09	1.29	25	<0.05	11.30	145	2.4
205858		2.4	<0.005	0.09	1.23	31	<0.05	11.70	121	2.0



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Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Recvd Wt. kg	Au ppm	Au Check ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm
		0.02	0.001	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1
205859		6.36	0.007		0.09	0.88	2.9	<0.2	10	80	0.45	0.09	4.31	0.63	21.7	2.2
205860		0.38	<0.001		0.04	2.38	0.4	<0.2	<10	60	1.20	0.01	2.67	0.08	36.9	35.9
205861		6.38	0.001		0.08	0.83	4.2	<0.2	<10	30	0.36	0.06	4.92	0.29	20.5	2.3
205862		6.36	0.003		1.26	0.92	2.1	<0.2	<10	30	0.38	0.12	4.26	0.07	20.9	2.6
205863		6.20	0.003		3.47	1.00	3.6	<0.2	10	60	0.49	0.12	4.73	0.08	23.2	2.8
205864		6.22	<0.001		0.18	1.06	2.6	<0.2	<10	140	0.43	0.11	4.87	0.06	22.5	3.0
205865		6.38	<0.001		0.06	1.04	4.5	<0.2	<10	30	0.36	0.14	4.08	0.03	20.4	3.2
205866		4.28	<0.001		0.10	1.04	4.9	<0.2	<10	90	0.41	0.20	3.84	0.07	19.00	3.4
205867		6.02	0.011		0.17	0.93	15.2	<0.2	10	210	0.40	0.19	4.65	0.14	22.1	3.4
205868		4.64	<0.001		0.03	1.05	5.2	<0.2	10	180	0.35	0.10	4.41	0.05	21.3	3.1
205869		6.72	<0.001		0.04	1.11	6.5	<0.2	<10	300	0.33	0.09	3.83	0.05	22.5	2.7
205870		0.16	0.207		2.16	1.53	26.9	0.8	<10	110	0.48	2.54	1.81	0.98	39.8	18.6
205871		6.46	<0.001		0.02	1.00	6.2	<0.2	10	50	0.36	0.11	3.05	0.03	20.0	2.6
205872		6.54	<0.001		0.08	1.02	5.5	<0.2	10	140	0.32	0.11	3.34	0.04	22.5	4.2
205873		6.36	<0.001		0.04	0.91	6.5	<0.2	<10	190	0.21	0.09	2.43	0.02	18.70	3.5
205874		6.34	<0.001		0.03	1.06	5.8	<0.2	<10	380	0.27	0.12	3.17	0.04	20.8	4.5
205875		6.46	<0.001		0.03	0.67	6.5	<0.2	<10	50	0.18	0.05	1.73	0.02	14.35	1.8
205876		2.48	<0.001		0.03	0.63	6.2	<0.2	10	30	0.23	0.05	1.50	0.02	14.05	2.1



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cr	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
		1	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05
205859		3	3.21	2.4	0.83	3.10	<0.05	0.08	0.01	0.044	0.20	11.0	9.9	0.34	1740	5.13
205860		34	0.27	28.1	4.08	9.67	0.20	0.46	<0.01	0.043	0.49	16.8	4.6	3.39	718	2.32
205861		3	2.31	3.1	0.79	3.19	<0.05	0.09	<0.01	0.036	0.15	10.0	11.1	0.38	1650	0.51
205862		3	3.08	4.1	0.95	3.52	<0.05	0.08	<0.01	0.049	0.19	10.9	10.6	0.42	1300	3.12
205863		3	4.02	6.4	0.99	4.36	<0.05	0.08	0.01	0.068	0.18	11.8	11.6	0.44	1780	1.06
205864		3	3.19	2.4	1.15	4.95	<0.05	0.09	<0.01	0.041	0.16	11.3	14.2	0.55	1540	0.24
205865		4	2.48	1.5	1.07	4.65	<0.05	0.08	<0.01	0.037	0.13	9.8	14.2	0.51	1040	0.24
205866		4	2.60	3.8	1.01	4.39	<0.05	0.07	<0.01	0.041	0.13	9.3	14.1	0.45	991	0.23
205867		3	2.88	4.3	0.95	3.48	<0.05	0.07	<0.01	0.039	0.18	11.1	11.1	0.33	1210	0.78
205868		3	2.68	1.2	0.89	3.78	<0.05	0.06	<0.01	0.069	0.11	10.6	15.9	0.49	1100	0.57
205869		4	2.72	1.6	0.99	4.65	<0.05	0.09	<0.01	0.085	0.08	11.3	16.5	0.59	835	0.18
205870		64	1.98	1910	4.01	5.53	0.09	0.16	0.10	0.073	0.48	22.2	7.9	0.82	370	152.0
205871		4	2.28	2.2	0.97	4.80	0.05	0.10	<0.01	0.095	0.09	10.0	15.2	0.59	753	0.22
205872		5	2.68	1.8	1.11	5.22	0.05	0.09	<0.01	0.048	0.08	11.0	16.7	0.73	858	0.18
205873		4	1.74	2.1	0.83	4.20	0.05	0.16	<0.01	0.022	0.05	9.1	13.7	0.67	668	0.14
205874		4	1.99	1.6	1.10	5.30	0.05	0.13	<0.01	0.039	0.06	10.3	20.8	0.95	970	0.16
205875		5	1.42	3.3	0.60	3.17	0.07	0.32	<0.01	0.022	0.04	7.2	6.8	0.35	475	0.35
205876		6	1.47	3.2	0.53	2.99	0.06	0.35	<0.01	0.018	0.04	7.5	7.9	0.34	379	0.29



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CERTIFICATE OF ANALYSIS VA10070337

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Na %	Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm
		0.01	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01
205859		0.06	<0.05	3.1	610	15.6	14.7	0.017	0.26	0.32	4.7	0.3	0.2	113.5	<0.01	<0.01
205860		1.02	2.79	132.5	1540	2.0	12.3	<0.001	0.03	<0.05	10.4	0.4	1.0	181.5	0.05	<0.01
205861		0.06	<0.05	3.8	600	8.5	11.2	0.001	0.22	0.36	5.0	0.3	0.2	87.6	<0.01	<0.01
205862		0.05	<0.05	4.0	650	5.1	13.4	0.008	0.06	0.30	4.4	0.2	0.4	97.1	<0.01	<0.01
205863		0.06	<0.05	4.2	610	7.8	14.5	0.001	0.03	0.60	4.8	0.3	0.6	188.0	<0.01	0.01
205864		0.07	<0.05	4.7	650	5.5	13.3	<0.001	0.01	0.56	5.6	0.3	0.3	80.8	<0.01	<0.01
205865		0.07	<0.05	3.9	640	2.8	10.4	<0.001	<0.01	0.92	6.4	0.2	0.3	72.8	<0.01	<0.01
205866		0.07	<0.05	3.7	640	6.0	10.4	<0.001	0.01	0.98	6.2	0.2	0.2	75.7	<0.01	<0.01
205867		0.07	<0.05	3.6	640	10.0	14.1	0.001	0.07	0.73	5.8	0.3	0.2	80.2	<0.01	<0.01
205868		0.07	<0.05	3.5	610	4.7	7.9	<0.001	0.01	0.53	6.6	0.3	0.3	86.0	<0.01	<0.01
205869		0.08	<0.05	4.0	620	3.7	6.2	<0.001	0.02	0.79	6.7	0.3	0.5	91.4	<0.01	<0.01
205870		0.05	0.11	18.4	710	23.1	35.1	0.037	1.86	5.75	7.4	3.4	1.7	75.6	<0.01	0.30
205871		0.08	<0.05	4.6	620	3.9	6.8	<0.001	0.01	1.06	7.0	0.2	0.5	65.9	<0.01	<0.01
205872		0.09	<0.05	3.6	630	3.7	6.3	<0.001	0.01	1.20	7.4	0.3	0.4	81.1	<0.01	<0.01
205873		0.11	<0.05	3.5	610	2.6	3.8	<0.001	0.01	1.10	6.7	0.2	0.4	105.0	<0.01	<0.01
205874		0.09	<0.05	3.8	610	3.5	4.6	<0.001	0.02	1.03	7.1	0.3	0.4	104.5	<0.01	<0.01
205875		0.12	0.15	2.1	610	4.0	2.9	<0.001	<0.01	1.08	4.2	0.2	0.6	91.3	<0.01	<0.01
205876		0.12	0.16	2.1	650	3.8	2.6	<0.001	<0.01	0.86	4.5	0.2	0.6	75.9	<0.01	<0.01



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CERTIFICATE OF ANALYSIS VA10070337

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Th	Ti	Ti	U	V	W	Y	Zn	Zr
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.2	0.005	0.02	0.05	1	0.05	0.05	2	0.5
205859		2.4	<0.005	0.10	1.27	20	<0.05	11.80	182	1.9
205860		1.7	0.653	<0.02	0.60	106	0.14	11.40	60	29.9
205861		2.2	<0.005	0.07	1.06	25	<0.05	12.85	130	1.8
205862		2.7	<0.005	0.09	1.54	24	0.97	11.85	102	1.7
205863		2.3	<0.005	0.08	1.73	33	2.84	13.00	94	1.6
205864		2.4	<0.005	0.08	0.62	39	0.15	13.30	103	1.9
205865		2.3	<0.005	0.07	0.54	40	<0.05	10.80	55	1.5
205866		2.2	<0.005	0.07	0.87	37	0.05	11.15	59	1.4
205867		2.3	<0.005	0.09	1.52	29	<0.05	13.80	62	1.5
205868		2.5	<0.005	0.06	1.09	36	<0.05	13.60	43	1.4
205869		2.5	<0.005	0.05	0.85	45	<0.05	13.75	40	1.5
205870		10.7	0.038	0.33	4.53	57	2.54	11.35	64	4.2
205871		3.5	<0.005	0.05	0.69	51	<0.05	10.95	54	1.8
205872		2.7	<0.005	0.05	0.97	46	<0.05	13.60	97	1.9
205873		2.6	0.021	0.03	1.49	34	<0.05	11.10	87	2.4
205874		2.4	0.011	0.04	1.14	44	<0.05	14.20	107	2.2
205875		2.6	0.083	0.03	1.76	28	0.05	8.48	52	4.3
205876		3.8	0.085	0.02	1.68	29	0.06	7.89	67	4.9



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CERTIFICATE OF ANALYSIS VA10070337

CERTIFICATE COMMENTS

Method

ME-MS41

Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).

ME-MS41

Interference: Mo>400ppm on ICP-MS Cd, ICP-AES results shown.



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CERTIFICATE VA10071641

Project: Woodjam North
P.O. No.: WJN-2010-30c
This report is for 74 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 3-JUN-2010.
The following have access to data associated with this certificate:

BLAIRD JULIANNE MADSEN	NATE BREWER ROSS SHERLOCK	JOHN HERTEL TWILA SKINNER
---------------------------	------------------------------	------------------------------

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test

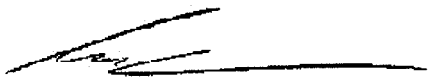
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS41	51 anal. aqua regia ICPMS	

To: **GOLD FIELDS HORSEFLY EXPLORATION INC.**
ATTN: JULIANNE MADSEN
1155 ROBSON STREET, SUITE 400
VANCOUVER BC V6E 1B5

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 VA10071641

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	<10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
205877		4.86	<0.001	0.03	0.53	4.9	<0.2	<10	150	0.11	0.01	1.95	0.06	17.50	1.1	6
205878		6.92	<0.001	0.04	0.64	6.9	<0.2	<10	90	0.20	0.01	2.89	0.10	12.05	1.4	5
205879		5.90	<0.001	0.03	0.55	7.3	<0.2	<10	120	0.13	0.01	1.74	0.08	10.80	0.9	7
205880		0.46	<0.001	0.05	2.45	0.6	<0.2	<10	80	1.15	0.01	2.64	0.07	30.2	38.2	34
205881		5.90	<0.001	0.04	0.54	6.6	<0.2	<10	60	0.21	0.05	2.51	0.05	13.00	1.1	6
205882		6.92	<0.001	0.02	0.49	4.7	<0.2	<10	60	0.11	0.01	3.00	0.05	14.00	1.2	6
205883		5.54	<0.001	0.02	0.48	5.0	<0.2	<10	60	0.10	0.01	1.17	0.03	10.95	0.9	7
205884		6.02	<0.001	0.01	1.08	8.8	<0.2	<10	160	0.24	0.02	3.61	0.06	14.75	2.7	3
205885		5.40	<0.001	0.02	0.85	6.2	<0.2	<10	140	0.17	0.02	1.57	0.03	10.40	1.4	4
205886		4.30	<0.001	0.02	0.60	4.8	<0.2	<10	50	0.10	0.01	0.95	0.10	10.25	0.8	7
205887		1.64	<0.001	0.10	0.56	3.9	<0.2	<10	60	0.10	0.01	0.75	0.03	10.40	1.5	7
205888		5.44	0.020	0.20	0.60	6.6	<0.2	<10	20	0.27	0.04	4.49	0.54	15.15	1.3	4
205889		6.30	<0.001	0.03	0.57	5.0	<0.2	<10	40	0.10	0.01	0.75	0.11	8.32	0.7	6
205890		0.16	0.293	1.82	1.46	43.6	0.2	<10	110	0.51	0.33	4.23	0.85	16.60	18.0	25
205891		6.76	<0.001	0.02	0.58	3.6	<0.2	<10	40	0.13	0.01	0.88	0.04	7.88	0.6	7
205892		4.08	<0.001	0.02	0.59	4.3	<0.2	<10	30	0.14	0.01	1.01	0.03	7.96	0.8	8
205893		2.80	<0.001	0.01	0.60	5.8	<0.2	<10	30	0.15	0.02	1.35	0.02	9.81	1.2	6
205894		5.10	<0.001	0.02	0.56	3.9	<0.2	<10	50	0.11	0.01	1.21	0.05	9.66	0.8	7
205895		5.88	0.013	0.10	0.57	5.3	<0.2	<10	30	0.28	0.03	4.20	0.42	15.15	1.1	5
205896		6.24	<0.001	0.02	0.47	2.8	<0.2	<10	50	0.11	0.01	0.63	0.03	10.25	0.8	8
205897		6.28	<0.001	0.03	0.52	3.5	<0.2	<10	50	0.10	0.01	0.70	0.02	11.30	1.0	11
205898		5.86	<0.001	0.04	0.59	4.5	<0.2	<10	70	0.19	0.03	1.52	0.17	12.35	1.3	9
205899		6.20	0.009	0.03	0.58	5.0	<0.2	<10	50	0.14	0.03	0.92	0.04	12.10	1.6	7
205900		0.36	<0.001	0.02	2.12	0.6	<0.2	<10	60	0.97	<0.01	2.32	0.05	28.6	33.3	31
205901		5.26	<0.001	0.02	0.58	4.3	<0.2	<10	50	0.12	0.03	1.13	0.05	11.55	1.9	6
205902		3.34	<0.001	0.03	0.43	3.6	<0.2	<10	80	0.10	0.02	0.81	0.03	12.35	2.4	7
205903		5.96	<0.001	0.05	0.43	2.8	<0.2	<10	70	0.09	0.02	0.65	0.05	12.50	2.6	8
205904		6.28	<0.001	0.03	0.59	3.3	<0.2	<10	50	0.15	0.02	0.86	0.04	12.90	1.1	8
205905		6.36	<0.001	0.02	0.60	3.7	<0.2	<10	30	0.12	0.02	0.92	0.05	13.55	0.8	8
205906		6.66	0.002	0.10	0.61	5.6	<0.2	<10	50	0.13	0.05	0.96	0.08	14.20	3.1	7
205907		6.30	<0.001	0.05	0.59	4.7	<0.2	<10	60	0.12	0.03	0.95	0.09	14.10	3.8	8
205908		6.54	<0.001	0.03	0.57	3.7	<0.2	<10	60	0.09	0.02	0.88	0.04	12.55	2.9	7
205909		6.36	<0.001	0.04	0.60	5.4	<0.2	<10	30	0.14	0.01	1.44	0.05	10.70	1.1	6
205910		0.14	0.298	1.80	1.34	47.1	0.2	<10	100	0.46	0.32	4.08	1.17	18.80	19.3	23
205911		6.40	0.003	0.10	0.79	5.0	<0.2	<10	210	0.22	0.14	1.94	0.11	13.20	3.0	4
205912		6.62	<0.001	0.04	0.75	6.6	<0.2	<10	40	0.18	0.06	1.41	0.13	11.35	0.9	6
205913		6.42	0.001	0.06	0.66	8.7	<0.2	<10	20	0.14	0.02	1.14	0.08	10.90	0.9	5
205914		6.38	0.013	0.12	0.54	6.4	<0.2	<10	50	0.14	0.09	1.24	0.14	10.80	0.9	6
205915		6.68	<0.001	0.11	0.75	7.8	<0.2	<10	60	0.17	0.02	1.12	0.26	11.05	1.5	7
205916		6.54	<0.001	0.20	0.56	7.5	<0.2	<10	70	0.17	0.01	1.47	0.67	9.84	1.2	6



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CERTIFICATE OF ANALYSIS VA10071641

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
205877		0.71	3.1	0.44	1.53	<0.05	0.21	<0.01	0.005	0.04	6.4	1.8	0.15	180	0.60	0.12
205878		0.94	3.3	0.45	2.03	<0.05	0.21	0.01	0.006	0.04	4.8	2.4	0.24	253	0.40	0.12
205879		0.84	3.4	0.38	1.79	<0.05	0.20	0.01	0.007	0.04	4.2	2.4	0.18	161	0.38	0.13
205880		0.12	26.6	4.42	9.64	0.19	0.66	0.01	0.038	0.53	14.1	4.4	3.76	679	2.29	1.00
205881		1.04	5.0	0.52	1.96	<0.05	0.24	<0.01	0.014	0.05	5.4	3.0	0.38	267	0.35	0.12
205882		0.52	3.0	0.38	1.66	<0.05	0.23	<0.01	0.006	0.02	5.8	3.2	0.28	300	0.31	0.11
205883		0.43	2.5	0.37	1.43	<0.05	0.22	<0.01	0.007	0.02	4.5	1.4	0.18	112	0.36	0.13
205884		0.91	3.0	0.53	3.16	<0.05	0.19	<0.01	0.010	0.04	6.2	2.6	0.45	306	0.21	0.12
205885		0.76	3.8	0.43	2.41	<0.05	0.20	<0.01	0.009	0.03	4.3	2.4	0.27	123	0.30	0.14
205886		0.44	3.3	0.61	1.95	<0.05	0.31	<0.01	<0.005	0.02	4.1	2.0	0.25	86	0.47	0.16
205887		0.47	4.0	1.53	2.28	<0.05	0.27	<0.01	<0.005	0.03	4.7	2.8	0.23	96	0.43	0.14
205888		2.09	4.9	0.47	2.29	<0.05	0.07	0.01	0.034	0.17	6.8	4.4	0.15	1140	2.35	0.06
205889		0.57	1.8	0.33	1.77	<0.05	0.28	<0.01	<0.005	0.02	3.4	4.9	0.30	84	0.46	0.14
205890		1.02	3450	4.61	5.55	0.08	0.08	0.18	0.071	0.21	8.6	12.6	1.33	642	426	0.09
205891		0.56	3.1	0.30	1.71	0.05	0.23	<0.01	0.005	0.02	3.3	4.5	0.32	103	0.64	0.15
205892		0.86	1.7	0.34	1.93	<0.05	0.20	<0.01	0.005	0.03	3.4	6.8	0.31	131	0.43	0.13
205893		1.12	3.0	0.44	2.07	<0.05	0.17	<0.01	0.009	0.04	4.4	6.3	0.26	198	0.35	0.11
205894		0.90	2.8	0.57	1.79	0.05	0.24	<0.01	0.006	0.03	4.1	3.8	0.22	166	0.38	0.13
205895		1.93	4.4	0.44	1.86	<0.05	0.07	<0.01	0.038	0.15	6.8	4.1	0.17	1060	1.88	0.07
205896		0.34	3.6	1.27	1.69	0.05	0.32	<0.01	<0.005	0.02	4.6	1.1	0.09	82	0.43	0.17
205897		0.39	3.9	0.99	1.82	0.06	0.34	0.01	<0.005	0.03	5.1	1.7	0.12	100	0.54	0.17
205898		0.92	7.2	0.47	2.09	0.06	0.29	<0.01	0.013	0.06	5.9	4.4	0.22	341	0.57	0.11
205899		0.51	6.5	0.97	2.49	0.07	0.40	<0.01	0.007	0.04	5.9	3.7	0.18	178	0.56	0.13
205900		0.11	22.6	3.92	7.87	0.14	0.56	<0.01	0.033	0.43	12.7	3.9	3.41	647	2.02	0.90
205901		0.61	5.2	0.88	2.51	0.07	0.34	<0.01	0.010	0.04	5.5	4.8	0.21	213	0.43	0.12
205902		0.24	14.2	1.52	2.53	0.07	0.33	<0.01	0.008	0.05	5.9	1.8	0.11	178	0.76	0.12
205903		0.21	12.2	1.91	2.53	0.08	0.35	<0.01	0.006	0.06	6.1	1.2	0.09	143	0.91	0.13
205904		0.45	10.8	1.01	2.01	0.07	0.32	<0.01	0.005	0.02	6.0	1.3	0.16	112	0.98	0.18
205905		0.42	11.8	0.65	1.75	<0.05	0.32	<0.01	0.009	0.02	5.9	1.9	0.15	112	0.56	0.16
205906		0.48	53.8	1.39	2.64	<0.05	0.29	<0.01	0.011	0.05	6.6	3.6	0.15	206	57.0	0.13
205907		0.48	64.5	1.82	2.93	<0.05	0.26	<0.01	0.011	0.06	6.6	4.1	0.17	259	36.4	0.13
205908		0.54	20.2	1.76	2.58	<0.05	0.26	<0.01	0.007	0.06	5.5	3.6	0.20	199	1.08	0.14
205909		0.75	8.3	0.57	2.01	<0.05	0.26	<0.01	0.008	0.03	4.3	5.2	0.29	213	0.67	0.14
205910		1.05	3210	4.43	5.11	0.06	0.09	0.22	0.066	0.19	9.3	12.6	1.24	595	428	0.07
205911		1.60	13.0	1.13	2.93	<0.05	0.19	0.01	0.030	0.09	5.9	12.1	0.41	469	1.20	0.07
205912		1.24	5.3	0.50	2.50	<0.05	0.28	<0.01	0.020	0.03	4.6	7.7	0.32	200	0.58	0.16
205913		0.97	10.9	0.49	1.98	<0.05	0.30	<0.01	0.007	0.02	4.3	4.6	0.27	136	0.64	0.17
205914		0.65	128.5	0.51	1.78	<0.05	0.25	<0.01	0.007	0.02	4.3	3.8	0.22	139	0.98	0.14
205915		0.74	22.6	0.93	2.85	0.07	0.32	<0.01	0.008	0.03	4.7	6.5	0.31	190	0.72	0.18
205916		0.90	10.3	0.46	2.08	0.06	0.29	<0.01	0.008	0.03	4.0	4.7	0.30	235	0.48	0.14



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205877		0.12	3.0	680	2.8	1.9	<0.001	0.01	0.16	3.9	0.2	0.4	91.7	<0.01	<0.01	2.6
205878		0.18	3.5	650	5.3	1.9	0.001	0.02	0.18	4.7	0.3	0.4	88.4	0.01	0.01	2.1
205879		0.11	3.0	700	4.5	2.2	0.001	0.01	0.18	4.3	<0.2	0.6	100.0	<0.01	<0.01	2.0
205880		2.32	143.0	1500	0.6	11.6	<0.001	0.03	<0.05	8.6	0.7	1.0	174.0	0.05	<0.01	1.5
205881		0.13	3.0	580	5.7	3.3	0.001	0.01	0.37	4.1	0.2	0.7	84.5	0.01	<0.01	2.8
205882		0.15	2.7	600	2.2	1.2	0.001	0.01	0.16	3.9	0.2	0.6	74.3	0.01	<0.01	2.2
205883		0.22	1.5	670	1.1	0.9	<0.001	0.01	0.25	2.4	<0.2	0.5	75.5	<0.01	<0.01	2.1
205884		0.08	5.9	620	1.7	1.5	0.001	0.02	0.23	4.1	0.4	0.5	152.0	0.01	<0.01	2.1
205885		0.21	2.3	650	1.3	1.3	<0.001	0.01	0.31	3.0	<0.2	0.7	120.5	0.01	<0.01	3.2
205886		0.37	2.1	620	2.0	0.9	<0.001	0.01	0.39	1.8	<0.2	0.8	71.0	0.01	<0.01	2.4
205887		0.39	2.3	670	1.4	1.0	<0.001	0.01	0.37	1.6	<0.2	0.6	62.7	0.01	<0.01	2.7
205888		<0.05	2.7	400	37.7	11.1	0.003	0.03	0.41	3.0	<0.2	0.3	50.7	<0.01	<0.01	2.0
205889		0.31	1.7	590	5.4	1.0	<0.001	0.01	0.29	1.7	<0.2	0.6	63.5	<0.01	<0.01	2.5
205890		<0.05	20.7	1210	9.5	9.0	0.056	1.95	4.89	8.6	6.9	0.8	141.5	<0.01	0.22	1.1
205891		0.25	1.2	640	1.9	1.2	<0.001	0.01	0.32	2.1	<0.2	0.6	59.2	<0.01	0.01	2.0
205892		0.24	2.3	590	2.1	1.6	<0.001	0.01	0.24	2.8	<0.2	0.4	51.6	<0.01	<0.01	1.6
205893		0.17	3.4	520	1.9	2.7	<0.001	0.01	0.35	2.6	<0.2	0.5	57.2	<0.01	<0.01	2.0
205894		0.28	2.1	680	4.5	1.9	<0.001	0.01	0.30	2.3	<0.2	0.5	71.7	<0.01	<0.01	1.4
205895		<0.05	2.8	460	28.5	9.0	0.001	0.03	0.34	2.7	0.2	0.3	55.2	<0.01	<0.01	2.0
205896		0.38	2.2	660	1.1	0.8	<0.001	0.01	0.22	1.0	<0.2	0.6	74.8	<0.01	<0.01	1.9
205897		0.39	1.5	720	1.4	1.1	<0.001	0.01	0.29	1.2	<0.2	0.6	77.6	<0.01	<0.01	2.5
205898		0.20	2.2	630	12.4	3.7	<0.001	0.02	0.45	2.4	<0.2	0.9	73.1	<0.01	<0.01	2.9
205899		0.24	1.4	630	2.2	1.6	<0.001	0.01	0.75	2.0	<0.2	0.8	76.5	<0.01	<0.01	3.3
205900		2.26	128.5	1420	0.7	9.5	<0.001	0.03	0.05	7.1	0.4	0.8	155.0	0.03	<0.01	1.4
205901		0.20	2.3	610	3.1	1.7	0.002	0.01	0.78	2.4	<0.2	0.6	70.2	<0.01	<0.01	3.4
205902		0.24	1.8	620	2.5	1.7	0.003	0.02	0.36	1.8	0.2	0.6	54.3	<0.01	<0.01	2.5
205903		0.26	2.0	630	4.3	1.7	0.002	0.02	0.19	1.5	<0.2	0.7	51.2	<0.01	<0.01	2.3
205904		0.23	2.3	680	1.9	1.1	0.005	0.01	0.23	1.9	<0.2	1.0	85.9	<0.01	<0.01	2.8
205905		0.29	1.6	690	2.2	1.0	<0.001	0.01	0.54	1.8	0.2	1.1	91.1	<0.01	<0.01	2.3
205906		0.24	2.1	680	4.6	1.8	0.192	0.02	0.56	1.9	0.2	0.9	68.5	<0.01	0.01	3.0
205907		0.21	2.2	670	5.6	2.3	0.106	0.01	0.49	2.0	0.2	0.7	69.7	<0.01	<0.01	2.5
205908		0.26	2.0	670	3.8	2.0	0.002	0.01	0.27	1.8	<0.2	0.8	62.9	<0.01	<0.01	2.2
205909		0.23	2.1	700	2.9	1.5	0.001	0.01	0.35	2.5	0.2	1.0	75.5	<0.01	<0.01	1.9
205910		<0.05	21.2	1120	8.8	8.8	0.067	1.85	5.77	8.7	6.8	0.8	138.5	<0.01	0.20	1.2
205911		0.08	3.6	650	10.3	4.7	0.004	0.02	0.76	3.4	<0.2	0.7	63.5	<0.01	<0.01	1.9
205912		0.21	2.5	680	11.9	2.1	0.001	0.01	0.83	2.8	<0.2	0.9	93.1	<0.01	<0.01	1.9
205913		0.18	2.2	800	3.3	1.6	0.001	0.01	0.37	2.4	<0.2	0.8	70.3	<0.01	<0.01	2.0
205914		0.16	2.0	860	3.0	1.3	0.002	0.02	0.77	2.2	0.2	0.9	63.8	<0.01	0.03	2.1
205915		0.22	4.0	700	19.3	1.9	0.002	0.02	0.48	2.8	0.2	0.7	73.5	<0.01	<0.01	2.5
205916		0.21	2.6	630	14.2	1.7	0.001	0.02	0.41	2.8	<0.2	0.6	79.4	<0.01	<0.01	2.4



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		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205877		0.054	<0.02	0.89	35	0.05	7.93	11	3.5
205878		0.056	<0.02	1.88	36	0.08	10.80	17	3.5
205879		0.053	0.02	0.92	31	0.06	8.08	14	3.1
205880		0.681	<0.02	0.46	113	0.16	10.40	56	43.1
205881		0.051	0.03	1.45	27	0.07	10.90	20	3.8
205882		0.071	<0.02	1.11	30	0.06	11.80	11	3.8
205883		0.084	<0.02	0.94	24	0.06	7.46	5	3.5
205884		0.024	<0.02	2.43	25	0.15	12.90	14	2.6
205885		0.060	<0.02	1.14	28	0.10	7.16	6	3.0
205886		0.115	<0.02	1.32	38	0.09	7.15	6	4.4
205887		0.107	<0.02	1.57	53	0.50	6.44	7	4.3
205888		<0.005	0.09	1.10	10	0.07	10.90	84	1.1
205889		0.110	<0.02	1.41	22	0.11	6.14	11	4.0
205890		0.010	0.11	0.44	88	4.27	13.55	67	2.5
205891		0.106	<0.02	1.07	22	0.10	5.97	9	3.6
205892		0.087	<0.02	0.95	21	0.07	6.16	17	3.3
205893		0.066	0.02	1.05	21	<0.05	6.96	14	3.0
205894		0.092	<0.02	0.95	32	0.06	6.78	12	4.0
205895		0.008	0.07	1.13	12	0.05	11.15	65	1.2
205896		0.115	<0.02	1.15	52	0.07	6.76	3	5.3
205897		0.117	<0.02	1.41	45	0.12	7.20	4	5.6
205898		0.066	0.03	2.55	22	0.06	7.09	36	5.0
205899		0.095	<0.02	1.51	36	0.05	6.87	7	6.5
205900		0.606	<0.02	0.47	101	0.14	8.80	50	32.0
205901		0.081	<0.02	1.60	32	<0.05	6.30	19	5.5
205902		0.084	<0.02	1.12	54	<0.05	6.48	8	5.3
205903		0.093	<0.02	1.19	62	<0.05	6.85	12	5.8
205904		0.108	<0.02	1.47	48	<0.05	7.98	3	5.6
205905		0.112	<0.02	1.31	30	0.05	7.92	6	6.1
205906		0.085	<0.02	1.55	46	0.05	6.34	15	5.9
205907		0.080	<0.02	1.70	55	0.06	6.31	22	5.5
205908		0.096	<0.02	1.17	60	0.08	6.44	21	5.3
205909		0.102	<0.02	1.60	33	0.05	7.12	26	5.6
205910		0.009	0.09	0.45	82	3.45	13.55	58	2.6
205911		0.041	0.04	2.11	33	<0.05	7.17	65	3.9
205912		0.106	0.02	1.37	29	<0.05	7.15	27	5.7
205913		0.111	<0.02	1.02	38	<0.05	7.14	8	5.8
205914		0.096	<0.02	0.95	33	<0.05	6.47	10	4.6
205915		0.114	0.02	1.29	60	0.05	7.47	38	5.8
205916		0.077	0.02	1.97	23	<0.05	7.18	63	5.2



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		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
205917		6.72	<0.001	0.07	0.74	10.5	<0.2	<10	70	0.19	0.02	2.33	0.10	13.25	1.8	4
205918		5.88	<0.001	0.10	0.57	7.4	<0.2	<10	50	0.21	0.04	2.94	0.08	14.45	1.7	5
205919		6.16	<0.001	0.06	0.57	10.8	<0.2	<10	50	0.18	0.02	1.59	0.07	12.65	1.9	7
205920		0.24	<0.001	0.03	2.50	1.0	<0.2	<10	70	1.29	0.01	2.78	0.07	34.3	36.2	30
205921		6.68	0.002	0.18	0.54	8.8	<0.2	<10	40	0.18	0.08	1.37	2.94	11.90	2.1	6
205922		6.22	0.024	0.26	0.45	6.8	<0.2	<10	50	0.09	0.07	0.93	0.33	13.05	2.8	8
205923		6.34	0.015	0.14	0.51	6.1	<0.2	<10	50	0.13	0.05	0.89	0.15	13.15	2.5	7
205924		6.56	0.028	0.19	0.52	9.7	<0.2	<10	60	0.20	0.11	1.08	0.21	13.50	3.6	7
205925		5.18	<0.001	0.13	0.43	4.6	<0.2	<10	40	0.19	0.01	0.58	0.07	9.02	1.0	8
205926		5.06	0.004	0.05	0.34	3.5	<0.2	<10	50	0.08	0.02	0.53	0.04	9.18	0.9	7
205927		2.62	0.001	0.06	0.64	5.6	<0.2	<10	20	0.31	0.07	4.39	0.11	12.65	2.1	2
205928		5.98	<0.001	0.08	0.49	5.5	<0.2	<10	60	0.22	0.04	2.06	0.10	11.15	0.9	3
205929		5.96	<0.001	0.09	0.46	5.5	<0.2	<10	60	0.15	0.02	1.20	0.05	8.99	0.7	5
205930		0.14	1.225	1.99	2.23	10.2	0.9	<10	160	0.14	0.42	1.33	1.47	5.94	25.1	58
205931		6.68	<0.001	0.11	0.66	5.2	<0.2	<10	40	0.20	0.04	3.02	0.11	11.80	1.6	3
205932		6.74	<0.001	0.01	0.50	4.1	<0.2	<10	50	0.10	0.05	0.92	0.03	9.48	0.5	4
205933		6.20	0.002	0.03	0.47	3.4	<0.2	<10	60	0.06	0.02	0.62	0.03	10.95	1.1	5
205934		6.54	0.024	0.05	0.57	4.1	<0.2	<10	50	0.10	0.02	0.92	0.15	10.65	1.4	5
205935		6.40	0.001	0.03	0.65	4.2	<0.2	<10	50	0.19	0.08	1.42	0.05	11.85	1.4	4
205936		6.32	0.023	0.03	0.53	3.2	<0.2	<10	50	0.12	0.03	0.64	0.03	12.85	2.2	6
205937		6.48	0.010	0.04	0.61	3.8	<0.2	<10	40	0.16	0.10	1.25	0.06	13.05	2.0	4
205938		6.40	0.012	0.12	0.50	3.2	<0.2	<10	40	0.11	0.04	0.72	0.16	12.70	2.6	5
205939		6.42	0.006	0.22	0.92	12.0	<0.2	<10	70	0.44	0.08	2.43	0.17	17.60	7.0	34
205940		0.32	<0.001	0.07	2.04	0.7	<0.2	<10	60	1.01	0.01	2.28	0.06	29.8	32.1	25
205941		6.54	0.020	0.04	0.63	4.6	<0.2	<10	110	0.14	0.03	1.12	0.15	14.20	3.6	4
205942		6.58	0.009	0.05	0.52	5.0	<0.2	<10	50	0.14	0.03	0.96	0.07	13.80	2.5	5
205943		6.00	0.017	0.04	0.48	4.5	<0.2	<10	40	0.12	0.03	1.10	0.08	13.20	3.1	5
205944		6.52	0.003	0.05	0.51	5.2	<0.2	<10	70	0.20	0.04	1.65	0.22	14.25	2.6	3
205945		6.44	0.036	0.44	0.61	4.6	<0.2	<10	120	0.13	0.05	1.22	0.24	15.20	4.2	5
205946		6.44	0.010	0.35	0.58	4.8	<0.2	<10	90	0.12	0.04	0.90	0.25	13.45	3.5	5
205947		6.90	0.001	0.08	0.65	4.0	<0.2	<10	90	0.17	0.06	1.44	0.09	13.40	2.2	4
205948		3.90	0.004	0.06	0.73	3.2	<0.2	<10	30	0.21	0.04	2.36	0.21	14.80	3.6	4
205949		2.96	<0.001	0.04	0.69	3.4	<0.2	<10	30	0.20	0.04	1.71	0.04	16.20	2.3	4
205950		0.14	0.211	1.88	1.48	25.5	0.2	<10	160	0.40	2.43	1.71	0.89	36.0	16.4	62



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Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
205917		0.94	15.0	1.05	2.51	0.09	0.24	<0.01	0.011	0.03	5.9	2.9	0.18	311	0.48	0.14
205918		0.89	6.4	0.63	2.30	0.07	0.25	<0.01	0.016	0.03	6.4	4.7	0.20	445	0.73	0.12
205919		0.83	9.5	0.66	2.01	0.07	0.26	<0.01	0.008	0.03	5.7	2.8	0.21	218	0.51	0.14
205920		0.18	31.5	4.07	9.35	0.19	0.50	<0.01	0.039	0.57	15.3	4.9	3.65	694	2.31	1.11
205921		0.72	42.0	0.93	2.31	0.07	0.32	0.02	0.008	0.03	5.5	4.2	0.21	228	1.36	0.13
205922		0.56	162.0	1.87	2.52	0.08	0.32	0.01	0.009	0.04	6.1	2.8	0.16	216	1.69	0.13
205923		0.73	162.0	1.73	2.55	0.07	0.28	<0.01	0.007	0.04	5.7	2.9	0.16	178	0.86	0.13
205924		0.69	160.5	0.92	2.06	0.07	0.30	0.01	0.007	0.03	5.8	2.3	0.15	182	8.57	0.14
205925		0.75	16.3	0.66	1.83	0.06	0.32	<0.01	<0.005	0.03	4.0	2.3	0.09	103	1.99	0.13
205926		0.56	52.2	0.65	1.47	<0.05	0.32	<0.01	<0.005	0.08	4.2	2.3	0.06	114	0.74	0.11
205927		1.47	8.7	0.63	2.13	<0.05	0.08	<0.01	0.029	0.12	5.8	7.6	0.30	953	0.24	0.05
205928		1.15	5.9	0.39	1.69	<0.05	0.18	<0.01	0.014	0.05	5.1	5.0	0.24	384	0.29	0.08
205929		1.08	7.0	0.33	1.60	0.05	0.23	<0.01	0.008	0.03	4.0	4.3	0.23	195	0.31	0.10
205930		0.78	5230	4.60	6.03	0.11	0.13	0.09	0.144	0.24	2.7	10.0	1.31	393	223	0.15
205931		1.31	10.9	0.48	2.15	<0.05	0.11	<0.01	0.015	0.07	5.4	5.6	0.31	560	0.54	0.07
205932		1.06	4.3	0.28	1.72	0.08	0.23	<0.01	0.014	0.02	4.4	2.6	0.16	110	0.25	0.12
205933		0.65	12.8	1.22	1.80	0.07	0.27	<0.01	0.005	0.02	5.0	1.9	0.11	75	0.33	0.12
205934		0.69	36.9	1.25	1.98	0.07	0.26	<0.01	<0.005	0.03	4.9	3.0	0.17	141	0.93	0.14
205935		1.13	6.5	0.67	2.46	0.08	0.26	<0.01	0.035	0.04	5.7	4.8	0.22	266	0.38	0.11
205936		0.63	20.9	1.34	2.50	0.08	0.27	<0.01	0.007	0.04	6.3	4.3	0.21	144	0.31	0.11
205937		1.02	28.1	0.79	2.69	0.07	0.25	<0.01	0.034	0.04	6.3	6.6	0.27	271	0.23	0.10
205938		0.70	57.7	1.27	2.56	0.08	0.24	<0.01	0.010	0.04	6.4	4.8	0.21	199	0.51	0.09
205939		1.13	38.3	1.57	3.94	0.07	0.26	<0.01	0.033	0.08	8.8	12.3	0.59	989	0.41	0.09
205940		0.15	23.4	3.43	7.64	0.17	0.71	<0.01	0.033	0.47	13.3	4.1	3.18	606	2.06	0.83
205941		0.66	20.9	1.40	2.98	0.08	0.24	<0.01	0.009	0.05	7.0	3.5	0.17	306	0.42	0.11
205942		0.64	35.8	1.37	2.59	0.08	0.27	<0.01	0.009	0.03	6.9	3.7	0.17	243	0.41	0.11
205943		0.52	50.0	1.61	2.31	0.07	0.28	<0.01	0.007	0.04	6.5	2.1	0.13	266	0.50	0.11
205944		1.08	6.6	0.76	2.37	0.07	0.23	<0.01	0.019	0.03	7.4	5.3	0.24	518	0.23	0.08
205945		1.05	187.0	1.64	3.42	0.07	0.18	<0.01	0.013	0.07	7.3	9.0	0.38	513	0.48	0.08
205946		0.95	66.2	1.49	3.23	0.07	0.23	<0.01	0.010	0.06	6.4	6.7	0.30	344	0.57	0.09
205947		1.52	10.3	0.61	2.99	0.08	0.19	<0.01	0.018	0.04	6.2	7.4	0.34	383	0.25	0.09
205948		1.44	3.9	0.78	2.99	0.06	0.15	<0.01	0.023	0.08	7.2	10.4	0.44	812	0.22	0.08
205949		1.64	4.0	0.71	2.97	0.06	0.19	<0.01	0.023	0.05	7.9	9.2	0.38	518	0.26	0.10
205950		1.77	1845	3.82	4.94	0.09	0.12	0.09	0.062	0.49	19.3	7.7	0.81	351	142.5	0.06



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		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
		0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
205917		0.12	4.3	690	6.5	1.6	0.001	0.02	0.53	4.3	0.2	0.5	105.5	<0.01	<0.01	2.9
205918		0.10	3.9	670	10.3	1.9	0.002	0.02	0.54	4.4	0.2	0.7	89.9	<0.01	<0.01	2.2
205919		0.16	3.6	910	5.9	1.5	<0.001	0.02	0.57	3.1	<0.2	0.5	81.0	<0.01	<0.01	3.1
205920		2.21	137.0	1650	1.3	14.1	<0.001	0.04	0.05	9.4	0.5	1.0	171.5	0.02	<0.01	1.6
205921		0.22	3.9	730	74.9	1.9	0.002	0.03	0.95	2.9	0.3	0.5	63.4	<0.01	0.01	2.9
205922		0.27	2.6	650	25.7	1.7	0.006	0.03	0.91	2.4	0.2	0.4	49.2	<0.01	0.04	3.1
205923		0.23	3.1	640	4.4	1.7	0.001	0.02	0.34	2.2	0.2	0.4	56.9	<0.01	0.01	2.8
205924		0.17	4.3	620	12.2	1.7	0.028	0.03	0.45	2.7	0.4	0.5	65.4	<0.01	0.03	3.4
205925		0.29	1.9	250	5.6	1.7	0.002	0.01	0.35	1.1	<0.2	0.3	56.0	<0.01	<0.01	7.4
205926		0.20	1.5	90	2.4	2.5	0.002	0.01	0.28	0.7	<0.2	0.2	28.2	<0.01	0.01	9.0
205927		<0.05	3.4	410	6.9	6.3	0.001	0.02	0.25	2.6	<0.2	0.2	55.4	<0.01	0.01	4.4
205928		0.13	1.9	660	9.4	3.1	<0.001	0.01	0.69	3.4	<0.2	0.4	47.2	<0.01	0.01	2.0
205929		0.15	1.8	630	13.7	1.9	0.001	0.01	0.27	2.1	<0.2	0.4	45.4	<0.01	0.01	2.0
205930		0.24	38.4	670	21.4	8.0	0.316	2.15	7.10	6.6	3.5	1.9	39.4	0.01	0.24	0.6
205931		0.08	3.4	660	4.6	4.0	0.002	0.02	0.19	3.3	0.2	0.4	58.8	<0.01	0.01	2.0
205932		0.13	1.0	620	3.4	1.4	<0.001	0.01	0.66	1.8	<0.2	0.4	89.2	<0.01	<0.01	2.3
205933		0.14	1.8	630	1.9	1.0	<0.001	0.01	0.33	1.4	<0.2	0.5	73.7	<0.01	0.01	2.3
205934		0.16	2.3	600	4.4	1.3	0.002	0.01	0.27	2.2	<0.2	0.5	70.8	<0.01	<0.01	2.7
205935		0.12	1.9	610	3.4	2.5	0.001	0.01	0.83	2.7	<0.2	0.5	91.6	<0.01	0.01	2.7
205936		0.09	1.8	630	1.6	1.5	0.002	0.01	0.56	1.8	<0.2	0.3	65.9	<0.01	0.01	3.3
205937		0.09	2.1	600	3.4	2.2	<0.001	0.01	1.04	2.4	<0.2	0.4	70.1	<0.01	0.01	3.3
205938		0.10	1.7	610	8.1	1.7	0.001	0.01	1.44	2.2	<0.2	0.3	49.2	<0.01	<0.01	2.9
205939		0.06	17.4	820	23.1	4.9	<0.001	0.01	1.02	4.8	0.2	0.3	77.7	<0.01	<0.01	2.9
205940		2.42	127.5	1430	0.8	11.6	0.002	0.03	0.05	7.8	0.3	0.8	144.0	0.04	<0.01	1.5
205941		0.19	2.5	630	3.2	1.6	0.001	0.01	0.52	2.6	<0.2	0.3	69.2	0.01	0.01	2.7
205942		0.12	2.5	660	3.0	1.4	<0.001	0.01	0.49	2.3	<0.2	0.3	69.0	<0.01	0.01	2.9
205943		0.12	2.5	620	1.9	1.5	<0.001	0.01	0.21	2.4	<0.2	0.4	72.2	<0.01	<0.01	2.6
205944		0.07	2.2	630	4.9	2.1	0.001	0.01	0.75	3.4	<0.2	0.3	62.9	<0.01	<0.01	3.8
205945		0.06	2.7	600	9.6	3.6	0.001	0.02	1.57	3.3	0.3	0.3	43.4	<0.01	0.03	2.5
205946		0.06	2.2	610	8.0	2.5	0.001	0.01	1.59	2.9	<0.2	0.3	50.0	<0.01	0.01	2.1
205947		0.06	2.0	650	5.8	2.5	<0.001	0.02	1.17	3.3	0.2	0.4	63.0	<0.01	0.02	2.3
205948		<0.05	3.5	690	18.7	4.6	<0.001	0.01	0.43	4.7	<0.2	0.3	69.0	<0.01	<0.01	2.1
205949		<0.05	2.7	690	5.2	3.0	<0.001	0.01	0.61	4.4	0.2	0.3	64.8	<0.01	0.01	2.2
205950		0.12	16.0	700	20.8	30.1	0.036	1.80	5.34	6.7	2.7	1.7	67.0	<0.01	0.35	9.4



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		Ti	Ti	U	V	W	Y	Zn	Zr
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
205917		0.049	<0.02	1.86	48	<0.05	9.80	29	4.3
205918		0.047	0.02	2.81	31	<0.05	10.80	34	4.2
205919		0.071	0.02	3.03	30	<0.05	8.52	26	4.7
205920		0.711	<0.02	0.63	117	0.13	11.10	58	33.7
205921		0.082	<0.02	2.03	38	<0.05	7.79	105	5.5
205922		0.084	<0.02	1.24	61	0.05	7.74	35	5.5
205923		0.081	<0.02	1.11	59	0.05	7.84	17	5.0
205924		0.064	0.02	3.73	43	<0.05	8.90	24	4.9
205925		0.054	<0.02	1.27	22	<0.05	4.61	9	5.1
205926		0.025	0.02	1.53	13	<0.05	3.27	9	4.6
205927		<0.005	0.05	3.41	14	<0.05	6.90	104	1.8
205928		0.046	0.02	1.13	22	<0.05	6.77	35	3.4
205929		0.063	<0.02	0.99	22	<0.05	5.38	23	3.6
205930		0.176	0.36	0.37	82	14.80	6.97	207	3.4
205931		0.021	0.03	1.86	19	0.07	7.80	66	2.2
205932		0.073	<0.02	0.70	19	<0.05	5.14	13	3.6
205933		0.079	<0.02	0.74	43	<0.05	5.83	7	3.7
205934		0.076	<0.02	0.78	49	<0.05	5.93	15	3.6
205935		0.059	0.02	0.91	27	<0.05	6.58	31	3.9
205936		0.062	<0.02	0.99	44	<0.05	5.56	10	3.8
205937		0.050	0.02	1.76	29	<0.05	6.14	23	3.6
205938		0.058	<0.02	1.11	42	<0.05	5.71	19	3.6
205939		0.047	0.03	1.43	52	<0.05	9.15	151	6.2
205940		0.576	<0.02	0.44	97	0.16	8.71	48	38.9
205941		0.058	<0.02	1.53	43	<0.05	7.51	23	3.9
205942		0.069	<0.02	1.02	47	<0.05	7.59	17	3.9
205943		0.059	<0.02	1.61	54	<0.05	7.52	19	4.2
205944		0.040	0.02	2.33	25	<0.05	9.09	58	3.5
205945		0.028	0.02	0.62	48	<0.05	8.07	84	2.9
205946		0.038	<0.02	0.48	46	<0.05	5.92	47	3.4
205947		0.032	0.02	0.86	25	<0.05	5.92	54	3.3
205948		0.019	0.03	1.13	28	<0.05	8.50	102	2.6
205949		0.036	0.02	0.82	31	<0.05	8.60	65	3.4
205950		0.038	0.28	3.85	56	2.32	10.00	60	3.6



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Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10071641

Method	CERTIFICATE COMMENTS
ME-MS41 ME-MS41	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). Interference: Mo>400ppm on ICP-MS Cd,ICP-AES results shown.

**Appendix 33:
XRF Analytical Method Specification Sheet**

Field Portable XRF (X-ray Fluorescence) Method Specifications- Soil Samples*

Instrument: Innov-X System XPD6000 Omega™ Series Handheld XRF Analyzer.

Certified NDT Operator: Jeffery W. Hamilton, Gold Fields Horsefly Exploration; Level 1 X-Ray Fluorescence Operator

Elements Analysed: In the “Soil” Mode there is a suite of 30 elements that can be Analysed; however due to the lack of sensitivity of some detection limits (note “Soil” mode elements are analyzed in ppm only), the lack of Vacuum Enhanced Operations to measure light elements and the performance of the elements in the standards, only a selection of the 30 elements were detected. The instrument gave readings for Ag, As, Ba, Co, Cr, Cu, Fe, Ni, Mn, Mo, Pb, Rb, Sb, Sr, Ti, Zn, Zr. Of these elements, **Cu, Fe, Mn, Ti and Zn** are considered usable on a consistent basis.

Method Description (Soil Samples):

All samples are allowed to air dry at least one day to reduce moisture content. At the start of an analysis session and periodically during a testing session the instrument is standardized/calibrated. The difference between the XRF result and the value of the standard for each element should be 20% or less. Soil samples, collected in single ply brown kraft packets, are shaken to homogenise the material. Using the “Soil” Mode, the material analysed for 1 min through the packet.

QA/QC:

At the start of an analysis session and periodically during a testing session the instrument is standardized/calibrated using the standard reference samples provided by Innov-X, in this particular case the 316 clip. An analysis of an appropriate standard reference material is done between every 20 samples. The SM-2 standard was used and the Summary Information is attached below.

*Due to variable levels of accuracy and precision, this method should not be a direct replacement for laboratory analysis. This method should be considered as an alternative to geochemical analysis at early stages of exploration as it provides real time geochemical data with a high degree of analytical accuracy in a short periods of time. Currently, this method of analysis is not a commonly accepted industry standard for geochemical analysis. This method is not a 43-101 compliant analysis.

Summary information for SM-2

Standard id	SM-2
Standard Name	Saddle Mountain 2
Standard Source	Drill rejects, Saddle Mountain Project, AZ
Project	Standards
County	
State	Arizona
Country	USA
Collected by	Mark Pecha
Date Prepared	12/1/95
Prepared by	Hazen Research, Golden, CO
Amount (lbs)	200
Final Mesh Size	-200
Standard Preparation	jaw crushed, ball milled for 48 hrs, sieve checked, packaged
Description	

Recommendations and Guidelines:

SM-2 can be used as a standard for reconnaissance exploration for copper mineralization.

Table 1, gives guidelines for six elements. Additional elements and statistics can be found in the descriptive statistics section.

Table 1. Mean and range guidelines for six trace elements in SM-2.

Element	Mean	N	Acceptable Range Guidelines
Cu (ppm)	347	90	Max: 375 Min: 325
Co (ppm)	22	50	Max: 25 Min: 19
Cr (ppm)	21	50	Max: 23 Min: 19
Ti (ppm)	0.165	50	Max: 0.20 Min: 0.13
V (ppm)	84	50	Max: 94 Min: 74
Zn (ppm)	73	90	Max: 83 Min: 63

Please refer to appended tables and graphs for additional information including:

- Box and whisker plots (Cu, Co, Cr, Ti, V, Zn) showing the population distribution for each lab and for the entire population
- Descriptive statistics (count, mean, minimum, maximum, standard deviation) for 40 elements
- Descriptive statistics by analytical lab
- Data listing

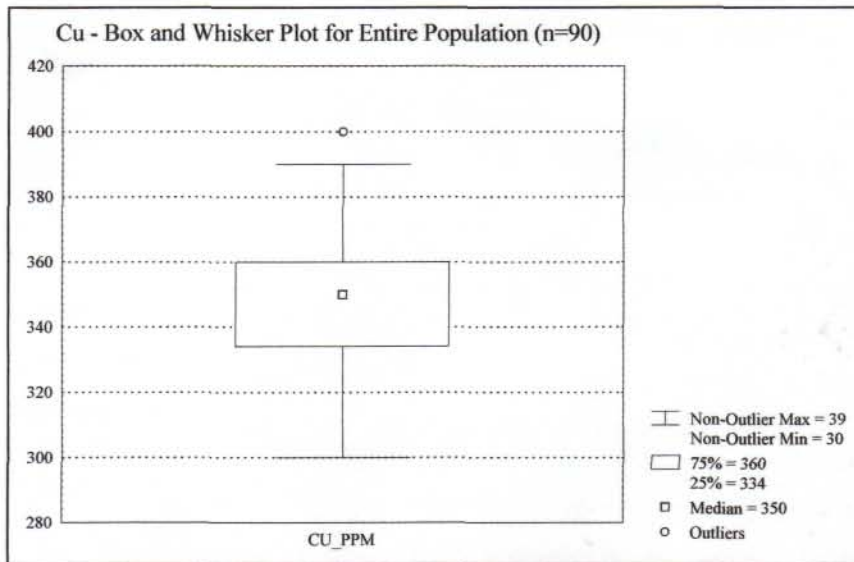


Figure 1. Box and whisker plot showing the distribution of copper analyses from all laboratories.

Standard Performance: SM-2 is a useful copper standard for exploration purposes, with a mean Cu value of 347 ppm. It was created from Cu bearing drill rejects from a porphyry copper project in Arizona. The standard shows low variability based on total population distribution and also individual lab populations (refer to Figures 1 and 2). Table 2, summarizes the performance and utility for associated trace elements in SM-2.

Table 2. Performance and utility of trace elements in SM-2.

Performance and Utility	Trace Elements
Good performance and utility:	Cu, Co, Cr, Ti, V, Zn,
Variable performance and utility:	Ba, Mn, Ni, Sc, Sr, P, Y
At or near detection limits:	Ag, Li, Mo, Pb, Sb

Laboratory Performance:

Laboratory results for SM-2 are adequate. Cone results for copper and zinc showed a wider range than other labs tested. Descriptive statistics for each lab have been appended.

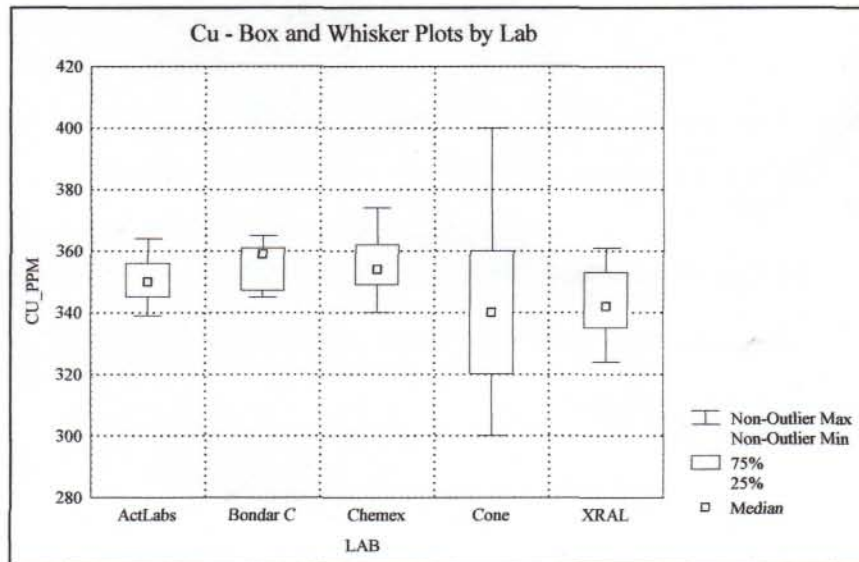


Figure 2. Box and whisker plots for copper analyses grouped by lab.

**Appendix 34:
ALS Chemex Method Specification Sheets**

**Sample Preparation Package – PREP-31****Standard Sample Preparation: Dry, Crush, Split and Pulverize**

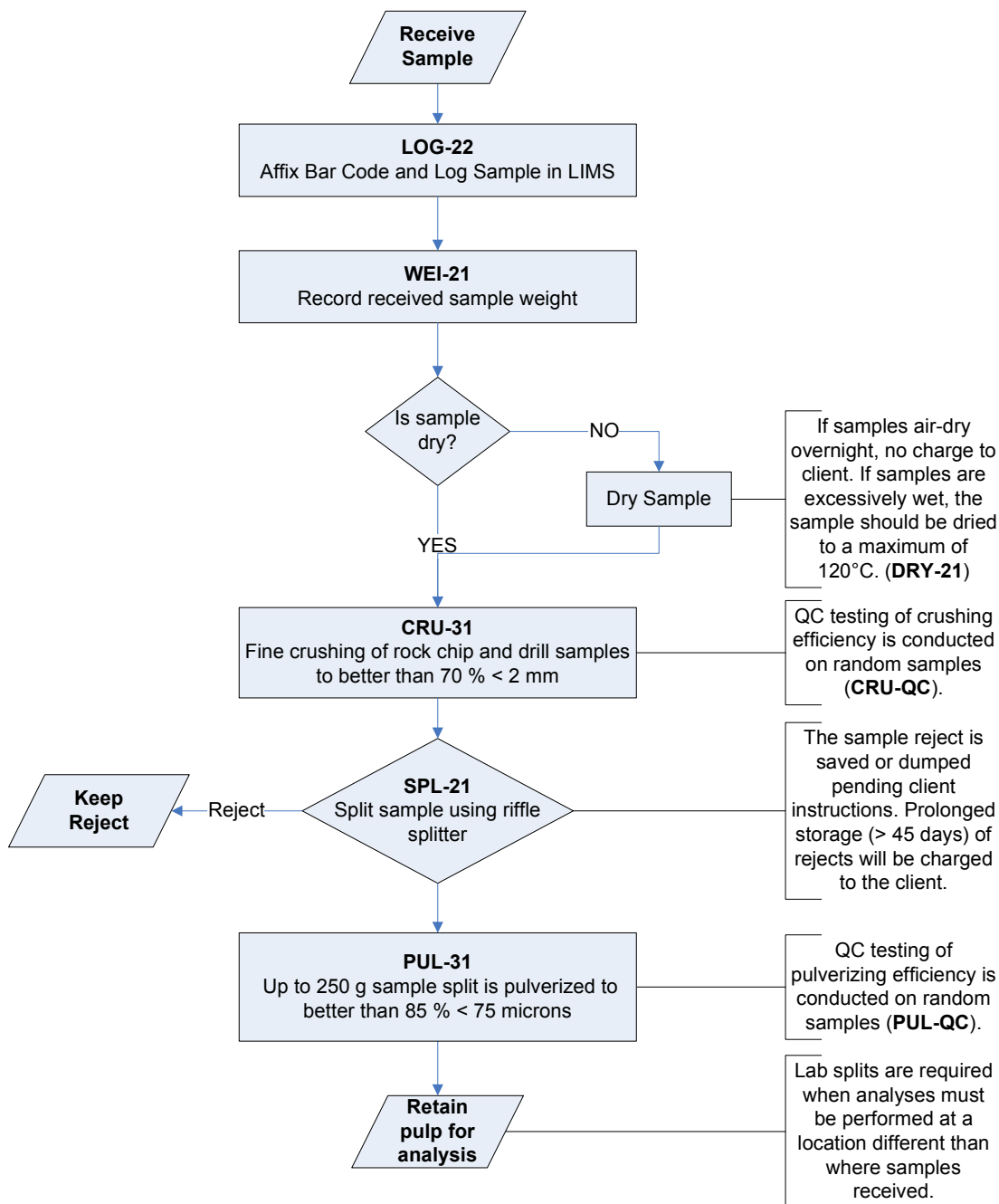
Sample preparation is the most critical step in the entire laboratory operation. The purpose of preparation is to produce a homogeneous analytical sub-sample that is fully representative of the material submitted to the laboratory.

The sample is logged in the tracking system, weighed, dried and finely crushed to better than 70 % passing a 2 mm (Tyler 9 mesh, US Std. No.10) screen. A split of up to 250 g is taken and pulverized to better than 85 % passing a 75 micron (Tyler 200 mesh, US Std. No. 200) screen. This method is appropriate for rock chip or drill samples.

Method Code	Description
LOG-22	Sample is logged in tracking system and a bar code label is attached.
DRY-21	Drying of excessively wet samples in drying ovens. This is the default drying procedure for most rock chip and drill samples.
CRU-31	Fine crushing of rock chip and drill samples to better than 70 % of the sample passing 2 mm.
SPL-21	Split sample using riffle splitter.
PUL-31	A sample split of up to 250 g is pulverized to better than 85 % of the sample passing 75 microns.



Flow Chart - Sample Preparation Package – PREP-31
Standard Sample Preparation: Dry, Crush, Split and Pulverize





Geochemical Procedure – ME-MS41
Ultra-Trace Level Methods Using ICP-MS and ICP-AES

Sample Decomposition: Aqua Regia Digestion (GEO-AR01)
Analytical Method: Inductively Coupled Plasma-Atomic Emission Spectroscopy (ICP-AES)
 Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)

A prepared sample (0.50 g) is digested with aqua regia in a graphite heating block. After cooling, the resulting solution is diluted to with deionized water, mixed and analyzed by inductively coupled plasma-atomic emission spectrometry. Following this analysis, the results are reviewed for high concentrations of bismuth, mercury, molybdenum, silver and tungsten and diluted accordingly. Samples are then analysed by ICP-MS for the remaining suite of elements. The analytical results are corrected for inter-element spectral interferences.

Element	Symbol	Units	Lower Limit	Upper Limit
Silver	Ag	ppm	0.01	100
Aluminum	Al	%	0.01	25
Arsenic	As	ppm	0.1	10 000
Gold	Au	ppm	0.2	25
Boron	B	ppm	10	10 000
Barium	Ba	ppm	10	10 000
Beryllium	Be	ppm	0.05	1 000
Bismuth	Bi	ppm	0.01	10 000
Calcium	Ca	%	0.01	25
Cadmium	Cd	ppm	0.01	1 000
Cerium	Ce	ppm	0.02	500
Cobalt	Co	ppm	0.1	10 000



Element	Symbol	Units	Lower Limit	Upper Limit
Chromium	Cr	ppm	1	10 000
Cesium	Cs	ppm	0.05	500
Copper	Cu	ppm	0.2	10 000
Iron	Fe	%	0.01	50
Gallium	Ga	ppm	0.05	10 000
Germanium	Ge	ppm	0.05	500
Hafnium	Hf	ppm	0.02	500
Mercury	Hg	ppm	0.01	10 000
Indium	In	ppm	0.005	500
Potassium	K	%	0.01	10
Lanthanum	La	ppm	0.2	10 000
Lithium	Li	ppm	0.1	10 000
Magnesium	Mg	%	0.01	25
Manganese	Mn	ppm	5	50 000
Molybdenum	Mo	ppm	0.05	10 000
Sodium	Na	%	0.01	10
Niobium	Nb	ppm	0.05	500
Nickel	Ni	ppm	0.2	10 000
Phosphorus	P	ppm	10	10 000
Lead	Pb	ppm	0.2	10 000
Rubidium	Rb	ppm	0.1	10 000
Rhenium	Re	ppm	0.001	50
Sulphur	S	%	0.01	10
Antimony	Sb	ppm	0.05	10 000
Scandium	Sc	ppm	0.1	10 000
Selenium	Se	ppm	0.2	1 000



Element	Symbol	Units	Lower Limit	Upper Limit
Tin	Sn	ppm	0.2	500
Strontium	Sr	ppm	0.2	10 000
Tantalum	Ta	ppm	0.01	500
Tellurium	Te	ppm	0.01	500
Thorium	Th	ppm	0.2	10000
Titanium	Ti	%	0.005	10
Thallium	Tl	ppm	0.02	10 000
Uranium	U	ppm	0.05	10 000
Vanadium	V	ppm	1	10 000
Tungsten	W	ppm	0.05	10 000
Yttrium	Y	ppm	0.05	500
Zinc	Zn	ppm	2	10 000
Zirconium	Zr	ppm	0.5	500

NOTE: In the majority of geological matrices, data reported from an aqua regia leach should be considered as representing only the leachable portion of the particular analyte.



Fire Assay Procedure - Au-ICP21 and Au-ICP22
Fire Assay Fusion ICP-AES Finish

Sample Decomposition: Fire Assay Fusion (FA-FUSPG1 & FA-FUSPG2)
Analytical Method: Inductively Coupled Plasma – Atomic Emission Spectrometry (ICP-AES)

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents as required, inquarted with 6 mg of gold-free silver and then cupelled to yield a precious metal bead.

The bead is digested in 0.5 mL dilute nitric acid in the microwave oven. 0.5 mL concentrated hydrochloric acid is then added and the bead is further digested in the microwave at a lower power setting. The digested solution is cooled, diluted to a total volume of 4 mL with de-mineralized water, and analyzed by inductively coupled plasma atomic emission spectrometry against matrix-matched standards.

Method Code	Element	Symbol	Units	Sample Weight (g)	Lower Limit	Upper Limit	Default Overlimit Method
Au-ICP21	Gold	Au	ppm	30	0.001	10	Au-AA25
Au-ICP22	Gold	Au	ppm	50	0.001	10	Au-AA26



Assay Procedure – ME-OG46
Ore Grade Elements by Aqua Regia Digestion Using
Conventional ICP-AES Analysis

Sample Decomposition: HNO₃-HCl Digestion (ASY-4R01)
Analytical Method: Inductively Coupled Plasma - Atomic Emission Spectroscopy (ICP - AES)*

Assays for the evaluation of ores and high-grade materials are optimized for accuracy and precision at high concentrations. Ultra high concentration samples (> 15 -20%) may require the use of methods such as titrimetric and gravimetric analysis, in order to achieve maximum accuracy.

A prepared sample is digested in 75% aqua regia for 120 minutes. After cooling, the resulting solution is diluted to volume (100 mL) with de-ionized water, mixed and then analyzed by inductively coupled plasma - atomic emission spectrometry or by atomic absorption spectrometry.

***NOTE:** ICP-AES is the default finish technique for ME-OG46. However, under some conditions and at the discretion of the laboratory an AA finish may be substituted. The certificate will clearly reflect which instrument finish was used.

Element	Symbol	Units	Lower Limit	Upper Limit
Silver	Ag	ppm	1	1500
Arsenic	As	%	0.01	30
Cadmium	Cd	%	0.001	10
Cobalt	Co	%	0.001	20
Copper	Cu	%	0.001	40
Iron	Fe	%	0.01	100
Manganese	Mn	%	0.01	50
Molybdenum	Mo	%	0.001	10
Nickel	Ni	%	0.001	10
Lead	Pb	%	0.001	20
Zinc	Zn	%	0.001	60



Geochemical Procedure - ME-MS81
Ultra-Trace Level Methods

Sample Decomposition: Lithium Metaborate Fusion (FUS-LI01)
Analytical Method: Inductively Coupled Plasma - Mass Spectroscopy (ICP - MS)

A prepared sample (0.200 g) is added to lithium metaborate flux (0.90 g), mixed well and fused in a furnace at 1000 °C. The resulting melt is then cooled and dissolved in 100 mL of 4% HNO₃ / 2% HCl solution. This solution is then analyzed by inductively coupled plasma - mass spectrometry.

Element	Symbol	Units	Lower Limit	Upper Limit
Silver*	Ag	ppm	1	1000
Barium	Ba	ppm	0.5	10000
Cerium	Ce	ppm	0.5	10000
Cobalt*	Co	ppm	0.5	10000
Chromium	Cr	ppm	10	10000
Cesium	Cs	ppm	0.01	10000
Copper*	Cu	ppm	5	10000
Dysprosium	Dy	ppm	0.05	1000
Erbium	Er	ppm	0.03	1000
Europium	Eu	ppm	0.03	1000
Gallium	Ga	ppm	0.1	1000
Gadolinium	Gd	ppm	0.05	1000
Hafnium	Hf	ppm	0.2	10000
Holmium	Ho	ppm	0.01	1000
Lanthanum	La	ppm	0.5	10000
Lutetium	Lu	ppm	0.01	1000



Element	Symbol	Units	Lower Limit	Upper Limit
Molybdenum*	Mo	ppm	2	10000
Niobium	Nb	ppm	0.2	10000
Neodymium	Nd	ppm	0.1	10000
Nickel*	Ni	ppm	5	10000
Lead*	Pb	ppm	5	10000
Praseodymium	Pr	ppm	0.03	1000
Rubidium	Rb	ppm	0.2	10000
Samarium	Sm	ppm	0.03	1000
Tin	Sn	ppm	1	10000
Strontium	Sr	ppm	0.1	10000
Tantalum	Ta	ppm	0.1	10000
Terbium	Tb	ppm	0.01	1000
Thorium	Th	ppm	0.05	1000
Thallium	Tl	ppm	0.5	1000
Thulium	Tm	ppm	0.01	1000
Uranium	U	ppm	0.05	1000
Vanadium	V	ppm	5	10000
Tungsten	W	ppm	1	10000
Yttrium	Y	ppm	0.5	10000
Ytterbium	Yb	ppm	0.03	1000
Zinc*	Zn	ppm	5	10000
Zirconium	Zr	ppm	2	10000

***Note:** Some base metal oxides and sulfides may not be completely decomposed by the lithium borate fusion. Results for Ag, Co, Cu, Mo, Ni, Pb, and Zn will not likely be quantitative by this method.



Adding Base Metals – ME-AQ81, ME-4ACD81

Sample Decomposition: Aqua Regia (GEO-AR01) or 4-acid (GEO-4ACID)
Analytical Method: Inductively Coupled Plasma – Atomic Emission spectroscopy (ICP - AES)

The lithium metaborate fusion is not the preferred method for the determination of base metals. Many sulfides and some metal oxides are only partially decomposed by the borate fusion and some elements such as cadmium and zinc can be volatilized.

Base metals can be reported with ME-MS81 for either an aqua regia digestion (**ME-AQ81**) or a four acid digestion (**ME-4ACD81**). The four acid digestion is preferred when the targets include more resistive mineralization such as that associated with nickel and cobalt.

Element	Symbol	Units	Lower Limit	Upper Limit
Silver	Ag	ppm	0.5	100
Arsenic	As	ppm	5	10000
Cadmium	Cd	ppm	0.5	10000
Cobalt	Co	ppm	1	10000
Copper	Cu	ppm	1	10000
Mercury**	Hg	ppm	1	10000
Molybdenum	Mo	ppm	1	10000
Nickel	Ni	ppm	1	10000
Lead	Pb	ppm	1	10000
Zinc	Zn	ppm	2	10000

**Hg is only offered with the aqua regia digestion.



Whole Rock Geochemistry – ME-ICP06 and OA-GRA05
Analysis of major oxides by ICP-AES

ME-ICP06

Sample Decomposition: Lithium Metaborate/Lithium Tetraborate
(LiBO₂/Li₂B₄O₇) Fusion* (FUS-LI01)
Analytical Method: Inductively Coupled Plasma - Atomic
Emission Spectroscopy (ICP-AES)

A prepared sample (0.200 g) is added to lithium metaborate/lithium tetraborate flux (0.90 g), mixed well and fused in a furnace at 1000 °C. The resulting melt is then cooled and dissolved in 100 mL of 4% nitric acid/2% hydrochloric acid. This solution is then analyzed by ICP-AES and the results are corrected for spectral inter-element interferences. Oxide concentration is calculated from the determined elemental concentration and the result is reported in that format.

Element	Symbol	Units	Lower Limit	Upper Limit
Aluminum	Al ₂ O ₃	%	0.01	100
Barium	BaO	%	0.01	100
Calcium	CaO	%	0.01	100
Chromium	Cr ₂ O ₃	%	0.01	100
Iron	Fe ₂ O ₃	%	0.01	100
Magnesium	MgO	%	0.01	100
Manganese	MnO	%	0.01	100
Phosphorus	P ₂ O ₅	%	0.01	100
Potassium	K ₂ O	%	0.01	100
Silicon	SiO ₂	%	0.01	100
Sodium	Na ₂ O	%	0.01	100
Strontium	SrO	%	0.01	100
Titanium	TiO ₂	%	0.01	100



***Note:** For samples that are high in sulphides, we may substitute a peroxide fusion in order to obtain better results.

OA-GRA05, ME-GRA05

Sample Decomposition: Thermal decomposition Furnace or TGA
(OA-GRA05 or ME-GRA05)
Analytical Method: Gravimetric

If required, the total oxide content is determined from the ICP analyte concentrations and loss on Ignition (L.O.I.) values. A prepared sample (1.0 g) is placed in an oven at 1000°C for one hour, cooled and then weighed. The percent loss on ignition is calculated from the difference in weight.

Method Code	Parameter	Symbol	Units	Lower Limit	Upper Limit
OA-GRA05	Loss on Ignition (Furnace)	LOI	%	0.01	100
ME-GRA05	Loss on Ignition (TGA)	Moisture	%	0.01	100
		LOI	%	0.01	100



Geochemical Procedure - Selective Leach Geochemistry

Sample Decomposition: **ME-MS05** Cold Hydroxylamine Hydrochloride Leach
 ME-MS06 Hot Hydroxylamine Hydrochloride Leach
 ME-MS07 Sodium Pyrophosphate Leach

Analytical Method: Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)

ME-MS05: Cold Hydroxylamine Hydrochloride.

- A prepared sample (1.0 gram) is mixed with 20 ml of a hydroxylamine hydrochloride solution (0.1 M in 0.01M HNO₃) and rolled for two hours at room temperature. The final solution is then separated from the solids by centrifuging and decanting the supernatant. The solution is then analyzed by ICP-MS and the results are corrected for spectral interferences.

ME-MS06: Hot Hydroxylamine Hydrochloride

- A prepared sample (1.0 gram) is mixed with 20 ml of a hydroxylamine hydrochloride solution (0.25 M in 0.25M HCl) and digested in a water bath at 60°C for two hours. Leach solutions are shaken every 20 minutes while in the water bath. The final solution is then separated from the solids by centrifuging and decanting the supernatant. The solution is then analyzed by ICP-MS and the results are corrected for spectral interferences.

ME-MS07: Sodium Pyrophosphate

- A prepared sample (1.0 gram) is mixed with 25 ml of a sodium pyrophosphate solution (0.1 M) and rolled for one hour at room temperature. The final solution is then separated from the solids by centrifuging and decanting the supernatant. The solution is then analyzed by ICP-MS and the results are corrected for spectral interferences



<u>ALS Chemex Code</u>	<u>Element</u>	<u>Symbol</u>	<u>Detection Limit (ppb)</u>
9001	Silver	Ag	2
9002	Aluminum	Al	1,000
9003	Arsenic	As	100
9004	Gold	Au	50
9056	Boron	B	2,000
9005	Barium	Ba	50
9006	Beryllium	Be	50
9007	Bismuth	Bi	5
9008	Bromine	Br	2,000
9009	Calcium	Ca	10,000
9010	Cadmium	Cd	10
9011	Cerium	Ce	5
9013	Cobalt	Co	50
9014	Chromium	Cr	50
9015	Cesium	Cs	5
9016	Copper	Cu	50
9017	Dysprosium	Dy	5
9018	Erbium	Er	5
9019	Europium	Eu	5
9020	Iron	Fe	5,000
9057	Gallium	Ga	50
9021	Gadolinium	Gd	5
9058	Germanium	Ge	100
9059	Hafnium	Hf	10
9022	Mercury	Hg	100
9023	Holmium	Ho	5
9024	Iodine	I	100
9060	Indium	In	5
9025	Potassium	K	5,000
9061	Lanthanum	La	5
9026	Lithium	Li	50
9027	Lutetium	Lu	5
9028	Magnesium	Mg	1,000
9029	Manganese	Mn	100
9030	Molybdenum	Mo	10



<u>ALS Chemex Code</u>	<u>Element</u>	<u>Symbol</u>	<u>Detection Limit (ppb)</u>
9031	Sodium	Na	10,000
9032	Niobium	Nb	10
9033	Neodymium	Nd	5
9034	Nickel	Ni	50
9035	Phosphorus	P	5,000
9036	Lead	Pb	100
9037	Praseodymium	Pr	5
9038	Rubidium	Rb	10
9062	Rhenium	Re	1
9039	Antimony	Sb	5
9040	Selenium	Se	500
9041	Samarium	Sm	5
9042	Tin	Sn	50
9043	Strontium	Sr	50
9063	Tantalum	Ta	10
9044	Terbium	Tb	5
9045	Tellurium	Te	50
9046	Thorium	Th	10
9047	Titanium	Ti	1,000
9048	Thallium	Tl	5
9049	Thulium	Tm	5
9050	Uranium	U	5
9051	Vanadium	V	50
9052	Tungsten	W	10
9064	Yttrium	Y	5
9053	Ytterbium	Yb	5
9054	Zinc	Zn	200
9055	Zirconium	Zr	50
8037	Final pH	pH	0.10 pH units

Note: After leaching, the final pH of the solution is determined with a pH electrode.

**Appendix 35:
Certified Standard Reference Material Assay
Certificates**

CDN Resource Laboratories Ltd.

#2, 20148 - 102nd Avenue, Langley, B.C., Canada, V1M 4B4, Ph: 604-882-8422 Fax: 604-882-8466
(www.cdnlabs.com)

REFERENCE MATERIAL: CDN-CGS-23

Recommended values and the "Between Lab" Two Standard Deviations

Copper concentration: 0.182 ± 0.010 %

Gold concentration: 0.218 ± 0.036 g/t (Provisional value only, RSD = 8.17%)

PREPARED BY: CDN Resource Laboratories Ltd.

CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia

INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.

DATE OF CERTIFICATION: November 17, 2009

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 270 mesh screen. The +270 material was discarded. The -270 material was mixed for 5 days in a double-cone blender. Splits were taken and sent to 14 laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

The ore was supplied by Pacific Sentinel from the Casino Property in the Yukon Territory, Canada. Copper-gold-molybdenum mineralization is genetically related to a breccia and microbreccia pipe of fine grained quartz monzonites, intrusion breccias, and plagioclase-porphyritic intrusions that may be subvolcanic in origin, comprising part of the 72-74 Ma Casino Intrusive Complex. Roughly centred on the microbreccia pipe, both the alteration and mineralization are zoned. Innermost is the potassic alteration suite consisting of K-feldspar, biotite, magnetite, anhydrite, gypsum, and pyrite, chalcopyrite, molybdenite, and gold.

Approximate chemical composition is as follows:

	Percent			Percent
SiO ₂	61.0		MgO	1.8
Al ₂ O ₃	14.2		K ₂ O	4.5
Fe ₂ O ₃	5.8		TiO ₂	0.5
CaO	2.7		LOI	6.1
Na ₂ O	1.3		S	1.8

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ±2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual "between-laboratory" standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

REFERENCE MATERIAL CDN-CGS-23

Results from round-robin assaying:

Assay Procedures: **Au:** Fire assay pre-concentration, AA or ICP finish (30g sub-sample).
 Cu: 4-acid digestion, AA or ICP finish.

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12	Lab 13	Lab 14	Lab 15
	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)	Au (g/t)
CGS-23-1	0.249	0.26	0.21	0.210	0.219	0.201	0.205	0.24	0.25	0.190	0.25	0.186	0.196	0.298	0.20
CGS-23-2	0.233	0.24	0.21	0.197	0.190	0.246	0.210	0.24	0.29	0.244	0.23	0.232	0.212	0.207	0.22
CGS-23-3	0.236	0.23	0.17	0.211	0.234	0.209	0.210	0.27	0.28	0.210	0.28	0.235	0.207	0.219	0.22
CGS-23-4	0.240	0.24	0.25	0.224	0.234	0.234	0.200	0.22	0.28	0.207	0.26	0.216	0.217	0.264	0.24
CGS-23-5	0.231	0.23	0.23	0.196	0.204	0.250	0.200	0.19	0.25	0.206	0.24	0.222	0.191	0.245	0.24
CGS-23-6	0.241	0.23	0.22	0.200	0.228	0.205	0.195	0.20	0.23	0.200	0.23	0.220	0.221	0.248	0.22
CGS-23-7	0.266	0.22	0.21	0.229	0.210	0.200	0.200	0.20	0.27	0.235	0.27	0.219	0.185	0.245	0.21
CGS-23-8	0.227	0.22	0.21	0.218	0.215	0.202	0.210	0.19	0.30	0.195	0.28	0.221	0.239	0.303	0.22
CGS-23-9	0.263	0.22	0.19	0.228	0.304	0.192	0.210	0.21	0.28	0.235	0.23	0.231	0.204	0.234	0.23
CGS-23-10	0.221	0.22	0.22	0.222	0.205	0.217	0.200	0.20	0.28	0.229	0.23	0.234	0.189	0.206	0.25
Mean	0.241	0.231	0.214	0.214	0.224	0.216	0.204	0.214	0.271	0.215	0.250	0.222	0.206	0.247	0.225
Std. Dev.	0.015	0.013	0.022	0.013	0.031	0.021	0.006	0.027	0.021	0.019	0.021	0.014	0.017	0.034	0.015
%RSD	6.13	5.57	10.08	5.91	13.97	9.53	2.78	12.78	7.87	8.80	8.43	6.45	8.14	13.68	6.71
	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)	Cu (%)
CGS-23-1	0.180	0.188	0.180	0.188	0.177	0.175	0.188	0.186	0.183	0.191	0.176	0.160	0.163	0.198	0.190
CGS-23-2	0.181	0.187	0.178	0.187	0.174	0.176	0.185	0.187	0.186	0.173	0.178	0.173	0.176	0.208	0.190
CGS-23-3	0.182	0.188	0.181	0.187	0.179	0.175	0.186	0.187	0.179	0.186	0.173	0.174	0.172	0.209	0.190
CGS-23-4	0.179	0.184	0.179	0.186	0.179	0.178	0.188	0.186	0.189	0.188	0.172	0.166	0.179	0.203	0.190
CGS-23-5	0.176	0.187	0.179	0.188	0.176	0.182	0.184	0.187	0.184	0.177	0.172	0.175	0.184	0.200	0.190
CGS-23-6	0.180	0.186	0.180	0.189	0.176	0.176	0.184	0.186	0.178	0.188	0.175	0.175	0.182	0.195	0.180
CGS-23-7	0.187	0.19	0.182	0.185	0.180	0.175	0.185	0.186	0.184	0.183	0.173	0.179	0.181	0.206	0.180
CGS-23-8	0.179	0.184	0.182	0.186	0.179	0.177	0.184	0.187	0.184	0.172	0.180	0.175	0.176	0.200	0.180
CGS-23-9	0.172	0.186	0.179	0.187	0.179	0.177	0.186	0.185	0.186	0.178	0.180	0.165	0.183	0.202	0.190
CGS-23-10	0.178	0.186	0.181	0.186	0.182	0.177	0.185	0.187	0.190	0.184	0.175	0.182	0.184	0.196	0.190
Mean	0.179	0.187	0.180	0.187	0.178	0.177	0.186	0.186	0.184	0.182	0.175	0.172	0.178	0.202	0.187
Std. Dev.	0.004	0.002	0.001	0.001	0.002	0.002	0.002	0.001	0.004	0.007	0.003	0.007	0.007	0.005	0.005
%RSD	2.08	0.98	0.76	0.64	1.31	1.16	0.81	0.36	2.06	3.73	1.75	3.91	3.71	2.40	2.58

Note: Au data from Labs 9 & 11 was removed for failing the "t" test.
 Cu data from Labs 12 & 14 was removed for failing the "t" test.

STANDARD REFERENCE MATERIAL CDN-CGS-23

Participating Laboratories:

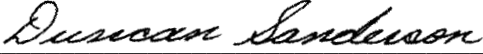
(not in same order as listed in table of results)

Acme Analytical Laboratories Ltd., Vancouver, B.C., Canada
Actlabs, Ancaster, Ontario, Canada
Actlabs, Thunder Bay, Ontario, Canada
ALS Chemex Laboratories, North Vancouver, B.C., Canada
Assayers Canada Ltd., Vancouver, B.C., Canada
Eco Tech Laboratory Ltd., Kamloops, B.C., Canada
Genalysis Laboratory Services Pty. Ltd., Australia
Inspectorate America, Nevada, USA
International Plasma Laboratories, Richmond, B.C., Canada
Labtium Laboratory, Finland
OMAC Laboratories Ltd., Ireland
SGS Toronto, Ontario, Canada
Skyline Assayers & Laboratories, Tucson, Arizona, USA
TSL Laboratories, Saskatoon, Canada
Ultra Trace Analytical Laboratories, Australia


Legal Notice:

This certificate and the reference material described in it have been prepared with due care and attention. However CDN Resource Laboratories Ltd. or Barry Smee accept no liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by


Duncan Sanderson, Certified Assayer of B.C.

Geochemist


Dr. Barry Smee, Ph.D., P. Geo.

CDN Resource Laboratories Ltd.

Unit 2 - 20148, 102nd Avenue, Langley, B.C., Canada, V1M 4B4, Ph: 604-882-8422 Fax: 604-882-8466
(www.cdnlabs.com)

ORE REFERENCE STANDARD: CDN-CM-4

Recommended values and the "Between Lab" Two Standard Deviations

Gold: 1.18 ± 0.12 g/t
Copper: 0.508 ± 0.025 %
Molybdenum: 0.032 ± 0.004 %

PREPARED BY: CDN Resource Laboratories Ltd.

CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia

INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.

DATE OF CERTIFICATION: July 7, 2008

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 200 mesh screen. The +200 material was discarded. The -200 material was mixed for 7 days in a double-cone blender. Splits were taken and sent to 12 laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

Standard CDN-CM-4 was prepared using 780 kg of a blank granitic ore, 6 kg of a high-grade molybdenum ore and 15 kg of a gold-copper concentrate.

Approximate chemical composition is as follows:

	Percent			Percent
SiO ₂	54.0		MgO	5.1
Al ₂ O ₃	13.4		K ₂ O	1.0
Fe ₂ O ₃	10.7		TiO ₂	1.0
CaO	6.0		LOI	3.7
Na ₂ O	2.6		S	2.0

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ±2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual "between-laboratory" standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

Results from round-robin assaying are displayed on the following page.

STANDARD REFERENCE MATERIAL CDN-CM-4

Assay Procedures: **Au:** Fire assay pre-concentration, AA or ICP finish (30g sub-sample).
Cu, Mo: 4-acid digestion, AA or ICP finish.

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
SAMPLE	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t
CM4-1	1.22	1.19	1.07	1.31	1.16	1.10	1.21	1.13	1.25	1.27	1.14	1.15
CM4-2	1.17	1.22	1.17	1.25	1.12	1.19	1.25	1.11	1.20	1.28	1.19	1.23
CM4-3	1.22	1.22	1.21	1.16	1.19	1.07	1.16	1.18	1.18	1.28	1.21	1.27
CM4-4	1.10	1.24	1.15	1.21	1.04	1.17	1.18	1.18	1.20	1.22	1.26	1.10
CM4-5	1.11	1.11	1.09	1.17	1.26	1.17	1.23	1.09	1.21	1.25	1.17	1.16
CM4-6	1.02	1.17	1.30	1.23	1.21	1.09	1.21	1.05	1.27	1.21	1.33	1.00
CM4-7	1.35	1.15	1.25	1.19	1.16	1.17	1.21	1.17	1.19	1.23	1.29	1.19
CM4-8	1.18	1.16	1.10	1.24	1.13	1.10	1.16	1.11	1.19	1.22	1.14	1.19
CM4-9	1.11	1.12	1.17	1.25	1.24	1.09	1.26	1.11	1.24	1.27	1.13	1.22
CM4-10	1.18	1.20	1.11	1.22	1.36	1.08	1.14	1.15	1.16	1.21	1.15	1.31
Mean	1.16	1.18	1.16	1.22	1.19	1.12	1.20	1.13	1.21	1.24	1.20	1.18
Std. Dev/r	0.0883	0.0437	0.0742	0.0436	0.0878	0.0460	0.0401	0.0423	0.0341	0.0287	0.0702	0.0878
%RSD	7.58	3.71	6.39	3.57	7.40	4.09	3.34	3.75	2.82	2.31	5.84	7.43
	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %
CM4-1	0.518	0.509	0.519	0.510	0.493	0.499	0.504	0.533	0.513	0.453	0.510	0.486
CM4-2	0.516	0.500	0.522	0.497	0.488	0.488	0.501	0.522	0.515	0.451	0.516	0.512
CM4-3	0.519	0.493	0.515	0.473	0.502	0.491	0.501	0.529	0.516	0.455	0.515	0.520
CM4-4	0.518	0.502	0.525	0.519	0.481	0.510	0.504	0.526	0.520	0.460	0.507	0.516
CM4-5	0.516	0.498	0.511	0.504	0.481	0.495	0.505	0.533	0.522	0.471	0.517	0.514
CM4-6	0.505	0.502	0.511	0.474	0.478	0.493	0.504	0.525	0.520	0.474	0.489	0.512
CM4-7	0.511	0.497	0.517	0.505	0.482	0.498	0.497	0.527	0.519	0.457	0.525	0.493
CM4-8	0.510	0.500	0.515	0.501	0.489	0.494	0.506	0.521	0.521	0.461	0.507	0.536
CM4-9	0.512	0.485	0.524	0.511	0.496	0.496	0.498	0.522	0.515	0.459	0.494	0.513
CM4-10	0.519	0.514	0.530	0.494	0.497	0.507	0.506	0.523	0.521	0.454	0.474	0.506
Mean	0.514	0.500	0.519	0.499	0.489	0.497	0.503	0.526	0.518	0.460	0.505	0.511
Std. Dev/r	0.0047	0.0080	0.0063	0.0151	0.0081	0.0068	0.0032	0.0044	0.0031	0.0076	0.015	0.0138
%RSD	0.91	1.59	1.21	3.03	1.67	1.38	0.64	0.83	0.61	1.65	3.05	2.71
	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %
CM4-1	0.029	0.030	0.032	0.034	0.031	0.035	0.025	0.034	0.033	0.033	0.031	0.030
CM4-2	0.030	0.028	0.033	0.033	0.030	0.035	0.026	0.034	0.034	0.034	0.032	0.030
CM4-3	0.029	0.030	0.031	0.033	0.031	0.035	0.026	0.034	0.033	0.034	0.030	0.032
CM4-4	0.029	0.028	0.031	0.033	0.029	0.034	0.027	0.034	0.033	0.034	0.031	0.033
CM4-5	0.029	0.028	0.031	0.032	0.030	0.034	0.026	0.035	0.033	0.035	0.031	0.033
CM4-6	0.029	0.029	0.032	0.033	0.030	0.034	0.029	0.034	0.033	0.034	0.031	0.032
CM4-7	0.029	0.029	0.032	0.032	0.030	0.035	0.026	0.035	0.033	0.033	0.031	0.031
CM4-8	0.028	0.029	0.032	0.031	0.031	0.035	0.026	0.034	0.033	0.032	0.031	0.033
CM4-9	0.029	0.028	0.032	0.032	0.031	0.034	0.028	0.034	0.033	0.033	0.030	0.034
CM4-10	0.028	0.029	0.032	0.032	0.031	0.034	0.026	0.035	0.034	0.034	0.030	0.032
Mean	0.029	0.029	0.032	0.033	0.030	0.035	0.027	0.034	0.033	0.034	0.031	0.032
Std. Dev/r	0.0004	0.0008	0.0004	0.0008	0.0007	0.0003	0.0012	0.0004	0.0003	0.0008	0.0006	0.0013
%RSD	1.35	2.74	1.39	2.61	2.30	0.98	4.45	1.19	0.89	2.53	2.05	4.17

Note: "Cu" data from laboratory 10 was excluded from the calculations for failing the t test.

"Mo" data from laboratory 7 was excluded from the calculations for failing the t test.

STANDARD REFERENCE MATERIAL CDN-CM-4

Participating Laboratories:

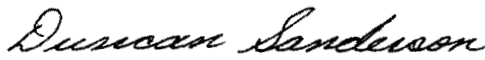
(not in same order as listed in table of results)

Acme Analytical Laboratories Ltd., Vancouver B.C.
Activation Laboratories Ltd., Ontario
Assayers Canada Ltd., Vancouver B.C.
ALS Chemex Laboratories, North Vancouver
Alex Stewart Assayers, Argentina
Genalysis Laboratory Services Pty. Ltd., Australia
International Plasma Labs Ltd., Richmond B.C.
Labtium, Finland
OMAC Laboratories Ltd., Ireland
Skyline Assayers & Laboratories, Tucson, USA
TSL Laboratories, Saskatoon
Ultra Trace Analytical Laboratories, Australia

Legal Notice:

This certificate and the reference material described in it have been prepared with due care and attention. However CDN Resource Laboratories Ltd. or Barry Smee accept no liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by



Duncan Sanderson, Certified Assayer of B.C.

Geochemist



Dr. Barry Smee, Ph.D., P. Geo.

CDN Resource Laboratories Ltd.

#2, 20148 – 102nd Avenue, Langley, B.C., Canada, V1M 4B4, 604-882-8422, Fax: 604-882-8466 (www.cdnlabs.com)

ORE REFERENCE STANDARD: CDN-CM-5

Recommended values and the “Between Lab” Two Standard Deviations

Gold: 0.294 ± 0.046 g/t
Copper: 0.319 ± 0.020 %
Molybdenum: 0.050 ± 0.005 %

PREPARED BY: CDN Resource Laboratories Ltd.
CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.
DATE OF CERTIFICATION: January 18, 2008

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 200 mesh screen. The +200 material was discarded. The -200 material was mixed for 7 days in a double-cone blender. Splits were taken and sent to 12 laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

Standard CDN-CM-5 was prepared using ore supplied by Canadian Gold Hunter from their GJ property in British Columbia, Canada. It is a copper-gold porphyry deposit and the rocks are described as Upper Triassic, quartz deficient volcanics, sediments and coeval intrusive. The standard was prepared using 760 kg of this ore and 11 kg of a high-grade molybdenum ore.

Approximate chemical composition is as follows:

	Percent			Percent
SiO ₂	53.5		MgO	2.6
Al ₂ O ₃	14.7		K ₂ O	2.7
Fe ₂ O ₃	7.7		TiO ₂	0.6
CaO	6.6		LOI	7.2
Na ₂ O	2.6		S	1.8

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ± 2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual “between-laboratory” standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

Results from round-robin assaying are displayed on the following page.

STANDARD REFERENCE MATERIAL CDN-CM-5

Assay Procedures: **Au:** Fire assay pre-concentration, AA or ICP finish (30g sub-sample).
Cu, Mo: 4-acid digestion, AA or ICP finish.

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12
SAMPLE	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t
CM5-1	0.285	0.332	0.303	0.286	0.30	0.250	0.300	0.240	0.280	0.288	0.275	0.324
CM5-2	0.324	0.303	0.286	0.292	0.27	0.280	0.300	0.282	0.280	0.264	0.274	0.301
CM5-3	0.297	0.315	0.345	0.302	0.25	0.260	0.310	0.285	0.280	0.328	0.329	0.271
CM5-4	0.275	0.350	0.307	0.303	0.28	0.330	0.290	0.312	0.310	0.324	0.285	0.326
CM5-5	0.290	0.314	0.262	0.313	0.26	0.290	0.290	0.290	0.290	0.284	0.275	0.329
CM5-6	0.269	0.299	0.298	0.306	0.28	0.300	0.330	0.289	0.330	0.292	0.303	0.331
CM5-7	0.267	0.308	0.308	0.317	0.30	0.300	0.300	0.302	0.280	0.274	0.306	0.364
CM5-8	0.345	0.396	0.346	0.289	0.27	0.360	0.300	0.294	0.290	0.254	0.306	0.285
CM5-9	0.284	0.305	0.292	0.258	0.34	0.270	0.350	0.274	0.300	0.248	0.273	0.279
CM5-10	0.285	0.308	0.294	0.267	0.27	0.260	0.330	0.253	0.290	0.254	0.315	0.278
Mean	0.292	0.323	0.304	0.293	0.282	0.290	0.310	0.282	0.293	0.281	0.294	0.309
Std. Dev'n	0.0246	0.0299	0.0255	0.0191	0.0257	0.0343	0.0200	0.0217	0.0164	0.0281	0.0202	0.0305
%RSD	8.44	9.25	8.38	6.52	9.13	11.83	6.45	7.69	5.58	10.01	6.87	9.87
	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %	Cu %
CM5-1	0.332	0.306	0.327	0.348	0.323	0.334	0.310	0.323	0.306	0.321	0.319	0.328
CM5-2	0.325	0.303	0.316	0.343	0.325	0.336	0.309	0.327	0.308	0.331	0.318	0.330
CM5-3	0.338	0.307	0.323	0.341	0.322	0.333	0.309	0.325	0.305	0.327	0.306	0.333
CM5-4	0.347	0.304	0.321	0.339	0.303	0.343	0.308	0.327	0.307	0.320	0.320	0.324
CM5-5	0.328	0.303	0.321	0.349	0.315	0.345	0.308	0.323	0.306	0.319	0.312	0.300
CM5-6	0.332	0.304	0.317	0.344	0.318	0.336	0.307	0.326	0.310	0.321	0.322	0.326
CM5-7	0.327	0.308	0.321	0.342	0.315	0.339	0.309	0.330	0.305	0.323	0.324	0.330
CM5-8	0.329	0.304	0.313	0.348	0.312	0.340	0.308	0.330	0.309	0.330	0.307	0.324
CM5-9	0.336	0.307	0.325	0.347	0.313	0.344	0.309	0.327	0.309	0.313	0.328	0.323
CM5-10	0.323	0.304	0.325	0.340	0.310	0.342	0.309	0.328	0.307	0.318	0.320	0.315
Mean	0.332	0.305	0.321	0.344	0.316	0.339	0.309	0.326	0.307	0.322	0.318	0.323
Std. Dev'n	0.0071	0.0018	0.0044	0.0037	0.0067	0.0045	0.0008	0.0025	0.0018	0.0056	0.007	0.0096
%RSD	2.15	0.60	1.38	1.07	2.11	1.32	0.27	0.76	0.57	1.74	2.25	2.96
	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %	Mo %
CM5-1	0.050	0.043		0.049	0.048	0.054	0.050	0.052	0.048	0.047	0.055	0.053
CM5-2	0.049	0.042		0.049	0.048	0.055	0.049	0.053	0.050	0.049	0.050	0.055
CM5-3	0.051	0.043		0.047	0.048	0.053	0.049	0.053	0.049	0.048	0.048	0.055
CM5-4	0.052	0.041		0.050	0.047	0.055	0.049	0.053	0.050	0.048	0.056	0.054
CM5-5	0.049	0.045		0.048	0.047	0.056	0.049	0.053	0.050	0.047	0.047	0.049
CM5-6	0.051	0.045		0.047	0.047	0.055	0.048	0.053	0.050	0.046	0.049	0.054
CM5-7	0.050	0.044		0.048	0.048	0.055	0.048	0.053	0.050	0.048	0.055	0.051
CM5-8	0.049	0.042		0.049	0.047	0.055	0.049	0.054	0.050	0.047	0.049	0.053
CM5-9	0.051	0.042		0.049	0.048	0.057	0.049	0.053	0.049	0.047	0.050	0.055
CM5-10	0.049	0.045		0.046	0.046	0.055	0.049	0.054	0.049	0.048	0.050	0.052
Mean	0.050	0.043		0.048	0.047	0.055	0.049	0.053	0.050	0.048	0.051	0.053
Std. Dev'n	0.0011	0.0015		0.0012	0.0007	0.0009	0.0006	0.0005	0.0007	0.0008	0.0032	0.0020
%RSD	2.24	3.42		2.55	1.48	1.62	1.16	0.90	1.43	1.79	6.35	3.71

Note: "Cu" data from laboratory 4 was excluded from the calculations for failing the t test.
"Mo" data from laboratory 2 was excluded from the calculations for failing the t test.
Laboratory 3 did not report for "Mo" data.

STANDARD REFERENCE MATERIAL CDN-CM-5

Participating Laboratories:

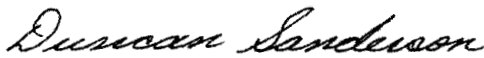
(not in same order as listed in table of results)

Acme Analytical Laboratories Ltd., Vancouver B.C.
Activation Laboratories Ltd., Ontario
Assayers Canada Ltd., Vancouver B.C.
ALS Chemex Laboratories, North Vancouver
Alex Stewart Assayers, Argentina
Genalysis Laboratory Services Pty. Ltd., Australia
American Assay Labs, USA
Labtium, Finland
OMAC Laboratories Ltd., Ireland
Skyline Assayers & Laboratories, Tucson, USA
TSL Laboratories, Saskatoon
Ultra Trace Analytical Laboratories, Australia

Legal Notice:

This certificate and the reference material described in it have been prepared with due care and attention. However CDN Resource Laboratories Ltd. or Barry Smee accept no liability for any decisions or actions taken following the use of the reference material. Our liability is limited solely to the cost of the reference material.

Certified by



Duncan Sanderson, Certified Assayer of B.C.

Geochemist



Dr. Barry Smee, Ph.D., P. Geo.

**Appendix 36:
2010 Woodjam North Drilling Assay QAQC
Summary Report**

2010 Woodjam North Drilling: Assay QAQC Summary

Prepared by:
Julianne Madsen, M.Sc., G.I.T
2 March 2011



Woodjam North QAQC Procedures and Results

Field Procedure:

Diamond drill core was logged, marked and tagged for sampling, photographed by geological staff and then sent to the split shack to be cut by diamond saw. The splitters placed half of the core in a sample bag with a portion of the sample tag and placed the remaining core back in the core box for storage with the other half of the sample tag for reference. During the sampling process, technical staff ensured that standard and blank samples were inserted alternately into the sample scheme, at approximately every 10th sample for QC purposes. Reference materials comprised approximately 10% of the sampling and assay results. The split sample intervals and corresponding sample tags were placed in labelled plastic sample bags, sealed with zip-ties and then placed into rice bags for shipment. The rice bags were sent to ALS Laboratory, North Vancouver, via VanKam freightways.

Standard and Blank Materials

The certified reference material used for the 2010 field season QC program comprised three copper-gold standards purchased from CDN Resource Laboratories, Langley BC. The reference standards chosen were CDN-CGS-23 (certified Nov 17, 2009, gold values 'provisional' only), CDN-CM-5 (certified Jan 18, 2008), CDN-CM-4 (certified July 7, 2008), representing varying grades of Cu from 0.182%, 0.319% and 0.508% and Au grades of 0.218 g/t (provisional), 0.294g/t and 1.18g/t respectively. The field blank material used for the 2010 season was vesicular lava rock which was purchased at a garden supply store. This material was primarily useful for evaluation of Au contamination, and was deemed less reliable for use as a Cu blank due to irregular background values of Cu inherent within the rock, and only extreme cases of likely contamination were investigated based on the Cu blank assay data. Although a reference standard was used to evaluate lab performance, the accepted standard values were not used to gauge pass/fail of standards and instead a rolling calculated mean and standard deviation was used to evaluate performance.

Each assay batch was evaluated by standard and blank performance upon receipt of the datafile and certified certificate. As a first step in this process, the original certificate datafiles were loaded directly into the Gold Fields Maxwell DataShed database. Upon import, Maxwell's QAQCR Reporter utility was used to quickly assess the certificate in terms of standard and blank performance for copper and gold. In order to pass, standard samples were required to perform within two times the accepted standard deviation of the certified reference material (CRM) limits or two to three times the Woodjam specific calculated limits. The Woodjam specific calculated limits refers to the calculated means and standard deviations from the 2010 Woodjam standard assay results (excluding outliers) for each of the standard. In the event that a standard result fell outside of the required range, the standard of interest and another 10-20% of the adjacent samples and other random samples were sent for pulp reanalysis to be done by the failing method. Most commonly, at least one other additional standard pulp was selected from the batch and sent for reanalysis with the batch of QC pulps to further verify the validity of the results. In the event of a strongly anomalous blank value, the coarse rejects from ~10% of the batch were pulled and re-prepped and sent for analysis to compare with the original results.

Assay results for Field Blanks were evaluated for Au contamination results but were considered unreliable for Cu. Cu was primarily evaluated in terms of standard performance. Each case of anomalous blank material was evaluated on a case-specific basis. Cu blanks did not have a designated fail threshold due to inherent variability with the background Cu value of the lava rock blanks, but when results were returned over 250ppm or 0.025% Cu, the sample was deemed to require investigation.

Standard performance at ALS vs. the CRM accepted limits

Standard performance was initially evaluated based on the provided 2 standard deviation limit provided by the accepted round-robin assay results for the standard pulps, however, after the first several batches were returned a pattern of higher Cu levels overall developed in the Cu data, and it became apparent that for Cu, the ME-MS41 method used in the Woodjam 2010 field program resulted in a relatively tight cluster of data with a higher calculated Cu mean than the expected value provided by CDN Labs.

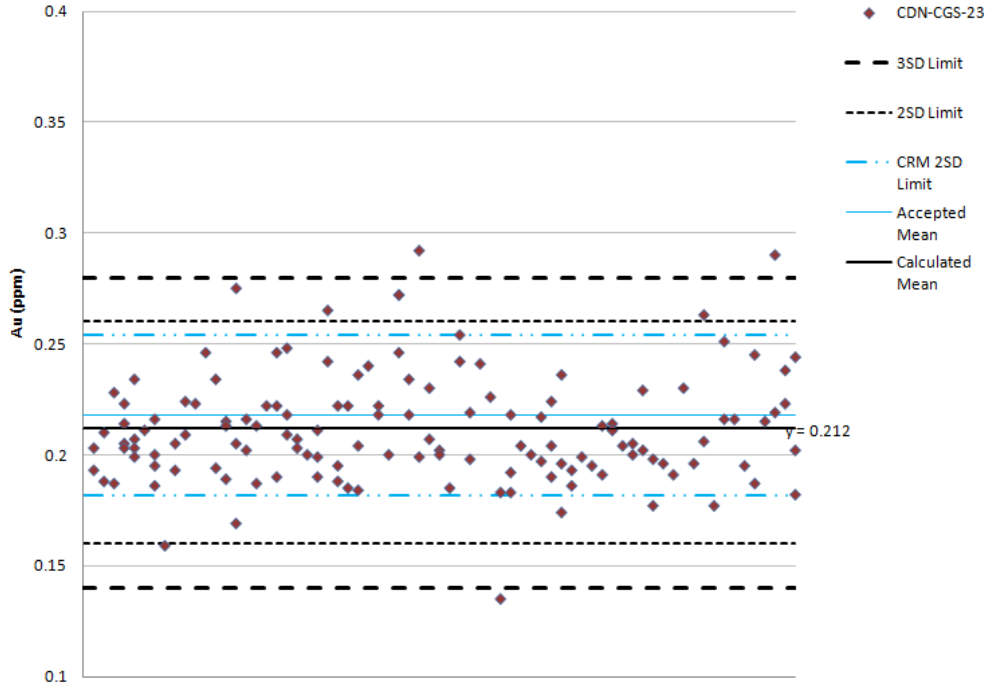
To illustrate and investigate the discrepancy in the Cu mean as compared to the round robin assaying of the certified standards, and evaluate Au and Cu performance in general, a table of results was created for each standard for Cu and Au. Based on these tabulated results, an ALS standard-specific mean was calculated for these two elements (excluding extreme outliers from the calculation) along with a new related standard deviation. The assay results were plotted, showing limits of 2 and 3 calculated standard deviations. The CDN labs round robin two standard deviation limit was also included in the plots for reference. It was decided that a limit of 2 standard deviations is most appropriate to evaluate performance for the ALS samples, but fails were evaluated between 2 and 3 SD's on a case-by case basis depending on the results for core in adjacent samples having the possibility of being mineralized. If the grade in adjacent samples of a standard fail were near or below detection, a check was not always done as these values regardless would not influence the resource. These marginal cases were also evaluated in terms of the remainder of the certificate to the other standards in the particular hole and their performance. If the other standards performed well in this batch, and adjacent samples were uneconomic or near detection limits, no follow-up was deemed necessary.

The 2010 Woodjam dataset is skewed to higher Cu values for the Cu standards. Differences between the values for the purchased standards and the ALS lab results are likely a combination of effects of using different multi-element methods and digestion, as well as the effects of age and oxidation on the standard material (which are sulphide-rich standards, stored in paper envelopes, and were created 1-2.5 years prior to the field season). The accepted Cu values for the CDN standard pulps were determined by 4-acid digestion techniques with an ICPMS finish, as compared to the Aqua Regia digestion, ICPAES/ICPMS finish used in the 2010 field season. Use of the CRM guidelines for evaluation of CDN-CM-4 would result in an average failure rate of 29.85% for Woodjam Samples, a failure rate of 53.62% would be found for CDN-CM-5 and a failure rate of 48.57% would be reported for CDN-CGS-16. These are unacceptable standard performances when compared to the recommended value, however the recommended value is advised as a guideline and failure of a lab to perform at the guideline parameters does not mean the data are unreliable or unrepresentative. Generating a project/lab-specific mean which evolves over time is considered best practice for QAQC procedures and the reference material 2SD limits were used only as a general guideline for the majority of the season.

The fire assay Au results from ALS are very similar to the recommended round robin results of the standards used. The results were provided by comparable fire assay methods to the reference material methods. There are slight differences between the accepted mean and calculated means, but overall the mean and SD for each Au standard is very similar to the calculated mean and SD, however the calculated standard deviations allowed a wider envelope of acceptance.

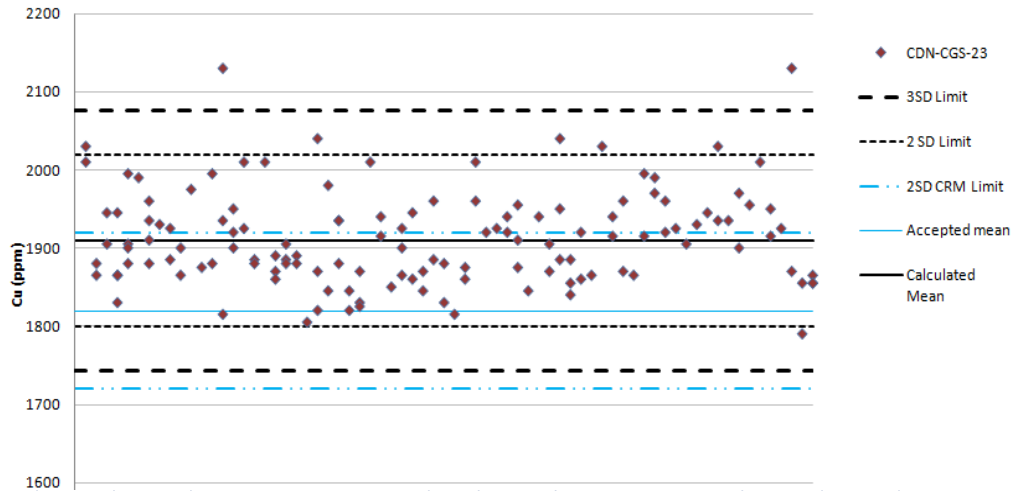
Calculated guidelines for Standard Performance for the Woodjam Projects 2010-SD Limits based on combined Standard Results for Woodjam North and Woodjam South drilling.

CDN-CGS-23: Au (g/t) Au-ICP21 performance



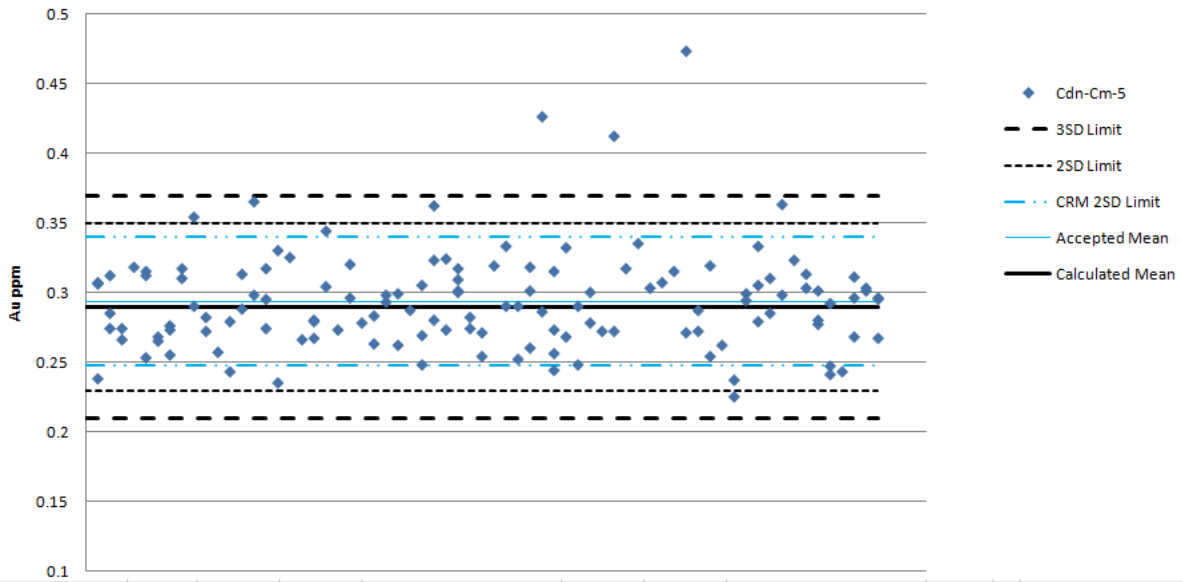
Accepted Au Mean=	0.218	2SD upper Au Limit g/t=	0.254					
Accepted 2 SD=	0.036	2SD lower Au limit g/t=	0.182					
Au Calc Mean=	0.212165	1SD upper Au Limit g/t=	0.24	2SD upper Au Limit g/t=	0.26	3SD upper Au Limit g/t=	0.28	
Au Calc SD=	0.024096	1SD lower Au limit g/t=	0.19	2SD lower Au limit g/t=	0.16	3SD lower Au limit g/t=	0.14	

CDN-CGS-23: Cu (ppm) ME-MS41 performance



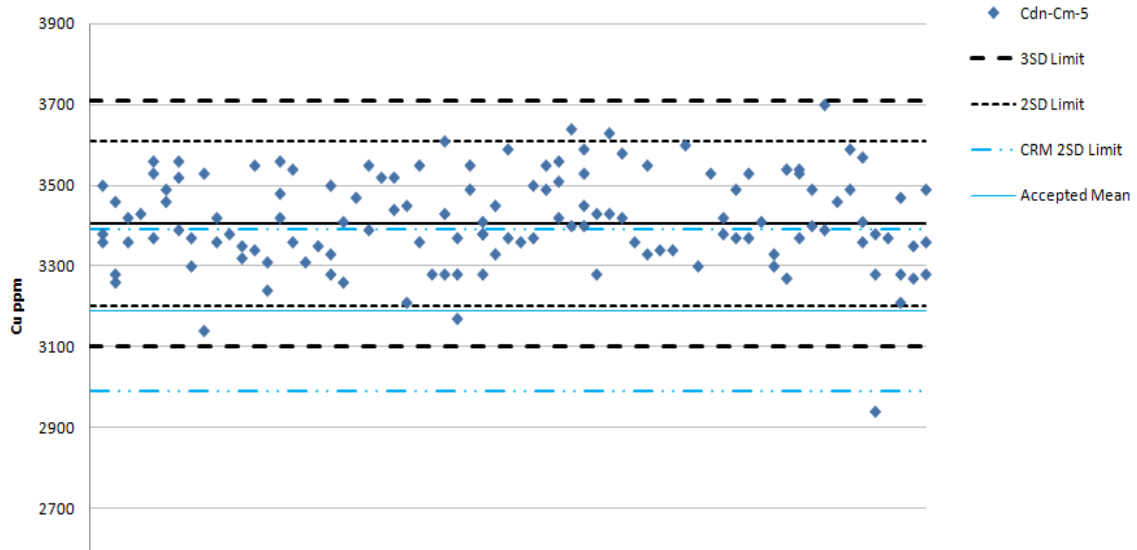
Recommended Cu Mean=	1820	CRM 2SD upper Cu Limit ppm=	1920					
Recommended 2SD=	100	CRM 2SD lower Cu limit ppm=	1720					
Cu Calc Mean=	1909.621	1SD upper Cu Limit ppm=	1965	2SD upper Cu Limit g/t=	2020	3SD upper Cu Limit g/t=	2076	
Cu Calc SD=	55.40145	1SD lower Cu limit ppm=	1854	2SD lower Cu limit g/t=	1799	3SD lower Cu limit g/t=	1743	

CDN-CM-5: Au (g/t) Au-ICP21 performance



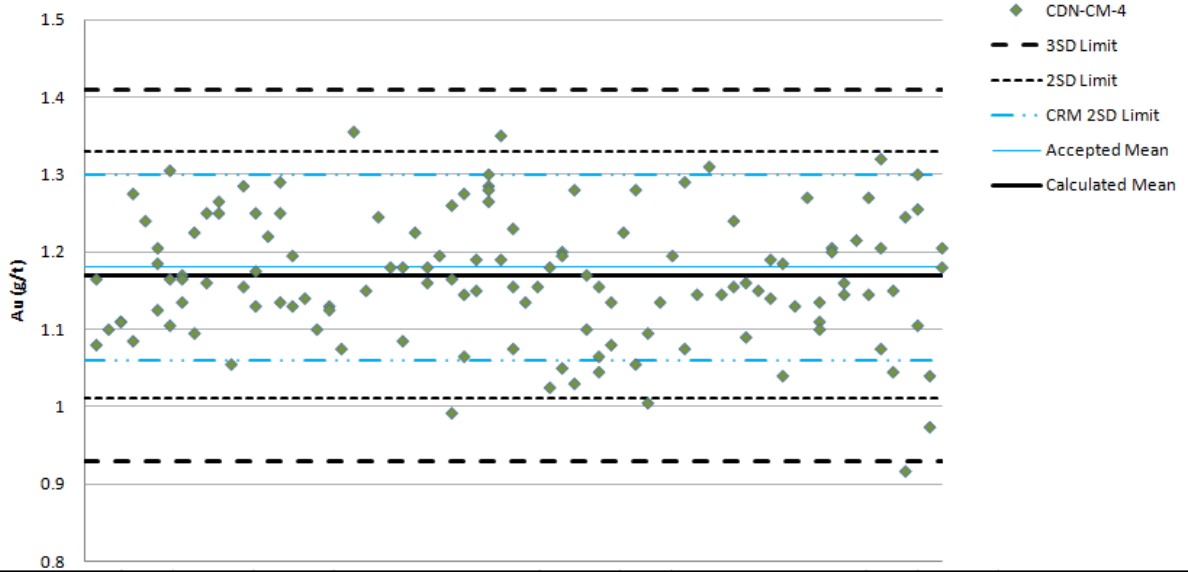
Recommended Au Mean=	0.294	2SD upper Au Limit g/t=	0.34				
Recommended 2SD=	0.046	2SD lower Au limit g/t=	0.248				
Au Calc Mean=	0.28961	1SD upper Au Limit g/t=	0.32	2SD upper Au Limit g/t=	0.35	3SD upper Au Limit g/t=	0.37
Au Calc SD=	0.02815	1SD lower Au limit g/t=	0.26	2SD lower Au limit g/t=	0.23	3SD lower Au limit g/t=	0.21

CDN-CM-5: Cu (ppm) ME-MS41 performance



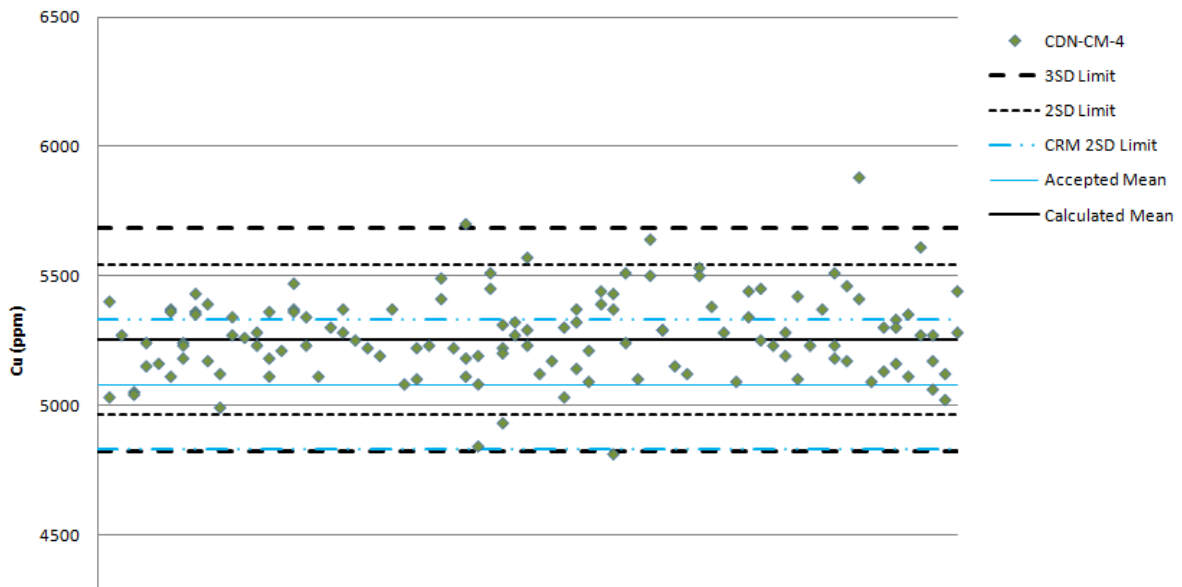
Recommended Cu Mean=	3190	2SD upper Cu Limit ppm=	3390				
Recommended 2SD=	200	2SD lower Cu limit ppm=	2990				
Cu Calc Mean=	3406	1SD upper Cu Limit ppm=	3507	2SD upper Cu Limit g/t=	3608	3SD upper Cu Limit g/t=	3710
Cu Calc SD=	101	1SD lower Cu limit ppm=	3305	2SD lower Cu limit g/t=	3203	3SD lower Cu limit g/t=	3102

CDN-CM-4: Au (ppm) Au-ICP21 performance



Recommended Au Mean=	1.18		2SD upper Au Limit g/t=	1.3				
Recommended 2SD=	0.12		2SD lower Au limit g/t=	1.06				
Au Calc Mean=	1.17		1SD upper Au Limit g/t=	1.25	2SD upper Au Limit g/t=	1.33	3SD upper Au Limit g/t=	1.41
Au Calc SD=	0.08		1SD lower Au limit g/t=	1.09	2SD lower Au limit g/t=	1.01	3SD lower Au limit g/t=	0.93

CDN-CM-4: Cu (ppm) ME-MS41 performance



Recommended Cu Mean=	5080		2SD upper Cu Limit ppm=	5330				
Recommended 2SD=	250		2SD lower Cu limit ppm=	4830				
Cu Calc Mean=	5254		1SD upper Cu Limit ppm=	5398	2SD upper Cu Limit g/t=	5543	3SD upper Cu Limit g/t=	5687
Cu Calc SD=	144		1SD lower Cu limit ppm=	5110	2SD lower Cu limit g/t=	4965	3SD lower Cu limit g/t=	4821

Umpire Lab Checks and ALS Lab Checks

In order to determine reproducibility of the ALS results by a second-party lab, a suite of umpire samples was assembled representing a proportion of mineralized material from each certificate.

Umpire pulp checks and coarse rejects checks were done on this same sample subset using best-fit comparable methods at the umpire lab, and the identical methods at ALS. In addition to the Umpire coarse reject checks, the remaining coarse reject material for this sample subset of interest was prepped and analyzed for a second time at ALS.

In each set of checks, standard material was included at a high proportion ~15% of samples to determine standard performance guidelines at the umpire lab with more certainty, and to ensure data were of sufficient quality.

In addition to the coarse/pulp reject checks, the ALS certificates report routine lab checks, referring to an analytical/instrumental check on the same digested pulp. The results of these routine labchecks were compared to the original reported results by the below methods to see variability and the validity of the results.

Guidelines for evaluating QC checks

Two guidelines were used for the 2010 Woodjam program to evaluate the acceptability of the quality control pulp/coarse reject checks; mean percent difference, and relative standard deviation. Mean percent difference is considered a good measure of precision and bias, and relative standard deviation is a good measurement to compare results. Each of these methods is described below.

1. Mean % Difference Plot (MPD)

$$\text{Mean \% Difference} = \frac{100.0 \times (\text{Repeat Value} - \text{Original Value})}{(\text{Repeat Value} + \text{Original Value})/2}$$

In this method, the mean of the two pulp assay values for a given sample was plotted against the mean % difference. Guidelines for acceptable results were decided at +/- 20%. It is important to note, especially in the case of Au at the Woodjam North project that the acceptable limit can be subjective. Au mean values of less than 10x the detection limit are exempted from comparison due to the scale effects of differences at such low grades. Au fails in non Au mineralized samples was sometimes checked to ensure the results were not under-reported

2. Relative Standard Deviation

For each pair of pulp assays, the mean and standard deviation are calculated, followed by the relative standard deviation. The average RSD was then calculated. The Relative Standard Deviation is determined as below:

$$\text{RSD (\%)} = (\text{Std deviation}/\text{mean}) * 100$$

In terms of relative standard deviation, acceptable values were < 20%. The 20-30% range was deemed to require investigation and >30% RSD represents a failure.

Notes from ALS on Bias of results observed when comparing original and rerun results

The overall results between the original and repeat analyses can be affected by various factors, such as decomposition technique, instrumentation, and analyte, among other factors. Very often samples from the re-analysis are digested/fused in the same batch, and can share much of similarities due the depending factors. ALS Minerals has a very tight and well established quality program, however, it is still not abnormal to see some variations between analyses. ALS laboratory has come up with precision tolerance limits for each of their methods/elements. In the case of Au-ICP21 and majority of elements on ME-MS41, the precision tolerance is +/-10%, and the following calculation is used to determine control limits for duplicate samples (in this case, the original and re-analysis of same pulp) using the method precision and lower detection limit of the method.

$$\text{UpperControlLimit} = \text{NominalValue} + (\text{MethodPrecision} * \text{NominalValue} + \text{DetectionLimit})$$
$$\text{LowerControlLimit} = \text{NominalValue} - (\text{MethodPrecision} * \text{NominalValue} + \text{DetectionLimit})$$

The following pages outline the QC investigations undertaken at Woodjam for the 2010 field season. First, Standard outliers are discussed, followed by blank results, then Umpire pulp and coarse reject checks. The final portion of this QC work summarized below regards ALS lab coarse reject check results and the comparison of routine pulp checks with the original results.

Woodjam North- Outlier Standards QA/QC Investigations

In each case of an outlier standard assay, pulp re-assays were ordered for 10-20% of the original batch certificate. The results from the original were compared to re-assay results, which included the original suspect standard and at least one other standard sample. The re-assays were evaluated in terms of mean percent difference and relative standard deviation. If the results were within 20% mean percent difference and a relative standard deviation below 20%, the original certificate was accepted.

Below is a list of the outlier samples investigated in the following for QC purposes

Au Outliers:

VA10102784 Au outlier (CDN-CGS-23) (937250) (Figure 1)
VA10182744 Au outlier (CDN-CGS-23) (939100) (Figure 1)
VA10131011 Au outlier (CDN-CM-5) (938170) (Figure 4)
VA10110622 Au outlier (CDN-CM-5) (937630) (Figure 4)
VA10187409 Au Outlier (CDN-CM-4) (939260) (Figure 8)
VA10178529 Au outlier (CDN-CM-4) (938960) (Figure 8)

Cu Outliers:

VA10178529 Cu outliers (CDN-CGS-23) (938980); (CDN-CM-4) (938960) (Figure 2, Figure 11)
VA10082304 Cu outlier (CDN-CM-4) (206410) (within CRM lower guidance) (Figure 11)
VA10078839 Cu outlier (CDN-CM-4) (206290) (Figure 11)
VA10114514 Cu outlier (CDN-CM-5) (937750) (Figure 5)
VA10110622 Cu outlier (CDN-CM-5) (937630) (Figure 5)

In each case of an investigated standard outlier/failure, the results from the QAQC procedures were acceptable and suggested that the original results were reliable. In each case the original certificate was accepted.

Each case investigated of standard outliers are outlined and summarized below by standard and element.

CDN-CGS-23

Au Outliers- CDN-CGS-23

Reference standard CDN-CGS-23 has provisional Au values, and cannot be considered a certified value according to the supplier, CDN Resource labs, due to the 8.17% RSD. Despite the fact that there were several analyses plotting between the 2 and 3 standard deviation lines, due to the unreliable nature of CDN-CGS-23 as a gold standard, only the two extreme outlier samples were investigated as discussed below.

VA10102784

Sample 937250, CDN-CGS-23, for cert VA10102784 was returned as an Au fail, at 0.292 g/t (Figure 1). This value is above the calculated 3SD upper limit for acceptance however this anomalous result was not considered a significant problem as all adjacent samples are below detection or low ppb level. In addition, CDN-CGS-23 is not a reliable gold standard. This standard outlier does not affect the interpretation of the mineral deposit as this zone is un-mineralized with respect to gold. The Cu for this sample was on target, and all other standards on this certificate were a pass.

VA10182744

Sample 939100, CDN-CGS-23, for cert VA10182744 was returned as 0.29 g/t Au (Figure 1). The adjacent samples in this certificate were also low ppb economic grade (between BD and 72ppb), and follow-up was not deemed necessary due to the subeconomic nature of the samples in this batch, and the given provisional status of CDN-CGS-23 as a gold standard.

The remainder of the CDN-CGS-23 standards for Woodjam North resulted in acceptable Au values, dominantly within 2 calculated standard deviations, and some within the 2SD/3SD calculated window of marginal acceptance.

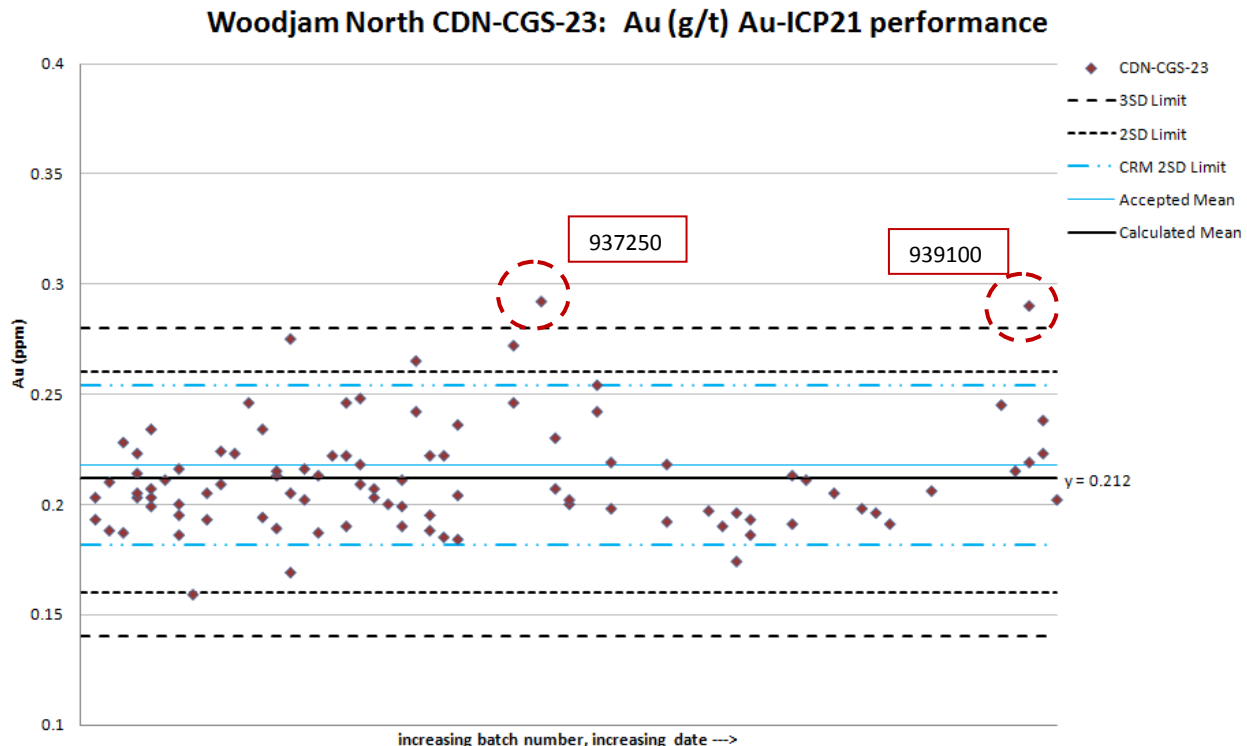


Figure 1: ALS Au Standard performance, CDN-CGS-23. Investigated outliers circled and labelled

Cu Outliers- CDN-CGS-23

VA10178529 Cu outliers (CDN-CGS-23 and CDN-CM-4)

Sample 938980 for standard CDN-CGS-23 was a high Cu fail, outside of the calculated 3SD limit (Figure 2). The original result was 2130 ppm, with the rerun result reported at 1850, close to the calculated mean for Cu. Sample 938960 (CDN-CM-4) from this certificate also was originally reported above the acceptable limits for Cu, and the re-assay was returned near the accepted value limit.

Overall the Cu reanalyses show a negative bias towards the original results (Figure 3), however as the comparison between the two sets of results is dominantly within 10% average mean percent difference, the original results are considered reliable. The average relative standard deviation was 7.18%, which is acceptable.

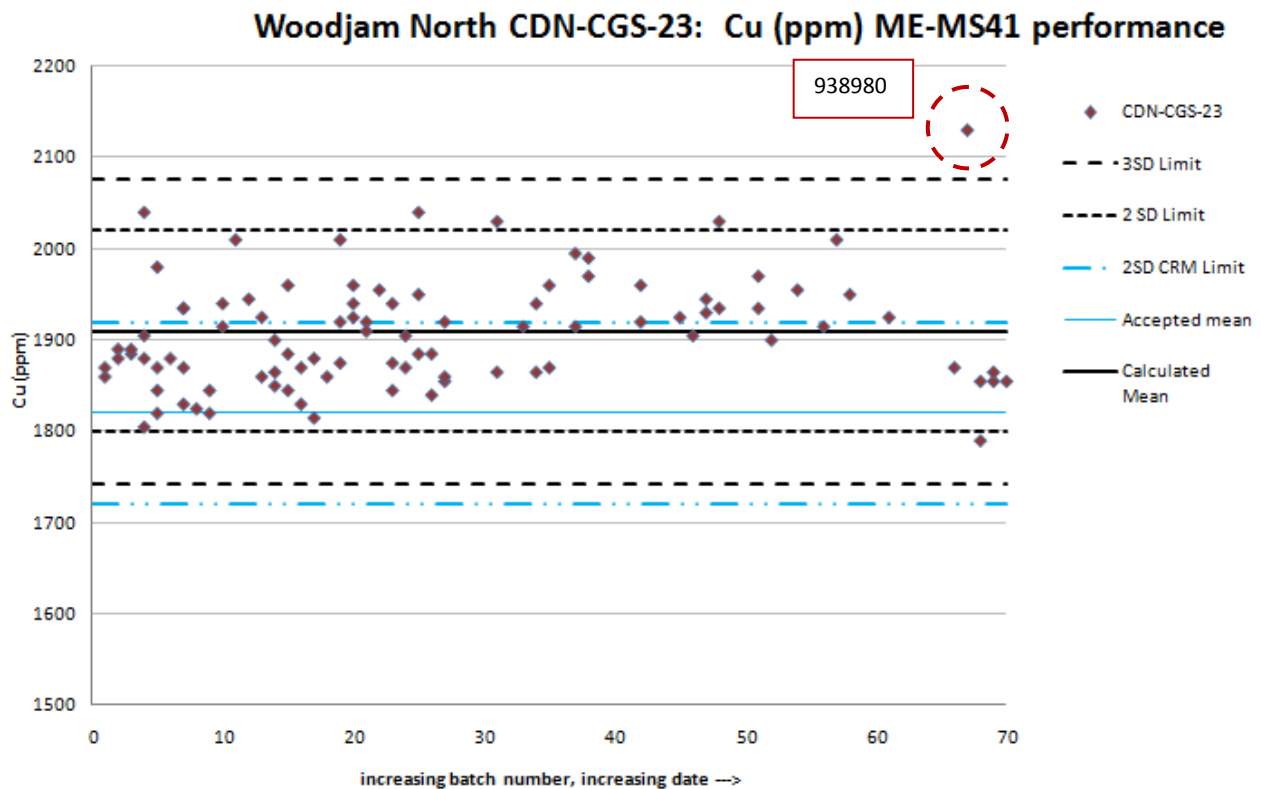
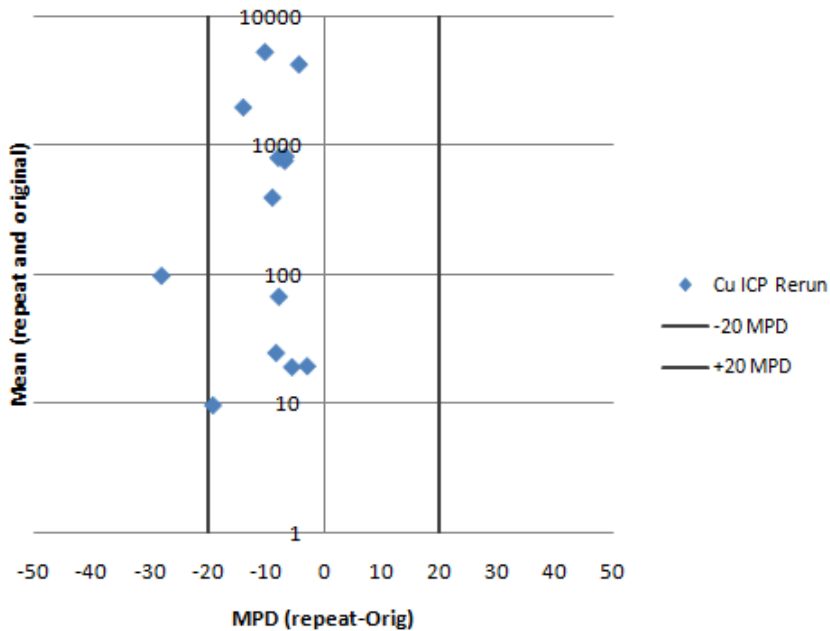


Figure 2: ALS Cu Standard performance, CDN-CGS-23. Investigated outliers circled and labelled

Mean Percent Difference Plot- VA10178529 Cu Reassay



Cu Repeat vs Original- Cert VA10178529 reassay

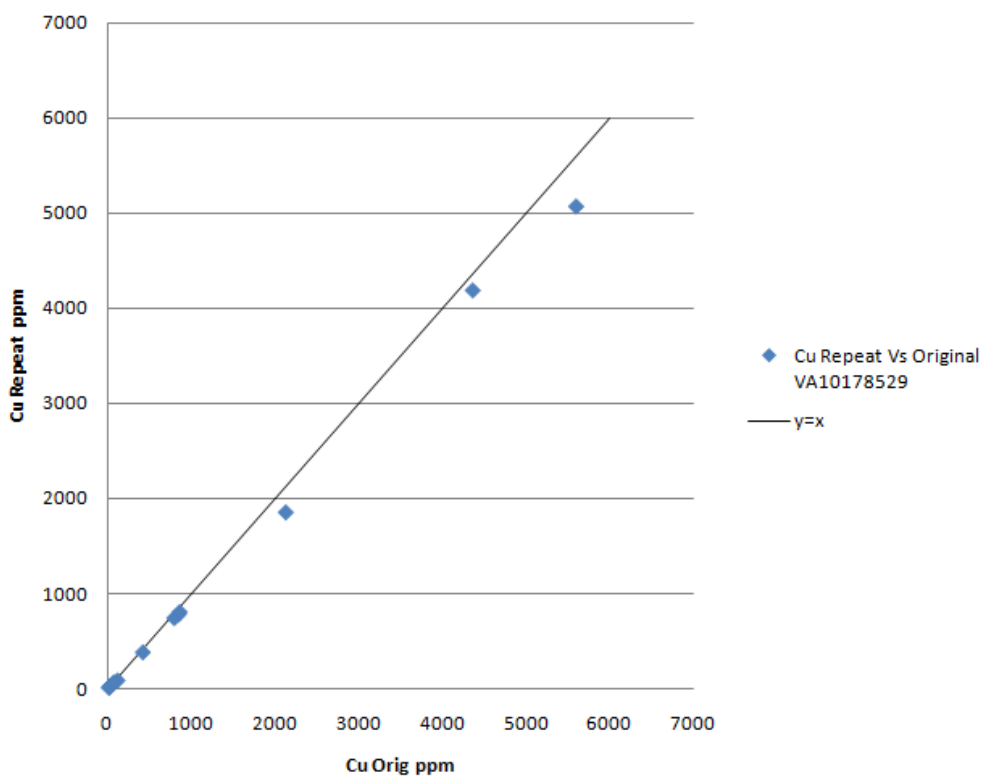


Figure 3: Comparison of original and reassay results.

CDN-CM-5

Au Outliers- CDN-CM-5

Cert VA10131011 Au Outlier

Sample 938170 was originally returned at 0.473 g/t (Figure 4) and a re-assay of this pulp returned a value of 0.327g/t. Pulp 938170 reported ~30% lower in the re-analysis, within acceptable calculated standard limits. ALS quality analysts reviewed the fusion and instrumental logs but were unable to identify the cause of this difference. Due to the low grade nature of the Au in this batch, the discrepancy was determined to be of minor importance and the original certificate was accepted. All other Au standards for this certificate performed within acceptable limits.

Cert VA10110622 Au Outlier

Sample 937630 was originally reported anomalously high at 0.426 g/t (Figure 4). Samples 937530 and 937630 reported 19% higher and 22% lower, respectively, in the Au re-analysis for this certificate, however all other samples compare well with the original results.

Au samples surrounding the STDs (Sample ID's 937530 and 937630) are very low grade and although these standards were returned with variability from the original result, the surrounding samples have similar results to the original, and the original values were accepted.

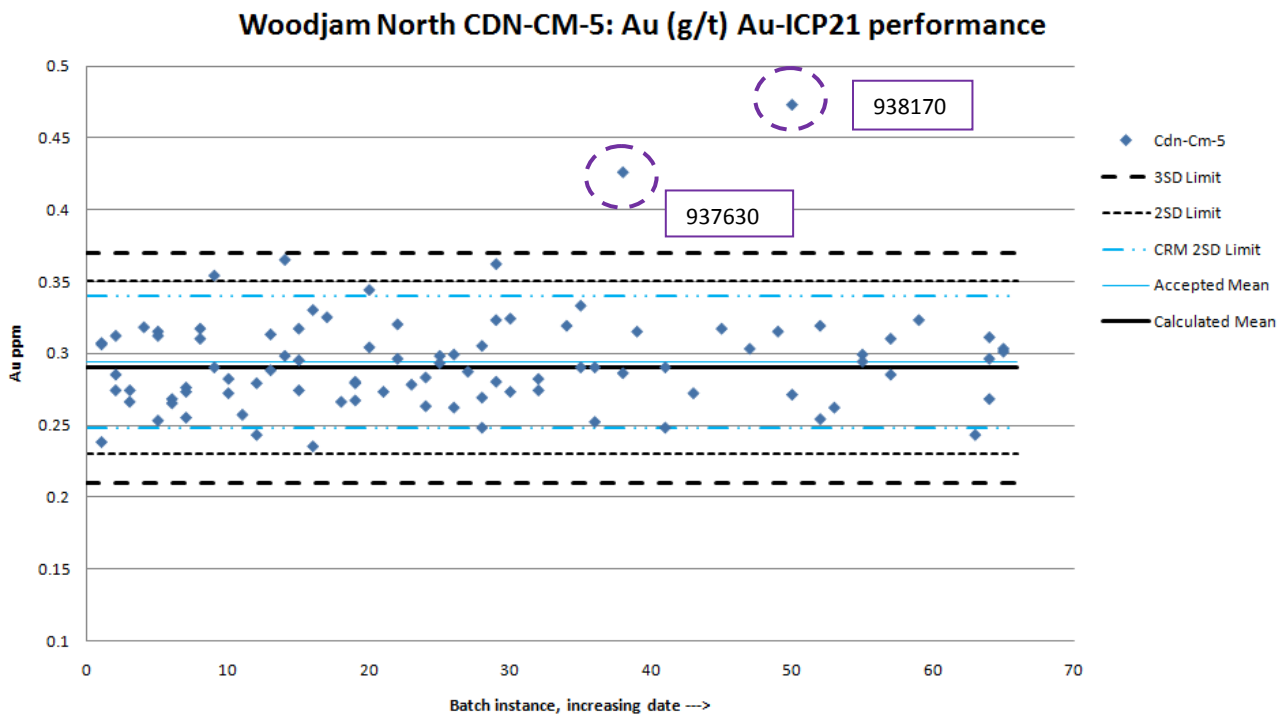


Figure 4: ALS Au Standard performance, CDN-CM-5. Investigated outliers circled and labelled.

The Au repeats are difficult to assess in terms of calculated boundaries of acceptance because the non-standard samples have values very close to the detection limit. Regardless of standard results, a resource estimate would not be affected due to the very low ppb grade of these samples (verified by the reanalysis). Illustrative plots for Au were not created because of the 'fan effect' of duplicate samples close to the detection limit, which make the re-assay results appear unreliable due to scale effects of the calculation.

Cu Outliers- CDN-CM-5

Standard CND-CM-5 performed well for Cu in general. Cu values that approached the lower calculated 3 standard deviation guideline were within the 2SD limit for the accepted round robin results, and were considered acceptable values as they were not strong outliers. At the high end, two samples exceeded the 2 calculated standard deviation guideline by a marginal amount and these were not considered to be strongly anomalous and were accepted within the calculated 3 standard deviation envelope of acceptance.

Two upper limit values were investigated for CDN-CM-5. The lower limit values were within the CRM guidance and were considered less anomalous

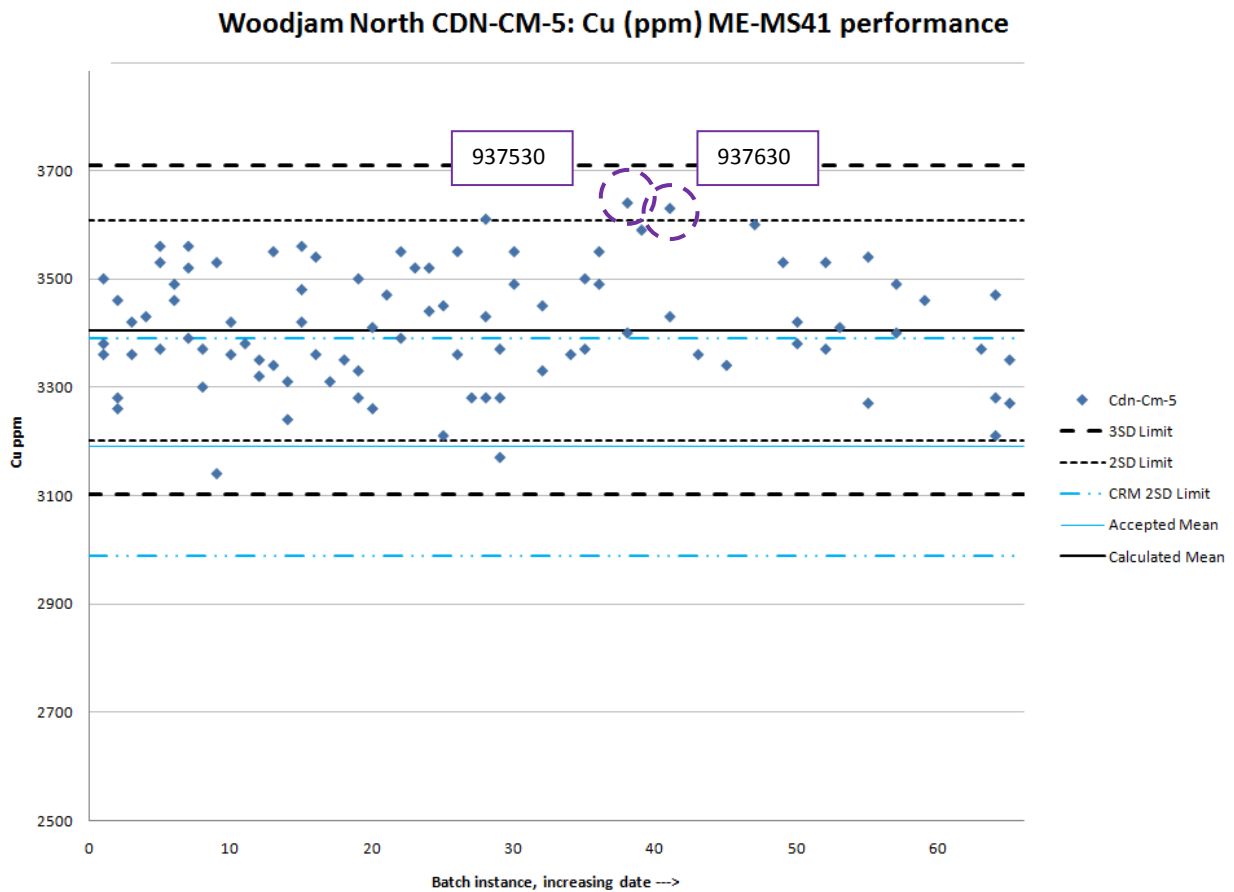
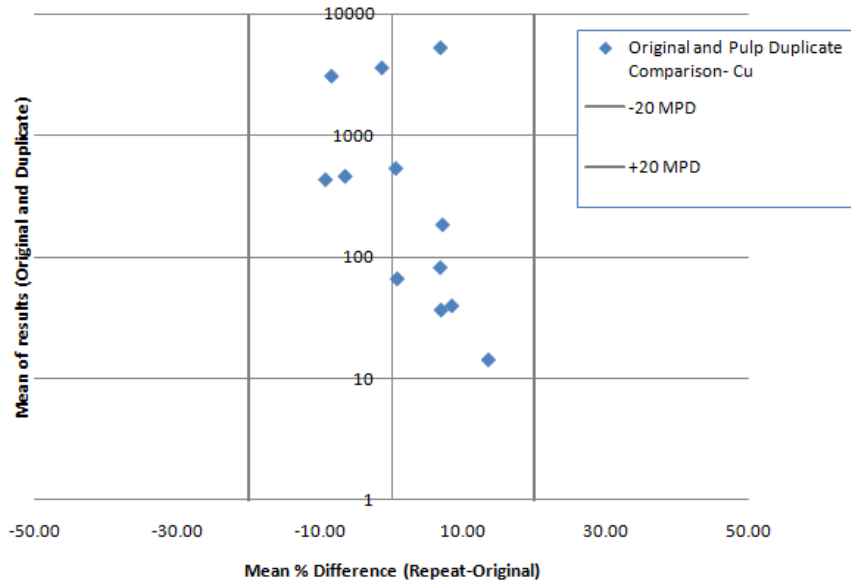


Figure 5: ALS Cu Standard performance, CDN-CM-5. Investigated outliers circled and labelled.

VA10114514 Cu outlier

Sample 937530 was returned as 3630 ppm (Figure 5), lying between the 2 and 3 calculated SD limit for CDN-CM-5, and was investigated to see comparability of the other results in the certificate. The re-assay results for the standard samples was -1.38%, and for the other standard sent with the reanalysis a mean percent difference of 7% was noted. Pulps analysis comparison performed well within 20%, with the highest difference being 13% (Figure 6). Relative standard deviation was calculated as 4.51% and the original certificate was accepted.

Original and Pulp Duplicate Comparison- VA10114514- Cu outlier



Cu Repeat vs Original- Cert VA10114514 reassay

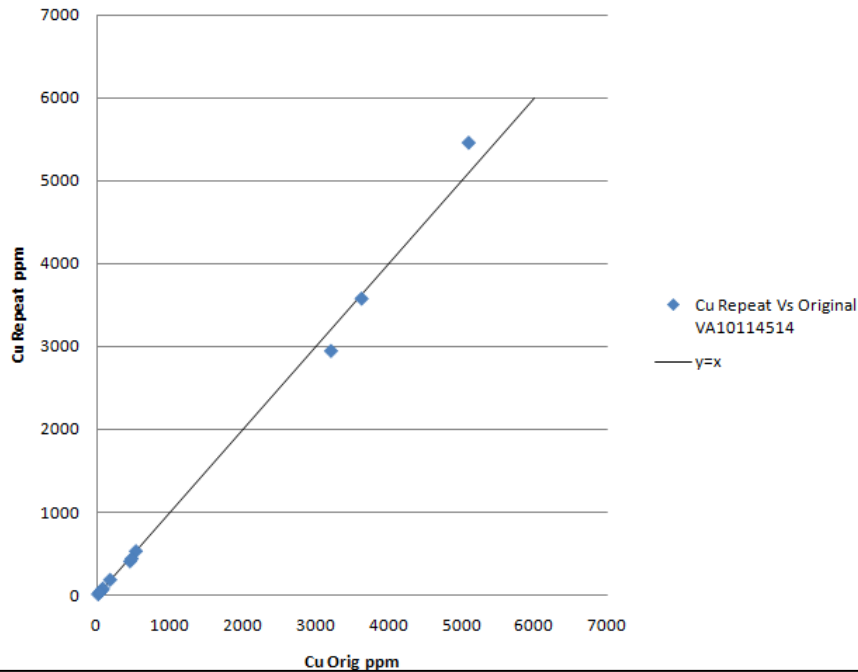
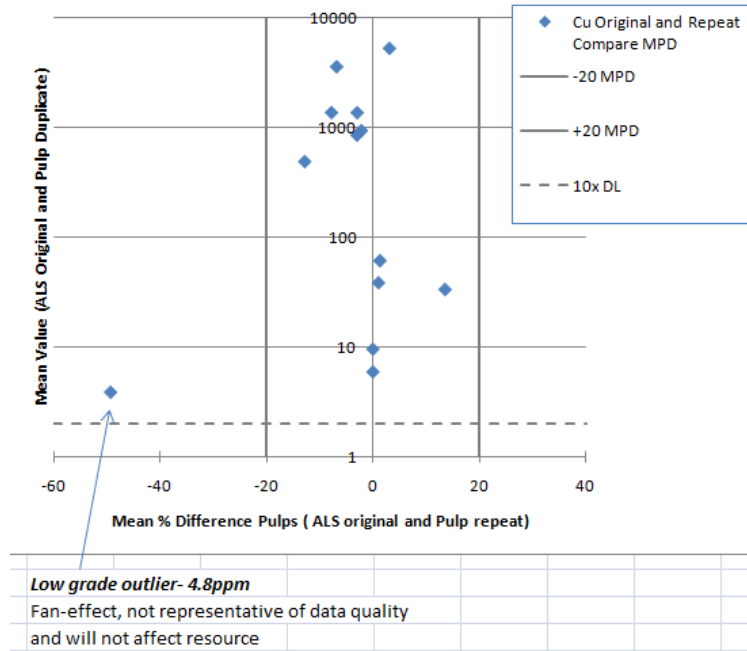


Figure 6: Original and reassay comparison, VA10114514 .

VA10110622 Cu outlier

Sample 937630 was returned as 3600 ppm (figure 5), resting between the 2 and 3 calculated SD limit for CDN-CM-5, and was investigated to see comparability of the other results in the certificate. The re-assay results for the standard sample in question was 3400ppm, or -6.8 mean percent difference. The other standard pulp re-assayed in the checks had a mean percent difference comparison of +3%. Core pulp re-assays performed well within 20%, with the highest difference being 13% (Figure 7). The relative standard deviation was calculated as 5.65% and the original certificate was accepted.

**Cu Original and Repeat Compare MPD-
VA10110622**



Cu Repeat vs Original- Cert VA10110622 reassay

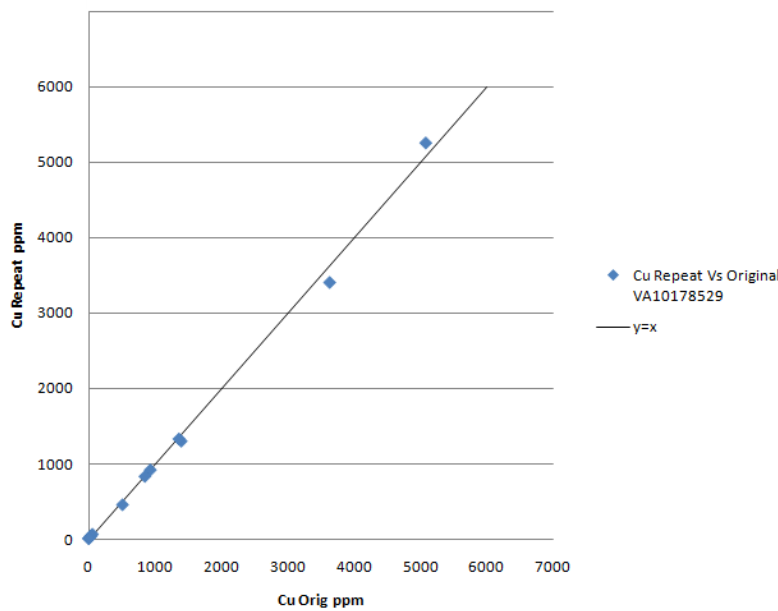


Figure 7: Original and reassay comparison, VA10110622 .

Au Outliers- CDN-CM-4

CDN-CM-4 performed well with respect to gold. Two lower level outliers were sent for pulp checks, samples 938960 from cert VA10178529; and sample 939260 from cert VA10187409 (Figure 8). The former represents an outlier below the calculated 3 SD lower limit for Au, and the latter a low Cu marginal pass between 2 and 3 standard deviations. The investigations of these samples are summarized below.

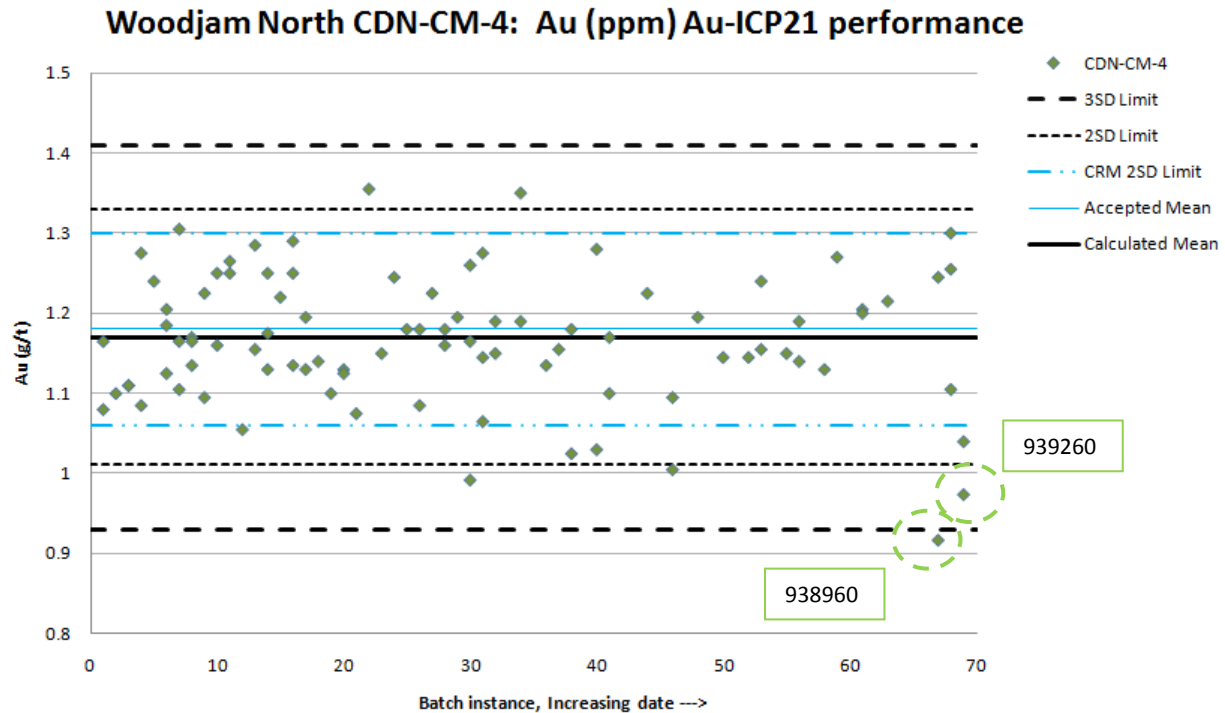
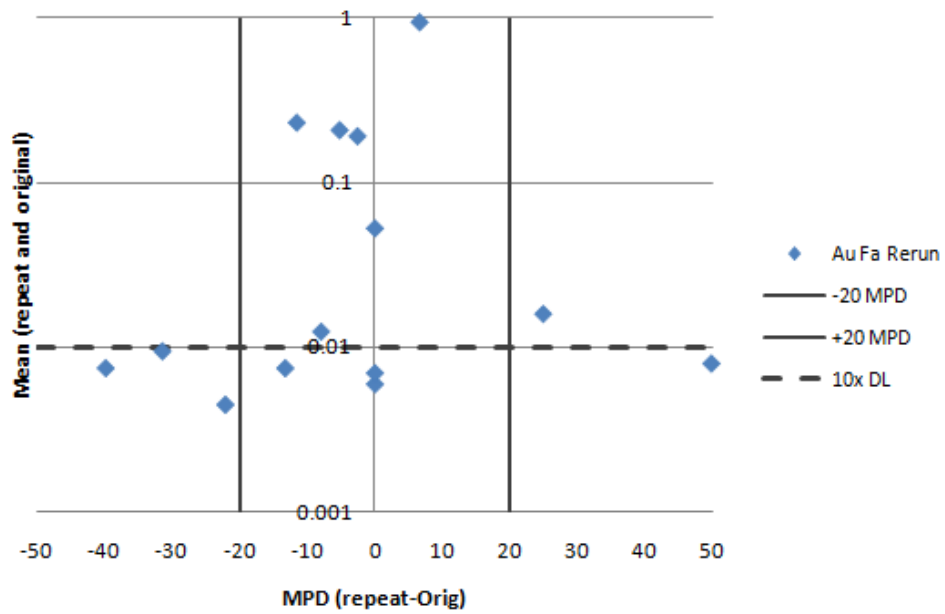


Figure 8: ALS Au Standard performance, CDN-CM-4. Investigated outliers circled and labelled.

VA10178529 Au Outlier

Sample 938960 from Batch VA10178529 was originally returned below the acceptable limit for Au, at 0.917 g/t Au (Figure 8). The re-assay was returned within acceptable standard limits and the original certificate was accepted based on rerun performance in terms of mean % difference, which close to 10%. At low Au concentrations, near the 10x the detection limit cutoff, there is greater scatter, but higher grade values are reliable (0.05 g/t and above).

Mean Percent Difference Plot- VA10178529 Au Reassay



Au Repeat vs Original- Cert VA10178529 reassy

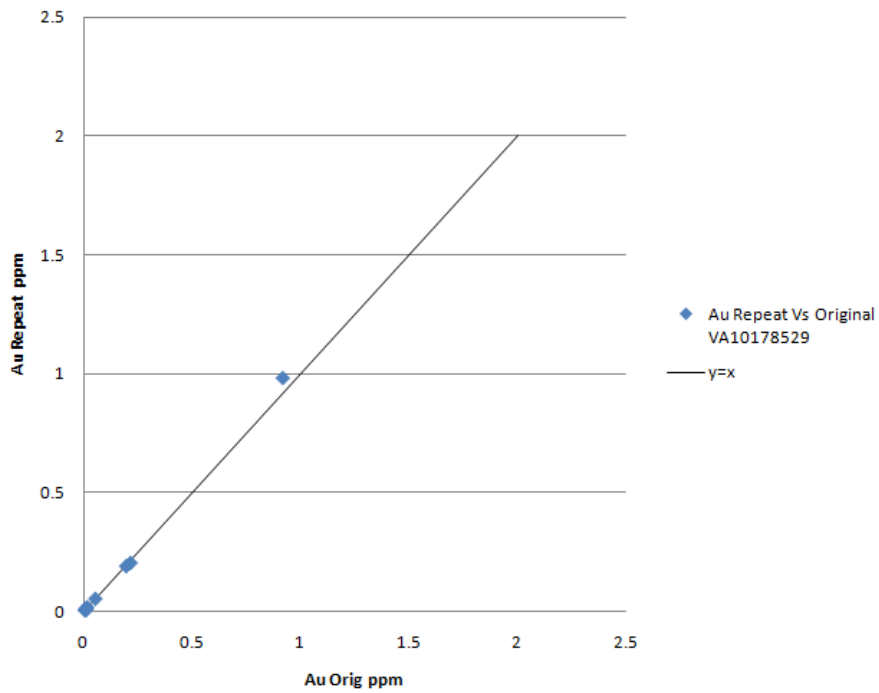


Figure 9: Original and reassay comparison, VA10178529 .

VA10187409 Au outlier

Sample 939260 from cert VA18187409 was returned at 0.974 ppm (Figure 8), lying between the 2 and 3 calculated standard deviation window. Follow-up was undertaken on this sample to ensure that gold was not underreported on this certificate. The suspect standard result was returned as 1.03ppm, near the 2SD lower limit, but was deemed acceptable. Overall the pulp re-assay results compared well, however a negative bias was noted at the lower grade and the higher grades had a positive bias.

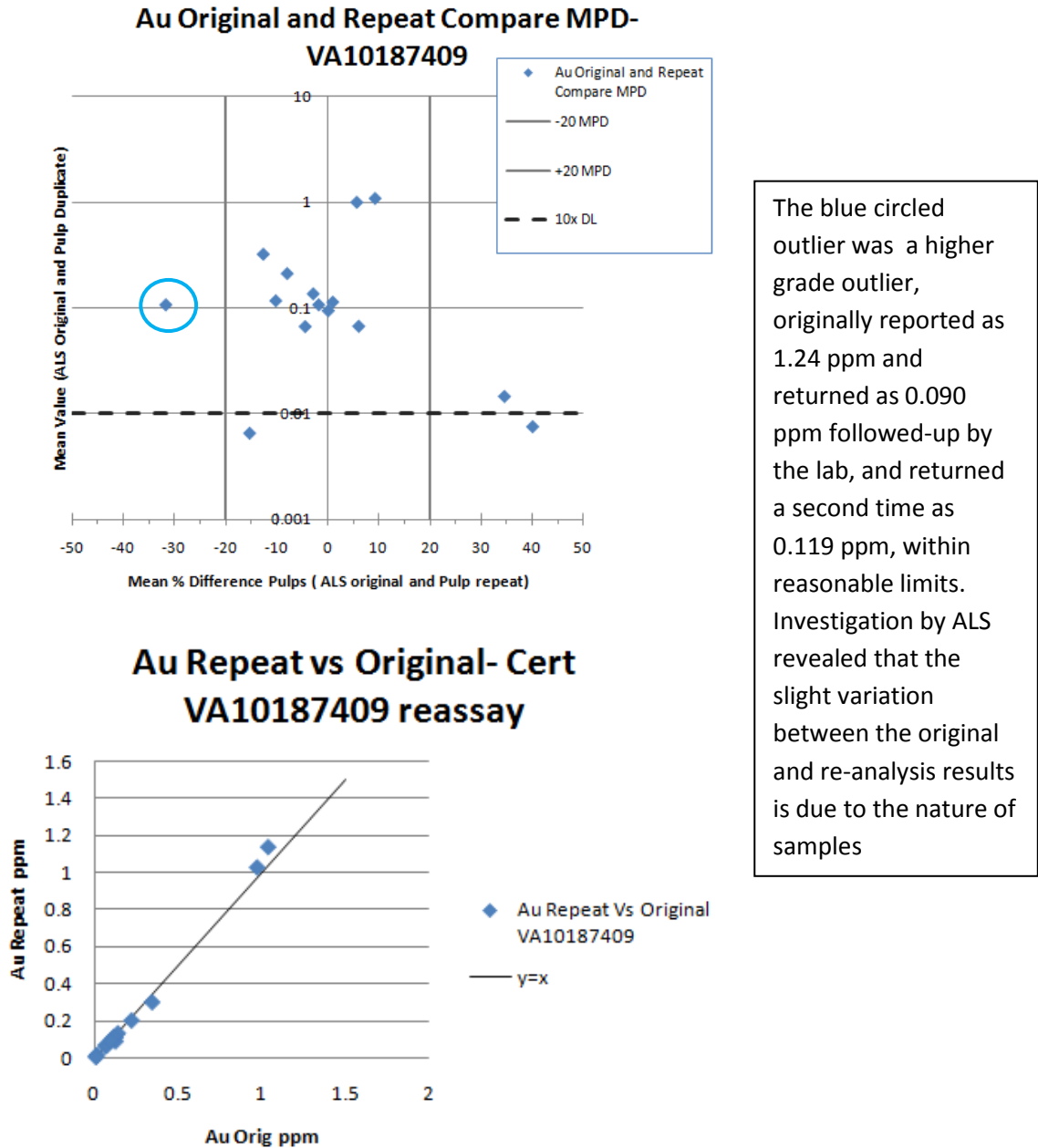


Figure 10: Original and reassay comparison, VA10187409 .

Cu Outliers- CDN-CM-4

VA10178529

Sample 938960 (CDN-CM-4) was originally reported above the calculated 2 SD acceptable limit for Cu, at 5610 ppm (Figure 11), but within the 2SD field. A set of pulp checks was undertaken to ensure validity of the original results. The re-assay was returned lower at 5060 ppm corresponding to a mean percent difference of -10.31%. Sample 938980 for this certificate was also a high Cu fail (STD CDN-CGS-23) with the rerun being returned close to the accepted value for Cu, this case is described above.

Overall the Cu reanalyses show a negative bias towards the original results- ie the repeats are consistently lower than the original results, however as the comparison between the two sets of economic-grade results is ~10% average mean percent difference, and the lower grade are within 20% MPD, the original results are considered reasonable. The average relative standard deviation was 7.18%, which is acceptable.

The outlier sample at -28 MPD (Figure 3) was originally reported as 113ppm and was returned from the re-assay as 85ppm, however this outlier is not of great concern due to the low, subeconomic concentration of Cu, and no further follow-up was deemed necessary.

VA10082304

Sample 206140 was returned within guidance of the round robin 2SD lower limit (Figure 11), and between the 2 and 3 calculated standard deviations for the standard, and although this sample is a comparatively low Cu result, follow-up was not performed as it was within acceptable limits for the standard.

VA10078839

Sample 206290 from cert VA10078839 was originally returned at 5700ppm (Figure 11), just outside of the 3SD calculated upper limit for the CDN-CM-4. To follow up on this result, 17% of the batch, including 3 additional standard samples were sent for pulp re-assay. The results reported from the re-assay batch had an obvious negative bias when compared to the original, with higher values being present in the first set of analyses (Figure 12). In each of two cases of CDN-CM-4 samples being re-assayed, the re-assay result was returned on the lower end of acceptance, lower than the calculated mean, but CDN-CM-5 and CDN-CGS-23 returned assay results close to the calculated means in the reanalysis.

Despite the negative bias, the re-assay results compare dominantly within 8% mean percent difference and exclusively within 14%, despite the fanning effect seen on the subeconomic grade samples. The calculated relative standard deviation was 3.73%. The original results were accepted.

Woodjam North CDN-CM-4: Cu (ppm) ME-MS41 performance

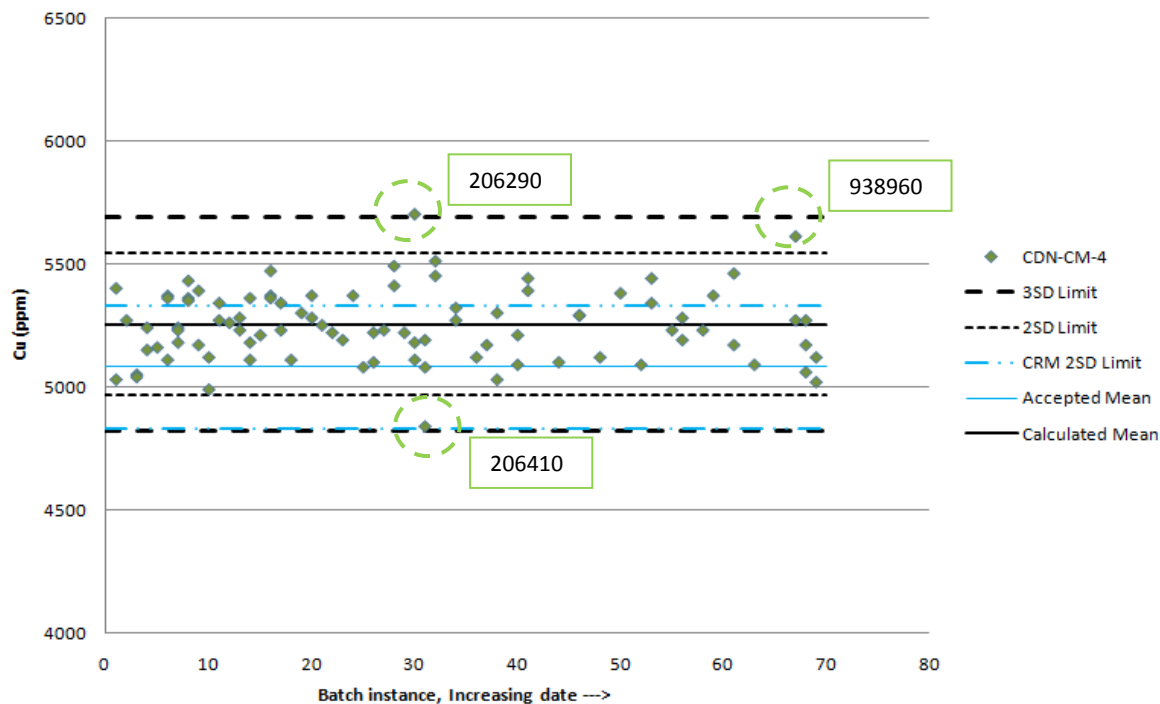


Figure 11: ALS Cu Standard performance, CDN-CM-4. Investigated outliers circled and labelled.

Field Blank Performance- Woodjam North

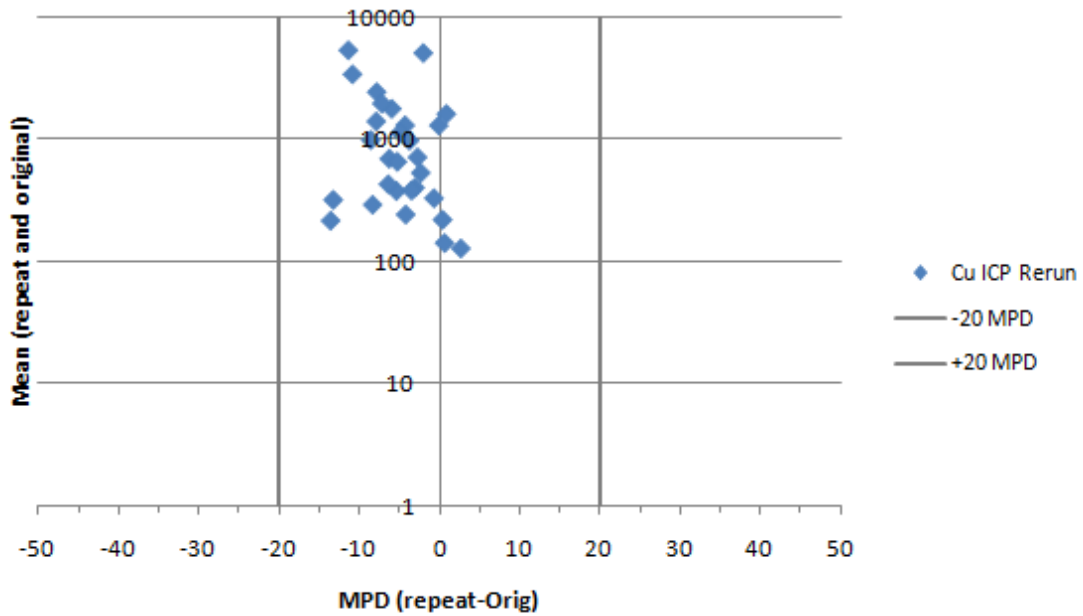
Au Blank performance for Woodjam North samples was acceptable overall, with one contaminated sample reaching 0.059ppm and one reaching 0.026ppm. This is very low level contamination.

Anomalous Au Blanks

Certificate VA10037757 contained the higher of the two anomalous Au blanks (59ppb). This sample (204380) (Figure 13, table 1), was also the high Cu failure investigated below. To investigate the probable contamination in this sample, 10 pulps were sent back for coarse reject analysis, representing 9% of the batch. All other blanks and standards performed well in this certificate and therefore the samples adjacent to and surrounding the anomalous blank material were selected for coarse reject re-prep and assay checks.

The Au coarse reject check assays came back within reason considering the overall low grade, and no consistent bias was noted (Figure 14). The contaminated blank sample was returned slightly higher than the original value, at 68ppb, indicating the contamination is real. The remaining samples performed well, within +/-20% mean percent difference except for sample 204384 which was returned 60ppb lower than the original, or 28% different, corresponding to a mean % difference of -32.3%. Regardless of this result, which could be due to a nugget effect, the original certificate was chosen to be representative and the original values were accepted.

Mean Percent Difference Plot- VA10078839 Cu Reassay



Cu Repeat vs. Original- VA10078839

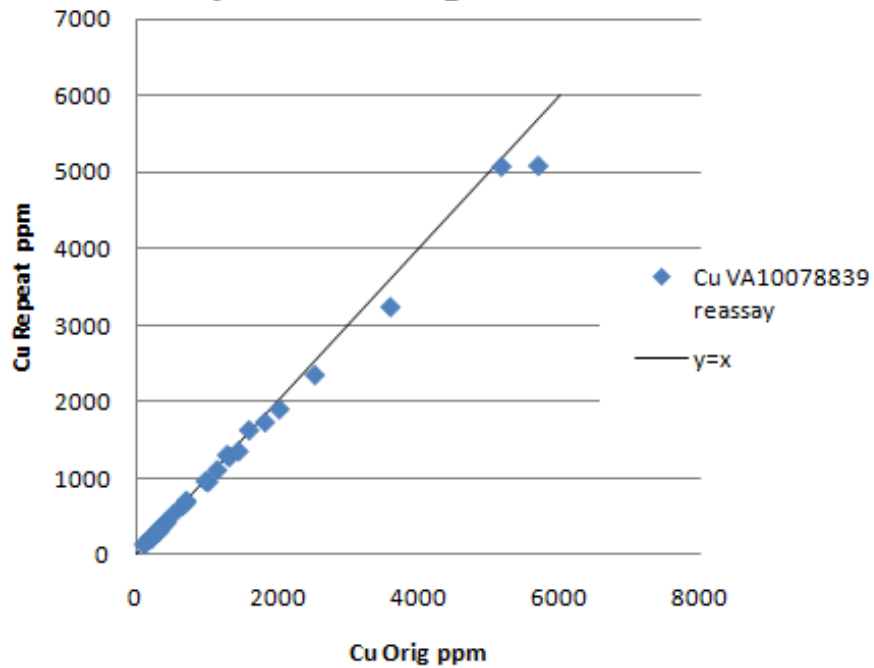


Figure 12: Original and reassay comparison, VA10078839.

Au sample 938600 from certificate VA10144346 was noted to be slightly anomalous, but at very low levels (26ppb). As this sample was only weakly anomalous, at 3 times the calculated standard deviation for gold, the result was considered to be of marginal concern. Contamination of this level is difficult to follow-up on, as it would contribute an insignificant amount of contamination relative to the grade of the adjacent samples which were between 1.56 and 1.89ppm. The precision tolerance for the re-assay would mask the effects of the contamination, which at a level of 26ppb is between 1-2% of the assay results, and no follow-up was performed. All other blanks and standards performed well in this certificate and the original results were accepted.

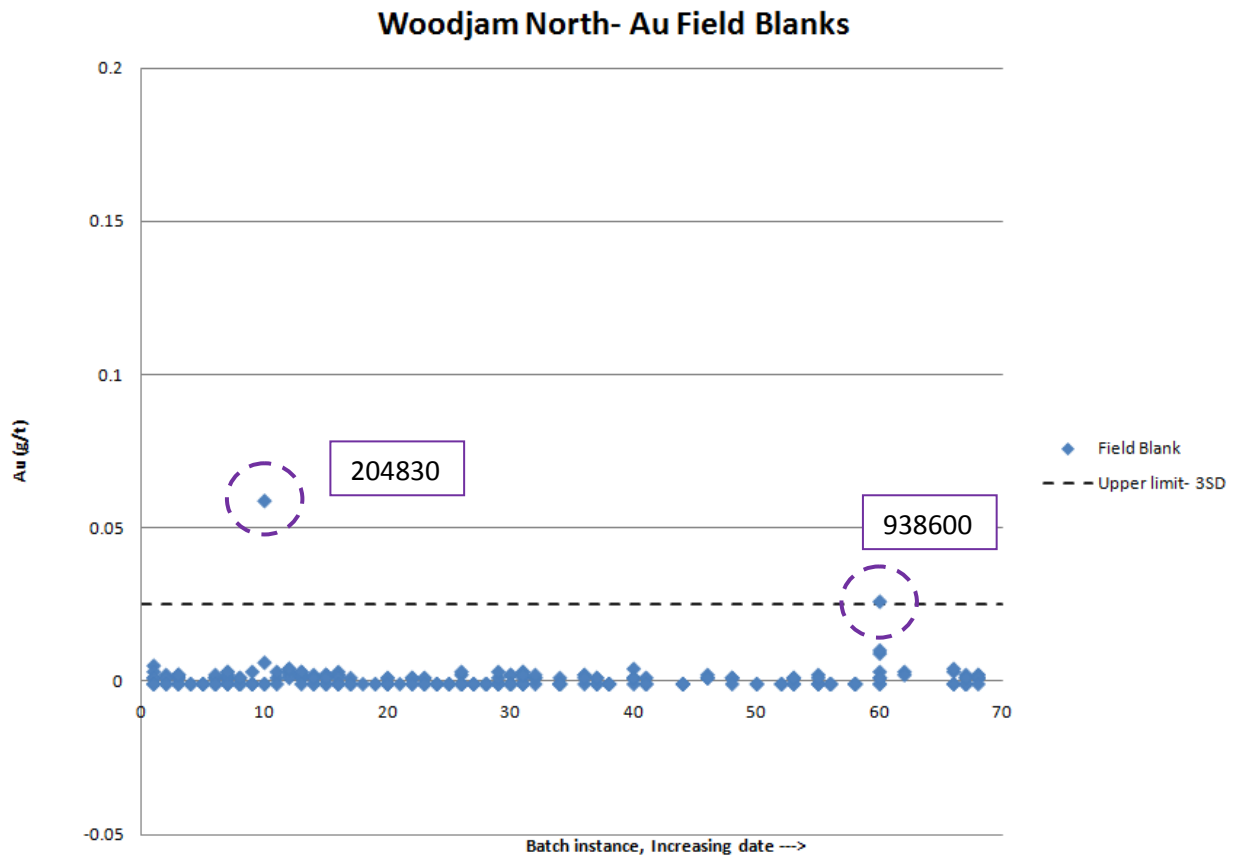


Figure 13: Blank performance- Au results. Outliers of interest circled and labelled

Table 1: Original and reassay results for VA10037757 anomalous blank (#204380)

SampleID	Au (ppm) Orig	Au (ppm) Coarse Reject
204375	0.115	0.137
204376	0.111	0.117
204377	0.103	0.1
204378	0.084	0.095
204379	0.165	0.156
204380	0.059	0.068
204381	0.084	0.074
204382	0.136	0.134
204383	0.207	0.228
204384	0.216	0.156

Au Mean vs Au MPD Coarse Reject Comparison- cert VA10037757 blank fail

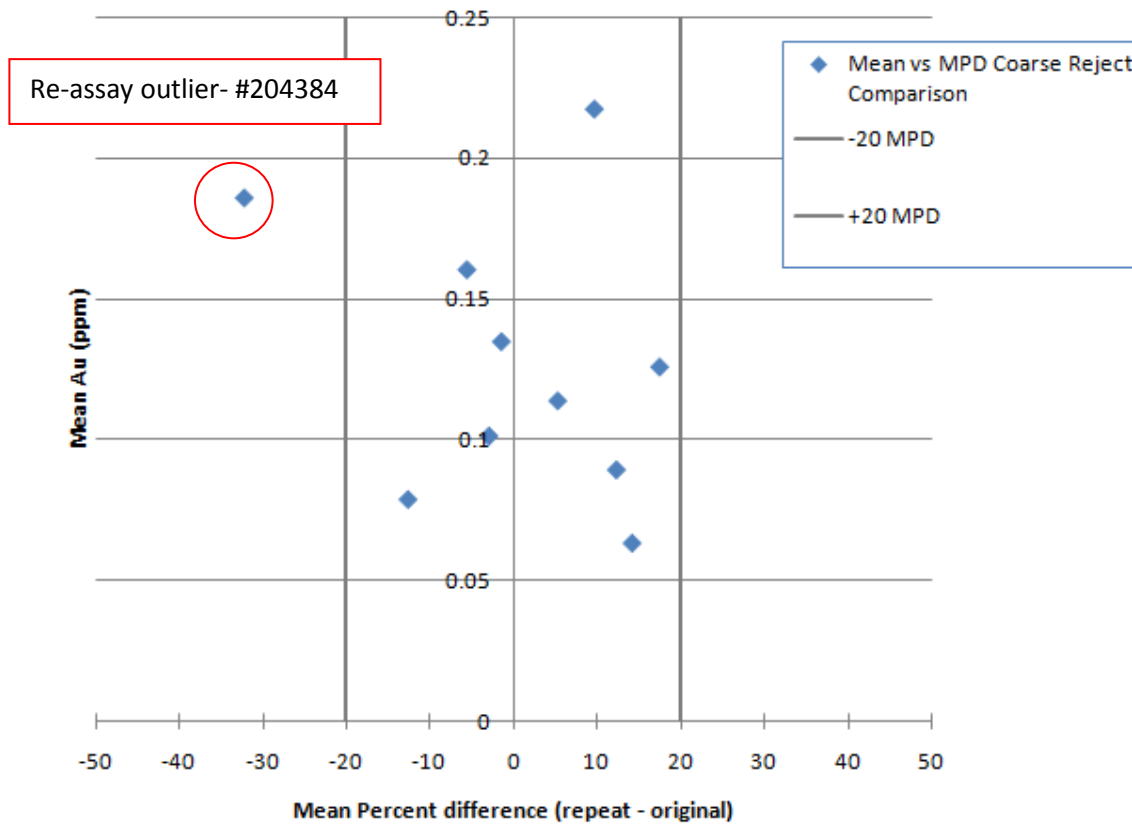


Figure 14: Original and reassay comparison, VA10037757 blank fail. Overall good reassay comparison with one outlier.

Cu Blank Fail

Sample # 204380 for VA10037757, Cu blank returned as 1100ppm Cu (Figure 15). This blank sample also had slightly elevated Au, at 59ppb (0.059ppm). All standards submitted with this batch and all other blanks submitted with this batch were within guidance.

Mean percent difference comparison shows a positive bias towards repeat results indicating that the prep/assay of the coarse reject samples resulted in overall higher assay values for almost every sample, including FB sample 204380. This sample was selected also as a pulp check for Cu, and was returned in the pulp check as 1140ppm (Figure 16, Table 2).

Comparison results between the copper results for the two certificates are acceptable, however the blank material remains high in Cu, and therefore remains suspect. The standards and all other blanks in the original batch were all returned within acceptable values so if any contamination does exist it does not extend past these few samples.

The coarse reject check shows that the contamination is real, yet an isolated event. This contamination is a likely result of the initial preparation, as the sample is also weakly anomalous in Au. Despite this known contamination, it seems to be restricted to a small sample subset, and as all standards and blanks in the remainder of the certificate were acceptable, the original certificate was accepted.

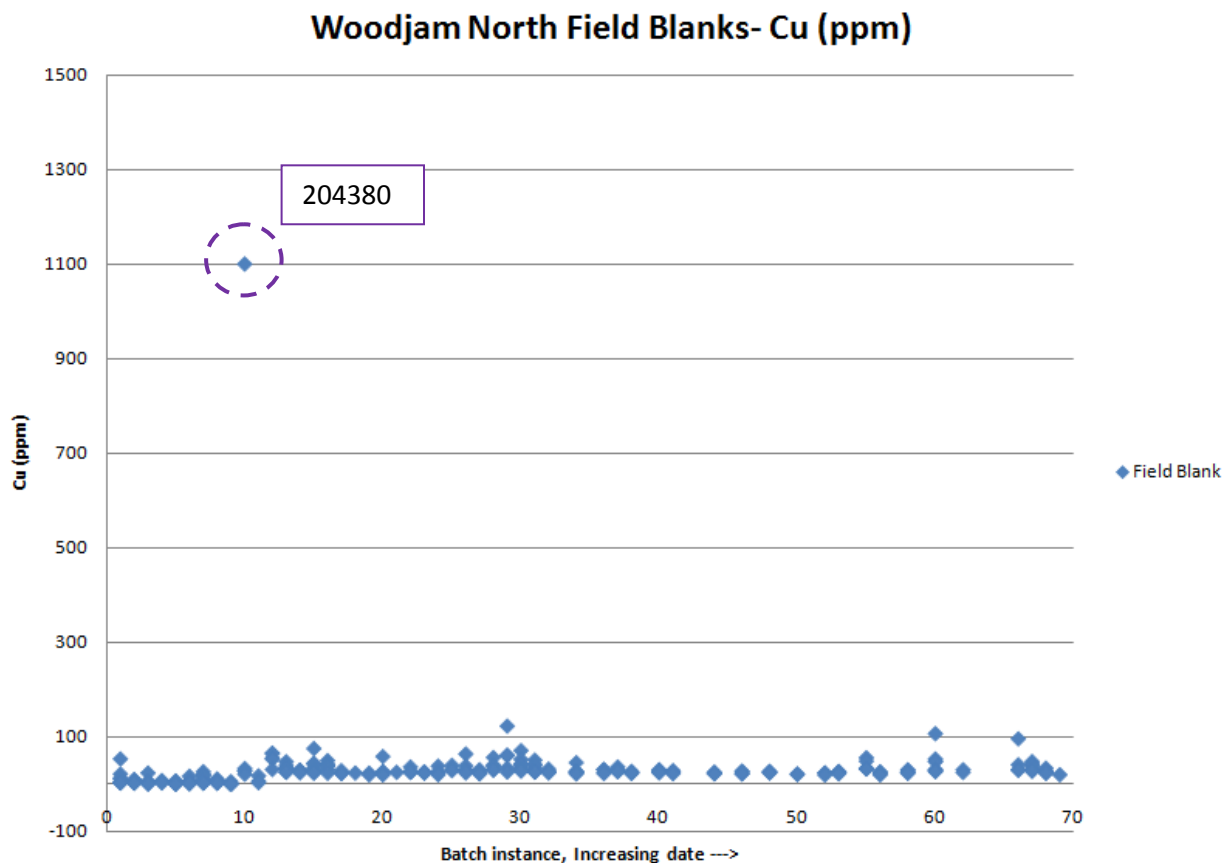


Figure 15: Cu Blank performance, with investigated outlier circled and labelled

Cu Mean vs Cu MPD Coarse Reject Comparison for Cert VA10037757 Blank Fail

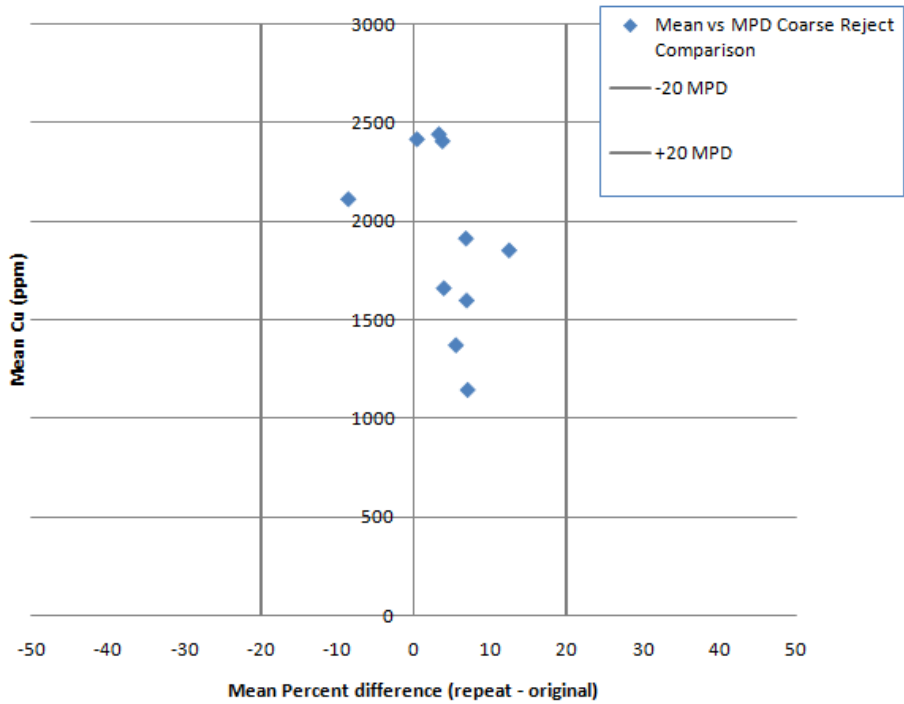


Figure 16: Original and reassay comparison, VA10037757 Cu blank fail. Overall good reassay comparison.

SampleID	Cu	
	Original (ppm)	Repeat (ppm) (coarse rejects)
204375	2200	2020
204376	1845	1975
204377	2360	2450
204378	2400	2480
204379	1330	1405
204380		
(Blank in question)	1100	1180
204381	2410	2420
204382	1625	1690
204383	1540	1650
204384	1735	1965
Ch:204380_L1CR		
(Pulp check on blank)		1140

Table 2: Original and repeat results for Cu blank fail, certificate VA10037757.

Umpire (Acme) and ALS Lab Checks

To evaluate the performance of ALS as compared to a second lab, sample rejects were sent directly from ALS to Acme Labs of Vancouver. Two types of umpire-related checks were done (in different batches) on the same sample subset; First was a prep and analysis of the coarse rejects of the sample subset, and second was an analysis of the pulp rejects of the same sample subset. The sample subset used was carefully chosen to represent a random 7.7% of mineralized samples from the entire Woodjam North 2010 field season. When choosing the pulp/coarse reject sample subset, care was taken to ensure that each original certificate with mineralized material was represented by at least one sample. Mineralized samples for Woodjam North were defined as representing samples with Au values greater than or equal to 0.1 g/t.

These coarse reject samples and pulp reject samples were pulled from ALS storage and sent directly to Acme labs for the umpire checks. Standard reject pulps previously analyzed at ALS were sent to Acme to be inserted with the new coarse reject pulps to get an idea of lab performance on the same standard pulps. The corresponding pulp rejects were analyzed in a different batch, with quality control provided by a representation of >10% of standard pulps sent independently of the samples.

The coarse rejects were prepped similarly to ALS methods, and the chosen comparable analytical packages used were the same for each of the pulp and coarse reject checks. These methods represented the most comparable assay methods as used by ALS and recommended by Acme (30g Fire assay for Au and 0.5g AR ICPMS for multielement).

After assay, the remaining coarse reject material at Acme was sent back to ALS, where the remaining coarse reject sample subset was prepped and analyzed as coarse reject/preparation duplicates by ALS.

Results from both the Acme and ALS coarse reject analyses were compared to the original certificate from ALS, and the Acme results were also compared to the coarse reject duplicate from ALS.

The results from the Acme umpire pulp reject analyses were compared with the ALS original results for Au and Cu in terms of mean percent difference and relative standard deviation. Standard performance was also evaluated as compared to 2010 ALS performance on the certified standards.

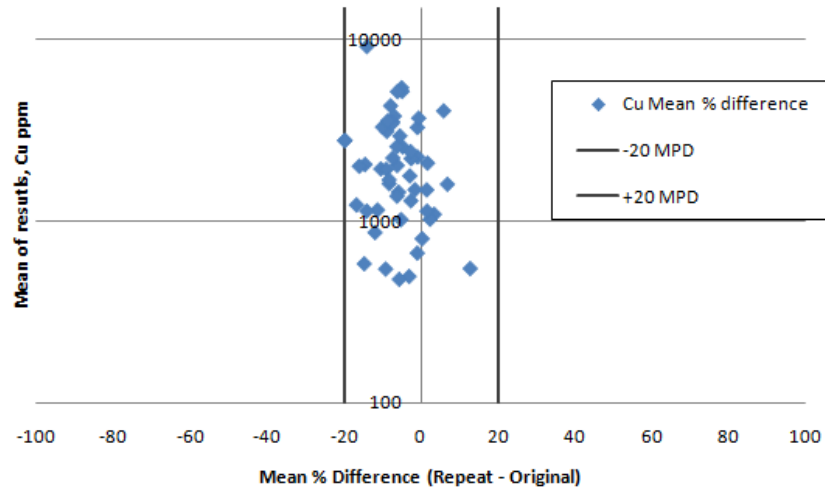
The umpire results comparisons are outlined below in terms of mean percent difference and relative standard deviation

Acme results- Coarse reject analysis compared to original ALS results-

Cert VAN11000317

The Acme results of the coarse reject checks were returned in certificate VAN11000317. Results were comparable to the original ALS results for the most part for Cu, but with a negative bias of on average -5% mean percent difference. Most Cu values plotted within the 20% guidance envelope. Considering these analyses (original and repeat) were performed with an Aqua regia digestion and with slightly different finishes, the results compared reasonably well (Figure 17).

Cu Mean % Difference- Comparison of Acme Coarse reject checks (317) with original ALS assay results



Cu Coarse Reject (Acme) repeat vs. Original (ALS)

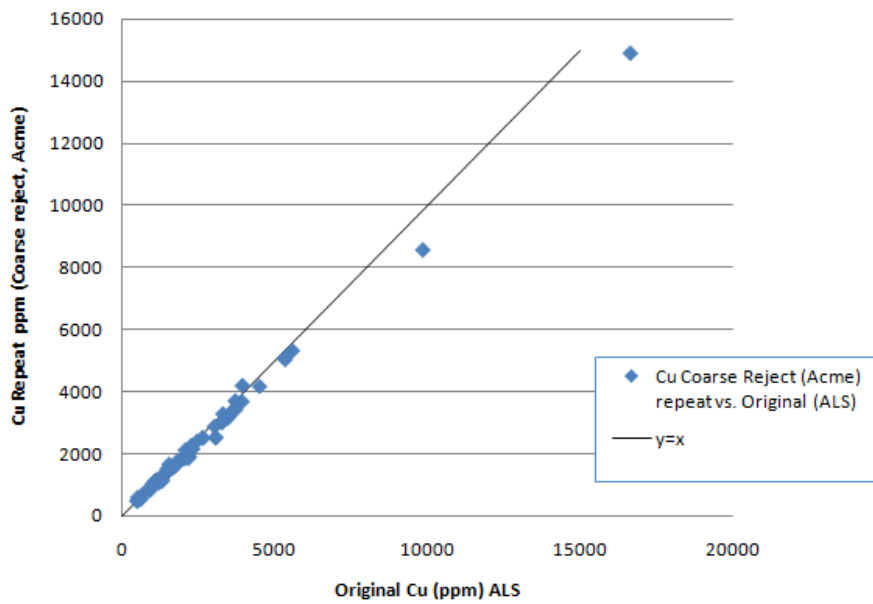
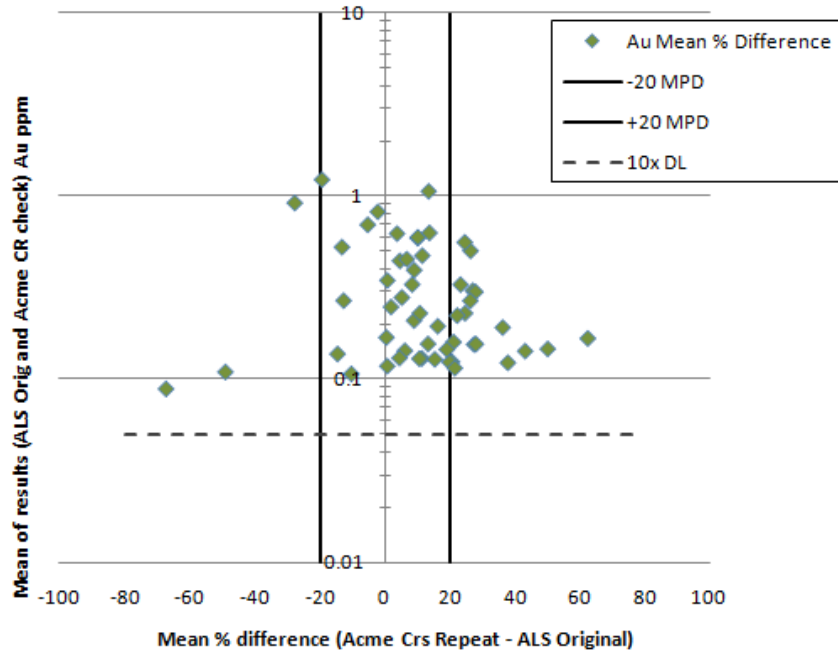


Figure 17: Comparison of Acme coarse reject (Umpire) checks with the ALS original results for Cu

The Acme results for fire assay Au were had several outliers, and standard Au performance for Acme was suspect and less consistent than ALS results when plotted together. Au results from the coarse rejects at Acme showed significant scatter and also a strong positive bias towards higher Au values at Acme (Figure 18). This was also reflected in the standard performance, particularly in standard CDN-CM-5, which had a strong positive bias (Figure 20).

Au Mean % Difference- Comparison of Acme Coarse reject checks (317) with original ALS assay results



Au Coarse Reject (Acme) repeat vs. Original (ALS)

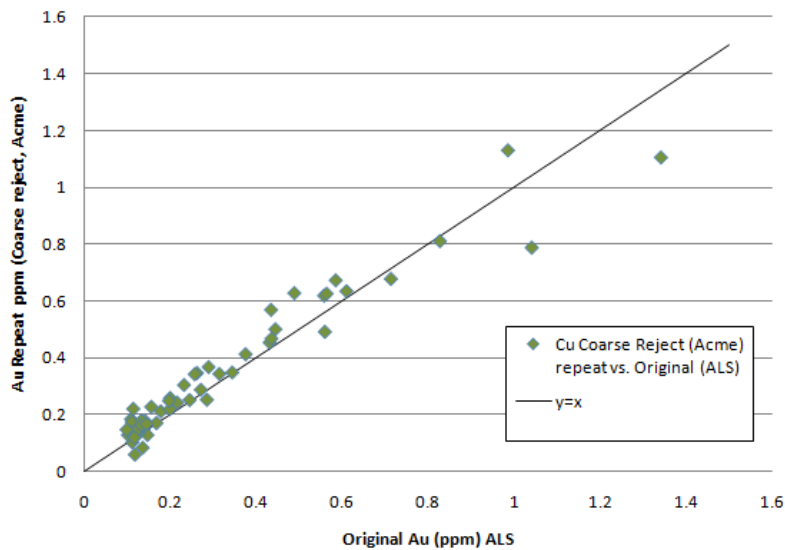


Figure 18: Comparison of Acme coarse reject (Umpire) checks with the ALS original results for Au

Standard Results- Cert VAN11000317 (and standards from VAN11000318)

Standard results on Acme certificate VAN11000317 for Woodjam North were plotted with the Acme standard results for coarse reject checks for Woodjam South from certificate VAN11000318 to supply a larger dataset of standard performance. These standard results were compared to the original ALS results from these same standard pulps. Recall that standard pulp rejects (previously analyzed by ALS) were sent with the coarse reject shipment to obtain a direct standard performance comparison on previously analyzed standard pulps (Figure 20).

The highly different comparison of the original result and the standard checks, particularly for CDN-CM-5 was considered suspect and requires follow-up analyses for Au.

Cu standard results for this certificate were reasonable, within 20 MPD, but with a strong negative bias towards higher values in the original ALS results. Relative Standard deviation for the standard checks was 5.37%, and no follow-up was considered necessary for Cu.

Acme Pulp Checks VAN11000317R (checks on VAN11000317)

To follow-up on the Au values from certificate VAN11000317, which did not provide consistent standard performance or a within-range Mean % difference comparison, the pulp rejects prepared by Acme (from the ALS coarse rejects) were sent for Au re-assay by the same fire assay method. New standard samples were supplied for this second run, as insufficient sample material existed in the original standard pulps sent to Acme. Relative standard deviation= 8.72 when comparing the results from VAN11000317 and VAN11000317R pulp re-assay results. The RSD is acceptable however individual analyses do show suspect outliers.

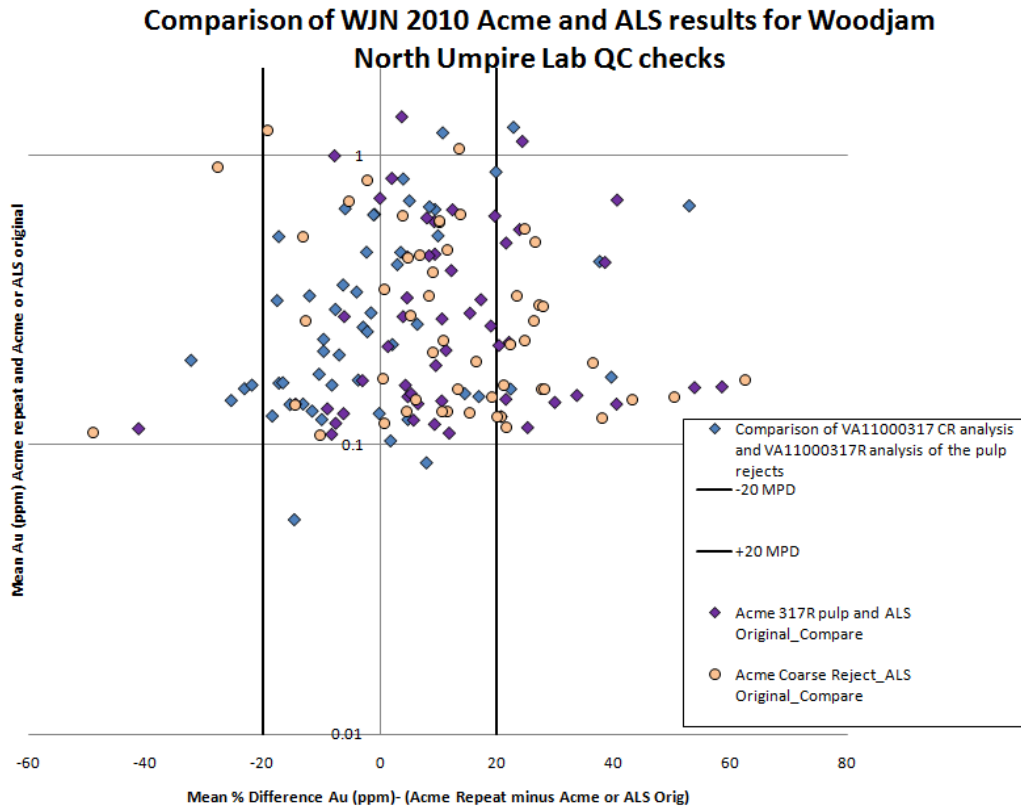


Figure 19: Comparison of different Acme coarse reject results with the ALS originals and Acme pulp checks.

Cert VAN1100317/318 Au Standard results- Acme standard pulp rejects compared to original standard assays from ALS

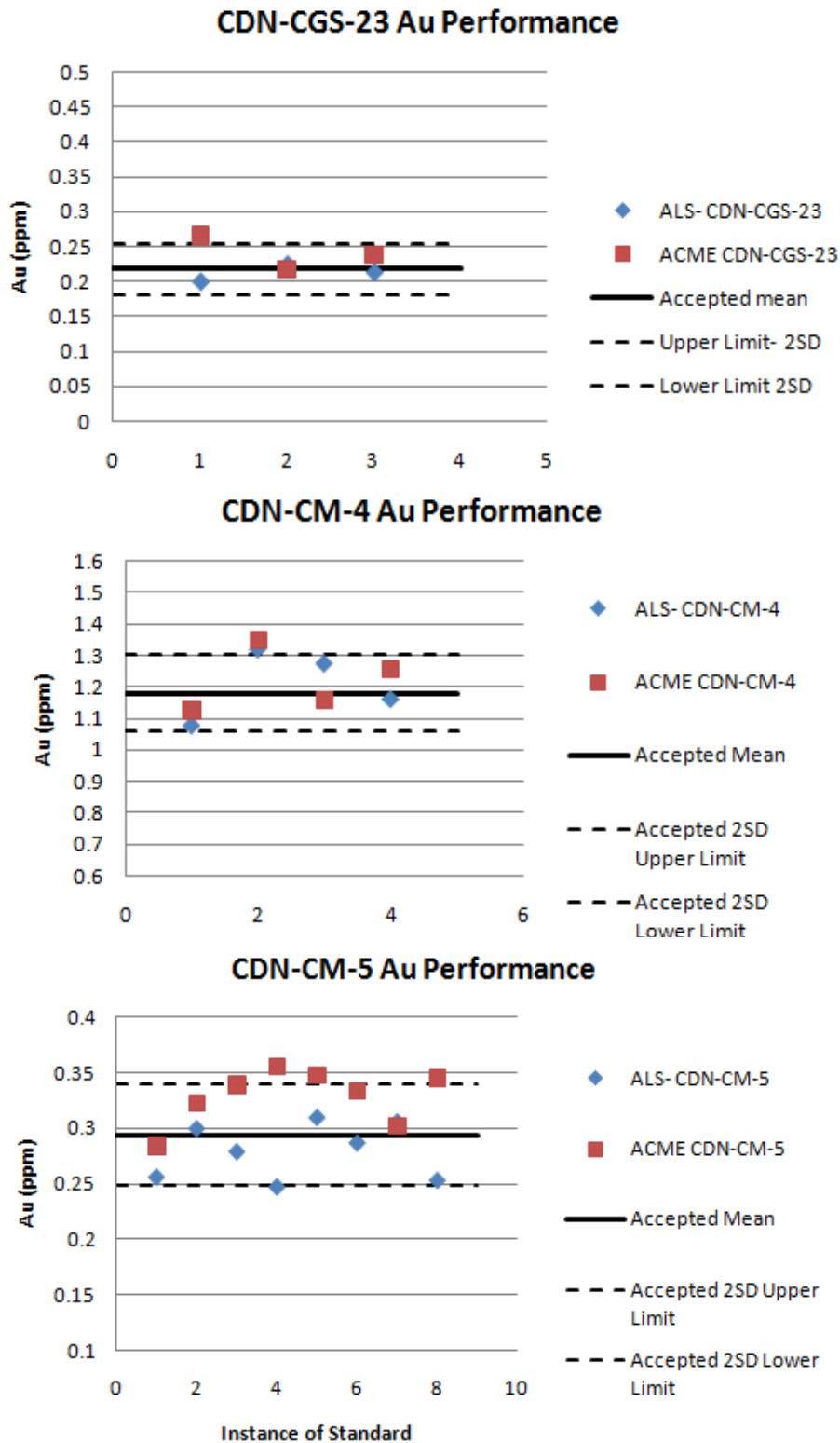


Figure 20: Cert VAN1100317 Acme standard results compared to ALS original results.

Au Standard Results VAN11000317R

Au standard results from certificate VAN11000317R were plotted with the ALS standard performance for the entire 2010 season for comparison purposes (Figure 21). It was noted that CDN-CM-5 results had two high Au standard fails of the four samples submitted with this set of pulps. CDN-CM-4 had one high Au standard fail of three standards of this type. CDN-CGS-23 performed close to the expected value, although this is a provisional gold standard as opposed to a certified Au standard.

The outlier/Au fail results are of concern due to the high proportion of failing results to the small number of submitted pulps, however the assay results are comparable overall.

Umpire (Acme) Pulp Checks

A set of Umpire pulp checks, on pulp rejects from the same set of Sample Id's corresponding to the coarse reject checks, were pulled from ALS and sent to Acme for analysis by the chosen similar methods. The pulp reject analysis for these samples (using the original ALS pulp rejects) was used to better understand the lab result comparability, without the preparation errors related to using coarse rejects.

Comparison of Acme pulp checks with ALS original assay results

Au Results

Acme pulp reject umpire checks were compared to the ALS originals in terms of mean percent difference and standard deviation. Overall it was noted that there was a positive bias towards higher Au values in the Acme results, but dominantly within 20 mean percent difference (Figure 22).

The outliers to the right of the +20 MPD lines are between 21.5- 57.6 mean percent difference. The highest difference was between the original assay result of 0.11 g/t from ALS and the repeat result at 0.199 g/t from Acme.

Relative standard deviation was calculated for the dataset comparison, and the result was an acceptable average RSD of 10.41%.

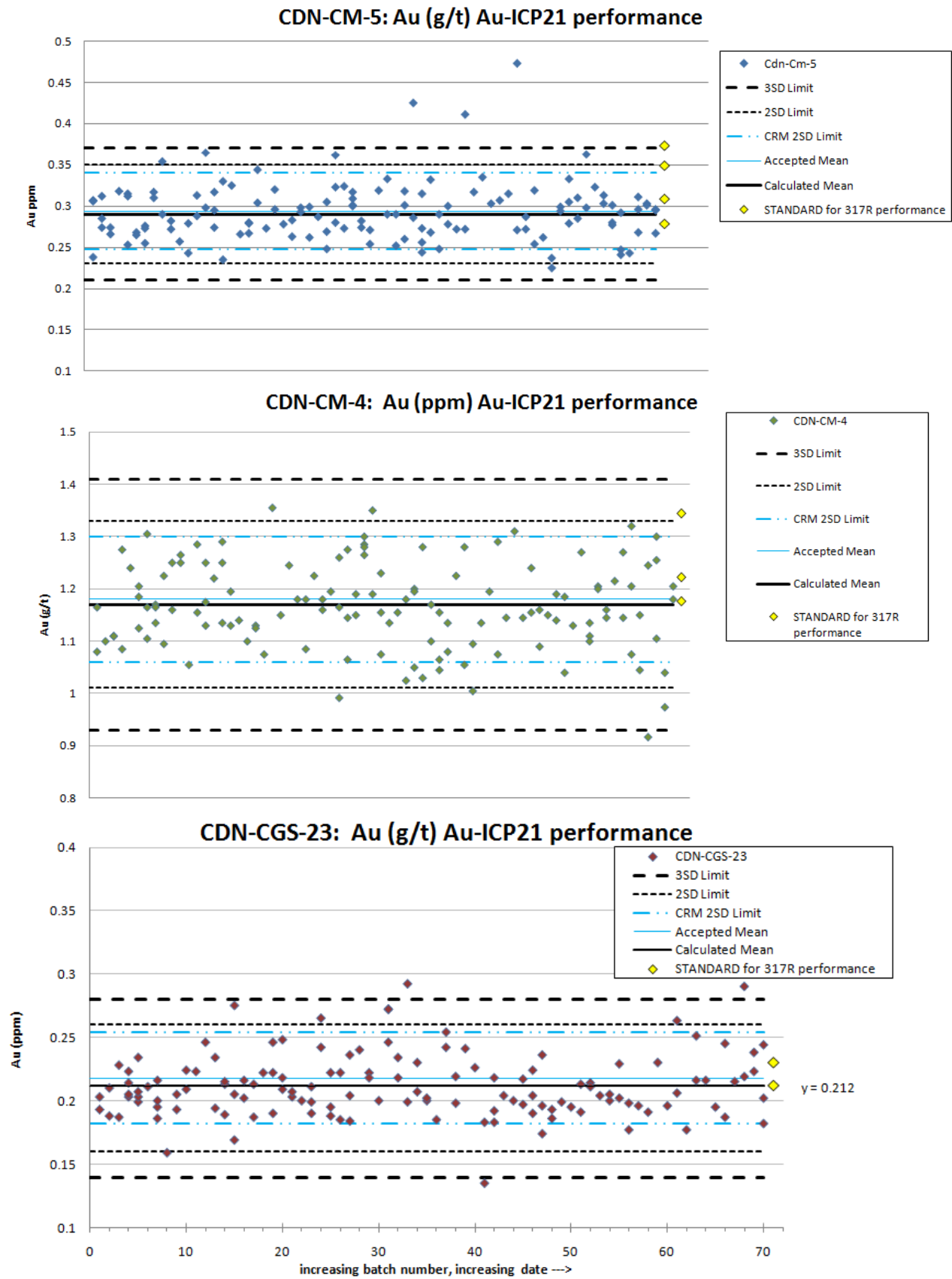


Figure 21: Acme standard performance compared to ALS performance for the 2010 season. Yellow datapoints represent Au standard performance for the standard pulps submitted with the VAN11000317R pulp checks.

**2010 Au Umpire Pulp Assays- Mean % difference plot
Acme Umpire pulp VAN11000675 minus ALS original**

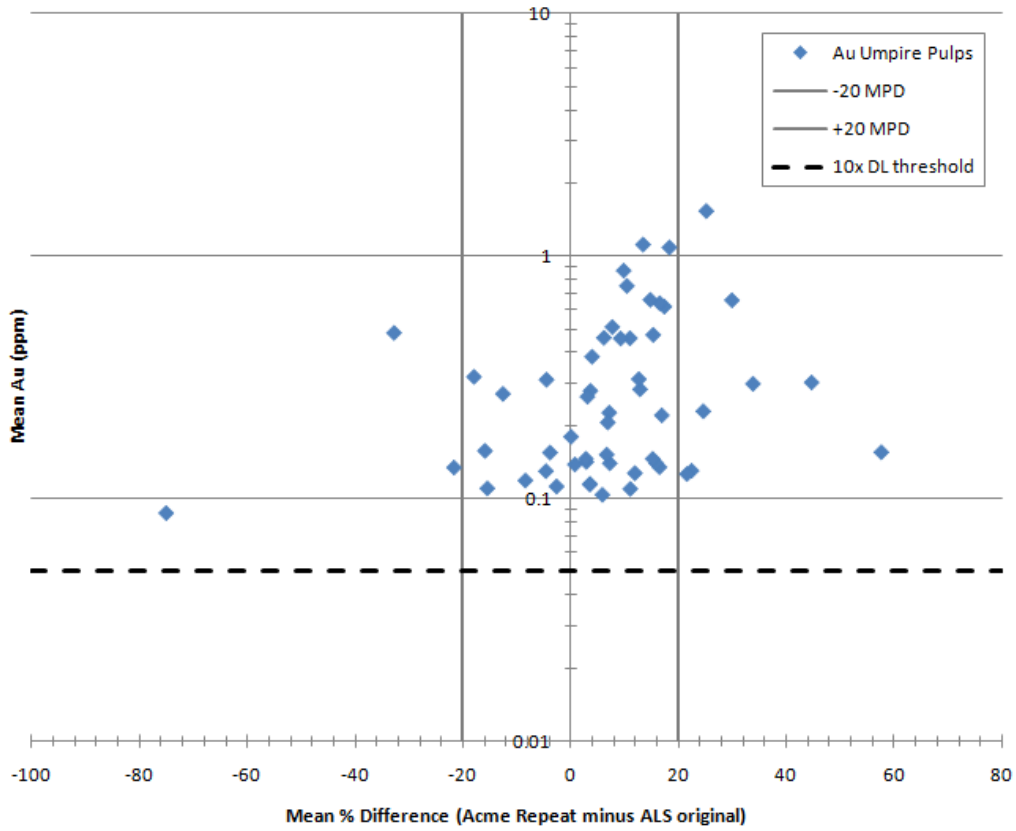


Figure 22: Comparison of the Au umpire pulp assays performed by Acme, as compared to the ALS original results.

Cu Results

Acme pulp reject umpire checks were compared to the ALS originals in terms of mean percent difference and standard deviation. Overall it was noted that there was a positive bias towards higher Au values in the ALS results, but within 20 mean percent difference (Figure 23).

Relative standard deviation was calculated for the dataset comparison, and the result was an acceptable average RSD of 3.66%.

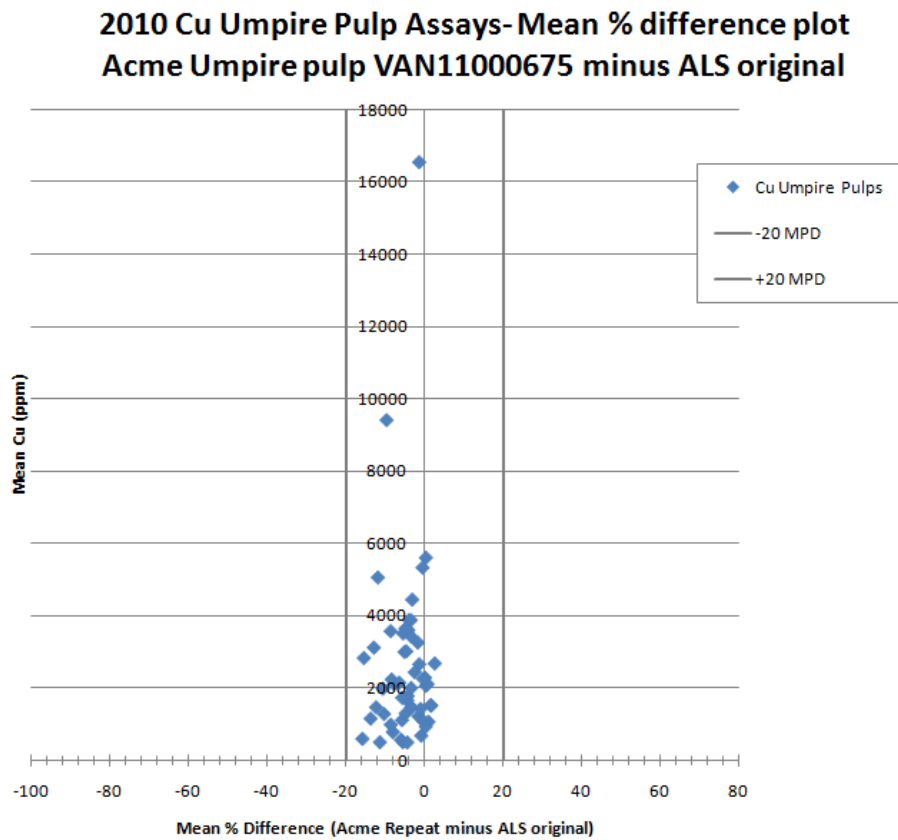


Figure 23: Acme pulp checks from VAN11000675 compared to ALS original results.

Standard Performance- VAN11000675 Pulp Checks

Au

Gold results from the submitted standards were within the certified limits, and were deemed acceptable (Figure 24).

Cu

Copper results for the standard material were consistently lower than ALS Cu results, but for each standard, fell within the CRM guidelines, generally on the low-side of the mean for CDN-CM-4 and CDN-CGS-23, but with a spread above and below the mean for CDN-CM-5 (Figure 25).

Au Standard Performance in Certificate VAN11000675, Woodjam North Umpire pulp Checks

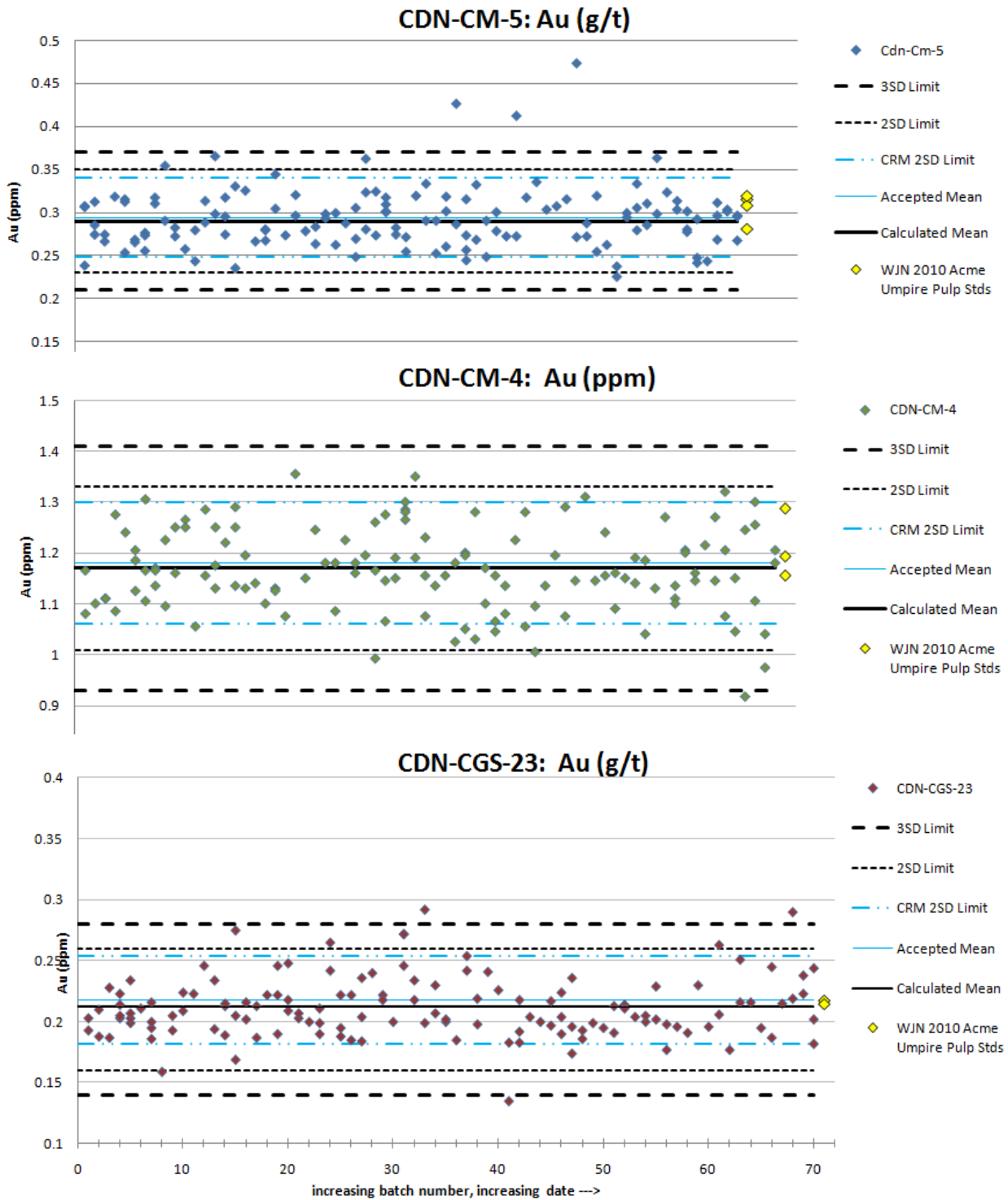


Figure 24: Acme pulp check Au standard results compared to ALS standard performance for 2010. Yellow datapoints represent Au standard performance for the standard pulps submitted with the VAN11000675 Woodjam North Umpire pulp checks

Cu Standard Performance in Certificate VAN11000675 Woodjam North Umpire pulp Checks

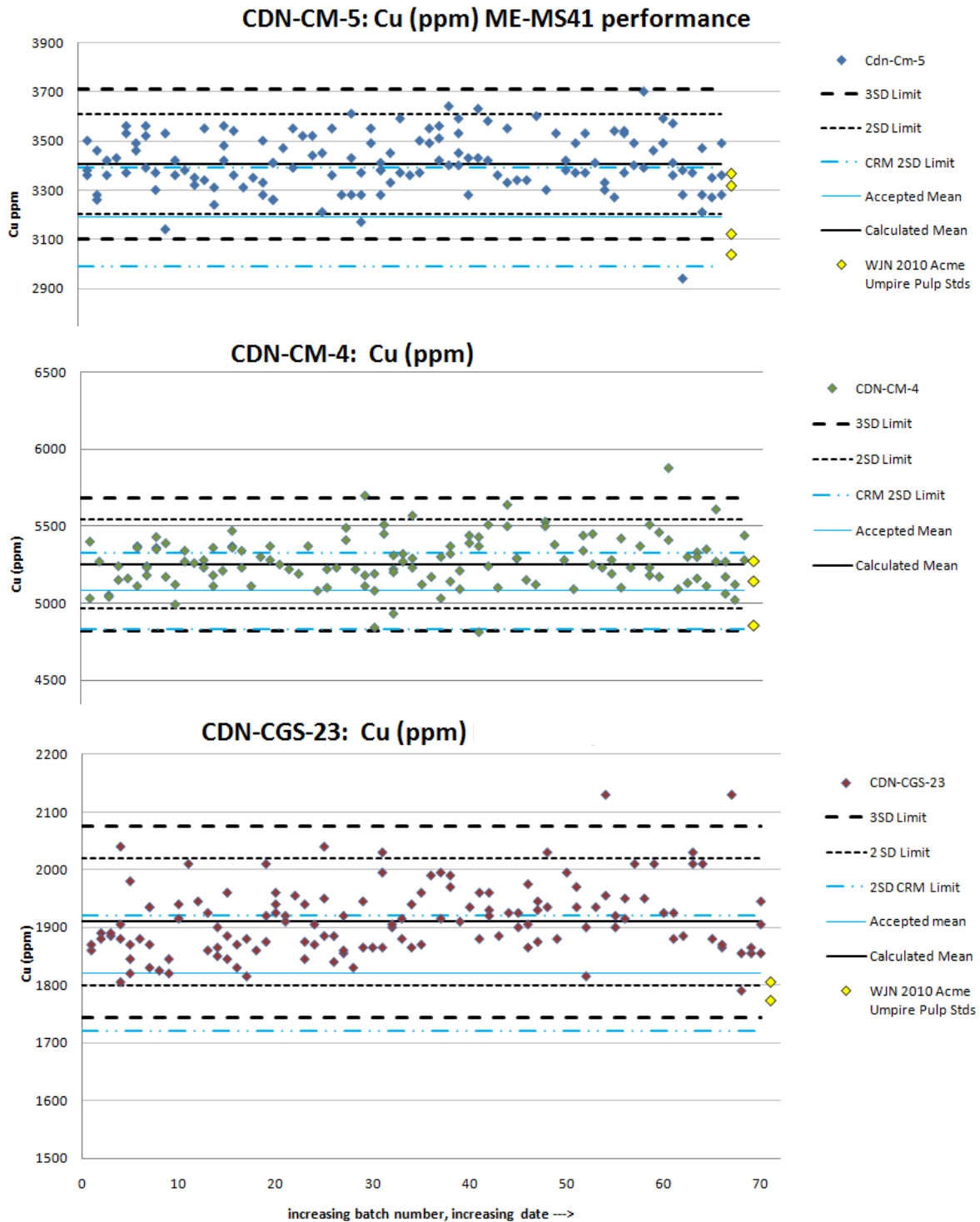


Figure 25: Acme pulp check Cu standard results compared to ALS standard performance for 2010. Yellow datapoints represent Cu standard performance for the standard pulps submitted with the VAN11000675 Woodjam North Umpire pulp checks

ALS Coarse reject checks and labchecks

ALS Coarse Reject checks- Cert VA11013053

ALS prepared and analyzed the coarse reject material from the same chosen sample subset as used for the umpire checks above. ALS did this using the original methods. Comparison of ALS original assays and ALS coarse reject checks are as follows:

Au

For Au there was good agreement overall with a slight positive bias to the repeat value (Figure 26). Outliers from the 20% mean percent difference envelope were noted, primarily at the lower grades. The number of outliers and the degree of difference between coarse reject checks is consistent with the observations of the same sample set at Acme, suggesting heterogeneity may exist in the reject samples. The average relative standard deviation for ALS Au coarse reject checks is 10.75%

Cu

For Cu, there was excellent agreement overall, however a positive bias of approximately 5% to higher values in the repeat assay was noted (Figure 27). One outlier from the 20 MPD envelope was noted, but these results are considered reliable. The relative standard deviation on average was 3.21%

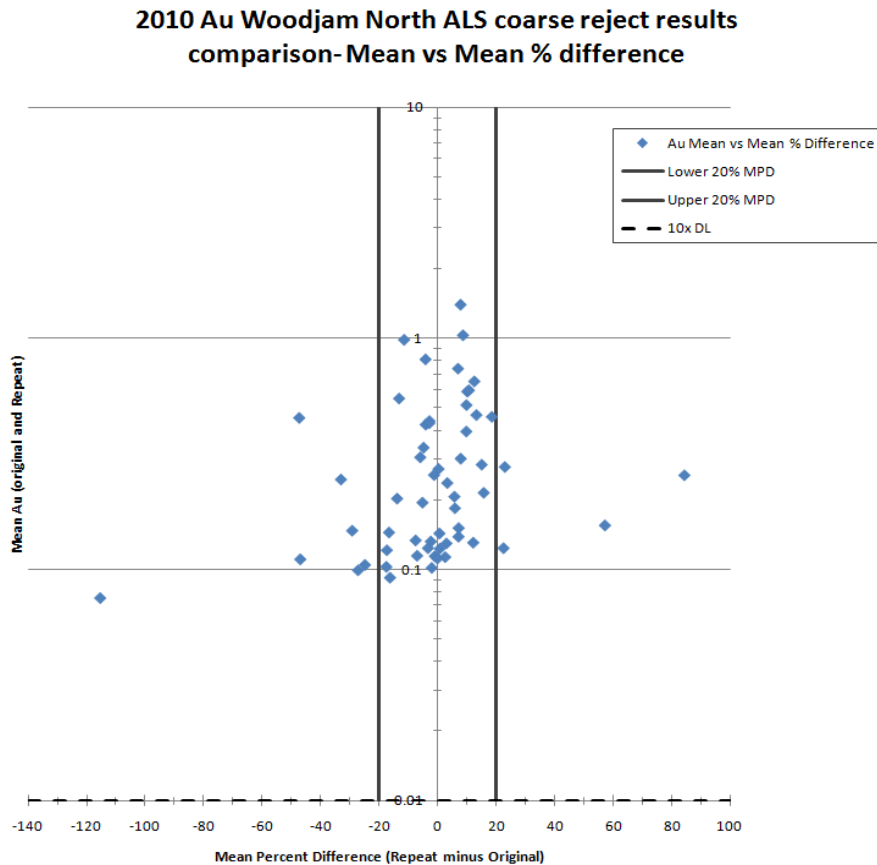


Figure 26: ALS coarse reject Au checks compared to ALS original results.

2010 Cu Woodjam North ALS coarse reject results comparison-Mean vs Mean % difference

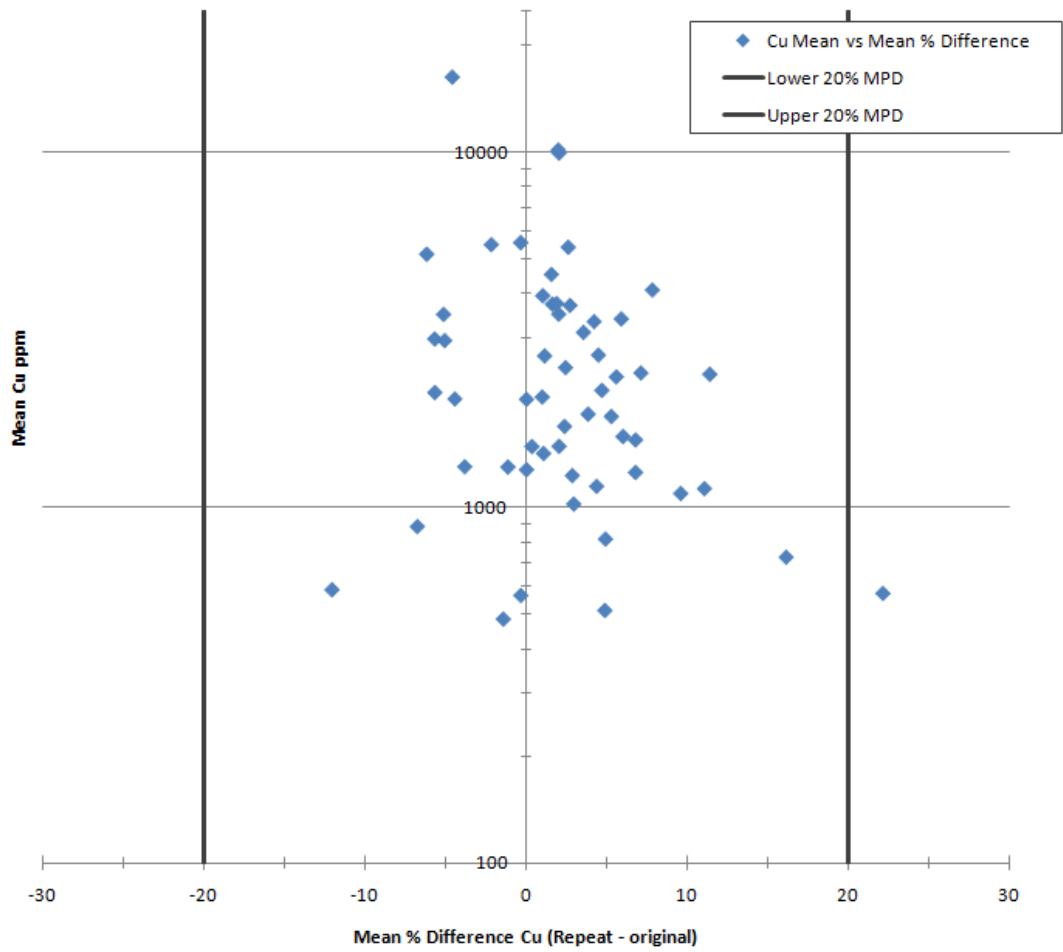


Figure 27: ALS coarse reject Cu checks compared to ALS original results.

Standard Performance ALS Coarse Reject checks- Cert VA11013053

Au

All Au standards were returned within the certified reference material limits and are considered reliable (Figure 28).

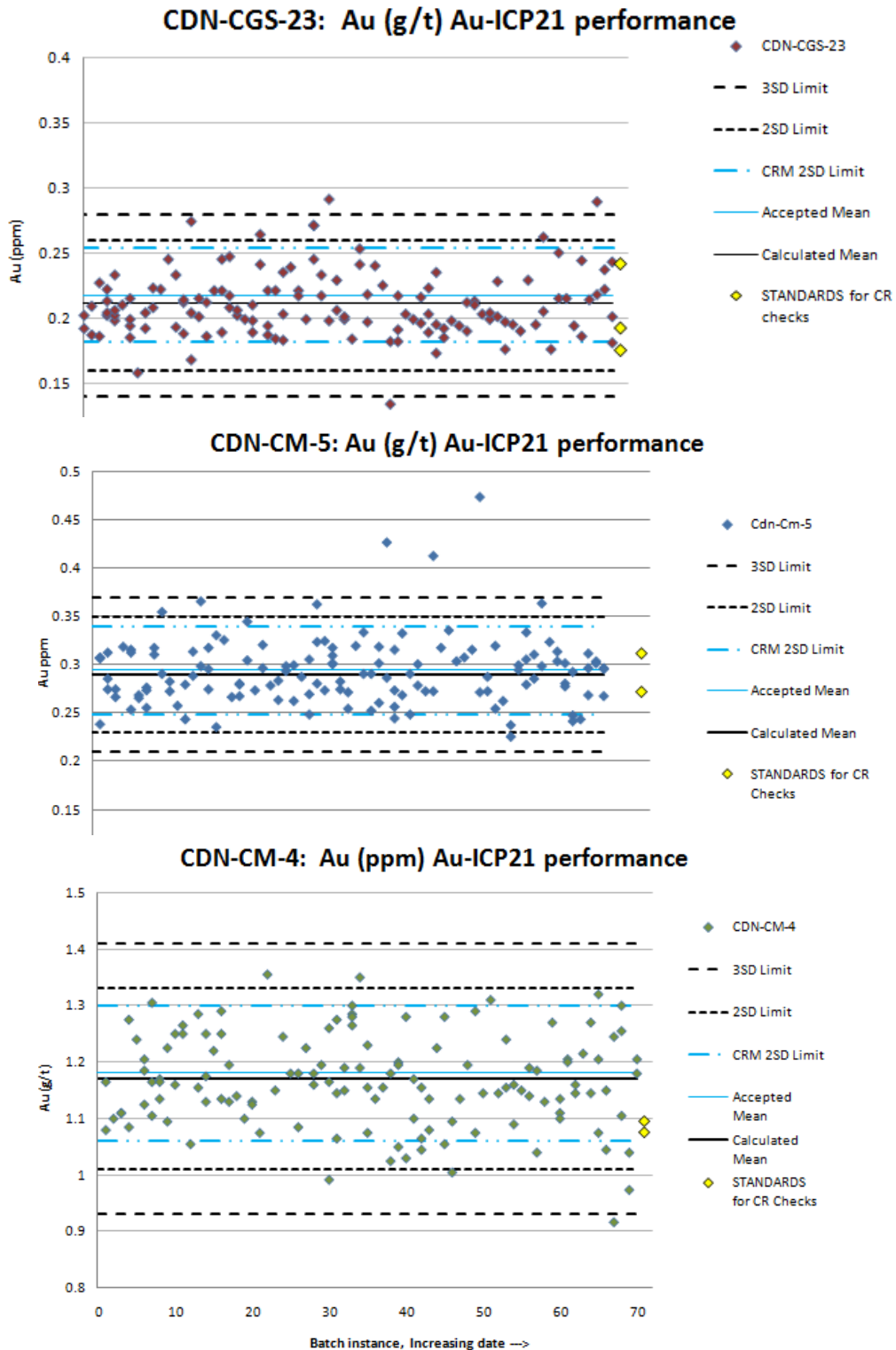


Figure 28: Au Standard performance for ALS coarse reject checks batch VA101003054

Cu

All Au standards were returned in tight agreement, close to the calculated mean for ALS and within two calculated standard deviations and are considered reliable (figure 29).

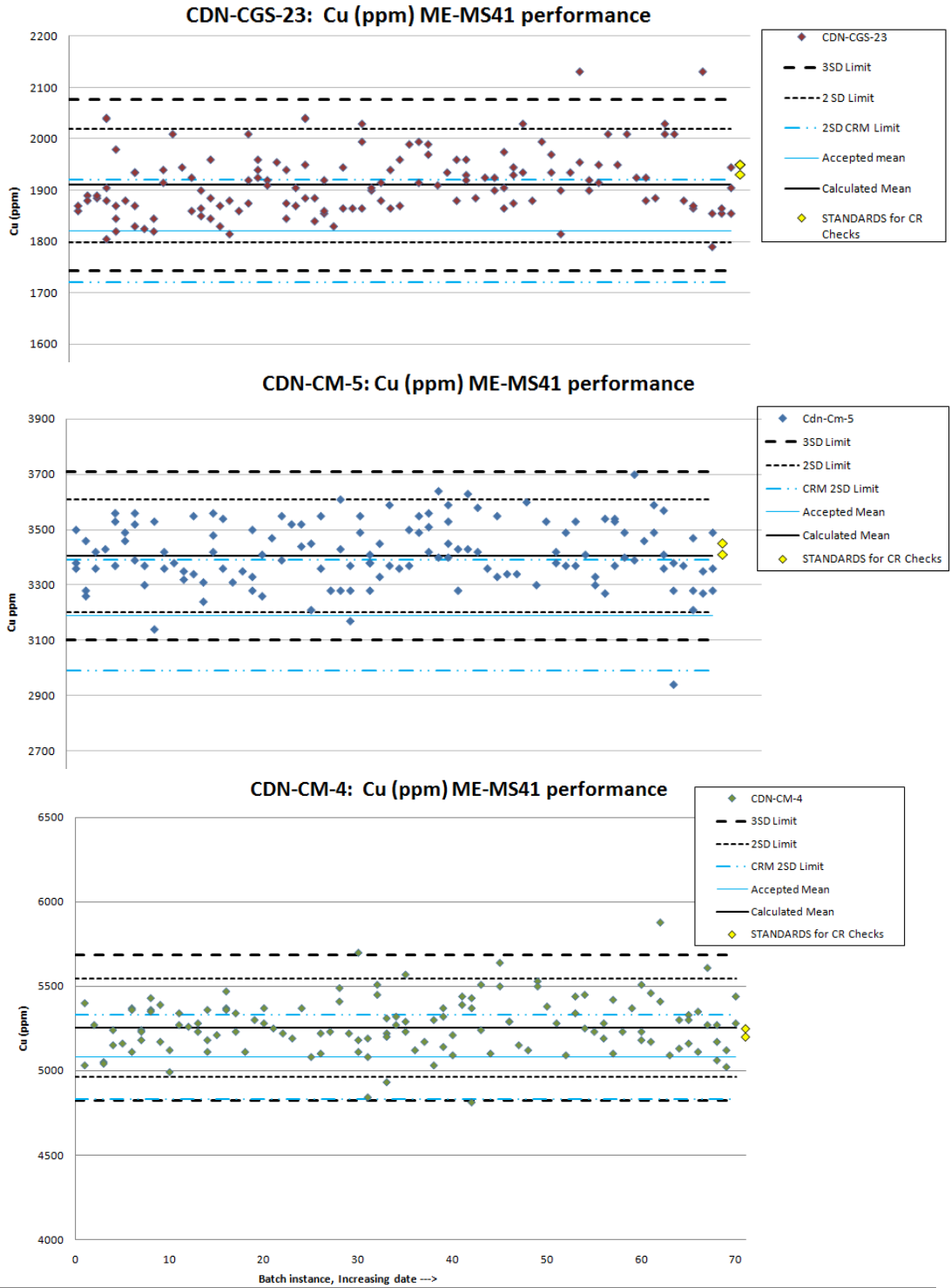


Figure 29: Cu Standard performance for ALS coarse reject checks batch VA101003054

ALS Lab Pulp Checks

Each certificate reported routine ALS pulp checks, where the same digested pulp is run through the instrument twice as an analytical check.

Au

Results for Au show variability, and 9% of the pulp checks above 10x the detection limit were outside of the MPD guidelines samples, corresponding to 8 poor comparisons of pulp checks and originals. The average relative standard deviation as an acceptable 7.63% (Figure 30).

Cu

Results for the Cu pulp checks show excellent reproducibility, particularly at ore grade levels with comparisons generally within 10% and relatively no bias. Three outliers were noted, but these are at subeconomic grade (<100 ppm level) and are not considered to affect the data quality or an interpretation of a resource. The average relative standard deviation was acceptable at 3.05% (Figure 31).

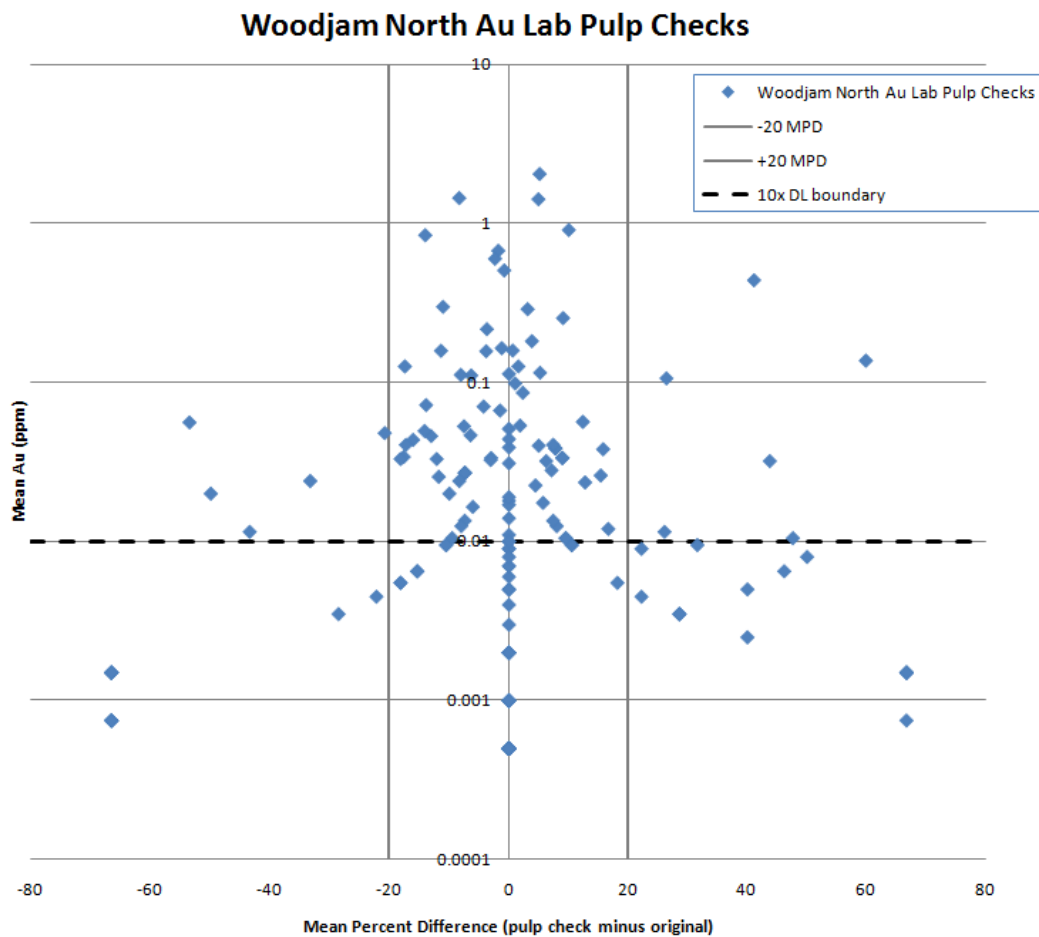


Figure 30: ALS Au labchecks, reported on the original certificate. Comparison by mean percent difference. Below 10x DL threshold do not count in analysis due to fan-effect at such low grades

Woodjam North Cu Lab Pulp Checks

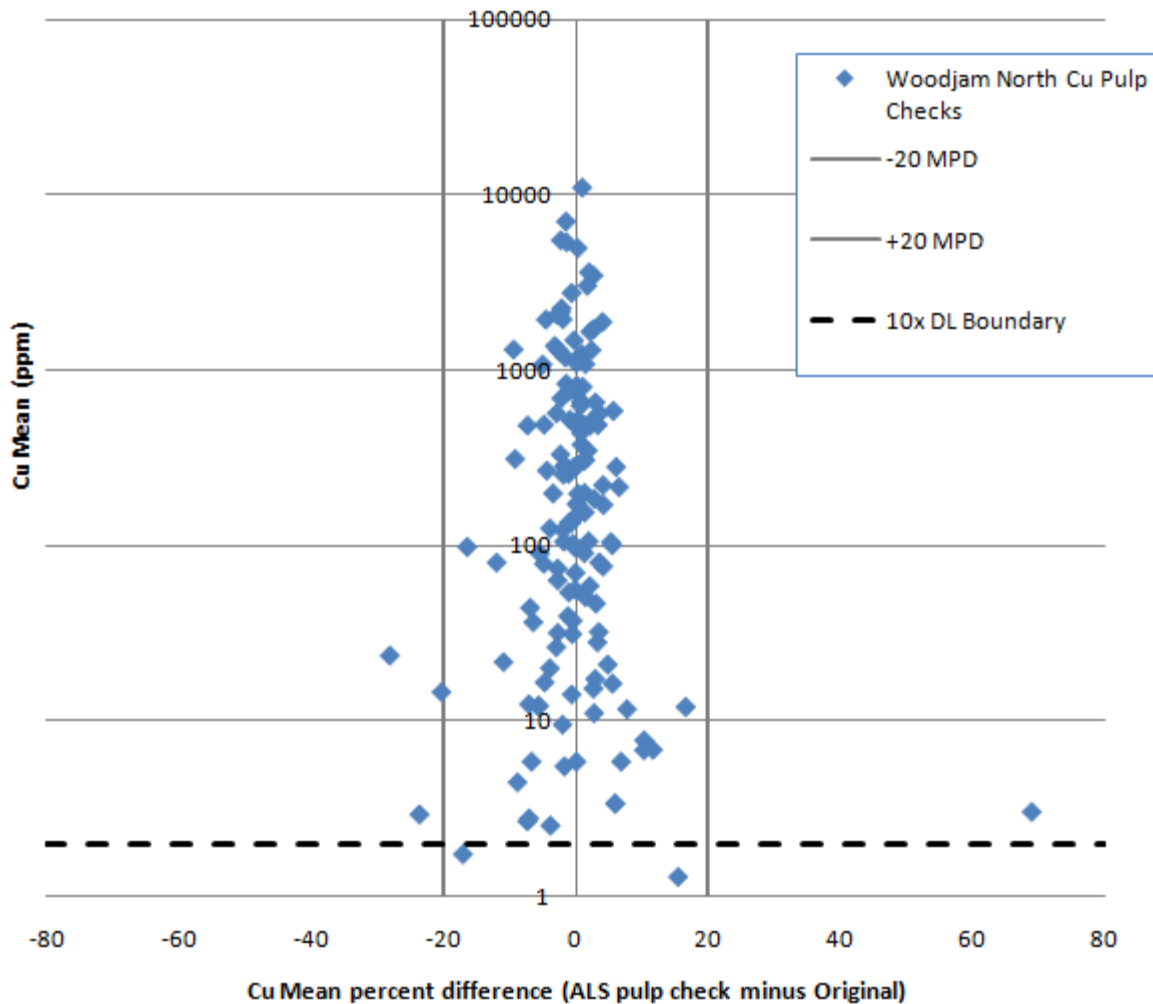


Figure 31: ALS Cu labchecks, reported on the original certificate. Comparison by mean percent difference. Below 10x DL threshold do not count in analysis due to low grades

Conclusions

Evaluation of ALS lab performance with standards, blanks, and umpire samples (coarse and pulp rejects) has demonstrated that the dataset for the 2010 Woodjam North field season is reasonable and representative and is considered reliable. Umpire lab checks performed at Acme labs showed variability, particularly for Au, however similar variability was seen in ALS pulp checks and coarse reject checks as well for Au. The poor standard performance at Acme for Au standards suggest systematic problems at Acme, however the results were largely comparable to ALS original and repeat results within 20 mean percent difference and relative standard deviation guidelines. Despite the bias to lower Cu at Acme, the datasets are in close relative agreement. The ALS dataset appears to be acceptable.



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Page: 1

Finalized Date: 23-APR-2010

Account: GOFICA

CERTIFICATE VA10041999

Project: Woodjam North

P.O. No.: WJN-2010-12

This report is for 10 Other samples submitted to our lab in Vancouver, BC, Canada on 7-APR-2010.

The following have access to data associated with this certificate:

BLAIRD
JULIANNE MADSEN

NATE BREWER
ROSS SHERLOCK

JOHN HERTEL
TWILA SKINNER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-03	Find Reject for Addn Analysis
PUL-31	Pulverize split to 85% <75 um
LOG-21	Sample logging - ClientBarCode
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-MS41	51 anal. aqua regia ICPMS	

To: **GOLD FIELDS HORSEFLY EXPLORATION INC.**

ATTN: JULIANNE MADSEN

1155 ROBSON STREET, SUITE 400

VANCOUVER BC V6E 1B5

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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Page: 2 - A

Total # Pages: 2 (A - D)

Plus Appendix Pages

Finalized Date: 23-APR-2010

Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA10041999

Sample Description	Method Analyte Units LOR	Au-ICP21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.01	1	1	0.05
204375		0.137	1.02	0.82	8.3	<0.2	<10	30	0.11	2.28	2.79	0.10	19.70	14.5	2	0.70
204376		0.117	0.70	0.87	8.6	<0.2	10	20	0.19	0.19	3.49	0.05	21.0	9.9	2	1.24
204377		0.100	0.85	0.84	7.9	<0.2	10	20	0.21	0.31	3.33	0.03	19.35	5.9	2	1.55
204378		0.095	0.95	0.73	8.1	<0.2	<10	20	0.13	0.96	2.63	0.03	18.70	13.8	1	1.45
204379		0.156	3.89	0.91	25.1	0.2	10	30	0.20	10.25	4.60	0.15	23.1	35.1	2	2.20
204380		0.068	1.41	0.38	11	<0.2	<10	10	0.10	7.73	20.4	0.05	10.80	16.2	1	0.95
204381		0.074	1.16	0.61	20.0	<0.2	<10	50	0.18	3.26	4.52	0.24	19.55	21.6	1	2.80
204382		0.134	0.98	0.79	27.7	<0.2	10	10	0.33	1.22	5.05	0.17	20.8	17.1	1	4.13
204383		0.228	1.07	0.81	40.4	0.3	10	30	0.28	4.74	3.71	0.37	19.25	30.2	1	4.10
204384		0.156	0.64	1.19	10.8	0.2	10	20	0.20	3.18	2.50	0.10	18.70	29.2	2	2.14



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CERTIFICATE OF ANALYSIS VA10041999

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	
		0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.01	0.05	0.01	0.05
204375		2020	4.03	4.25	0.08	0.19	<0.01	0.146	0.11	8.9	8.0	0.48	515	5.82	0.07	0.05	
204376		1975	4.24	4.32	0.07	0.11	<0.01	0.218	0.07	10.7	9.3	0.47	626	4.34	0.08	<0.05	
204377		2450	3.77	3.28	0.05	0.11	<0.01	0.226	0.09	9.7	6.9	0.31	555	4.02	0.09	<0.05	
204378		2480	3.01	2.71	0.05	0.13	<0.01	0.184	0.13	9.2	6.3	0.32	480	6.73	0.07	<0.05	
204379		1405	9.72	2.80	0.12	0.15	0.03	0.101	0.20	12.2	5.7	0.30	801	6.06	0.06	0.06	
204380		1180	3.61	1.10	0.05	0.07	0.01	0.050	0.09	5.4	2.8	0.78	341	2.84	0.03	0.09	
204381		2420	5.99	1.93	0.06	0.10	0.01	0.077	0.19	10.1	4.5	0.27	787	13.55	0.05	<0.05	
204382		1690	5.38	2.15	0.07	0.10	0.03	0.096	0.12	11.4	5.9	0.31	891	7.91	0.08	<0.05	
204383		1650	7.63	2.46	0.09	0.14	0.01	0.083	0.17	9.8	6.1	0.35	740	17.10	0.07	<0.05	
204384		1965	6.87	4.24	0.08	0.14	<0.01	0.078	0.20	9.0	9.2	0.69	522	31.4	0.06	<0.05	



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CERTIFICATE OF ANALYSIS VA10041999

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.2	0.01	0.01	0.005
204375		2.6	950	4.2	6.3	0.034	2.55	0.22	5.9	1.9	0.8	41.3	<0.01	2.62	2.4	<0.005
204376		2.6	880	4.7	4.2	0.032	0.54	0.56	7.8	1.5	1.0	57.3	<0.01	0.13	1.9	<0.005
204377		1.6	850	2.7	5.1	0.031	0.76	0.40	6.8	1.4	0.8	63.7	<0.01	0.40	2.2	<0.005
204378		2.3	960	1.9	8.4	0.073	1.79	0.42	6.1	1.8	0.7	42.7	<0.01	1.46	1.9	<0.005
204379		4.5	760	2.9	12.0	0.060	9.45	0.43	4.6	7.6	0.6	51.9	<0.01	12.50	2.1	<0.005
204380		2.2	390	1.1	5.7	0.021	3.95	0.25	2.5	2.7	0.2	2720	<0.01	7.04	0.7	<0.005
204381		3.9	750	4.3	12.0	0.143	5.38	0.61	3.3	3.9	0.5	42.9	<0.01	4.27	1.4	<0.005
204382		4.9	840	6.4	8.1	0.091	3.90	0.73	4.5	3.0	0.4	99.3	<0.01	2.48	1.7	<0.005
204383		4.2	770	9.1	11.5	0.085	7.22	0.89	3.4	5.4	0.5	57.1	<0.01	5.44	1.6	<0.005
204384		3.4	820	3.9	12.4	0.166	5.73	0.49	3.7	5.0	0.5	46.1	<0.01	2.93	2.0	<0.005



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CERTIFICATE OF ANALYSIS VA10041999

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	TI	U	V	W	Y	Zn	Zr
	Units LOR	ppm 0.02	ppm 0.05	ppm 1	ppm 0.05	ppm 0.05	ppm 2	ppm 0.5
204375		0.03	0.40	52	0.06	13.65	37	6.4
204376		<0.02	0.52	71	<0.05	15.80	57	4.2
204377		0.02	0.38	88	0.13	14.45	40	3.9
204378		0.06	0.36	57	0.08	12.55	26	4.3
204379		0.25	0.77	36	0.27	16.10	61	6.0
204380		0.07	1.22	17	0.06	7.07	24	2.6
204381		0.29	0.80	30	0.08	15.15	77	4.7
204382		0.29	0.79	38	0.09	20.4	61	5.4
204383		0.69	0.79	41	0.12	16.30	51	6.5
204384		0.20	0.55	70	0.16	12.35	59	5.3



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CERTIFICATE OF ANALYSIS VA10041999

Method	CERTIFICATE COMMENTS
ME-MS41 ME-MS41	Interference: Ca>10% on ICP-MS As,ICP-AES results shown. Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).



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 Finalized Date: 21- FEB- 2011
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CERTIFICATE VA11013053

Project: Woodjam North

P.O. No.:

This report is for 61 Crushed Rock samples submitted to our lab in Vancouver, BC, Canada on 10- FEB- 2011.

The following have access to data associated with this certificate:

JULIANNE MADSEN

ROSS SHERLOCK

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
LOG- 24	Pulp Login - Rcd w/o Barcode
PUL- QC	Pulverizing QC Test
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Cu- OG46	Ore Grade Cu - Aqua Regia	VARIABLE
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **GOLD FIELDS HORSEFLY EXPLORATION INC.**
ATTN: JULIANNE MADSEN
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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 VA11013053

Sample Description	Method Analyte UNITS LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
206879		0.14	1.180	1.97	2.23	10.6	0.9	<10	80	0.11	0.47	1.35	1.53	6.72	28.6	56
203029		3.90	0.111	0.45	2.38	3.2	<0.2	<10	50	0.09	0.02	1.71	0.15	6.20	8.5	4
203068		3.66	0.513	1.28	1.95	5.4	0.7	<10	140	0.10	0.22	1.64	0.14	7.61	6.8	3
203097		3.42	0.213	0.36	1.95	4.3	0.2	<10	40	0.15	0.05	2.07	0.07	9.15	2.9	3
203245		3.72	0.424	0.83	2.48	3.0	0.4	<10	80	0.17	0.18	3.22	0.11	7.42	4.0	3
203278		3.70	0.111	0.41	3.87	2.1	<0.2	<10	60	0.20	0.02	2.62	0.17	8.49	9.5	3
203426		3.26	0.085	0.78	6.08	5.9	0.2	<10	130	0.23	0.05	3.40	0.14	8.49	29.1	3
203527		3.24	0.092	0.43	2.45	3.3	<0.2	<10	220	0.13	0.05	2.32	0.11	9.14	17.5	2
203734		3.08	0.189	0.61	1.98	5.1	0.2	<10	130	0.19	0.08	1.98	0.11	16.40	16.5	12
203867		3.44	0.157	0.87	3.83	2.2	<0.2	<10	130	0.27	0.04	3.37	0.09	9.08	10.6	3
204111		3.70	0.085	4.05	0.49	60.3	<0.2	<10	40	0.37	1.86	6.52	0.48	13.80	308	<1
206880		0.14	0.248	1.93	1.45	51.3	0.2	<10	90	0.44	0.36	4.18	1.40	19.40	20.5	23
204165		3.52	0.124	0.55	2.06	8.7	<0.2	<10	70	0.08	0.18	0.77	0.39	9.34	20.6	2
204212		3.52	0.415	1.35	1.63	2.7	0.5	10	140	0.11	0.11	1.38	0.73	9.53	23.6	9
204273		3.54	0.115	1.03	1.46	20.7	0.2	10	160	0.19	0.35	2.08	1.07	17.20	24.2	10
204326		4.04	0.138	0.88	2.48	30.6	<0.2	<10	50	0.12	1.10	2.39	0.08	10.55	77.8	6
204348		3.34	0.618	1.06	0.80	36.3	0.7	<10	40	0.19	0.11	2.96	0.67	13.80	12.7	3
204349		4.64	0.433	0.91	1.19	17.3	0.4	<10	180	0.12	0.28	2.42	0.27	15.25	20.2	3
204375		3.38	0.145	1.08	0.84	8.3	<0.2	10	30	0.07	2.66	2.86	0.10	17.95	16.1	<1
204547		3.20	0.131	0.63	1.49	48.9	<0.2	10	70	0.07	0.16	1.18	0.13	19.35	11.8	1
204571		3.90	0.306	0.65	1.32	26.2	0.2	10	220	0.14	0.17	1.84	0.46	18.45	9.3	1
204618		3.80	0.540	0.61	1.08	10.3	0.5	<10	190	0.15	0.41	3.51	0.31	25.6	20.2	1
206881		0.14	1.260	1.91	2.26	10.5	0.8	<10	140	0.10	0.45	1.38	1.50	6.69	29.5	58
204703		4.54	0.692	1.22	0.51	5.9	0.8	10	190	0.09	0.27	0.64	0.35	9.89	11.2	2
204726		4.02	0.794	1.45	0.34	32.9	1.2	<10	510	0.06	0.41	0.70	0.40	10.35	11.4	3
204789		5.70	0.314	0.93	1.07	34.0	0.3	10	60	0.05	0.13	1.69	5.90	12.00	13.8	<1
204815		3.54	0.190	0.46	0.87	7.4	0.2	10	150	0.05	0.09	0.55	0.24	10.15	7.9	5
204841		3.80	0.133	0.44	0.77	23.5	<0.2	10	120	0.07	0.10	0.96	0.25	16.50	9.1	4
205007		5.54	0.129	0.40	1.17	44.7	<0.2	10	220	0.11	0.10	1.31	0.09	14.70	7.8	4
205248		5.00	0.144	1.14	0.80	13.8	<0.2	<10	90	0.10	0.15	1.59	0.11	12.85	4.6	4
205677		3.72	0.329	0.15	0.61	21.0	<0.2	<10	70	<0.05	0.03	0.68	0.04	10.10	5.1	5
205739		4.38	0.346	1.94	0.66	6.9	0.5	<10	120	0.08	0.36	0.40	0.09	11.10	4.6	6
205951		4.74	0.112	0.65	1.31	188.0	<0.2	10	2980	0.17	0.07	1.26	2.46	13.95	11.9	5
206882		0.14	0.186	2.06	1.48	29.3	0.2	<10	140	0.44	2.27	1.78	0.88	34.4	18.1	62
206054		5.88	0.364	0.62	1.16	109.0	0.4	20	60	0.25	0.71	2.48	2.34	13.80	29.2	8
206083		4.72	0.415	2.36	0.81	625	0.4	10	450	0.27	0.43	2.04	1.70	18.35	9.5	4
206109		3.92	0.205	0.87	0.96	633	0.2	10	60	0.20	0.23	1.78	0.32	15.95	10.5	3
206131		4.16	0.273	0.83	0.68	204	0.2	10	70	0.21	0.87	1.47	0.17	16.25	9.5	2
206167		3.72	0.086	1.38	1.57	28.0	<0.2	10	260	0.23	0.52	1.73	1.25	16.85	15.1	3
206234		4.14	0.297	0.80	1.33	26.4	0.3	10	70	0.17	0.09	2.61	2.91	24.4	14.7	4



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CERTIFICATE OF ANALYSIS VA11013053

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
206879		0.93	5230	4.69	6.44	0.14	0.14	0.14	0.162	0.25	2.9	10.6	1.30	402	232	0.15
203029		0.57	1605	4.17	5.70	0.14	0.08	0.02	0.018	0.08	2.7	6.9	0.54	275	5.97	0.30
203068		0.65	3540	3.26	4.94	0.09	0.07	0.02	0.033	0.11	3.1	7.8	0.57	305	1.80	0.18
203097		0.54	1295	1.09	3.89	0.05	0.05	<0.01	0.012	0.04	3.5	8.8	0.70	176	0.87	0.13
203245		1.50	2900	1.72	4.71	0.07	0.08	0.01	0.046	0.11	3.2	11.8	0.72	357	2.04	0.23
203278		0.32	1280	3.91	8.68	0.11	0.08	0.01	0.037	0.12	3.7	6.3	0.37	209	3.70	0.60
203426		1.68	2480	4.06	12.50	0.15	0.12	<0.01	0.046	0.40	3.6	20.5	1.55	242	6.64	0.52
203527		1.30	1855	4.10	7.40	0.12	0.08	0.01	0.043	0.50	3.8	14.9	1.52	1400	2.91	0.07
203734		2.40	2050	6.16	9.06	0.16	0.21	0.02	0.032	0.30	7.2	15.3	1.36	870	1.33	0.06
203867		0.85	3790	2.08	5.36	0.07	0.04	<0.01	0.052	0.16	4.1	6.0	0.58	285	26.0	0.29
204111		3.29	785	5.99	1.18	0.12	0.08	0.03	0.054	0.24	6.0	2.8	0.51	4470	1.11	0.02
206880		1.20	3480	4.61	5.89	0.13	0.10	0.20	0.069	0.21	9.7	15.8	1.30	652	429	0.09
204165		1.02	1300	5.62	7.48	0.20	0.44	<0.01	0.059	0.14	3.8	23.9	1.54	560	12.70	0.14
204212		1.29	3410	6.68	7.37	0.19	0.17	<0.01	0.094	0.42	3.8	13.0	1.16	648	6.83	0.17
204273		1.81	1150	7.04	5.99	0.21	0.17	0.01	0.097	0.19	7.2	12.5	0.74	1420	85.8	0.23
204326		1.44	3170	5.85	9.51	0.14	0.16	0.02	0.110	0.13	4.5	29.9	1.88	984	3.83	0.14
204348		2.41	2060	4.58	3.24	0.11	0.15	0.04	0.219	0.09	5.1	4.0	0.49	1130	5.55	0.15
204349		1.72	2190	4.70	6.01	0.13	0.14	<0.01	0.205	0.10	6.4	12.9	1.08	867	4.23	0.05
204375		0.79	2080	4.08	4.06	0.11	0.17	0.01	0.157	0.10	8.1	9.7	0.50	551	5.90	0.07
204547		1.64	1490	3.34	6.90	0.11	0.24	<0.01	0.335	0.10	8.9	18.2	1.08	691	3.92	0.05
204571		1.58	1870	2.76	5.00	0.09	0.19	<0.01	0.216	0.28	8.2	10.5	0.98	445	6.65	0.08
204618		1.35	1195	5.21	4.99	0.13	0.21	<0.01	0.217	0.12	11.5	15.2	0.70	840	12.80	0.09
206881		0.92	5280	4.76	6.59	0.13	0.14	0.10	0.168	0.25	2.9	12.7	1.34	410	235	0.15
204703		0.65	3970	5.58	3.27	0.14	0.11	<0.01	0.127	0.09	3.7	3.7	0.57	951	6.30	0.06
204726		0.99	4570	6.99	2.94	0.13	0.09	0.01	0.094	0.10	4.4	3.8	0.52	576	6.34	0.06
204789		0.50	2750	4.57	4.43	0.12	0.13	<0.01	0.183	0.06	4.6	6.9	0.93	999	7.05	0.10
204815		0.63	2400	3.34	4.58	0.11	0.18	<0.01	0.051	0.41	3.9	7.2	0.77	278	6.13	0.08
204841		1.01	2690	2.89	4.04	0.10	0.19	0.01	0.147	0.19	7.2	6.7	0.72	269	9.33	0.08
205007		2.05	2020	2.16	4.81	0.09	0.14	<0.01	0.045	0.30	6.1	13.1	0.82	279	2.06	0.10
205248		2.16	483	2.15	3.98	0.07	0.16	0.01	0.007	0.10	6.2	11.7	0.43	409	3.85	0.06
205677		2.43	2510	1.76	3.23	0.09	0.24	<0.01	0.056	0.20	4.7	6.2	0.37	99	6.51	0.11
205739		0.51	5010	1.66	3.13	0.10	0.17	0.02	0.012	0.19	5.2	8.4	0.45	160	0.85	0.09
205951		1.22	856	3.19	4.57	0.12	0.13	0.01	0.022	0.36	5.9	7.9	0.86	1660	7.69	0.07
206882		1.90	1890	4.11	5.39	0.12	0.14	0.10	0.063	0.51	18.4	7.5	0.82	360	154.5	0.07
206054		1.76	566	4.71	3.00	0.12	0.22	0.05	0.051	0.26	6.5	9.1	1.12	459	10.40	0.09
206083		3.21	5560	4.15	2.86	0.06	0.12	0.05	0.130	0.12	9.0	4.9	0.86	1210	3.17	0.06
206109		1.89	3760	4.43	3.06	0.05	0.12	0.01	0.149	0.21	7.2	5.4	1.02	784	4.41	0.08
206131		1.50	2510	5.50	2.87	0.07	0.11	0.01	0.287	0.08	6.3	4.5	0.96	874	3.33	0.09
206167		2.18	1430	4.63	6.56	0.06	0.26	0.02	0.200	0.28	8.0	12.6	0.92	547	8.83	0.08
206234		1.26	1715	5.35	5.65	0.08	0.16	0.02	0.152	0.09	10.6	7.8	0.95	1100	5.17	0.10



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To: **GOLD FIELDS HORSEFLY EXPLORATION INC.**
1155 ROBSON STREET, SUITE 400
VANCOUVER BC V6E 1B5

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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Nb ppm	Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm
206879		0.28	43.5	640	23.2	10.1	0.352	2.15	7.96	6.9	4.4	2.3	45.2	0.01	0.28	0.8
203029		0.09	2.7	920	5.1	4.6	0.038	0.28	0.19	4.1	1.2	0.3	446	<0.01	0.03	0.6
203068		0.11	2.1	1150	3.6	5.9	0.007	0.33	0.21	2.2	2.8	0.4	357	<0.01	0.07	0.6
203097		0.05	3.6	1740	2.2	2.4	0.003	0.13	0.28	2.3	1.3	0.4	140.5	<0.01	0.05	0.8
203245		0.06	3.4	1060	5.5	5.6	0.010	0.37	0.64	5.8	2.8	0.4	138.0	<0.01	0.09	0.5
203278		0.12	2.1	1160	4.1	5.7	0.027	0.24	0.05	2.8	1.0	0.4	249	<0.01	0.02	0.5
203426		0.07	4.1	1030	4.2	20.6	0.004	2.82	0.30	17.0	6.2	0.5	2530	<0.01	0.05	0.5
203527		0.09	3.3	980	3.7	20.5	0.018	0.58	0.88	11.1	1.7	0.6	99.5	<0.01	0.03	0.7
203734		0.09	5.8	1520	2.6	15.0	0.004	1.21	5.05	10.9	2.6	0.4	49.8	<0.01	0.18	1.4
203867		0.05	3.8	1110	2.4	7.0	0.109	0.69	0.09	4.3	3.5	0.3	961	<0.01	0.04	0.6
204111		0.08	20.6	1030	16.7	12.1	0.003	4.19	24.0	6.8	6.2	0.2	70.7	0.01	2.01	0.3
206880		0.07	23.4	1150	9.4	10.3	0.066	1.95	6.28	8.7	7.8	0.9	150.0	<0.01	0.26	1.2
204165		0.16	3.7	900	10.0	9.6	0.118	2.43	0.16	6.9	3.7	1.4	82.7	<0.01	0.22	1.5
204212		0.15	11.7	860	10.2	25.6	0.073	0.99	0.08	7.6	2.7	0.8	100.5	<0.01	0.07	1.6
204273		0.15	10.7	910	15.3	15.0	0.109	0.41	6.72	9.9	1.0	0.9	170.0	0.01	0.10	1.8
204326		0.07	13.9	930	3.7	12.8	0.012	2.32	0.42	12.4	2.9	0.8	117.0	<0.01	0.80	1.6
204348		0.05	6.0	720	29.5	6.3	0.037	0.31	1.63	8.1	1.8	0.9	110.0	<0.01	0.06	1.8
204349		0.05	4.4	850	7.2	5.1	0.039	1.62	0.57	5.9	2.5	0.5	31.4	<0.01	0.68	1.5
204375		0.05	2.9	930	2.8	6.4	0.035	2.65	0.24	6.1	2.6	0.9	43.5	<0.01	3.12	1.6
204547		<0.05	2.1	890	5.3	6.1	0.031	0.55	0.72	4.4	2.0	0.7	44.6	<0.01	0.19	1.7
204571		0.09	2.3	820	10.8	16.4	0.078	0.34	0.24	5.7	2.3	0.7	82.4	<0.01	0.09	1.9
204618		0.07	3.0	930	5.3	5.6	0.046	1.48	0.21	7.3	1.6	0.7	84.8	<0.01	0.48	1.3
206881		0.26	43.7	660	23.1	9.9	0.362	2.20	7.67	6.9	4.3	2.6	44.0	0.01	0.24	0.7
204703		0.06	3.1	780	7.7	4.2	0.090	0.31	0.46	6.4	2.7	0.7	32.2	<0.01	0.08	1.4
204726		0.06	2.2	390	9.6	3.5	0.034	0.38	0.63	3.1	2.9	0.6	41.3	<0.01	0.06	1.5
204789		0.05	2.7	760	14.1	2.0	0.037	0.87	0.81	6.2	2.5	0.8	56.9	<0.01	0.20	1.4
204815		0.23	2.4	580	7.1	18.9	0.063	0.24	0.08	5.5	2.9	0.5	38.1	<0.01	0.03	2.9
204841		0.11	2.1	620	6.9	9.4	0.204	0.55	0.47	4.0	3.8	0.4	39.7	<0.01	0.03	3.1
205007		0.10	3.2	700	3.0	15.7	0.016	0.30	0.52	4.6	2.1	0.4	45.7	<0.01	0.06	2.2
205248		0.14	1.9	590	9.7	8.7	0.008	0.03	0.64	2.4	0.9	0.4	67.6	0.01	0.14	2.0
205677		0.31	2.0	540	2.1	23.7	0.005	0.25	0.26	2.7	2.8	0.6	68.6	<0.01	0.19	6.0
205739		0.19	3.2	600	1.9	11.4	<0.001	0.08	5.86	3.8	2.7	0.3	33.8	<0.01	0.25	2.3
205951		0.11	5.2	830	9.9	19.4	0.006	0.08	0.61	10.6	1.2	0.5	153.0	<0.01	0.02	1.8
206882		0.19	20.0	690	20.0	34.9	0.039	1.81	6.52	7.2	3.1	1.6	74.6	<0.01	0.26	10.8
206054		0.08	8.7	920	46.5	11.7	0.018	4.55	2.68	5.6	5.9	0.4	65.4	<0.01	0.31	1.8
206083		<0.05	4.1	840	37.0	7.7	0.032	0.46	3.50	8.1	3.4	0.5	65.3	<0.01	0.16	2.0
206109		<0.05	4.0	950	7.0	10.6	0.046	0.34	0.67	6.5	2.1	0.5	54.3	<0.01	0.06	1.5
206131		<0.05	3.1	850	5.4	3.3	0.039	0.18	0.47	8.8	2.3	1.0	55.3	<0.01	0.19	1.8
206167		<0.05	3.5	990	24.2	15.9	0.043	0.90	1.55	5.7	1.4	1.0	54.7	<0.01	0.69	1.6
206234		<0.05	3.4	1540	19.2	3.4	0.023	1.32	1.01	6.5	1.9	1.1	70.9	<0.01	0.67	2.5



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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
 1155 ROBSON STREET, SUITE 400
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Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Cu- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Cu %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.001
206879		0.169	0.42	0.33	83	15.45	7.72	198	4.2	
203029		0.099	0.02	0.20	177	0.12	4.48	28	2.3	
203068		0.102	0.06	0.26	106	0.14	6.09	27	1.9	
203097		0.077	<0.02	0.17	62	0.15	6.91	15	1.1	
203245		0.048	0.04	0.18	76	0.11	6.29	24	2.3	
203278		0.123	0.04	0.23	153	0.09	6.41	33	2.2	
203426		0.165	0.19	0.21	219	0.10	10.25	40	4.4	
203527		0.134	0.14	0.31	134	0.09	10.45	36	2.5	
203734		0.084	0.11	0.70	163	0.10	11.45	32	9.0	
203867		0.036	0.04	0.22	100	0.11	7.86	13	1.4	
204111		<0.005	0.09	0.51	31	0.12	17.45	79	2.7	
206880		0.009	0.10	0.47	89	3.67	14.15	60	3.1	
204165		0.139	0.09	0.62	132	0.31	8.07	94	14.5	
204212		0.182	0.15	0.31	219	0.09	7.75	135	5.3	
204273		0.095	0.19	1.20	160	0.19	16.60	210	4.1	
204326		0.030	0.09	0.31	154	0.11	8.50	68	4.4	
204348		0.007	0.04	0.35	85	0.55	11.20	130	3.8	
204349		0.009	0.03	0.93	69	0.08	13.20	98	4.7	
204375		<0.005	0.04	0.34	53	0.06	12.20	40	5.3	
204547		0.011	0.05	0.67	74	<0.05	9.07	94	9.1	
204571		0.049	0.10	4.36	71	0.05	10.60	120	6.5	
204618		0.014	0.04	0.60	82	0.05	14.30	78	5.5	
206881		0.169	0.41	0.33	85	14.65	7.63	200	4.1	
204703		0.013	0.03	0.45	67	<0.05	10.50	87	3.2	
204726		0.005	0.04	0.28	59	0.05	7.20	92	3.1	
204789		0.019	0.02	0.41	92	0.05	11.60	885	3.3	
204815		0.084	0.13	0.70	75	0.06	8.73	52	4.3	
204841		0.031	0.06	1.31	60	<0.05	9.25	46	5.9	
205007		0.055	0.10	0.62	63	0.05	8.43	27	4.1	
205248		0.045	0.04	1.29	66	0.22	6.89	39	3.0	
205677		0.096	0.10	2.28	53	0.19	5.47	10	4.1	
205739		0.093	0.04	1.07	64	0.05	5.95	15	2.5	
205951		0.063	0.12	0.24	80	0.07	11.80	131	4.2	
206882		0.038	0.31	4.03	57	2.85	11.40	65	4.0	
206054		<0.005	0.22	0.55	58	0.07	11.45	294	10.2	
206083		0.006	0.06	0.61	84	0.13	15.50	286	3.9	
206109		0.024	0.08	0.35	87	0.06	13.95	96	5.1	
206131		0.005	0.03	0.44	114	<0.05	13.65	132	4.1	
206167		0.031	0.13	0.65	98	0.11	11.25	207	8.0	
206234		0.011	0.03	1.01	101	<0.05	15.65	537	4.6	



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Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm
206318		4.34	0.255	0.70	1.31	7.4	0.3	10	570	0.14	0.15	1.66	0.30	15.35	8.7	4
206377		1.80	0.144	0.61	0.72	4.4	<0.2	<10	70	0.11	0.05	0.94	1.32	10.60	8.4	4
206402		2.66	1.075	1.02	1.15	41.2	1.0	10	60	0.13	0.16	1.88	2.51	8.16	15.2	4
206457		3.42	0.094	5.08	0.84	101.5	<0.2	20	40	0.26	0.13	2.88	7.05	16.70	12.4	2
206883		0.14	0.272	1.87	1.42	45.4	0.2	<10	70	0.41	0.31	4.32	1.14	17.60	17.2	25
937048		3.54	1.450	13.50	1.71	161.5	0.6	<10	110	1.14	16.35	5.92	2.65	92.2	42.1	3
937313		4.14	0.032	2.72	2.38	10.4	<0.2	<10	60	0.23	3.74	5.41	0.22	16.25	43.8	10
937431		2.90	0.232	0.91	4.50	3.6	0.3	<10	300	0.33	0.10	2.26	0.33	15.00	18.2	6
937857		2.14	0.765	42.6	0.40	168.5	0.6	30	10	0.11	5.01	2.91	5.76	5.01	157.0	2
938146		3.04	0.497	1.17	0.53	96.8	<0.2	10	120	0.28	0.29	2.19	3.13	11.60	27.6	2
938213		3.30	0.126	0.34	0.82	31.7	<0.2	10	160	0.14	0.05	0.84	0.41	18.25	11.8	6
938349		6.38	0.101	3.33	0.71	24.8	<0.2	<10	30	0.25	0.87	3.35	0.70	13.20	19.9	3
938498		2.30	0.628	1.94	2.13	101.5	0.6	<10	100	0.29	0.43	0.88	0.15	12.70	14.3	6
938958		1.60	0.310	15.40	2.12	951	0.2	10	20	0.30	7.05	0.98	26.8	13.55	66.8	7
939016		3.84	0.190	0.41	1.32	37.8	0.2	<10	80	0.19	0.19	1.35	0.16	13.10	16.2	7
206884		0.14	1.175	2.06	2.27	10.3	1.0	<10	90	0.14	0.41	1.42	1.40	6.17	26.3	59
939038		4.30	0.928	1.33	0.71	121.5	0.8	<10	80	0.16	0.11	1.65	0.30	11.25	13.3	7
939056		1.50	0.132	4.51	2.25	114.5	0.2	<10	90	0.16	5.11	1.78	0.67	13.50	118.5	7
939257		6.02	0.139	5.31	1.32	179.0	<0.2	20	60	0.34	0.36	6.43	10.40	15.30	36.8	6
939342		7.46	0.241	0.38	1.91	6.5	0.2	<10	100	0.15	0.03	1.62	0.11	8.28	17.9	7
206885		0.14	0.221	1.97	1.45	29.1	0.2	<10	130	0.50	2.30	1.81	0.97	36.4	17.7	61



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		Cs ppm	Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %
		0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
206318		1.83	1635	4.52	6.07	0.08	0.18	0.01	0.258	0.11	6.9	9.7	0.93	758	3.97	0.08
206377		0.22	1505	4.36	3.75	0.11	0.19	0.01	0.047	0.09	4.4	6.1	0.70	462	3.83	0.16
206402		0.98	4260	5.61	6.16	0.11	0.11	0.01	0.220	0.07	3.4	6.6	0.82	591	8.15	0.09
206457		1.86	837	3.18	2.00	<0.05	0.14	0.04	0.033	0.24	7.9	6.7	0.79	652	55.2	0.05
206883		1.04	3380	4.71	5.24	0.06	0.08	0.18	0.065	0.21	9.6	10.2	1.29	632	426	0.08
937048		5.35	638	6.52	5.39	0.09	0.18	0.18	0.296	0.24	47.6	5.8	0.52	21300	25.7	0.04
937313		6.36	5480	5.69	7.95	0.09	0.09	0.01	0.421	0.38	7.2	10.3	0.67	896	0.33	0.01
937431		1.26	2880	3.92	11.05	0.10	0.10	0.01	0.070	0.67	7.6	15.8	1.82	507	6.83	0.29
937857		1.56	553	5.42	0.89	<0.05	0.14	0.82	0.020	0.28	2.2	0.5	0.05	1500	89.2	<0.01
938146		5.46	3500	5.68	1.75	<0.05	0.11	0.03	0.037	0.24	5.4	4.6	0.86	1900	3.50	0.03
938213		0.61	3770	2.60	3.87	0.06	0.23	0.01	0.046	0.18	9.1	4.7	0.58	487	9.25	0.07
938349		4.60	527	5.13	2.11	0.05	0.13	0.03	0.126	0.27	5.9	4.2	0.37	1120	63.1	0.03
938498		1.24	1980	4.45	7.20	0.07	0.21	0.02	0.121	0.13	5.8	20.9	1.25	781	11.40	0.09
938958		2.03	>10000	6.88	6.99	0.07	0.20	1.88	0.138	0.16	5.8	14.0	1.15	1960	3.77	0.06
939016		1.43	1040	5.04	5.17	0.11	0.23	0.01	0.078	0.08	5.7	7.2	0.74	725	14.75	0.16
206884		0.87	5340	4.90	6.39	0.08	0.14	0.09	0.162	0.25	3.0	8.8	1.33	402	249	0.14
939038		0.64	3410	6.26	4.14	0.11	0.22	<0.01	0.106	0.07	4.9	3.9	0.50	745	10.95	0.12
939056		0.78	>10000	6.30	7.24	0.07	0.22	0.03	0.083	0.13	6.7	19.9	1.47	1500	8.73	0.06
939257		3.67	1250	4.12	3.77	<0.05	0.08	0.42	0.133	0.22	8.2	8.0	1.23	2210	140.0	0.14
939342		1.20	1175	6.45	7.31	0.16	0.14	<0.01	0.050	0.28	3.4	18.1	1.26	553	3.19	0.24
206885		1.81	1905	4.16	4.89	0.07	0.13	0.09	0.067	0.47	20.6	7.4	0.82	357	150.0	0.05

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



ALS Canada Ltd.
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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
 1155 ROBSON STREET, SUITE 400
 VANCOUVER BC V6E 1B5

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 Total # Pages: 3 (A - D)
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 Finalized Date: 21- FEB- 2011
 Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA11013053

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Nb ppm 0.05	Ni ppm 0.2	P ppm 10	Pb ppm 0.2	Rb ppm 0.1	Re ppm 0.001	S % 0.01	Sb ppm 0.05	Sc ppm 0.1	Se ppm 0.2	Sn ppm 0.2	Sr ppm 0.2	Ta ppm 0.01	Te ppm 0.01	Th ppm 0.2
206318		<0.05	3.5	890	4.6	4.5	0.025	0.10	0.40	6.6	0.8	1.3	40.1	<0.01	0.01	1.7
206377		0.12	2.4	860	25.6	2.5	0.023	0.16	0.23	3.2	0.3	0.7	55.2	<0.01	0.02	1.6
206402		<0.05	3.2	700	25.3	2.6	0.086	1.22	0.47	8.0	4.4	1.5	53.3	<0.01	0.09	1.3
206457		<0.05	2.5	800	228	13.0	0.180	1.15	26.1	3.1	2.8	0.4	131.5	<0.01	0.03	1.2
206883		<0.05	20.8	1150	9.3	9.0	0.063	1.91	5.45	7.9	6.2	0.8	137.5	<0.01	0.24	1.2
937048		<0.05	11.0	1120	55.0	13.7	0.017	0.66	125.5	6.9	0.7	0.5	171.5	<0.01	0.21	7.3
937313		<0.05	1.4	970	12.4	17.0	<0.001	1.99	2.74	14.0	1.7	0.5	179.5	<0.01	3.04	0.6
937431		0.06	4.9	990	9.2	26.5	0.058	0.86	0.51	12.4	2.7	0.8	498	<0.01	0.04	0.9
937857		<0.05	4.6	1100	831	15.6	0.033	6.25	31.2	1.0	4.1	0.2	22.9	<0.01	2.62	0.5
938146		<0.05	1.5	740	19.1	12.8	0.003	0.83	48.1	1.9	0.4	0.2	59.3	<0.01	0.01	0.8
938213		<0.05	3.1	600	3.5	9.3	0.066	0.10	0.47	4.8	1.7	0.6	42.4	<0.01	0.08	2.8
938349		<0.05	7.7	990	101.5	16.8	0.058	3.50	4.47	6.7	2.5	0.6	50.3	<0.01	2.52	1.1
938498		<0.05	7.3	860	2.9	5.3	0.054	1.61	0.89	7.0	3.3	0.7	104.0	<0.01	0.65	1.7
938958		<0.05	11.6	840	555	9.2	0.025	2.73	46.6	11.6	4.5	0.4	85.1	<0.01	4.26	1.6
939016		<0.05	6.7	880	3.3	4.2	0.089	0.54	0.68	8.5	1.1	0.7	85.4	<0.01	0.25	1.8
206884		0.21	41.9	670	22.8	9.3	0.367	2.21	7.33	6.5	3.8	2.4	40.2	0.01	0.25	0.7
939038		0.06	6.3	840	3.1	2.7	0.090	0.50	0.84	8.0	2.5	0.5	49.2	<0.01	0.12	1.7
939056		<0.05	10.2	770	6.3	7.6	0.016	2.34	1.54	11.6	2.5	0.4	50.9	<0.01	2.55	1.2
939257		<0.05	11.0	770	611	15.5	0.127	1.13	43.4	11.5	2.3	0.5	183.0	<0.01	0.09	1.1
939342		0.10	8.6	970	2.6	19.3	0.021	0.50	0.27	6.0	1.2	0.8	91.7	<0.01	0.03	1.0
206885		0.10	17.3	700	21.1	30.7	0.035	1.84	6.41	6.5	2.5	1.7	70.2	<0.01	0.25	10.2



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 1155 ROBSON STREET, SUITE 400
 VANCOUVER BC V6E 1B5

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 Finalized Date: 21- FEB- 2011
 Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA11013053

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Cu- OG46
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Cu %
		0.005	0.02	0.05	1	0.05	0.05	2	0.5	0.001
206318		0.011	0.03	0.52	93	0.18	10.80	118	4.2	
206377		0.148	0.02	0.40	121	0.44	8.46	184	4.8	
206402		0.010	0.05	0.22	84	<0.05	9.65	344	2.9	
206457		<0.005	0.15	0.73	41	0.05	9.62	1140	6.3	
206883		0.009	0.08	0.47	87	3.85	14.15	62	2.3	
937048		0.005	0.31	2.43	43	0.09	17.25	192	6.4	
937313		0.023	0.11	0.44	75	0.07	19.10	45	2.0	
937431		0.201	0.21	0.19	116	0.08	12.30	81	3.3	
937857		<0.005	0.31	0.29	19	0.39	3.48	630	4.3	
938146		0.011	0.09	0.52	36	2.47	7.62	292	4.2	
938213		0.020	0.06	0.47	63	<0.05	8.86	28	6.0	
938349		<0.005	0.21	0.39	84	0.14	9.23	146	5.2	
938498		<0.005	0.07	0.67	95	1.15	11.10	89	6.7	
938958		<0.005	0.12	2.27	99	0.08	15.45	1940	6.4	1.590
939016		0.059	0.02	0.48	126	0.06	10.40	50	5.6	
206884		0.180	0.36	0.34	84	14.85	8.08	208	3.3	
939038		0.090	0.02	0.51	139	0.11	10.95	68	5.2	
939056		0.008	0.07	0.74	112	<0.05	18.70	75	6.2	1.005
939257		<0.005	0.27	0.35	92	0.08	14.80	870	2.8	
939342		0.247	0.06	0.31	164	0.29	8.45	50	3.4	
206885		0.037	0.33	3.99	55	2.47	10.85	64	3.7	



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1155 ROBSON STREET, SUITE 400
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Account: GOFICA

Project: Woodjam North

CERTIFICATE OF ANALYSIS VA11013053

Method	CERTIFICATE COMMENTS
ME- MS41 ME- MS41	Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g). Interference: Mo> 400ppm on ICP- MS Cd,ICP- AES results shown.



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Page: 1
 Finalized Date: 23- JAN- 2011
 This copy reported on
 4- MAR- 2011
 Account: GOFICA

CERTIFICATE VA11010325


Project: GOFICA_VA10187409
 P.O. No.:
 This report is for 15 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 20- JAN- 2011.
 The following have access to data associated with this certificate:
 JULIANNE MADSEN

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES

To: **GOLD FIELDS HORSEFLY EXPLORATION INC.**
ATTN: JULIANNE MADSEN
1155 ROBSON STREET, SUITE 400
VANCOUVER BC V6E 1B5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 
 Colin Ramshaw, Vancouver Laboratory Manager



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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
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 Total # Pages: 2 (A)
 Finalized Date: 23- JAN- 2011
 Account: GOFICA

Project: GOFICA_VA10187409

CERTIFICATE OF ANALYSIS VA11010325

Sample Description	Method Analyte Units LOR	Au- ICP21 Au ppm 0.001
939257 939258 939259 939260 939261		0.111 0.090 0.009 1.030 0.017
939263 939264 939266 939267 939317		0.069 0.006 0.065 0.302 0.106
939318 939319 939320 939321 939322		0.134 0.114 1.140 0.094 0.203

Comments: **RE- ANALYSIS RESULTS FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE VA10187409.**



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Page: 1
 Finalized Date: 3- MAR- 2011
 This copy reported on
 4- MAR- 2011
 Account: GOFICA

CERTIFICATE VA11024351


Project: GOFICA_VA10187409
 P.O. No.:
 This report is for 15 Drill Core samples submitted to our lab in Vancouver, BC,
 Canada on 15- FEB- 2011.
 The following have access to data associated with this certificate:
 JOHN HERTEL JULIANNE MADSEN

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES

To: **GOLD FIELDS HORSEFLY EXPLORATION INC.**
ATTN: JULIANNE MADSEN
1155 ROBSON STREET, SUITE 400
VANCOUVER BC V6E 1B5

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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 Total # Pages: 2 (A)
 Finalized Date: 3- MAR- 2011
 Account: GOFICA

Project: GOFICA_VA10187409

CERTIFICATE OF ANALYSIS VA11024351

Sample Description	Method Analyte Units LOR	Au- ICP21 Au ppm 0.001
939257		0.102
939258		0.119
939259		0.008
939260		1.165
939261		0.017
939263		0.068
939264		0.006
939266		0.046
939267		0.404
939317		0.114
939318		0.142
939319		0.116
939320		1.150
939321		0.103
939322		0.207

Comments: **RE- ANALYSIS RESULTS FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE VA10187409.**



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1155 ROBSON STREET, SUITE 400

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Page: 1

Finalized Date: 17-JUL-2010

This copy reported on 19-JUL-2010

Account: GOFICA

CERTIFICATE VA10092524

Project: VA10078839R

P.O. No.:

This report is for 29 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 8-JUL-2010.

The following have access to data associated with this certificate:

BLAIRD
BRUCE LAIRD
TWILA SKINNER

NATE BREWER
JULIANNE MADSEN

JOHN HERTEL
ROSS SHERLOCK

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND-02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS41	51 anal. aqua regia ICPMS

To: GOLD FIELDS HORSEFLY EXPLORATION INC.

ATTN: JULIANNE MADSEN

1155 ROBSON STREET, SUITE 400

VANCOUVER BC V6E 1B5

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Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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 Finalized Date: 17-JUL-2010
 Account: GOFICA

Project: VA10078839R

CERTIFICATE OF ANALYSIS VA10092524

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
		Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
206168		0.59	1.49	9.2	0.2	10	190	0.17	0.12	1.89	1.06	16.85	14.4	5	2.20	1625
206169		0.55	1.28	22.8	<0.2	10	30	0.31	0.18	1.66	0.84	15.45	12.4	1	3.39	1300
206170		1.89	2.20	9.9	0.9	<10	170	0.11	0.40	1.30	1.58	6.69	25.2	54	0.94	5080
206171		0.59	1.17	60.6	<0.2	10	820	0.27	0.23	4.41	1.73	20.7	9.5	1	3.96	1730
206172		0.56	1.42	28.7	<0.2	10	40	0.22	0.36	2.75	2.32	19.25	15.2	2	3.47	1275
206252		0.33	1.30	6.6	<0.2	<10	70	0.13	0.06	1.97	3.91	15.80	7.5	4	0.70	946
206253		0.63	1.29	15.0	0.2	10	90	0.20	0.04	1.77	1.21	15.50	7.8	4	1.12	2350
206254		0.29	1.32	5.5	<0.2	10	110	0.16	0.04	1.46	0.38	18.15	12.7	6	0.67	1350
206267		1.89	0.96	12.9	<0.2	10	40	0.19	0.72	1.68	0.94	16.15	27.7	2	1.16	1105
206268		0.83	1.41	15.1	<0.2	10	30	0.10	0.09	1.44	1.68	17.55	17.6	2	1.36	959
206269		0.17	1.58	4.0	<0.2	20	40	0.12	0.06	1.21	0.53	16.60	9.9	3	2.12	367
206270		1.85	1.40	43.0	0.2	<10	170	0.34	0.30	4.02	1.25	19.35	17.5	23	1.25	3240
206271		0.19	1.56	2.7	0.2	20	30	0.16	0.04	1.16	0.38	15.60	9.3	2	2.21	278
206272		0.26	1.73	3.4	<0.2	20	70	0.19	0.06	1.31	0.45	14.15	16.8	3	2.03	327
206273		0.23	1.83	6.8	<0.2	20	90	0.21	0.06	1.20	0.72	15.40	25.9	4	1.63	524
206287		0.20	1.34	18.2	<0.2	40	120	0.32	0.08	2.54	0.88	19.25	19.5	2	3.45	236
206288		0.10	1.55	9.4	<0.2	30	130	0.22	0.09	1.86	0.36	17.95	12.5	3	3.48	141.0
206289		0.11	1.49	17.8	<0.2	40	90	0.24	0.11	1.75	0.40	19.20	19.0	2	3.31	219
206290		2.44	2.38	10.8	2.7	<10	140	0.16	0.46	1.41	1.52	7.14	28.8	58	0.90	5090
206291		0.12	1.69	19.0	<0.2	40	130	0.23	0.10	1.67	0.31	17.35	16.4	2	3.24	200
206292		1.31	1.15	90.9	<0.2	30	20	0.28	0.15	3.21	9.48	15.85	17.3	2	3.39	414
206293		1.87	0.92	89.2	<0.2	30	130	0.32	0.15	4.43	2.97	16.95	16.6	1	5.00	395
206307		0.06	1.20	8.2	<0.2	20	130	0.18	0.16	1.80	0.19	17.50	11.5	2	2.32	128.5
206308		0.12	1.30	6.4	<0.2	20	100	0.15	0.12	1.47	0.18	16.20	14.7	3	2.04	374
206309		0.28	1.32	14.4	<0.2	20	110	0.15	0.11	1.91	0.97	16.50	19.1	2	3.05	672
206310		1.92	1.67	29.1	<0.2	<10	170	0.49	2.48	1.83	0.99	42.0	18.8	66	2.20	1900
206311		0.18	1.06	13.4	<0.2	20	100	0.15	0.20	2.29	0.48	19.65	23.7	2	2.30	637
206312		0.10	1.00	6.7	<0.2	20	120	0.13	0.10	1.49	0.22	17.00	17.7	3	2.13	297
206313		0.80	0.75	39.2	<0.2	20	120	0.17	0.11	2.04	6.15	17.35	19.5	2	2.51	702

Comments: **RE-ANALYSIS FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE VA10078839.**



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Total # Pages: 2 (A - D)

Plus Appendix Pages

Finalized Date: 17-JUL-2010

Account: GOFICA

Project: VA10078839R

CERTIFICATE OF ANALYSIS VA10092524

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
Units	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
LOR	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05	0.2
206168		4.87	7.16	0.12	0.21	<0.01	0.170	0.21	7.1	14.5	1.06	639	7.69	0.09	0.06	3.6
206169		4.11	4.26	0.07	0.13	<0.01	0.160	0.18	6.4	10.0	0.49	446	6.81	0.06	<0.05	3.0
206170		4.60	6.16	0.14	0.13	0.08	0.163	0.24	2.8	10.1	1.28	381	239	0.14	0.25	39.4
206171		3.51	4.03	0.08	0.16	<0.01	0.239	0.18	9.1	9.9	0.37	1120	29.4	0.06	<0.05	2.4
206172		3.78	5.84	0.09	0.15	<0.01	0.216	0.13	8.1	11.4	0.68	817	4.94	0.08	<0.05	3.3
206252		2.14	5.24	0.05	0.13	<0.01	0.163	0.14	5.7	11.0	0.96	1010	67.2	0.12	<0.05	2.4
206253		3.09	5.19	0.08	0.12	<0.01	0.107	0.08	6.3	11.4	1.32	1150	22.7	0.09	<0.05	3.4
206254		3.01	5.60	0.06	0.23	<0.01	0.053	0.15	8.0	12.8	1.17	674	13.65	0.11	<0.05	4.4
206267		4.07	3.30	0.07	0.12	<0.01	0.027	0.20	6.8	11.1	1.11	518	60.3	0.05	<0.05	3.1
206268		3.56	5.65	0.08	0.08	<0.01	0.019	0.10	7.4	19.7	1.25	396	11.30	0.08	<0.05	2.8
206269		3.44	5.51	0.09	0.09	<0.01	0.013	0.12	6.9	21.0	1.23	347	6.66	0.10	<0.05	2.6
206270		4.67	5.48	0.11	0.08	0.16	0.066	0.21	9.3	12.6	1.27	613	437	0.08	0.06	21.0
206271		3.36	5.23	0.09	0.09	<0.01	0.012	0.12	6.5	21.6	1.23	366	4.18	0.10	<0.05	2.4
206272		3.67	6.55	0.10	0.10	<0.01	0.015	0.13	6.3	20.8	1.29	429	4.74	0.11	<0.05	2.8
206273		3.63	6.49	0.10	0.12	<0.01	0.022	0.21	7.1	18.8	1.24	406	7.93	0.12	<0.05	3.1
206287		3.81	4.75	0.11	0.17	0.01	0.012	0.22	9.2	14.5	1.13	462	23.8	0.10	<0.05	2.9
206288		3.92	5.78	0.11	0.17	<0.01	0.008	0.18	8.4	18.5	0.98	337	1.85	0.12	<0.05	3.1
206289		4.20	5.72	0.13	0.19	<0.01	0.011	0.26	8.7	15.5	0.97	352	2.58	0.11	<0.05	3.2
206290		4.54	7.75	0.15	0.13	0.13	0.170	0.25	3.3	10.5	1.34	404	258	0.15	0.27	45.0
206291		3.85	5.90	0.12	0.16	<0.01	0.018	0.27	8.0	17.8	0.82	333	5.50	0.12	<0.05	3.0
206292		4.04	3.63	0.09	0.13	0.03	0.009	0.21	7.3	12.0	1.07	646	54.6	0.08	<0.05	2.8
206293		3.52	2.76	0.09	0.10	0.01	0.010	0.21	7.8	11.0	0.67	727	18.90	0.07	<0.05	2.7
206307		3.44	5.32	0.09	0.14	<0.01	0.016	0.16	8.4	13.9	1.15	405	1.75	0.08	<0.05	2.4
206308		4.23	6.30	0.11	0.16	<0.01	0.016	0.11	7.5	14.9	1.27	375	1.82	0.09	<0.05	3.7
206309		3.70	7.17	0.12	0.15	<0.01	0.029	0.09	7.5	14.6	1.19	425	1.88	0.08	<0.05	2.5
206310		3.90	6.13	0.12	0.12	0.09	0.076	0.53	23.3	8.1	0.84	369	160.0	0.07	0.13	18.9
206311		4.39	4.93	0.11	0.16	<0.01	0.020	0.16	9.3	11.0	1.35	457	4.89	0.08	<0.05	2.6
206312		3.69	4.91	0.09	0.15	<0.01	0.018	0.12	7.8	11.3	1.09	408	4.24	0.08	<0.05	2.3
206313		4.00	2.99	0.11	0.19	0.01	0.037	0.14	8.1	7.3	0.96	437	8.14	0.08	<0.05	2.6

Comments: **RE-ANALYSIS FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE VA10078839.**

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



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Project: VA10078839R

CERTIFICATE OF ANALYSIS VA10092524

Sample Description	Method Analyte Units LOR	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005	0.02
206168		820	14.8	12.6	0.060	0.35	1.26	5.1	1.2	0.8	57.8	<0.01	0.08	1.6	0.038	0.08
206169		840	40.8	8.7	0.047	0.60	1.37	3.8	1.4	0.8	68.3	<0.01	0.15	1.5	0.007	0.08
206170		640	21.7	8.7	0.355	2.19	8.46	5.9	3.7	2.3	43.5	0.01	0.23	0.7	0.168	0.38
206171		810	39.0	11.4	0.405	0.51	2.96	5.8	1.6	0.7	76.0	<0.01	0.08	1.4	0.018	0.10
206172		860	24.7	7.5	0.036	0.77	0.80	5.9	1.5	0.6	76.0	<0.01	0.29	1.5	0.009	0.05
206252		770	5.7	6.3	0.166	0.34	0.56	7.2	0.9	1.1	60.0	<0.01	0.05	1.8	0.008	0.04
206253		740	5.3	4.1	0.320	0.50	0.65	6.6	2.0	0.7	74.3	<0.01	0.10	1.3	<0.005	0.03
206254		590	4.9	7.0	0.059	0.88	0.22	3.4	1.9	0.7	66.2	<0.01	0.14	1.8	0.007	0.06
206267		830	13.6	9.7	0.453	2.65	2.90	3.2	4.0	0.4	58.9	<0.01	0.37	1.4	<0.005	0.13
206268		800	12.1	5.7	0.171	2.06	33.7	5.1	4.5	0.4	51.1	<0.01	0.06	1.4	<0.005	0.05
206269		840	9.4	7.0	0.092	1.86	0.70	5.3	5.3	0.4	60.0	<0.01	0.03	1.4	0.005	0.07
206270		1130	8.4	9.1	0.065	1.95	5.99	7.3	6.6	0.9	143.5	<0.01	0.22	1.1	0.010	0.09
206271		800	8.3	7.0	0.054	1.56	0.51	5.2	3.9	0.4	61.1	<0.01	0.02	1.4	0.006	0.07
206272		880	10.3	8.5	0.051	1.63	2.42	6.2	4.6	0.5	60.6	<0.01	0.02	1.6	0.005	0.09
206273		790	15.4	12.2	0.113	1.86	1.83	6.0	5.1	0.5	55.9	<0.01	0.02	1.6	0.005	0.11
206287		730	25.3	12.8	0.115	3.17	0.95	4.7	5.9	0.3	79.8	<0.01	0.02	1.5	<0.005	0.13
206288		770	12.2	10.4	0.026	3.20	0.20	5.3	4.2	0.3	64.7	<0.01	0.02	1.5	<0.005	0.12
206289		850	16.2	16.2	0.016	3.78	0.44	5.9	6.9	0.4	67.1	<0.01	0.04	1.6	0.009	0.18
206290		660	22.7	9.8	0.399	2.09	8.03	7.6	4.1	2.4	45.1	0.01	0.25	0.8	0.178	0.40
206291		820	18.0	16.6	0.024	3.33	0.64	5.3	6.8	0.4	59.2	<0.01	0.04	1.6	0.008	0.17
206292		840	122.5	12.7	0.497	3.89	9.45	4.2	6.0	0.3	73.1	<0.01	0.06	1.4	<0.005	0.16
206293		850	91.6	13.3	0.077	2.91	20.1	3.8	5.7	0.3	72.3	<0.01	0.04	1.3	<0.005	0.13
206307		820	4.4	9.0	0.104	2.21	0.20	4.6	2.8	0.6	53.6	<0.01	0.03	1.4	<0.005	0.09
206308		790	4.8	7.0	0.075	3.37	0.41	6.5	4.3	0.5	50.7	<0.01	0.04	1.5	<0.005	0.08
206309		820	28.6	6.0	0.024	1.98	1.03	5.1	3.2	0.6	50.5	<0.01	0.03	1.4	<0.005	0.06
206310		720	22.0	33.9	0.039	1.82	6.84	7.2	3.6	1.9	75.6	<0.01	0.30	10.8	0.039	0.33
206311		840	8.0	10.2	0.027	3.67	5.03	3.8	4.6	0.4	61.1	<0.01	0.08	1.4	<0.005	0.10
206312		820	4.7	7.3	0.029	2.19	0.39	4.4	3.0	0.5	50.0	<0.01	0.04	1.3	<0.005	0.08
206313		820	95.9	8.2	0.039	3.35	11.45	3.8	4.7	0.5	61.0	<0.01	0.05	1.4	<0.005	0.09

Comments: **RE-ANALYSIS FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE VA10078839.**

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



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Finalized Date: 17-JUL-2010

Account: GOFICA

Project: VA10078839R

CERTIFICATE OF ANALYSIS VA10092524

Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.05	1	0.05	0.05	2	0.5
206168		0.61	120	0.06	12.30	163	7.1
206169		0.75	82	0.10	9.13	201	5.8
206170		0.29	80	14.30	7.77	198	3.4
206171		0.76	88	0.12	13.00	323	6.4
206172		0.48	63	0.07	13.90	294	6.1
206252		0.89	47	<0.05	13.25	491	4.0
206253		1.74	69	0.05	13.40	215	5.6
206254		1.40	57	0.07	9.95	92	9.0
206267		1.12	43	0.07	12.90	97	6.0
206268		0.98	70	<0.05	13.35	67	3.2
206269		0.54	69	<0.05	12.65	53	2.5
206270		0.46	85	3.80	13.55	63	2.5
206271		0.35	63	0.05	11.80	61	2.3
206272		0.38	72	0.05	12.05	76	3.0
206273		0.49	83	0.05	11.45	65	3.8
206287		0.50	57	0.05	13.05	155	9.0
206288		0.52	65	0.05	11.35	82	7.4
206289		0.61	80	0.05	10.65	93	7.6
206290		0.32	81	15.80	8.73	203	3.9
206291		0.59	69	0.05	10.85	81	6.4
206292		0.60	38	0.05	10.50	913	6.7
206293		0.38	32	0.06	11.65	506	5.6
206307		0.44	53	<0.05	13.70	82	6.5
206308		0.48	77	<0.05	10.55	83	6.8
206309		0.34	66	0.06	10.40	189	6.6
206310		4.29	58	2.82	12.10	64	4.1
206311		0.50	50	0.19	12.90	102	7.6
206312		0.43	54	0.06	11.00	109	6.3
206313		0.46	45	0.07	11.40	884	7.1

Comments: **RE-ANALYSIS FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE VA10078839.**

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



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Project: VA10078839R

CERTIFICATE OF ANALYSIS VA10092524

Method	CERTIFICATE COMMENTS
ME-MS41 ME-MS41	Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g). Interference: Mo>400ppm on ICP-MS Cd,ICP-AES results shown.



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To: **GOLD FIELDS HORSEFLY EXPLORATION INC.**
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 This copy reported on
 1- OCT- 2010
 Account: GOFICA

CERTIFICATE VA10119674

Project: GOFICA_VA10110622
 P.O. No.:
 This report is for 13 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 2- SEP- 2010.
 The following have access to data associated with this certificate:
 BRUCE LAIRD JULIANNE MADSEN

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **GOLD FIELDS HORSEFLY EXPLORATION INC.**
ATTN: JULIANNE MADSEN
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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 VA10119674

Sample Description	Method Analyte Units LOR	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
937527		0.027	0.28	1.15	4.1	<0.2	<10	230	0.12	0.03	0.66	0.18	9.25	7.0	6	0.82
937528		0.024	0.31	1.13	2.3	<0.2	<10	240	0.14	0.04	0.65	0.09	8.79	9.1	6	0.70
937529		0.008	0.61	1.17	2.6	<0.2	<10	90	0.22	0.37	1.36	0.04	7.26	15.0	3	1.34
937530		1.270	2.02	2.27	9.9	0.9	<10	130	0.15	0.42	1.45	1.46	6.45	27.5	59	0.98
937534		0.004	0.13	1.14	3.2	<0.2	<10	250	0.13	0.03	1.26	0.03	7.17	2.2	4	0.82
937535		0.009	0.42	1.32	3.0	<0.2	<10	200	0.12	0.03	1.15	0.05	7.33	2.9	6	1.06
937627		0.001	0.02	1.03	3.6	<0.2	<10	110	0.14	0.02	1.68	0.02	7.60	1.0	5	0.93
937628		0.002	0.04	1.17	1.9	<0.2	<10	50	0.22	0.19	1.90	0.01	6.02	2.0	4	2.07
937629		0.004	0.10	0.58	1.8	<0.2	<10	20	0.23	0.16	2.00	0.02	3.21	0.7	4	2.53
937630		0.331	2.04	1.48	47.6	0.2	<10	100	0.42	0.32	4.53	1.29	17.60	19.5	26	1.27
937631		0.003	0.06	0.94	1.9	<0.2	<10	320	0.22	0.15	1.98	0.02	9.28	2.5	4	2.39
937632		0.002	0.04	0.55	2.0	<0.2	<10	20	0.25	0.08	2.53	0.02	5.44	1.3	4	4.46
937633		0.002	0.05	0.79	2.1	<0.2	<10	80	0.20	0.09	2.91	0.02	7.29	2.3	3	4.72

Comments: **RE- ANALYSIS DATA FOR SAMPLES ORIGINALLY REPORTED ON VA10110622**

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Project: GOFICA_VA10110622

CERTIFICATE OF ANALYSIS VA10119674

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm
937527		914	2.57	4.84	0.10	0.35	0.07	0.028	0.13	4.7	6.4	0.67	210	0.88	0.07	0.23
937528		1295	3.05	4.98	0.10	0.26	0.02	0.021	0.10	4.5	5.8	0.63	229	0.76	0.07	0.18
937529		828	1.58	3.52	0.08	0.23	0.01	0.066	0.12	3.7	5.0	0.48	170	1.27	0.03	0.15
937530		5250	4.94	7.10	0.13	0.14	0.12	0.168	0.25	3.1	9.6	1.36	404	243	0.15	0.29
937534		452	0.76	2.77	0.06	0.22	0.01	0.012	0.05	3.4	4.5	0.56	145	1.59	0.07	0.16
937535		1325	1.03	3.39	0.07	0.25	0.01	0.013	0.04	3.5	5.2	0.65	170	1.13	0.09	0.20
937627		35.4	0.63	2.93	0.05	0.26	0.01	0.012	0.02	4.0	6.1	0.38	185	3.40	0.10	0.15
937628		61.0	1.21	3.08	<0.05	0.15	0.02	0.016	0.05	2.9	7.9	0.64	222	1.25	0.07	0.11
937629		5.9	0.52	1.21	<0.05	0.05	0.02	0.029	0.12	1.6	2.2	0.10	216	32.5	0.06	0.09
937630		3400	4.94	6.38	0.13	0.09	0.20	0.070	0.22	9.0	13.0	1.34	663	452	0.09	0.08
937631		38.4	1.07	2.66	<0.05	0.09	0.01	0.028	0.07	4.9	6.7	0.40	275	7.97	0.07	0.08
937632		2.9	0.71	1.43	<0.05	0.05	0.01	0.057	0.15	2.7	3.4	0.10	376	4.96	0.05	0.07
937633		9.5	0.96	1.94	<0.05	0.05	0.01	0.052	0.16	3.4	4.7	0.46	553	2.80	0.04	0.05

Comments: **RE- ANALYSIS DATA FOR SAMPLES ORIGINALLY REPORTED ON VA10110622**

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



ALS Canada Ltd.
 2103 Dollarton Hwy
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 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: GOLD FIELDS HORSEFLY EXPLORATION INC.
 1155 ROBSON STREET, SUITE 400
 VANCOUVER BC V6E 1B5

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 Finalized Date: 10- SEP- 2010
 Account: GOFICA

Project: GOFICA_VA10110622

CERTIFICATE OF ANALYSIS VA10119674

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Ni ppm	P ppm	Pb ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %
937527		2.9	730	13.8	7.8	0.003	0.17	0.78	2.6	1.0	0.4	148.0	<0.01	0.03	2.2	0.110
937528		3.2	740	4.5	5.3	0.002	0.18	0.59	2.2	1.3	0.3	134.0	<0.01	0.02	2.0	0.093
937529		4.1	700	3.0	7.0	0.004	0.56	0.80	2.2	1.3	0.4	102.0	<0.01	0.37	1.3	0.058
937530		42.1	690	22.8	11.3	0.382	2.21	7.74	7.3	4.3	2.1	43.2	0.01	0.24	0.7	0.176
937534		3.0	760	1.8	2.4	0.005	0.07	0.35	1.7	0.6	0.2	111.5	<0.01	0.02	1.4	0.072
937535		3.3	720	1.6	1.9	0.003	0.14	0.45	1.9	1.4	0.3	128.0	<0.01	0.02	1.5	0.096
937627		1.9	700	1.8	1.4	0.036	0.01	0.40	2.7	0.2	0.5	77.8	<0.01	0.01	2.1	0.065
937628		2.8	670	1.7	4.1	0.003	0.11	0.89	3.4	0.2	0.8	58.4	<0.01	0.12	2.8	0.038
937629		1.1	570	2.0	9.4	0.011	0.02	0.42	1.6	0.2	0.5	32.4	<0.01	0.10	2.4	0.017
937630		22.5	1220	9.6	11.7	0.068	1.99	5.87	9.0	7.4	0.8	147.0	<0.01	0.24	1.3	0.010
937631		2.1	640	2.1	5.9	0.031	0.13	0.76	2.9	0.2	0.4	48.6	<0.01	0.10	2.9	0.021
937632		1.1	680	2.6	11.6	0.003	0.05	1.18	2.3	0.2	0.4	38.7	<0.01	0.03	2.7	0.006
937633		3.2	690	2.1	13.6	0.003	0.10	0.61	3.0	0.2	0.3	41.9	<0.01	0.04	3.3	0.006

Comments: **RE- ANALYSIS DATA FOR SAMPLES ORIGINALLY REPORTED ON VA10110622**

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To: **GOLD FIELDS HORSEFLY EXPLORATION INC.**
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 VANCOUVER BC V6E 1B5

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 Finalized Date: 10- SEP- 2010
 Account: GOFICA

Project: GOFICA_VA10110622

CERTIFICATE OF ANALYSIS VA10119674

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Tl	U	V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.05	1	0.05	0.05	2	0.5
937527		0.03	0.71	67	0.24	5.92	101	10.7
937528		0.02	0.60	67	0.19	5.68	23	7.9
937529		0.04	0.56	28	0.21	5.18	11	6.8
937530		0.41	0.28	84	15.00	7.88	213	3.9
937534		<0.02	0.50	22	0.17	5.07	10	6.9
937535		<0.02	0.49	29	0.20	5.32	10	8.0
937627		<0.02	0.63	34	0.14	6.12	10	5.5
937628		0.03	0.61	40	0.14	6.54	8	4.1
937629		0.06	0.39	12	0.14	5.76	4	1.5
937630		0.10	0.44	90	4.07	13.55	67	2.8
937631		0.04	0.75	32	0.14	7.68	8	2.8
937632		0.08	0.59	14	0.10	7.51	4	1.4
937633		0.09	1.01	15	0.09	8.75	8	1.1

Comments: **RE- ANALYSIS DATA FOR SAMPLES ORIGINALLY REPORTED ON VA10110622**

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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
1155 ROBSON STREET, SUITE 400
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Account: GOFICA

Project: GOFICA_VA10110622

CERTIFICATE OF ANALYSIS VA10119674

Method	CERTIFICATE COMMENTS
ME- MS41 ME- MS41	Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g). Interference: Mo> 400ppm on ICP- MS Cd,ICP- AES results shown.



ALS Canada Ltd.
 2103 Dollarton Hwy
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 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **GOLD FIELDS HORSEFLY EXPLORATION INC.**
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Page: 1
 Finalized Date: 19- SEP- 2010
 This copy reported on
 7- OCT- 2010
 Account: GOFICA

CERTIFICATE VA10130136

Project: GOFICA_VA10114514
 P.O. No.:
 This report is for 95 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 15- SEP- 2010.
 The following have access to data associated with this certificate:
 JOHN HERTEL BRUCE LAIRD JULIANNE MADSEN

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES	
ALS CODE	DESCRIPTION
ME- MS41	51 anal. aqua regia ICPMS

To: **GOLD FIELDS HORSEFLY EXPLORATION INC.**
ATTN: JULIANNE MADSEN
1155 ROBSON STREET, SUITE 400
VANCOUVER BC V6E 1B5

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.
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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
 1155 ROBSON STREET, SUITE 400
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Project: GOFICA_VA10114514

CERTIFICATE OF ANALYSIS VA10130136

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm
937747		1.18	1.31	9.0	<0.2	<10	30	0.19	5.33	9.14	0.50	9.57	48.5	2	1.69	411
937748		0.18	1.89	6.1	<0.2	<10	20	0.32	0.92	8.93	0.07	9.46	2.7	2	2.55	2950
937749		0.09	2.25	7.7	<0.2	10	20	0.28	0.49	4.75	0.04	5.68	3.0	5	1.86	535
937750		2.09	1.53	49.7	0.2	<10	130	0.44	0.37	4.49	1.41	19.30	19.0	26	1.06	3580
937751		0.21	2.53	7.0	<0.2	<10	30	0.29	0.26	5.80	0.06	6.00	6.7	7	1.69	444
937752		0.27	2.99	5.9	<0.2	10	30	0.32	0.30	5.09	0.05	6.95	12.8	8	1.87	176.5
937768		0.03	3.24	9.9	<0.2	<10	70	0.28	0.05	2.50	0.05	8.06	1.7	3	3.39	40.9
937769		0.03	2.65	6.4	<0.2	<10	50	0.24	0.14	2.71	0.05	7.83	2.4	4	1.31	65.8
937770		2.19	2.34	11.0	1.1	<10	130	0.16	0.45	1.44	1.46	6.70	27.1	60	0.86	5460
937771		0.03	2.67	8.6	<0.2	<10	60	0.26	0.09	2.53	0.04	6.64	3.0	3	1.24	83.8
937772		0.02	2.87	13.3	<0.2	<10	70	0.22	0.04	2.23	0.04	6.21	2.1	2	1.01	15.0
937773		0.01	2.38	13.3	<0.2	<10	60	0.18	0.06	2.09	0.05	6.36	2.4	3	1.21	37.5

Comments: **RE- ANALYSIS DATA FOR SAMPLES ORIGINALLY REPORTED ON VA10114514**

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



ALS Canada Ltd.
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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
 1155 ROBSON STREET, SUITE 400
 VANCOUVER BC V6E 1B5

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Project: GOFICA_VA10114514

CERTIFICATE OF ANALYSIS VA10130136

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm
937747		6.65	3.48	0.08	0.13	0.10	0.227	0.24	3.3	13.8	0.31	696	4.33	0.01	<0.05	4.7
937748		4.07	5.34	0.08	0.09	<0.01	0.471	0.17	3.4	22.3	0.50	798	0.34	0.01	<0.05	0.7
937749		3.13	6.53	0.06	0.11	<0.01	0.203	0.14	1.9	23.8	1.19	510	0.96	0.02	<0.05	4.9
937750		4.94	6.31	0.10	0.09	0.21	0.077	0.22	9.9	15.5	1.38	669	449	0.08	<0.05	22.5
937751		2.57	6.79	0.05	0.13	<0.01	0.058	0.11	2.1	29.2	1.54	743	8.34	0.12	<0.05	5.9
937752		2.92	7.63	0.05	0.15	<0.01	0.040	0.10	2.2	33.1	1.72	713	1.38	0.15	<0.05	6.2
937768		0.61	6.28	<0.05	0.17	<0.01	0.005	0.03	2.4	10.7	0.58	162	0.25	0.47	0.07	1.2
937769		0.92	5.48	0.05	0.13	<0.01	0.013	0.03	2.1	15.4	0.78	212	0.52	0.31	0.06	1.7
937770		4.96	7.06	0.11	0.14	0.09	0.165	0.25	3.0	12.2	1.38	413	249	0.14	0.23	41.0
937771		0.89	6.05	0.05	0.14	<0.01	0.038	0.03	1.9	15.4	0.86	233	0.90	0.33	0.07	1.9
937772		0.69	5.55	0.05	0.14	<0.01	0.013	0.03	1.9	9.0	0.51	183	0.26	0.43	0.08	1.4
937773		0.82	5.20	0.06	0.19	<0.01	0.016	0.03	2.0	9.7	0.60	196	0.20	0.29	0.09	1.8

Comments: **RE- ANALYSIS DATA FOR SAMPLES ORIGINALLY REPORTED ON VA10114514**

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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
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Project: GOFICA_VA10114514

CERTIFICATE OF ANALYSIS VA10130136

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
		ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
		10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005	0.02
937747		1490	1.7	13.4	0.004	6.13	1.54	10.1	1.0	0.4	109.0	<0.01	4.38	0.6	0.015	0.10
937748		860	2.8	9.8	<0.001	0.59	2.66	10.3	0.6	0.5	163.0	<0.01	0.15	0.4	0.020	0.08
937749		1150	3.0	8.6	0.001	0.09	3.57	17.4	0.3	0.5	106.5	<0.01	0.04	0.4	0.041	0.06
937750		1250	8.9	9.9	0.068	2.04	5.78	9.9	7.3	0.9	148.5	<0.01	0.27	1.2	0.010	0.10
937751		910	2.2	7.0	<0.001	0.12	0.90	19.6	0.5	0.5	99.2	<0.01	0.03	0.4	0.049	0.05
937752		1030	6.1	5.7	0.001	0.45	0.72	17.9	0.8	0.5	99.4	<0.01	0.17	0.5	0.044	0.08
937768		1110	1.9	2.2	<0.001	0.01	0.60	3.5	0.2	0.6	284	<0.01	0.01	0.5	0.102	0.02
937769		850	2.0	1.6	<0.001	0.01	1.02	5.5	0.3	0.4	218	<0.01	0.01	0.5	0.072	<0.02
937770		700	22.8	9.5	0.381	2.28	8.84	7.4	4.2	2.3	47.0	0.01	0.24	0.7	0.178	0.41
937771		1030	2.4	1.4	<0.001	0.02	0.99	5.1	0.3	0.4	224	<0.01	0.01	0.5	0.091	<0.02
937772		1060	2.2	1.3	<0.001	0.01	0.92	2.7	0.2	0.4	334	<0.01	0.01	0.4	0.104	<0.02
937773		1000	1.9	1.4	<0.001	0.01	1.26	3.2	0.2	0.5	248	<0.01	0.01	0.5	0.118	<0.02

Comments: **RE- ANALYSIS DATA FOR SAMPLES ORIGINALLY REPORTED ON VA10114514**

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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
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 Account: GOFICA

Project: GOFICA_VA10114514

CERTIFICATE OF ANALYSIS VA10130136

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		U	V	W	Y	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	ppm
		0.05	1	0.05	0.05	2	0.5
937747		0.71	62	0.24	22.2	11	3.9
937748		0.49	113	0.30	15.35	16	2.4
937749		0.37	121	0.27	8.68	20	3.3
937750		0.45	92	3.59	15.30	69	2.9
937751		0.32	107	0.62	12.00	36	4.3
937752		0.32	109	1.24	11.75	38	5.1
937768		0.45	38	0.14	8.15	13	5.0
937769		0.36	48	0.10	8.34	15	3.7
937770		0.29	86	16.35	8.59	209	4.1
937771		0.34	46	0.11	7.33	20	3.3
937772		0.33	29	0.12	6.68	15	3.7
937773		0.39	37	0.15	6.99	15	5.1

Comments: **RE- ANALYSIS DATA FOR SAMPLES ORIGINALLY REPORTED ON VA10114514**

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



ALS Canada Ltd.
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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
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Account: GOFICA

Project: GOFICA_VA10114514

CERTIFICATE OF ANALYSIS VA10130136

Method	CERTIFICATE COMMENTS
ME- MS41 ME- MS41	Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g). Interference: Mo> 400ppm on ICP- MS Cd,ICP- AES results shown.



ALS Canada Ltd.
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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
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CERTIFICATE VA10146561

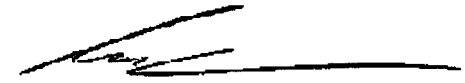
Project: GOFICA_VA10131011
 P.O. No.:
 This report is for 14 Drill Core samples submitted to our lab in Vancouver, BC,
 Canada on 7- OCT- 2010.
 The following have access to data associated with this certificate:
 BRUCE LAIRD JULIANNE MADSEN

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES

To: GOLD FIELDS HORSEFLY EXPLORATION INC.
 ATTN: JULIANNE MADSEN
 1155 ROBSON STREET, SUITE 400
 VANCOUVER BC V6E 1B5

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.
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 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: GOLD FIELDS HORSEFLY EXPLORATION INC.
 1155 ROBSON STREET, SUITE 400
 VANCOUVER BC V6E 1B5

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 Finalized Date: 12- OCT- 2010
 Account: GOFICA

Project: GOFICA_VA10131011

CERTIFICATE OF ANALYSIS VA10146561

Sample Description	Method Analyte Units LOR	Au- ICP21 Au ppm 0.001	Au- ICP21 Au Check ppm 0.001
938168		<0.001	
938169		0.001	
938170		0.327	
938171		0.001	
938172		<0.001	
938183		0.004	
938184		0.001	
938185		0.001	
938186		0.834	0.506
938187		0.468	0.551
938188		<0.001	0.003
938189		0.010	
938190		0.207	
938191		<0.001	

Comments: **Re- Analysis Results for Samples Originally Reported on Certificate VA10131011**



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **GOLD FIELDS HORSEFLY EXPLORATION INC.**
1155 ROBSON STREET, SUITE 400
VANCOUVER BC V6E 1B5

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 Finalized Date: 4- JAN- 2011
 Account: GOFICA


CERTIFICATE VA11000932

Project: VA10178529
 P.O. No.:
 This report is for 14 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 4- JAN- 2011.
 The following have access to data associated with this certificate:
 JOHN HERTEL BRUCE LAIRD JULIANNE MADSEN

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME- OG46	Ore Grade Elements - AquaRegia	ICP- AES
Cu- OG46	Ore Grade Cu - Aqua Regia	VARIABLE
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	51 anal. aqua regia ICPMS	

To: **GOLD FIELDS HORSEFLY EXPLORATION INC.**
ATTN: JULIANNE MADSEN
1155 ROBSON STREET, SUITE 400
VANCOUVER BC V6E 1B5

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.
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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
 1155 ROBSON STREET, SUITE 400
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 Finalized Date: 4- JAN- 2011
 Account: GOFICA

Project: VA10178529

CERTIFICATE OF ANALYSIS VA11000932

Sample Description	Method Analyte Units LOR	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Au ppm	Ag ppm	Al %	As ppm	Au ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm
938958		0.219	13.80	2.21	1015	<0.2	10	20	0.37	5.68	0.98	31.8	13.90	61.9	5	2.08
938959		0.053	5.26	2.79	230	<0.2	10	170	0.30	5.46	0.88	6.50	11.10	30.4	7	2.49
938960		0.980	2.12	2.34	10.6	1.8	<10	130	0.13	0.41	1.43	1.47	6.35	25.5	57	0.82
938961		0.018	0.80	2.55	78.6	<0.2	10	360	0.19	0.72	1.51	2.22	23.3	59.5	7	1.91
938962		0.007	1.55	1.99	86.2	<0.2	10	250	0.28	0.65	1.17	6.52	19.95	31.3	6	4.19
938963		0.190	1.56	2.06	64.2	<0.2	10	140	0.24	1.06	1.24	3.60	16.45	28.2	5	4.07
938977		0.006	0.05	2.17	13.4	<0.2	<10	120	0.16	0.41	1.14	0.08	9.74	11.2	8	0.75
938978		0.010	0.07	2.14	9.6	<0.2	<10	20	0.17	0.50	1.20	0.06	11.80	16.3	7	1.06
938979		0.007	0.08	1.87	7.7	<0.2	<10	80	0.15	0.27	1.23	0.04	10.85	11.0	7	0.97
938980		0.204	1.78	1.57	26.9	<0.2	<10	150	0.46	2.32	1.81	0.90	37.3	16.7	61	1.88
938981		0.004	0.11	2.04	9.3	<0.2	10	110	0.16	0.42	0.85	0.07	10.70	15.9	8	1.25
938982		0.006	0.08	1.86	8.9	<0.2	10	70	0.16	0.27	1.07	0.05	10.30	18.9	7	1.00
938983		0.008	0.23	1.74	16.0	<0.2	10	120	0.15	0.35	0.99	0.08	10.25	17.5	6	1.11
938984		0.012	0.26	1.43	13.0	<0.2	10	20	0.16	0.22	1.40	0.07	10.60	9.5	6	0.85

Comments: **RE- ANALYSIS DATA FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE VA10178529**

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



ALS Canada Ltd.
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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
 1155 ROBSON STREET, SUITE 400
 VANCOUVER BC V6E 1B5

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Project: VA10178529

CERTIFICATE OF ANALYSIS VA11000932

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm
938958		>10000	7.01	7.21	0.11	0.21	1.66	0.151	0.16	5.8	19.5	1.14	2050	3.69	0.05	<0.05
938959		4180	4.83	9.15	0.09	0.18	0.19	0.075	0.09	4.9	30.0	1.87	1560	0.70	0.08	<0.05
938960		5060	4.82	6.93	0.13	0.14	0.11	0.159	0.24	3.0	9.7	1.33	402	235	0.14	0.26
938961		779	4.35	9.00	0.08	0.18	0.24	0.054	0.12	10.8	23.8	1.59	1740	1.17	0.07	<0.05
938962		741	4.49	6.77	0.08	0.14	1.20	0.088	0.13	8.7	16.5	1.08	2270	1.05	0.08	<0.05
938963		803	4.88	6.98	0.08	0.18	0.73	0.109	0.16	7.1	18.4	0.97	2340	0.57	0.07	<0.05
938977		18.9	4.16	8.91	0.09	0.21	<0.01	0.111	0.05	4.0	17.4	1.42	1220	0.24	0.13	<0.05
938978		19.5	4.59	8.60	0.10	0.20	0.01	0.121	0.04	4.8	18.2	1.41	1110	0.38	0.13	<0.05
938979		8.9	3.79	7.69	0.08	0.19	0.08	0.117	0.03	4.6	15.2	1.33	1120	0.13	0.12	<0.05
938980		1850	4.08	5.26	0.09	0.13	0.09	0.064	0.50	21.1	7.6	0.82	359	148.5	0.05	0.13
938981		24.0	3.86	7.82	0.09	0.24	0.01	0.121	0.07	4.2	18.7	1.47	1120	0.47	0.10	<0.05
938982		85.1	4.27	6.53	0.09	0.23	0.01	0.115	0.04	4.0	19.0	1.44	1260	0.46	0.11	<0.05
938983		381	4.51	6.78	0.11	0.30	0.04	0.110	0.05	4.1	15.6	1.29	1130	0.80	0.12	<0.05
938984		65.6	4.32	5.51	0.12	0.34	0.01	0.099	0.02	3.9	12.3	0.98	1000	0.21	0.12	<0.05

Comments: **RE- ANALYSIS DATA FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE VA10178529**

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ALS Canada Ltd.
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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
 1155 ROBSON STREET, SUITE 400
 VANCOUVER BC V6E 1B5

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Project: VA10178529

CERTIFICATE OF ANALYSIS VA11000932

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	
		Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.2	0.01	0.01	0.2	0.005
938958		10.7	810	630	9.4	0.021	2.74	57.3	10.4	4.0	0.4	91.1	<0.01	3.44	1.3	<0.005	
938959		11.6	1000	145.5	5.8	0.007	0.86	11.00	10.1	1.3	0.5	88.0	<0.01	2.85	1.6	<0.005	
938960		41.0	630	22.1	9.6	0.338	2.03	7.43	6.5	3.8	2.0	43.9	0.01	0.25	0.8	0.183	
938961		11.5	980	60.1	7.5	0.012	0.69	13.65	9.5	0.7	0.4	75.1	<0.01	0.27	1.8	0.006	
938962		11.1	1000	156.5	9.3	0.031	0.42	35.7	12.1	0.5	0.3	92.2	<0.01	0.20	1.9	<0.005	
938963		10.8	990	118.5	10.9	0.010	0.71	22.2	11.4	0.6	0.3	78.0	<0.01	0.35	1.9	<0.005	
938977		10.1	1000	4.3	2.4	0.002	0.61	1.20	13.0	0.6	0.8	101.5	<0.01	0.39	1.7	0.012	
938978		11.0	980	2.3	2.1	0.003	1.97	0.83	12.1	1.8	1.1	96.3	<0.01	0.68	1.8	0.007	
938979		12.4	1000	2.0	1.5	0.002	1.49	0.67	11.1	1.2	0.7	110.5	<0.01	0.51	1.8	0.005	
938980		16.9	670	20.5	37.1	0.036	1.75	6.29	6.2	3.2	1.5	73.1	<0.01	0.30	10.6	0.038	
938981		10.0	980	2.2	3.5	0.004	0.97	0.79	10.6	1.1	0.7	79.6	<0.01	0.36	1.8	0.005	
938982		10.3	950	2.3	2.2	0.003	1.58	0.67	10.6	1.5	0.7	188.5	<0.01	0.46	1.7	0.008	
938983		9.8	950	3.3	2.4	0.004	2.13	0.71	10.7	2.2	0.7	113.5	<0.01	0.67	1.8	0.011	
938984		10.0	1000	3.2	1.2	0.002	2.12	1.02	10.0	1.3	0.8	156.5	<0.01	0.92	1.7	0.047	

Comments: **RE- ANALYSIS DATA FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE VA10178529**

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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
 1155 ROBSON STREET, SUITE 400
 VANCOUVER BC V6E 1B5

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 Account: GOFICA

Project: VA10178529

CERTIFICATE OF ANALYSIS VA11000932

Sample Description	Method Analyte Units LOR	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	Cu- OG46
		Tl	U	V	W	Y	Zn	Zr	Cu
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.02	0.05	1	0.05	0.05	2	0.5	0.001
938958		0.09	2.09	101	0.12	15.90	2340	7.1	1.565
938959		0.05	0.43	118	0.05	9.19	460	6.0	
938960		0.38	0.33	84	14.70	8.34	194	4.0	
938961		0.06	0.58	102	<0.05	16.05	201	6.6	
938962		0.07	0.49	93	0.08	19.05	418	5.7	
938963		0.09	0.41	94	0.08	19.40	352	7.5	
938977		0.03	0.32	135	<0.05	10.55	78	5.9	
938978		0.02	0.40	121	<0.05	9.99	70	5.4	
938979		<0.02	0.31	101	<0.05	9.38	60	5.7	
938980		0.32	4.07	57	2.63	11.65	65	4.1	
938981		0.03	0.50	104	<0.05	10.80	80	7.9	
938982		<0.02	0.43	91	<0.05	10.50	79	6.5	
938983		0.04	0.58	91	<0.05	12.60	66	8.9	
938984		0.02	0.33	82	<0.05	9.20	55	9.5	

Comments: **RE- ANALYSIS DATA FOR SAMPLES ORIGINALLY REPORTED ON CERTIFICATE VA10178529**

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



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To: GOLD FIELDS HORSEFLY EXPLORATION INC.
1155 ROBSON STREET, SUITE 400
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Project: VA10178529

CERTIFICATE OF ANALYSIS VA11000932

Method	CERTIFICATE COMMENTS
ME- MS41	Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Gold Fields Horsefly
400 - 1155 Robson Street
Vancouver BC V6E 1B5 Canada

Submitted By: Julianne Madsen
Receiving Lab: Canada-Vancouver
Received: January 17, 2011
Report Date: February 07, 2011
Page: 1 of 4

CERTIFICATE OF ANALYSIS

VAN11000317.2

CLIENT JOB INFORMATION

Project: Woodjam North
Shipment ID:
P.O. Number
Number of Samples: 61

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 90 days Invoice for Storage

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Gold Fields Horsefly
400 - 1155 Robson Street
Vancouver BC V6E 1B5
Canada

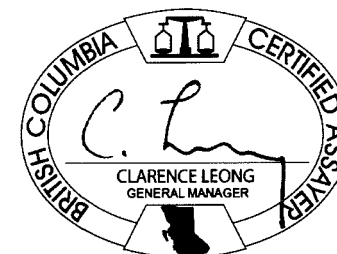
CC: Ross Sherlock

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include P200, Split Reject, G601, 1F01, and 7TD1.

ADDITIONAL COMMENTS

Version 2: 7TD1 Cu for Sample ID G938958 & Received weights included. Revised Sample IDs (without 'G' Prefix).



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. *** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Gold Fields Horsefly**
400 - 1155 Robson Street
Vancouver BC V6E 1B5 Canada

Project: Woodjam North
Report Date: February 07, 2011

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CERTIFICATE OF ANALYSIS

VAN11000317.2

Method	WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.005	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	
203029	Core Reject	4.13	0.160	5.33	1478	4.89	23.8	427	3.1	8.5	267	4.04	3.7	0.2	117.2	0.6	401.7	0.14	0.07	0.04	168
203068	Core Reject	3.90	0.672	1.56	3140	3.72	28.4	1113	2.3	6.4	282	3.16	4.9	0.2	453.5	0.6	317.7	0.15	0.07	0.23	98
203097	Core Reject	3.71	0.258	0.82	1277	2.37	13.6	374	3.8	2.9	199	1.09	4.1	0.2	269.9	0.8	126.1	0.07	0.10	0.06	55
203426	Core Reject	3.50	0.147	4.41	2148	3.69	33.2	664	3.7	25.5	232	3.85	3.9	0.2	86.7	0.4	2049	0.13	0.09	0.05	204
203245	Core Reject	3.96	0.467	1.66	2515	4.43	23.9	781	3.0	3.9	359	1.69	2.3	0.2	299.4	0.4	120.1	0.13	0.25	0.15	67
203278	Core Reject	3.95	0.139	3.26	1124	3.97	27.8	379	1.9	8.1	192	3.62	1.9	0.2	52.2	0.5	215.5	0.14	<0.02	<0.02	138
203527	Core Reject	3.51	0.119	2.36	1620	3.50	30.6	425	3.0	15.9	1425	3.75	2.8	0.3	68.9	0.6	84.8	0.11	0.28	0.04	116
203090	Rock Pulp	0.08	0.302	448.7	3003	9.13	62.7	1788	21.5	18.5	629	4.32	42.1	0.4	195.6	1.1	119.0	0.87	2.55	0.31	80
203734	Core Reject	3.32	0.242	0.49	1847	2.35	26.9	587	5.4	14.8	806	5.21	3.9	0.6	235.9	1.1	42.6	0.09	2.19	0.07	130
203867	Core Reject	3.71	0.167	24.28	3412	2.34	14.5	888	3.7	10.6	273	1.95	1.6	0.2	136.6	0.5	836.3	0.06	<0.02	0.05	87
204165	Core Reject	3.79	0.138	13.81	1085	9.48	83.6	533	3.6	18.6	506	5.05	6.9	0.5	88.4	1.2	64.8	0.41	0.07	0.16	120
204212	Core Reject	3.79	0.453	5.54	2992	9.68	134.4	1230	11.2	21.2	568	6.11	2.3	0.3	333.1	1.4	84.9	0.70	0.05	0.09	197
204273	Core Reject	3.79	0.138	72.84	992.8	14.89	180.0	982	9.2	20.8	1369	5.92	18.2	1.1	102.6	1.5	126.0	0.91	4.44	0.33	128
204111	Core Reject	3.98	0.083	0.86	662.1	15.27	74.4	3553	20.3	262.0	4634	5.59	51.8	0.5	39.0	0.3	59.9	0.50	4.94	1.57	28
204349	Core Reject	5.03	0.500	3.11	1966	7.26	85.5	1498	4.6	28.4	962	4.14	16.2	0.9	416.0	1.3	28.2	0.27	0.79	0.37	52
203230	Rock Pulp	0.08	1.158	283.8	4722	20.80	196.7	1898	41.0	26.0	365	4.44	8.0	0.3	742.8	0.6	37.1	1.15	4.78	0.38	77
204375	Core Reject	3.60	0.220	4.36	1902	3.45	43.3	995	3.2	16.6	584	3.60	8.6	0.4	146.4	1.4	36.8	0.12	0.19	1.84	42
204326	Core Reject	4.35	0.184	2.62	2507	3.33	69.9	743	13.7	68.2	929	5.27	26.7	0.3	178.9	1.3	94.1	0.07	0.11	0.94	131
204348	Core Reject	3.59	0.618	4.21	1838	30.10	116.4	940	6.4	11.1	1052	3.91	32.5	0.3	720.7	1.6	97.1	0.54	0.51	0.10	66
204703	Core Reject	4.81	0.634	3.67	3668	7.59	88.0	1168	3.1	9.9	900	4.42	4.6	0.5	460.5	1.4	28.6	0.37	0.20	0.27	47
204726	Core Reject	4.27	0.810	4.95	4160	9.58	94.7	1385	2.6	10.7	543	5.68	29.9	0.3	743.1	1.3	37.3	0.38	0.33	0.38	43
204789	Core Reject	5.94	0.367	6.15	2509	14.24	756.8	943	2.5	13.2	935	3.81	29.1	0.4	319.1	1.3	51.3	5.34	0.41	0.12	73
204547	Core Reject	3.47	0.177	2.97	1402	5.19	87.4	592	2.3	10.9	666	3.00	45.7	0.7	85.1	1.6	38.5	0.13	0.29	0.13	59
203690	Rock Pulp	0.08	0.345	468.9	3091	8.91	67.2	2014	21.8	18.7	648	4.44	42.4	0.4	236.0	1.1	123.9	0.90	2.58	0.29	83
204571	Core Reject	4.13	0.346	4.69	1750	10.42	110.7	649	2.2	8.3	434	2.41	23.1	3.9	232.7	1.7	69.7	0.42	0.06	0.15	56
204618	Core Reject	4.04	0.627	10.20	1109	5.30	68.1	574	2.9	18.1	806	4.69	9.1	0.6	468.8	1.1	72.3	0.28	0.09	0.40	71
205007	Core Reject	5.87	0.148	1.50	1847	2.85	25.2	446	3.3	7.6	270	1.96	40.0	0.6	99.2	2.1	39.4	0.07	0.24	0.10	52
204815	Core Reject	3.77	0.211	5.35	2251	7.42	45.9	472	2.5	7.1	270	2.91	6.7	0.7	232.5	2.6	36.1	0.22	0.03	0.09	59
204841	Core Reject	4.04	0.227	8.68	2501	6.58	41.7	450	2.1	8.1	257	2.52	20.6	1.4	234.2	3.0	34.6	0.23	0.27	0.09	49
205248	Core Reject	5.33	0.178	5.62	463.3	9.77	37.2	1209	2.1	4.5	411	2.03	13.2	1.3	101.2	1.8	61.5	0.09	0.27	0.14	56

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Project: Woodjam North
 Report Date: February 07, 2011

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CERTIFICATE OF ANALYSIS

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Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	7TD	
Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	TI	S	Hg	Se	Te	Ga	Cu	
Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	
MDL	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.001	
203029	Core Reject	1.65	0.083	2.7	5.8	0.55	23.4	0.086	<20	2.29	0.280	0.08	<0.1	2.8	<0.02	0.25	11	1.1	0.03	5.3	N.A.
203068	Core Reject	1.58	0.105	3.0	4.7	0.56	101.5	0.078	<20	1.81	0.157	0.12	<0.1	1.6	0.03	0.27	<5	1.9	0.09	4.7	N.A.
203097	Core Reject	2.03	0.167	3.7	4.8	0.73	31.5	0.055	<20	2.00	0.138	0.05	<0.1	1.9	<0.02	0.12	<5	1.0	0.04	3.8	N.A.
203426	Core Reject	3.11	0.089	3.0	4.7	1.47	112.4	0.140	<20	5.47	0.452	0.40	<0.1	12.8	0.11	2.37	<5	4.3	0.04	10.8	N.A.
203245	Core Reject	3.12	0.097	3.1	6.2	0.74	77.2	0.030	<20	2.41	0.218	0.14	<0.1	4.8	0.02	0.29	<5	2.0	0.05	4.5	N.A.
203278	Core Reject	2.32	0.103	3.4	4.7	0.36	50.8	0.095	<20	3.53	0.524	0.11	<0.1	1.6	<0.02	0.19	<5	0.8	<0.02	7.7	N.A.
203527	Core Reject	2.16	0.088	3.7	5.0	1.48	210.2	0.094	<20	2.18	0.053	0.50	<0.1	8.9	0.10	0.47	<5	1.1	0.05	6.4	N.A.
203090	Rock Pulp	4.00	0.102	8.2	24.4	1.23	54.2	0.005	<20	1.30	0.069	0.19	2.0	6.7	0.07	1.66	189	5.6	0.17	5.2	N.A.
203734	Core Reject	1.78	0.130	6.4	12.6	1.30	113.5	0.064	<20	1.70	0.041	0.29	<0.1	8.1	0.07	1.05	13	1.9	0.17	7.9	N.A.
203867	Core Reject	3.16	0.101	3.9	5.2	0.58	119.8	0.016	<20	3.71	0.271	0.16	<0.1	3.2	<0.02	0.61	7	2.5	0.05	5.1	N.A.
204165	Core Reject	0.67	0.080	3.1	2.8	1.46	49.6	0.121	<20	1.85	0.105	0.13	0.2	5.1	0.05	2.14	<5	2.7	0.18	6.6	N.A.
204212	Core Reject	1.31	0.077	3.5	10.8	1.11	124.0	0.151	<20	1.48	0.144	0.41	<0.1	6.0	0.09	0.83	5	1.9	0.07	6.8	N.A.
204273	Core Reject	1.86	0.081	6.3	10.0	0.69	131.4	0.076	<20	1.23	0.196	0.17	<0.1	7.9	0.13	0.32	10	0.5	0.06	4.9	N.A.
204111	Core Reject	6.47	0.092	5.4	2.2	0.49	13.2	<0.001	<20	0.58	0.008	0.26	<0.1	5.7	0.08	3.47	34	4.1	1.43	1.1	N.A.
204349	Core Reject	2.44	0.078	6.0	4.6	1.03	67.0	0.004	<20	1.01	0.027	0.09	<0.1	4.9	<0.02	1.49	5	1.9	0.88	5.0	N.A.
203230	Rock Pulp	1.27	0.059	2.4	55.7	1.27	83.1	0.142	<20	2.06	0.123	0.24	8.4	4.9	0.33	1.98	82	2.7	0.21	5.7	N.A.
204375	Core Reject	2.58	0.086	7.1	3.3	0.57	57.2	0.003	<20	0.81	0.056	0.11	<0.1	5.1	0.02	2.17	7	1.7	2.03	3.8	N.A.
204326	Core Reject	2.10	0.082	3.9	8.0	1.79	39.0	0.013	<20	2.19	0.114	0.13	<0.1	9.7	0.05	1.92	14	1.9	0.63	8.2	N.A.
204348	Core Reject	2.70	0.067	4.4	7.0	0.48	41.8	0.003	<20	0.79	0.127	0.09	<0.1	6.8	<0.02	0.25	33	1.0	0.03	3.0	N.A.
204703	Core Reject	0.64	0.072	3.4	3.5	0.58	161.8	0.007	<20	0.47	0.041	0.08	<0.1	5.8	<0.02	0.26	<5	1.8	0.07	2.8	N.A.
204726	Core Reject	0.70	0.036	4.2	3.9	0.52	439.9	0.003	<20	0.35	0.050	0.11	<0.1	2.8	0.03	0.31	9	2.0	0.06	2.5	N.A.
204789	Core Reject	1.58	0.071	4.4	2.1	0.89	53.3	0.011	<20	0.93	0.077	0.05	<0.1	5.2	<0.02	0.72	<5	1.7	0.14	3.8	N.A.
204547	Core Reject	1.10	0.086	8.0	2.8	1.07	68.2	0.006	<20	1.41	0.042	0.10	<0.1	3.6	0.03	0.46	<5	1.2	0.20	5.9	N.A.
203690	Rock Pulp	4.11	0.109	8.1	24.6	1.28	53.1	0.005	<20	1.31	0.073	0.19	2.9	7.0	0.07	1.71	183	5.4	0.23	5.1	N.A.
204571	Core Reject	1.70	0.080	7.3	3.0	0.96	191.6	0.029	<20	1.19	0.062	0.28	<0.1	4.8	0.07	0.27	5	1.4	0.07	4.6	N.A.
204618	Core Reject	3.30	0.082	9.5	2.6	0.67	95.5	0.009	<20	0.95	0.079	0.12	<0.1	5.8	<0.02	1.24	<5	0.9	0.36	4.3	N.A.
205007	Core Reject	1.25	0.065	5.4	6.0	0.80	194.7	0.047	<20	1.04	0.084	0.29	<0.1	3.8	0.08	0.25	<5	1.4	0.06	4.2	N.A.
204815	Core Reject	0.55	0.055	3.7	5.6	0.77	147.9	0.076	<20	0.87	0.086	0.43	<0.1	4.6	0.11	0.20	<5	2.2	0.03	4.3	N.A.
204841	Core Reject	0.93	0.059	6.9	4.9	0.71	110.0	0.027	<20	0.71	0.067	0.18	<0.1	3.3	0.04	0.46	7	3.0	0.02	3.6	N.A.
205248	Core Reject	1.58	0.059	5.7	6.4	0.47	81.3	0.033	<20	0.79	0.057	0.11	0.1	2.0	0.02	<0.02	6	0.5	0.13	3.7	N.A.

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Project: Woodjam North
Report Date: February 07, 2011

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CERTIFICATE OF ANALYSIS

VAN11000317.2

Method	WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.005	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	
205677	Core Reject	3.97	0.348	6.05	2387	1.59	8.2	151	1.9	4.8	100	1.59	19.0	2.1	320.3	4.7	56.8	0.03	0.17	0.02	46
204070	Rock Pulp	0.08	1.255	294.1	4934	22.60	200.8	1990	40.1	26.6	381	4.53	8.3	0.3	817.4	0.6	37.9	1.20	5.22	0.41	78
205739	Core Reject	4.66	0.491	0.53	5079	1.56	12.8	2067	2.7	4.6	176	1.59	6.1	1.2	1036	2.0	39.6	0.11	4.82	0.38	58
205951	Core Reject	5.02	0.174	7.44	812.7	11.03	132.6	641	3.2	11.2	1715	2.67	201.4	0.3	100.5	1.5	175.1	2.83	0.29	0.10	61
206054	Core Reject	6.18	0.128	8.49	518.3	41.46	301.9	562	7.0	30.0	465	4.59	112.1	0.5	44.9	1.4	63.6	2.75	0.60	0.70	52
206083	Core Reject	5.04	0.412	2.71	5310	36.84	292.1	2153	3.1	9.0	1205	3.65	586.5	0.5	306.7	1.7	49.4	1.72	1.09	0.39	66
206109	Core Reject	4.20	0.252	4.49	3400	6.18	96.8	848	4.0	11.6	775	3.76	584.5	0.3	192.8	1.3	53.6	0.36	0.30	0.22	67
206131	Core Reject	4.45	0.287	2.91	2185	4.24	121.0	733	2.8	9.4	863	4.39	186.2	0.4	307.3	1.4	51.2	0.16	0.12	0.83	82
206167	Core Reject	4.01	0.102	6.97	1330	20.92	195.1	1290	3.0	14.4	547	4.15	23.4	0.5	115.2	1.3	51.1	1.31	0.57	0.51	81
204230	Rock Pulp	0.08	0.348	461.4	3195	8.37	69.1	1930	22.5	19.3	682	4.55	49.8	0.4	410.6	1.0	140.2	1.30	1.98	0.33	83
206234	Core Reject	4.49	0.343	4.12	1542	16.03	498.6	758	3.3	15.0	1109	4.48	22.5	0.9	357.3	2.1	66.5	2.93	0.31	0.07	78
206318	Core Reject	4.57	0.342	3.61	1652	4.10	119.1	749	3.7	10.1	801	4.05	7.1	0.4	353.7	1.5	39.5	0.35	0.16	0.15	78
206377	Core Reject	2.08	0.177	3.65	1499	22.43	177.7	594	2.5	9.0	391	4.17	4.1	0.3	130.8	1.2	47.9	1.39	0.03	0.04	111
206402	Core Reject	2.96	1.129	8.55	4184	22.45	363.7	1007	3.0	15.2	610	4.67	42.4	0.2	1073	1.1	47.3	2.71	0.19	0.14	63
206457	Core Reject	3.72	0.137	53.13	800.1	244.6	1147	5960	2.7	13.4	714	3.03	113.2	0.6	47.0	1.0	118.5	7.98	6.50	0.13	36
937048	Core Reject	3.77	1.104	21.18	582.0	49.94	175.2	12526	12.8	43.0	>10000	6.34	169.0	2.0	480.3	5.6	164.9	2.65	16.26	14.68	37
937313	Core Reject	4.45	0.059	0.37	5026	11.73	56.0	2473	1.8	46.7	902	5.37	10.7	0.3	38.2	0.4	156.6	0.33	0.74	3.90	70
204630	Rock Pulp	0.08	0.239	154.4	1831	19.47	64.5	1836	16.7	17.2	377	3.88	27.6	3.8	157.0	8.6	68.8	1.04	2.88	2.25	53
937431	Core Reject	3.15	0.248	5.90	2870	8.15	86.4	841	4.6	16.8	501	3.65	2.6	0.1	273.1	0.7	464.4	0.34	0.10	0.09	109
937857	Core Reject	2.38	0.677	84.21	538.3	829.6	649.4	43936	4.7	163.8	1525	5.11	183.6	0.2	595.5	0.4	19.7	6.69	14.72	5.04	17
938146	Core Reject	3.33	0.568	3.20	3273	16.66	300.6	1953	1.3	27.8	1880	4.69	101.3	0.4	4469	0.6	59.0	3.45	18.86	0.30	23
938213	Core Reject	3.55	0.170	8.56	3691	5.61	31.0	418	2.4	11.5	479	2.03	31.8	0.4	135.1	2.2	36.3	0.41	0.21	0.05	51
938349	Core Reject	6.76	0.128	58.41	487.1	83.95	150.8	3066	7.9	20.2	1176	4.90	25.6	0.3	106.3	0.9	51.5	0.73	1.45	0.82	76
938498	Core Reject	2.56	0.625	9.43	2108	2.67	94.9	1977	7.3	15.4	845	4.26	106.2	0.6	495.4	1.4	103.7	0.18	0.20	0.43	86
938958	Core Reject	1.85	0.251	3.34	>10000	579.8	2313	13442	11.8	67.8	2100	6.47	888.3	1.9	124.6	1.3	79.5	32.43	11.62	6.69	83
206090	Rock Pulp	0.08	0.333	431.4	3120	8.44	67.1	1872	22.5	18.2	672	4.48	50.6	0.4	229.3	0.9	132.2	1.28	2.20	0.33	81
939016	Core Reject	4.07	0.219	13.28	1035	2.56	49.0	353	6.4	15.1	740	4.32	38.5	0.4	151.6	1.3	77.1	0.15	0.33	0.18	100
939038	Core Reject	4.56	0.787	9.69	3332	5.70	76.1	1255	5.4	13.5	725	5.25	133.7	0.4	756.3	1.4	46.7	0.43	0.68	0.14	110
939056	Core Reject	1.78	0.134	7.56	8555	3.16	69.4	4207	9.9	114.2	1468	5.73	106.3	0.6	75.8	0.9	46.4	0.56	0.42	4.98	93
939257	Core Reject	6.40	0.137	119.9	1055	576.1	761.6	6755	10.5	36.3	2218	3.44	175.3	0.3	147.8	0.9	165.8	10.82	7.71	0.34	69

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Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cu	
Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	
MDL	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.001	
205677	Core Reject	0.63	0.051	4.1	6.1	0.40	58.8	0.090	<20	0.55	0.088	0.20	<0.1	2.0	0.08	0.22	5	2.2	0.13	3.0	N.A.
204070	Rock Pulp	1.28	0.061	2.5	56.7	1.27	82.3	0.145	<20	2.10	0.125	0.24	9.9	4.8	0.33	1.99	85	3.1	0.24	5.7	N.A.
205739	Core Reject	0.35	0.055	5.4	6.0	0.48	117.2	0.093	<20	0.71	0.089	0.20	<0.1	2.6	0.03	0.08	6	2.6	0.28	2.8	N.A.
205951	Core Reject	1.19	0.086	6.4	3.6	0.81	4668	0.041	<20	0.95	0.039	0.36	<0.1	8.2	0.11	0.11	9	1.0	0.03	3.4	N.A.
206054	Core Reject	2.56	0.099	7.1	6.9	1.11	45.9	0.001	<20	0.92	0.068	0.25	<0.1	4.4	0.20	4.71	33	5.7	0.44	2.2	N.A.
206083	Core Reject	1.90	0.084	7.4	2.8	0.79	75.8	0.002	<20	0.45	0.042	0.09	<0.1	7.0	0.03	0.37	30	2.8	0.16	1.8	N.A.
206109	Core Reject	1.65	0.091	6.5	2.7	0.98	45.8	0.012	<20	0.69	0.073	0.18	<0.1	6.0	0.05	0.28	<5	2.7	0.09	2.5	N.A.
206131	Core Reject	1.38	0.081	5.4	1.5	0.92	32.9	0.001	<20	0.39	0.071	0.06	<0.1	7.8	<0.02	0.14	<5	1.7	0.09	1.8	N.A.
206167	Core Reject	1.60	0.096	6.6	2.7	0.92	221.6	0.015	<20	1.26	0.060	0.22	<0.1	4.7	0.08	0.79	11	1.0	0.60	5.6	N.A.
204230	Rock Pulp	4.39	0.116	8.2	25.5	1.30	78.3	0.005	<20	1.43	0.078	0.21	2.3	7.8	0.08	1.77	192	6.7	0.18	5.5	N.A.
206234	Core Reject	2.48	0.153	9.3	4.3	0.90	56.3	0.004	<20	1.09	0.086	0.08	<0.1	5.8	<0.02	1.15	5	1.8	0.62	5.0	N.A.
206318	Core Reject	1.63	0.092	6.3	3.4	0.96	609.9	0.003	<20	1.15	0.046	0.09	<0.1	6.2	<0.02	0.09	<5	1.1	0.03	6.2	N.A.
206377	Core Reject	0.84	0.086	3.7	4.0	0.72	52.4	0.097	<20	0.64	0.133	0.08	0.3	2.7	<0.02	0.16	<5	0.3	<0.02	3.4	N.A.
206402	Core Reject	1.81	0.073	3.1	3.4	0.85	53.3	0.003	<20	0.92	0.067	0.05	<0.1	7.2	0.03	1.05	<5	4.7	0.09	5.7	N.A.
206457	Core Reject	3.00	0.088	7.3	1.2	0.82	49.8	<0.001	<20	0.64	0.050	0.21	<0.1	3.0	0.14	1.13	34	2.5	<0.02	1.7	N.A.
937048	Core Reject	6.52	0.107	41.4	3.3	0.53	96.3	0.002	<20	1.57	0.030	0.21	<0.1	5.8	0.30	0.62	149	0.4	0.14	5.0	N.A.
937313	Core Reject	5.43	0.094	5.9	9.6	0.67	101.2	0.012	<20	2.43	0.010	0.45	<0.1	12.0	0.09	1.83	<5	1.3	2.67	7.4	N.A.
204630	Rock Pulp	1.78	0.070	16.4	59.8	0.83	63.7	0.031	<20	1.40	0.052	0.51	1.5	6.0	0.30	1.78	89	2.7	0.35	4.7	N.A.
937431	Core Reject	2.19	0.098	5.8	6.1	1.84	310.2	0.168	<20	4.26	0.271	0.70	<0.1	9.8	0.20	0.79	<5	1.9	0.04	10.4	N.A.
937857	Core Reject	2.92	0.110	1.6	2.1	0.03	7.4	0.001	<20	0.32	0.005	0.27	0.2	1.1	0.26	5.53	852	4.8	2.50	0.9	N.A.
938146	Core Reject	2.13	0.071	4.9	1.6	0.84	99.2	0.004	<20	0.39	0.029	0.21	0.7	1.9	0.09	0.72	25	0.8	<0.02	1.4	N.A.
938213	Core Reject	0.79	0.059	7.5	4.1	0.60	168.8	0.011	<20	0.77	0.062	0.17	<0.1	4.2	0.06	0.10	<5	1.4	0.16	3.4	N.A.
938349	Core Reject	3.39	0.101	5.1	2.7	0.38	38.4	0.002	<20	0.54	0.033	0.22	<0.1	6.4	0.17	3.43	33	2.3	2.21	1.6	N.A.
938498	Core Reject	0.85	0.089	5.2	5.6	1.33	103.9	0.001	<20	2.10	0.091	0.12	0.2	6.4	0.04	1.60	21	2.8	0.60	7.0	N.A.
938958	Core Reject	0.93	0.087	5.5	6.3	1.21	21.3	0.001	<20	1.87	0.064	0.13	<0.1	10.1	0.06	2.36	1782	3.9	3.10	6.8	1.489
206090	Rock Pulp	4.25	0.113	8.1	24.7	1.29	92.4	0.005	<20	1.34	0.075	0.19	2.6	7.9	0.07	1.75	175	6.4	0.19	5.5	N.A.
939016	Core Reject	1.32	0.087	4.9	6.1	0.75	72.5	0.042	<20	1.20	0.143	0.08	<0.1	7.6	<0.02	0.52	7	0.6	0.20	4.6	N.A.
939038	Core Reject	1.57	0.077	4.3	6.6	0.46	117.3	0.061	<20	0.63	0.098	0.06	<0.1	7.3	<0.02	0.45	8	2.3	0.12	3.9	N.A.
939056	Core Reject	1.56	0.076	5.4	6.1	1.52	111.8	0.004	<20	2.02	0.049	0.12	<0.1	9.4	0.05	1.95	25	2.2	2.25	7.2	N.A.
939257	Core Reject	6.09	0.076	6.5	5.0	1.13	74.5	0.001	<20	0.98	0.134	0.17	<0.1	9.6	0.22	1.01	450	2.0	0.07	2.7	N.A.

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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 400 - 1155 Robson Street
 Vancouver BC V6E 1B5 Canada

Project: Woodjam North
Report Date: February 07, 2011

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CERTIFICATE OF ANALYSIS

VAN11000317.2

Method	WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.005	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	
939342	Core Reject	7.87	0.304	2.99	1144	2.22	46.9	365	8.2	17.2	514	6.13	6.2	0.2	228.9	0.8	80.7	0.10	0.13	0.06	154



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CERTIFICATE OF ANALYSIS

VAN11000317.2

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	7TD	
Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cu	
Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	
MDL	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.001	
939342	Core Reject	1.47	0.096	2.8	7.2	1.26	102.7	0.187	<20	1.76	0.220	0.30	0.1	5.0	0.03	0.46	<5	0.7	<0.02	6.7	N.A.



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QUALITY CONTROL REPORT

VAN11000317.2

Method	WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.005	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	
Pulp Duplicates																					
204789	Core Reject	5.94	0.367	6.15	2509	14.24	756.8	943	2.5	13.2	935	3.81	29.1	0.4	319.1	1.3	51.3	5.34	0.41	0.12	73
REP 204789	QC			5.92	2503	14.74	773.9	924	2.6	12.3	935	3.75	29.1	0.4	286.8	1.3	51.1	5.35	0.41	0.13	71
206167	Core Reject	4.01	0.102	6.97	1330	20.92	195.1	1290	3.0	14.4	547	4.15	23.4	0.5	115.2	1.3	51.1	1.31	0.57	0.51	81
REP 206167	QC		0.113																		
206377	Core Reject	2.08	0.177	3.65	1499	22.43	177.7	594	2.5	9.0	391	4.17	4.1	0.3	130.8	1.2	47.9	1.39	0.03	0.04	111
REP 206377	QC			3.92	1501	23.19	179.7	618	2.4	8.7	391	4.15	3.8	0.3	130.6	1.3	47.7	1.40	0.03	0.04	111
937313	Core Reject	4.45	0.059	0.37	5026	11.73	56.0	2473	1.8	46.7	902	5.37	10.7	0.3	38.2	0.4	156.6	0.33	0.74	3.90	70
REP G937313	QC		0.051																		
938958	Core Reject	1.85	0.251	3.34	>10000	579.8	2313	13442	11.8	67.8	2100	6.47	888.3	1.9	124.6	1.3	79.5	32.43	11.62	6.69	83
REP 938958	QC																				
Reference Materials																					
STD DS8	Standard			12.37	109.6	117.2	315.2	1513	37.6	7.6	607	2.41	24.3	2.9	104.5	6.8	65.0	2.31	4.24	6.65	39
STD DS8	Standard			13.22	107.5	119.2	307.1	1479	37.2	7.6	587	2.37	23.7	2.6	96.2	6.5	63.5	2.21	4.04	6.25	39
STD DS8	Standard			14.09	106.1	114.4	310.7	1734	38.2	7.7	615	2.47	26.7	2.4	95.1	6.1	68.3	2.39	4.20	6.28	40
STD DS8	Standard			12.94	109.4	105.8	320.3	1633	37.8	7.6	625	2.51	27.5	2.3	94.8	5.8	65.7	2.45	4.19	6.20	41
STD OREAS131A	Standard																				
STD OREAS131B	Standard																				
STD OREAS45PA	Standard		0.83	590.1	19.00	103.2	290	296.8	104.9	1120	15.35	3.8	1.1	39.5	6.7	13.6	0.09	0.08	0.17	213	
STD OREAS45PA	Standard		0.78	622.1	18.28	122.8	308	307.7	109.4	1162	17.09	4.3	1.1	46.3	6.4	15.6	0.12	0.07	0.18	226	
STD OXH66	Standard		1.395																		
STD OXH66	Standard		1.284																		
STD OXH66	Standard		1.365																		
STD OXK79	Standard		3.502																		
STD OXK79	Standard		3.419																		
STD R4T	Standard																				
STD OXK79 Expected			3.532																		
STD OXH66 Expected			1.285																		
STD OREAS45PA Expected			0.9	600	19	119	300	281	104	1130	16.559	4.2	1.2	43	6	14	0.09	0.13	0.18	221	



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Project: Woodjam North
 Report Date: February 07, 2011

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QUALITY CONTROL REPORT

VAN11000317.2

Method		1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	7TD	
Analyte		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cu
Unit		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
MDL		0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.001
Pulp Duplicates																					
204789	Core Reject	1.58	0.071	4.4	2.1	0.89	53.3	0.011	<20	0.93	0.077	0.05	<0.1	5.2	<0.02	0.72	<5	1.7	0.14	3.8	N.A.
REP 204789	QC	1.56	0.070	4.3	2.2	0.89	53.3	0.011	<20	0.92	0.078	0.05	<0.1	5.2	<0.02	0.72	<5	1.7	0.17	3.8	
206167	Core Reject	1.60	0.096	6.6	2.7	0.92	221.6	0.015	<20	1.26	0.060	0.22	<0.1	4.7	0.08	0.79	11	1.0	0.60	5.6	N.A.
REP 206167	QC																				
206377	Core Reject	0.84	0.086	3.7	4.0	0.72	52.4	0.097	<20	0.64	0.133	0.08	0.3	2.7	<0.02	0.16	<5	0.3	<0.02	3.4	N.A.
REP 206377	QC	0.83	0.086	3.7	4.1	0.72	51.1	0.096	<20	0.65	0.133	0.08	0.3	2.8	<0.02	0.16	<5	0.5	0.04	3.6	
937313	Core Reject	5.43	0.094	5.9	9.6	0.67	101.2	0.012	<20	2.43	0.010	0.45	<0.1	12.0	0.09	1.83	<5	1.3	2.67	7.4	N.A.
REP G937313	QC																				
938958	Core Reject	0.93	0.087	5.5	6.3	1.21	21.3	0.001	<20	1.87	0.064	0.13	<0.1	10.1	0.06	2.36	1782	3.9	3.10	6.8	1.489
REP 938958	QC																				1.448
Reference Materials																					
STD DS8	Standard	0.69	0.076	14.3	116.6	0.61	267.8	0.117	<20	0.91	0.081	0.41	2.4	2.1	5.16	0.16	181	5.0	4.70	4.6	
STD DS8	Standard	0.68	0.077	13.9	112.5	0.60	266.6	0.120	<20	0.90	0.083	0.41	2.2	2.2	5.00	0.15	182	4.9	4.66	4.3	
STD DS8	Standard	0.70	0.080	14.6	114.6	0.61	294.6	0.113	<20	0.94	0.087	0.42	3.0	2.4	5.41	0.16	164	5.2	4.98	4.6	
STD DS8	Standard	0.73	0.080	14.1	114.8	0.63	300.1	0.113	<20	0.97	0.086	0.43	2.6	2.6	5.30	0.17	182	5.1	4.89	4.8	
STD OREAS131A	Standard																				0.033
STD OREAS131B	Standard																				0.020
STD OREAS45PA	Standard	0.23	0.029	16.6	725.7	0.11	175.9	0.129	<20	3.42	0.011	0.07	<0.1	42.2	0.06	<0.02	34	0.2	0.08	16.3	
STD OREAS45PA	Standard	0.24	0.033	17.0	785.4	0.10	198.4	0.122	<20	3.54	0.011	0.07	<0.1	48.0	0.08	0.02	35	0.7	0.04	17.1	
STD OXH66	Standard																				
STD OXH66	Standard																				
STD OXH66	Standard																				
STD OXK79	Standard																				
STD OXK79	Standard																				
STD R4T	Standard																				0.504
STD OXK79 Expected																					
STD OXH66 Expected																					
STD OREAS45PA Expected		0.2411	0.034	16.2	873	0.095	187	0.124		3.34	0.011	0.0665	0.011	43	0.07	0.03	30	0.54		16.8	



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QUALITY CONTROL REPORT

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		WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F		
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
		kg	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
		0.01	0.005	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	
STD DS8 Expected				13.44	110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	4.8	6.67	41.1	
STD R4T Expected																						
STD OREAS131A Expected																						
STD OREAS131B Expected																						
BLK	Blank		<0.005																			
BLK	Blank		0.005																			
BLK	Blank		0.006																			
BLK	Blank		<0.005																			
BLK	Blank		<0.005																			
BLK	Blank			<0.01	0.03	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	
BLK	Blank			<0.01	0.27	<0.01	0.2	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	
BLK	Blank																					
Prep Wash																						
G1	Prep Blank	<0.01	0.009	0.52	2.61	3.50	47.2	14	4.0	6.0	588	2.03	6.9	1.7	1.8	5.3	65.3	0.01	<0.02	0.05	35	
G1	Prep Blank	<0.01	0.018	0.11	1.99	4.15	47.4	17	3.7	4.4	554	1.96	0.9	1.8	0.4	5.0	59.7	0.02	0.03	14.39	35	



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QUALITY CONTROL REPORT

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		1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	7TD		
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cu	
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	
		0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.001	
STD DS8 Expected		0.7	0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7		
STD R4T Expected																					0.502	
STD OREAS131A Expected																						0.0322
STD OREAS131B Expected																						0.0216
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank																					
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1		
BLK	Blank																					<0.001
Prep Wash																						
G1	Prep Blank	0.51	0.070	11.4	6.9	0.55	194.8	0.134	<20	1.06	0.089	0.49	<0.1	2.2	0.30	<0.02	7	0.1	<0.02	5.1	N.A.	
G1	Prep Blank	0.47	0.073	9.3	5.7	0.57	211.7	0.129	<20	1.02	0.073	0.50	<0.1	2.0	0.30	<0.02	6	<0.1	<0.02	4.8	N.A.	



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Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Gold Fields Horsefly
400 - 1155 Robson Street
Vancouver BC V6E 1B5 Canada

Submitted By: Julianne Madsen
Receiving Lab: Canada-Vancouver
Received: February 09, 2011
Report Date: February 23, 2011
Page: 1 of 4

CERTIFICATE OF ANALYSIS

VAN11000317R.1

CLIENT JOB INFORMATION

Project: Woodjam North
Shipment ID:
P.O. Number
Number of Samples: 70

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 90 days Invoice for Storage

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Gold Fields Horsefly
400 - 1155 Robson Street
Vancouver BC V6E 1B5
Canada

CC: Ross Sherlock

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Row 1: G601, 70, Lead Collection Fire - Assay Fusion - AAS Finish, 30, Completed, VAN

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. *** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



Acme Analytical Laboratories (Vancouver) Ltd.

1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

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Client: Gold Fields Horsefly
400 - 1155 Robson Street
Vancouver BC V6E 1B5 Canada

Project: Woodjam North
Report Date: February 23, 2011

Page: 2 of 4 Part 1

CERTIFICATE OF ANALYSIS

VAN11000317R.1

Table with 3 columns: ID, Method Analyte Unit MDL, and G6 Au ppm. Contains 30 rows of analytical data.



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Client: Gold Fields Horsefly
400 - 1155 Robson Street
Vancouver BC V6E 1B5 Canada

Project: Woodjam North
Report Date: February 23, 2011

Page: 3 of 4 Part 1

CERTIFICATE OF ANALYSIS

VAN11000317R.1

Table with 3 columns: Method, Analyte, Unit, MDL, G6, Au, ppm, 0.005. Rows include various sample IDs and results like 204815 Core Reject 0.197, 204841 Core Reject 0.164, etc.

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400 - 1155 Robson Street
Vancouver BC V6E 1B5 Canada

Project: Woodjam North
Report Date: February 23, 2011

Page: 4 of 4 **Part** 1

CERTIFICATE OF ANALYSIS

VAN11000317R.1

	Method	G6
	Analyte	Au
	Unit	ppm
	MDL	0.005
938958	Core Reject	0.319
206090	Rock Pulp	0.395
206857	Rock Pulp	0.230
939016	Core Reject	0.224
939038	Core Reject	0.962
939056	Core Reject	0.159
939257	Core Reject	0.114
939342	Core Reject	0.282
206858	Rock Pulp	1.345
206859	Rock Pulp	0.349



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400 - 1155 Robson Street
Vancouver BC V6E 1B5 Canada

Project: Woodjam North
Report Date: February 23, 2011

Page: 1 of 1 Part 1

QUALITY CONTROL REPORT

VAN11000317R.1

	Method Analyte Unit MDL	G6 Au ppm 0.005
Pulp Duplicates		
205248	Core Reject	0.143
REP 205248	QC	0.155
206377	Core Reject	0.150
REP 206377	QC	0.156
206858	Rock Pulp	1.345
REP 206858	QC	1.204
Reference Materials		
STD OXH82	Standard	1.312
STD OXH82	Standard	1.308
STD OXH82	Standard	1.234
STD OXK79	Standard	3.411
STD OXK79	Standard	3.469
STD OXK79 Expected		3.532
STD OXH82 Expected		1.278
BLK	Blank	<0.005
BLK	Blank	<0.005
BLK	Blank	0.005
BLK	Blank	<0.005
BLK	Blank	<0.005



Acme Analytical Laboratories (Vancouver) Ltd.
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Client: Gold Fields Horsefly
400 - 1155 Robson Street
Vancouver BC V6E 1B5 Canada

Submitted By: Julianne Madsen
Receiving Lab: Canada-Vancouver
Received: February 14, 2011
Report Date: February 28, 2011
Page: 1 of 4

CERTIFICATE OF ANALYSIS

VAN11000675.1

CLIENT JOB INFORMATION

Project: Woodjam North
Shipment ID:
P.O. Number
Number of Samples: 63

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
No Prep	63	Sorting of samples on arrival and labeling			VAN
WGHT	63	Weight of sample received		Completed	VAN
G601	63	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
1F01	63	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
7TD1	1	4-acid Digestion ICP-ES Finish	0.5	Completed	VAN

ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Gold Fields Horsefly
400 - 1155 Robson Street
Vancouver BC V6E 1B5
Canada

CC: Ross Sherlock



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. *** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Acme Analytical Laboratories (Vancouver) Ltd.

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 Phone (604) 253-3158 Fax (604) 253-1716

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Client: Gold Fields Horsefly
 400 - 1155 Robson Street
 Vancouver BC V6E 1B5 Canada

Project: Woodjam North
Report Date: February 28, 2011

Page: 2 of 4 **Part** 1

CERTIFICATE OF ANALYSIS

VAN11000675.1

Method	WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.005	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	
203029	Rock Pulp	0.22	0.126	5.21	1522	3.49	24.0	479	2.6	8.2	248	3.95	2.2	0.2	441.0	0.4	397.1	0.12	0.09	<0.02	161
203068	Rock Pulp	0.20	0.690	1.71	3351	3.55	30.6	1238	1.9	6.7	286	3.24	4.6	0.2	708.7	0.6	330.5	0.14	0.11	0.21	98
203097	Rock Pulp	0.21	0.238	0.79	1248	2.23	14.8	366	3.4	2.9	193	1.15	3.5	0.2	205.5	0.6	138.3	0.06	0.13	0.04	58
203245	Rock Pulp	0.20	0.508	1.62	2929	4.57	24.1	871	2.7	3.7	342	1.69	1.8	0.1	402.2	0.4	124.8	0.08	0.25	0.16	68
203278	Rock Pulp	0.24	0.134	3.53	1200	3.76	27.5	446	1.8	8.3	183	3.68	1.7	0.2	187.5	0.4	218.0	0.15	0.03	<0.02	136
203426	Rock Pulp	0.17	0.106	4.72	2123	3.83	33.0	691	3.8	27.7	234	3.93	4.1	0.2	80.4	0.4	2253	0.13	0.13	0.04	204
203527	Rock Pulp	0.25	0.101	2.20	1662	3.41	34.3	407	2.9	16.3	1508	3.90	2.8	0.3	70.6	0.6	85.7	0.12	0.19	0.04	128
203734	Rock Pulp	0.17	0.233	1.02	2007	2.54	32.3	625	5.7	16.3	868	5.99	5.0	0.6	252.5	1.2	46.3	0.12	0.91	0.08	158
203867	Rock Pulp	0.20	0.156	23.96	3542	2.51	14.3	837	3.5	10.8	275	2.06	1.4	0.2	185.6	0.5	864.8	0.06	<0.02	0.03	97
204111	Rock Pulp	0.21	0.138	0.96	661.7	16.02	78.1	4892	18.0	308.7	4581	5.54	57.0	0.5	107.3	0.2	60.1	0.55	2.17	1.78	31
206860	Rock Pulp	0.11	0.315	502.4	3370	9.83	75.8	2070	24.1	22.0	712	4.58	51.1	0.5	222.4	1.2	135.6	1.11	1.32	0.38	88
204165	Rock Pulp	0.19	0.145	15.33	1195	10.51	90.7	594	3.5	21.3	544	5.29	8.1	0.6	126.4	1.3	70.4	0.43	0.08	0.18	129
204212	Rock Pulp	0.17	0.482	6.09	3211	9.70	138.5	1338	11.2	22.9	571	6.42	2.4	0.3	418.1	1.4	82.2	0.68	0.03	0.10	211
204273	Rock Pulp	0.24	0.139	70.68	1054	14.83	187.1	984	9.5	22.3	1339	6.08	17.9	1.1	117.1	1.5	127.0	0.94	2.92	0.28	138
204326	Rock Pulp	0.22	0.199	2.83	2907	3.49	73.0	842	13.5	79.4	950	5.59	29.1	0.3	67.6	1.3	97.8	0.07	0.07	1.01	145
206865	Rock Pulp	0.11	0.281	471.5	3319	9.84	73.3	2048	23.7	20.1	687	4.60	49.5	0.5	225.2	1.1	135.7	1.06	1.34	0.36	89
204348	Rock Pulp	0.12	0.754	3.87	2045	29.25	132.0	1101	5.9	12.8	1160	4.34	35.3	0.4	577.8	1.7	99.4	0.66	0.32	0.11	80
204349	Rock Pulp	0.18	0.473	3.40	2103	7.24	94.8	906	4.6	18.3	818	4.32	14.7	0.9	414.8	1.5	27.5	0.26	0.13	0.27	64
204375	Rock Pulp	0.18	0.144	4.79	2061	2.53	37.0	1062	2.5	13.6	530	3.57	6.8	0.3	135.8	1.4	36.7	0.11	0.05	2.64	46
204547	Rock Pulp	0.20	0.144	2.68	1508	5.81	96.8	706	2.1	11.9	706	3.28	48.5	0.9	120.4	1.7	40.0	0.15	0.15	0.19	67
204571	Rock Pulp	0.22	0.299	4.80	1723	10.26	111.0	703	2.3	8.2	432	2.56	23.4	3.6	303.8	1.7	66.7	0.41	0.05	0.16	64
204618	Rock Pulp	0.20	0.528	10.01	1065	5.46	75.3	569	3.0	19.4	814	4.77	8.9	0.6	421.5	1.2	70.8	0.31	0.04	0.32	77
206861	Rock Pulp	0.11	1.288	292.6	5274	23.12	227.2	2248	45.3	30.2	405	4.70	9.5	0.3	1187	0.6	39.9	1.43	3.60	0.44	83
204703	Rock Pulp	0.21	0.707	3.57	3792	8.06	96.4	1316	3.1	10.5	936	4.76	5.1	0.5	954.1	1.4	29.0	0.35	0.17	0.26	51
204726	Rock Pulp	0.18	0.912	5.49	4357	9.36	104.0	1521	2.2	10.9	572	5.95	31.4	0.3	1083	1.4	34.6	0.42	0.25	0.36	46
204789	Rock Pulp	0.20	0.329	6.57	2696	15.41	857.2	1009	2.8	14.6	1026	4.06	36.5	0.4	257.0	1.4	50.3	6.47	0.31	0.14	77
204815	Rock Pulp	0.19	0.179	5.20	2270	7.43	44.2	469	2.5	7.5	271	3.14	6.7	0.7	141.6	2.5	34.8	0.24	0.06	0.09	64
204841	Rock Pulp	0.14	0.151	9.15	2622	6.71	44.4	447	2.5	9.3	275	2.85	20.1	1.4	110.0	2.9	38.7	0.25	0.25	0.09	55
206866	Rock Pulp	0.11	1.193	315.0	5144	23.68	228.4	2237	44.0	29.1	401	4.69	9.3	0.3	1427	0.7	37.7	1.28	3.88	0.44	84
205007	Rock Pulp	0.24	0.143	1.49	1951	3.25	26.5	533	3.4	8.0	295	2.20	46.3	0.6	141.6	2.1	42.7	0.10	0.22	0.12	59



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Client: **Gold Fields Horsefly**
400 - 1155 Robson Street
Vancouver BC V6E 1B5 Canada

Project: Woodjam North
Report Date: February 28, 2011

Page: 2 of 4 Part 2

CERTIFICATE OF ANALYSIS

VAN11000675.1

Method	Analyte	Unit	MDL	1F Ca	1F P	1F La	1F Cr	1F Mg	1F Ba	1F Ti	1F B	1F Al	1F Na	1F K	1F W	1F Sc	1F TI	1F S	1F Hg	1F Se	1F Te	1F Ga	7TD Cu
				%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
				0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.001
203029	Rock Pulp			1.60	0.089	2.6	5.7	0.54	22.8	0.071	<20	2.25	0.258	0.07	<0.1	2.6	<0.02	0.25	6	1.0	0.02	5.4	N.A.
203068	Rock Pulp			1.65	0.112	3.0	4.6	0.59	103.8	0.082	<20	1.92	0.177	0.11	<0.1	1.7	0.04	0.28	12	2.3	0.06	5.1	N.A.
203097	Rock Pulp			1.99	0.150	3.3	5.0	0.76	35.0	0.062	<20	2.10	0.151	0.05	<0.1	2.0	<0.02	0.13	<5	1.0	0.04	4.2	N.A.
203245	Rock Pulp			3.06	0.101	3.0	5.3	0.72	79.8	0.027	<20	2.51	0.227	0.10	<0.1	4.5	0.03	0.34	11	2.2	0.07	4.6	N.A.
203278	Rock Pulp			2.37	0.107	3.2	5.2	0.34	51.8	0.086	<20	3.54	0.577	0.10	<0.1	1.4	<0.02	0.20	6	0.7	<0.02	7.9	N.A.
203426	Rock Pulp			3.18	0.091	3.1	4.7	1.46	119.2	0.125	<20	5.53	0.478	0.40	<0.1	12.8	0.12	2.45	<5	4.8	0.10	10.8	N.A.
203527	Rock Pulp			2.26	0.091	3.6	4.6	1.58	224.0	0.110	<20	2.62	0.067	0.55	<0.1	9.5	0.12	0.50	9	1.1	0.04	7.0	N.A.
203734	Rock Pulp			1.97	0.143	7.0	13.7	1.44	156.1	0.071	<20	2.21	0.069	0.37	<0.1	9.9	0.09	1.03	10	1.9	0.16	9.5	N.A.
203867	Rock Pulp			3.25	0.112	3.9	4.7	0.63	126.7	0.019	<20	4.05	0.303	0.17	<0.1	3.3	<0.02	0.62	8	2.6	0.06	5.5	N.A.
204111	Rock Pulp			6.84	0.102	5.7	1.6	0.55	13.2	<0.001	<20	0.87	0.006	0.33	<0.1	6.4	0.11	3.59	39	4.4	2.02	1.5	N.A.
206860	Rock Pulp			4.43	0.118	9.2	26.8	1.39	43.7	0.005	<20	1.54	0.080	0.23	2.2	7.5	0.09	1.90	219	6.6	0.22	6.2	N.A.
204165	Rock Pulp			0.78	0.087	3.7	2.9	1.56	63.1	0.142	<20	2.08	0.142	0.14	0.2	5.9	0.07	2.26	15	3.0	0.21	7.5	N.A.
204212	Rock Pulp			1.29	0.082	3.5	11.3	1.20	135.8	0.148	<20	1.68	0.162	0.45	<0.1	6.5	0.09	0.91	10	1.8	0.05	7.3	N.A.
204273	Rock Pulp			1.95	0.082	6.1	11.2	0.78	129.3	0.079	<20	1.52	0.216	0.21	<0.1	7.5	0.14	0.38	15	0.7	0.08	5.6	N.A.
204326	Rock Pulp			2.26	0.085	4.2	9.0	1.94	45.4	0.015	<20	2.54	0.129	0.15	<0.1	10.4	0.03	2.16	22	2.4	0.75	9.0	N.A.
206865	Rock Pulp			4.47	0.119	9.1	25.6	1.39	51.0	0.005	<20	1.51	0.079	0.23	2.5	7.6	0.11	1.90	215	6.6	0.20	5.7	N.A.
204348	Rock Pulp			2.99	0.071	5.0	4.9	0.55	76.7	0.003	<20	1.05	0.141	0.11	<0.1	7.4	0.04	0.29	47	1.5	0.04	3.8	N.A.
204349	Rock Pulp			2.29	0.083	6.5	5.5	1.17	191.3	0.006	<20	1.32	0.041	0.11	<0.1	5.5	0.03	1.45	22	2.0	0.61	6.4	N.A.
204375	Rock Pulp			2.78	0.089	8.1	1.8	0.53	31.6	0.002	<20	0.90	0.065	0.12	<0.1	5.2	0.04	2.32	12	1.9	2.72	4.1	N.A.
204547	Rock Pulp			1.28	0.091	8.9	3.0	1.15	80.4	0.005	<20	1.53	0.050	0.11	<0.1	3.8	0.04	0.55	17	1.7	0.20	7.1	N.A.
204571	Rock Pulp			1.69	0.080	7.4	3.6	1.02	204.3	0.028	<20	1.39	0.072	0.30	<0.1	5.2	0.09	0.29	10	1.8	0.15	5.1	N.A.
204618	Rock Pulp			3.40	0.090	9.2	2.1	0.72	74.8	0.007	<20	1.17	0.083	0.14	<0.1	6.7	0.03	1.36	21	1.1	0.35	5.0	N.A.
206861	Rock Pulp			1.39	0.065	2.8	62.2	1.39	42.9	0.141	<20	2.24	0.130	0.27	9.7	5.6	0.40	2.13	92	3.7	0.20	6.7	N.A.
204703	Rock Pulp			0.66	0.076	3.8	3.2	0.60	197.0	0.007	<20	0.52	0.056	0.10	<0.1	6.1	0.02	0.27	288	2.1	0.11	3.2	N.A.
204726	Rock Pulp			0.71	0.039	4.4	3.5	0.54	544.7	0.002	<20	0.34	0.051	0.11	<0.1	2.7	0.04	0.33	40	2.2	0.07	2.6	N.A.
204789	Rock Pulp			1.71	0.077	5.0	2.8	0.98	62.0	0.010	<20	1.00	0.080	0.06	<0.1	5.5	<0.02	0.85	23	2.1	0.23	4.3	N.A.
204815	Rock Pulp			0.56	0.056	3.8	7.6	0.78	164.7	0.072	<20	0.95	0.097	0.45	<0.1	4.6	0.12	0.22	7	2.4	0.06	4.6	N.A.
204841	Rock Pulp			1.02	0.058	7.4	13.6	0.74	141.7	0.026	<20	0.86	0.105	0.23	<0.1	3.6	0.06	0.53	14	3.5	0.09	4.3	N.A.
206866	Rock Pulp			1.40	0.067	2.9	59.8	1.38	94.1	0.146	<20	2.21	0.136	0.26	9.4	5.6	0.39	2.15	99	3.5	0.23	6.6	N.A.
205007	Rock Pulp			1.37	0.069	6.3	10.2	0.85	227.1	0.049	<20	1.26	0.107	0.34	<0.1	4.1	0.10	0.27	8	1.8	0.10	5.3	N.A.

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **Gold Fields Horsefly**
 400 - 1155 Robson Street
 Vancouver BC V6E 1B5 Canada

Project: Woodjam North
 Report Date: February 28, 2011

Page: 3 of 4 Part 1

CERTIFICATE OF ANALYSIS

VAN11000675.1

Method	WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.005	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	
205248	Rock Pulp	0.19	0.156	5.04	468.6	9.27	37.3	1100	2.0	4.5	383	1.98	13.7	1.2	127.7	1.6	56.0	0.06	0.17	0.14	57
205677	Rock Pulp	0.25	0.288	6.43	2388	1.47	8.5	166	2.5	5.3	96	1.65	19.5	2.1	561.8	4.7	59.5	0.04	0.20	0.03	48
205739	Rock Pulp	0.23	0.402	0.89	5298	1.58	13.5	2139	2.7	4.8	172	1.74	7.6	1.2	349.4	2.2	37.5	0.10	4.18	0.38	65
205951	Rock Pulp	0.22	0.116	7.09	917.9	11.88	133.7	682	3.6	11.6	1713	2.73	186.3	0.3	100.4	1.6	176.8	2.61	0.18	0.08	63
206862	Rock Pulp	0.11	0.217	155.5	1806	21.93	64.6	1987	18.9	17.4	386	3.90	24.9	4.3	136.9	9.2	60.9	0.83	2.50	2.46	55
206054	Rock Pulp	0.18	0.119	9.34	534.7	56.34	263.3	694	7.0	30.0	444	4.63	106.8	0.6	115.1	1.6	54.0	2.46	0.44	0.69	57
206083	Rock Pulp	0.18	0.391	2.89	5594	37.67	299.4	2300	4.1	10.1	1172	3.73	591.8	0.6	339.7	1.8	42.8	2.02	1.03	0.41	72
206109	Rock Pulp	0.22	0.252	4.18	3510	6.90	104.0	948	4.2	12.5	769	3.82	615.4	0.3	198.4	1.5	50.6	0.33	0.27	0.23	72
206131	Rock Pulp	0.22	0.282	3.26	2230	4.50	122.6	714	3.0	10.2	850	4.54	168.3	0.4	220.5	1.6	45.8	0.15	0.10	0.79	89
206167	Rock Pulp	0.21	0.110	7.75	1399	23.83	198.4	1332	3.6	15.5	540	4.40	20.8	0.6	122.0	1.4	46.7	1.22	0.44	0.51	92
206867	Rock Pulp	0.11	0.214	151.9	1773	22.03	62.9	1997	18.4	18.5	373	3.88	24.6	4.0	232.1	9.1	59.7	0.83	2.48	2.28	55
206234	Rock Pulp	0.19	0.301	4.14	1602	16.77	507.9	719	3.3	15.3	1077	4.39	18.3	1.0	267.7	2.3	59.3	3.10	0.23	0.08	83
206318	Rock Pulp	0.18	0.266	3.30	1361	3.80	106.8	690	3.1	8.6	694	3.52	5.8	0.4	234.7	1.4	32.3	0.29	0.25	0.14	68
206377	Rock Pulp	0.23	0.147	3.49	1426	24.47	177.2	588	2.2	8.1	352	3.85	3.2	0.3	123.9	1.2	42.2	1.43	0.04	0.04	101
206402	Rock Pulp	0.23	1.183	6.21	3785	22.18	326.2	1067	3.1	14.6	531	4.12	35.8	0.2	1646	1.1	41.3	2.42	0.29	0.13	56
206457	Rock Pulp	0.20	0.116	50.37	735.0	228.9	1107	5116	2.6	12.7	654	2.81	98.5	0.7	300.1	1.1	85.4	7.28	16.53	0.13	32
206863	Rock Pulp	0.11	0.308	420.2	3038	8.97	64.6	1838	21.4	17.5	616	4.17	50.8	0.5	249.7	1.0	121.0	1.05	3.63	0.32	78
937048	Rock Pulp	0.20	1.725	18.74	456.1	45.44	146.7	10546	9.5	37.8	>10000	5.43	128.9	1.9	773.8	5.9	138.8	2.10	45.72	13.44	35
937313	Rock Pulp	0.21	0.054	0.20	4741	10.27	45.5	2945	1.4	40.8	790	4.64	8.3	0.3	65.0	0.4	128.0	0.18	1.23	3.20	58
937431	Rock Pulp	0.17	0.212	8.28	2596	8.38	77.7	785	4.2	14.7	423	3.30	2.3	0.2	248.8	0.8	381.1	0.29	0.07	0.07	101
937857	Rock Pulp	0.13	0.791	83.10	532.6	894.6	656.8	45778	4.7	155.6	1542	4.83	172.8	0.2	648.9	0.4	19.1	6.81	25.54	5.12	17
938146	Rock Pulp	0.21	0.477	2.95	2900	14.57	257.2	938	1.3	25.3	1830	4.36	76.3	0.4	241.4	0.7	52.0	2.38	25.81	0.29	21
938213	Rock Pulp	0.21	0.144	9.51	3402	3.33	27.2	340	2.5	11.4	459	2.08	29.9	0.4	93.4	2.7	37.1	0.41	0.27	0.05	48
206868	Rock Pulp	0.11	0.319	456.5	3122	9.85	67.2	1917	22.3	17.6	619	4.26	45.2	0.4	223.9	1.2	126.4	1.12	3.75	0.34	80
938349	Rock Pulp	0.15	0.115	57.60	474.8	93.35	142.9	3096	7.7	19.9	1153	4.68	22.6	0.4	157.1	1.0	42.9	0.58	2.40	0.89	78
938498	Rock Pulp	0.25	0.671	10.18	1861	2.37	87.8	2053	6.3	13.9	763	4.00	92.6	0.6	539.4	1.5	88.1	0.17	0.48	0.52	79
938958	Rock Pulp	0.17	0.346	3.37	>10000	698.6	2633	14775	11.8	68.9	2155	6.13	978.1	2.3	153.6	1.3	67.2	33.70	30.25	6.99	81
939016	Rock Pulp	0.20	0.256	13.20	926.6	1.46	41.9	430	5.9	15.4	686	4.01	34.3	0.4	306.0	1.5	65.1	0.07	0.40	0.20	90
206864	Rock Pulp	0.11	1.155	292.5	4858	23.72	207.4	1974	40.8	26.4	361	4.27	8.8	0.2	696.5	0.6	34.2	1.39	5.85	0.48	70
939038	Rock Pulp	0.20	1.189	9.51	3398	3.09	68.6	1407	5.4	13.7	702	4.95	131.4	0.5	833.8	1.5	41.9	0.37	0.70	0.12	107

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Vancouver BC V6E 1B5 Canada

Project: Woodjam North
Report Date: February 28, 2011

Page: 3 of 4 Part 2

CERTIFICATE OF ANALYSIS

VAN11000675.1

Method	Analyte	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	7TD	
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cu
Unit		%	%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	
MDL		0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.001
205248	Rock Pulp	1.52	0.056	5.6	5.3	0.46	92.6	0.027	<20	0.72	0.051	0.10	<0.1	1.9	0.03	0.02	18	0.6	0.12	3.7	N.A.
205677	Rock Pulp	0.67	0.055	4.2	19.3	0.37	65.4	0.080	<20	0.56	0.100	0.19	<0.1	2.0	0.08	0.23	19	2.4	0.24	3.2	N.A.
205739	Rock Pulp	0.39	0.061	6.0	6.4	0.48	126.6	0.087	<20	0.80	0.095	0.21	<0.1	2.9	0.04	0.08	15	2.7	0.28	3.3	N.A.
205951	Rock Pulp	1.17	0.086	6.9	4.1	0.85	2560	0.050	<20	1.26	0.047	0.38	<0.1	8.3	0.12	0.07	10	1.1	0.03	4.4	N.A.
206862	Rock Pulp	1.81	0.069	18.0	61.9	0.85	58.2	0.033	<20	1.41	0.054	0.52	1.6	5.5	0.31	1.81	101	2.6	0.32	4.8	N.A.
206054	Rock Pulp	2.56	0.093	7.0	6.9	1.19	43.1	0.002	22	1.19	0.061	0.27	<0.1	4.4	0.23	4.79	33	5.4	0.30	2.8	N.A.
206083	Rock Pulp	1.89	0.086	8.3	2.9	0.82	34.3	0.005	<20	0.64	0.051	0.11	<0.1	6.8	0.04	0.42	84	3.2	0.19	2.5	N.A.
206109	Rock Pulp	1.69	0.085	7.5	2.2	1.02	48.9	0.015	<20	0.71	0.070	0.20	<0.1	6.0	0.07	0.29	10	2.8	0.10	2.6	N.A.
206131	Rock Pulp	1.40	0.079	5.9	1.7	0.96	27.4	0.001	<20	0.44	0.072	0.06	<0.1	7.4	<0.02	0.15	9	1.5	0.13	2.1	N.A.
206167	Rock Pulp	1.62	0.089	6.7	3.2	0.96	265.9	0.021	<20	1.45	0.069	0.27	<0.1	4.8	0.09	0.83	16	1.3	0.59	6.5	N.A.
206867	Rock Pulp	1.79	0.065	17.4	60.4	0.85	63.4	0.033	<20	1.40	0.049	0.51	1.7	5.4	0.31	1.79	100	2.6	0.36	4.6	N.A.
206234	Rock Pulp	2.46	0.145	9.6	4.2	0.95	67.5	0.005	<20	1.26	0.084	0.08	<0.1	6.0	<0.02	1.12	<5	2.2	0.52	5.4	N.A.
206318	Rock Pulp	1.43	0.084	5.8	2.4	0.88	500.4	0.004	<20	0.97	0.040	0.07	<0.1	4.9	<0.02	0.07	6	1.2	<0.02	5.4	N.A.
206377	Rock Pulp	0.74	0.083	3.4	3.4	0.68	47.0	0.075	<20	0.55	0.124	0.05	0.3	2.1	<0.02	0.14	<5	0.7	<0.02	3.3	N.A.
206402	Rock Pulp	1.70	0.065	2.9	3.1	0.78	45.8	0.004	<20	0.82	0.068	0.04	<0.1	6.1	0.03	0.94	<5	4.0	0.05	4.8	N.A.
206457	Rock Pulp	2.71	0.077	6.8	1.2	0.76	74.6	<0.001	<20	0.42	0.044	0.15	<0.1	2.4	0.11	1.03	32	2.4	<0.02	1.1	N.A.
206863	Rock Pulp	4.13	0.110	7.7	23.6	1.27	76.1	0.005	<20	1.22	0.074	0.17	2.8	6.9	0.07	1.62	176	6.0	0.23	5.0	N.A.
937048	Rock Pulp	5.51	0.100	38.3	2.2	0.47	147.9	0.002	<20	1.34	0.023	0.20	<0.1	4.9	0.28	0.50	146	0.5	0.13	4.5	N.A.
937313	Rock Pulp	4.84	0.088	5.2	8.1	0.63	48.6	0.011	<20	1.88	0.008	0.33	<0.1	10.2	0.10	1.52	<5	1.1	2.22	6.5	N.A.
937431	Rock Pulp	1.88	0.090	5.2	5.1	1.73	267.8	0.148	<20	3.89	0.244	0.65	<0.1	8.6	0.19	0.62	7	2.1	0.04	9.5	N.A.
937857	Rock Pulp	2.82	0.105	1.4	2.3	0.03	6.8	<0.001	<20	0.35	0.004	0.27	0.3	0.9	0.24	5.37	794	5.0	2.24	0.9	N.A.
938146	Rock Pulp	2.05	0.067	4.9	1.4	0.82	85.2	0.004	<20	0.35	0.023	0.19	0.8	1.4	0.07	0.58	35	0.7	<0.02	1.2	N.A.
938213	Rock Pulp	0.75	0.058	8.2	4.4	0.56	156.3	0.014	<20	0.72	0.071	0.17	<0.1	3.9	0.07	0.09	<5	1.8	0.04	3.3	N.A.
206868	Rock Pulp	4.22	0.113	8.2	22.8	1.28	81.1	0.005	<20	1.26	0.079	0.18	2.9	7.0	0.08	1.69	177	6.1	0.23	4.9	N.A.
938349	Rock Pulp	3.24	0.094	5.1	2.6	0.33	39.6	0.002	<20	0.76	0.028	0.29	<0.1	5.4	0.19	3.15	37	2.0	2.28	2.1	N.A.
938498	Rock Pulp	0.79	0.080	5.0	5.0	1.22	94.4	<0.001	<20	1.72	0.084	0.09	0.6	5.1	0.05	1.49	19	2.7	0.63	6.0	N.A.
938958	Rock Pulp	0.95	0.075	5.2	5.7	1.13	28.0	0.002	<20	1.86	0.062	0.14	<0.1	9.3	0.08	2.58	2035	3.9	3.36	6.4	1.641
939016	Rock Pulp	1.14	0.084	4.8	5.2	0.71	60.7	0.035	<20	1.01	0.123	0.06	<0.1	6.2	<0.02	0.48	7	0.9	0.24	4.1	N.A.
206864	Rock Pulp	1.22	0.062	2.3	53.1	1.21	112.8	0.110	<20	1.97	0.125	0.24	11.0	4.2	0.37	1.97	107	3.4	0.26	5.6	N.A.
939038	Rock Pulp	1.51	0.081	4.3	6.0	0.47	70.3	0.049	<20	0.57	0.094	0.05	<0.1	6.3	<0.02	0.46	12	2.6	0.11	3.5	N.A.



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Project: Woodjam North
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CERTIFICATE OF ANALYSIS

VAN11000675.1

Method	WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.005	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	
939056	Rock Pulp	0.21	0.150	8.19	8941	3.37	68.2	4689	9.9	115.9	1476	5.28	99.8	0.6	103.4	1.0	43.3	0.54	0.85	5.16	90
939257	Rock Pulp	0.17	0.113	104.7	1059	543.2	714.2	4501	9.4	34.1	2164	3.36	147.6	0.3	92.8	1.0	135.3	9.49	15.90	0.32	72
939342	Rock Pulp	0.20	0.367	2.76	1062	1.83	45.0	377	7.7	16.5	472	5.58	4.7	0.2	323.2	0.8	77.5	0.10	0.14	0.02	148



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CERTIFICATE OF ANALYSIS

VAN11000675.1

Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	7TD	
Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cu	
Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%	
MDL	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.001	
939056	Rock Pulp	1.65	0.070	5.6	5.7	1.40	88.9	0.005	<20	1.93	0.053	0.11	<0.1	8.4	0.05	1.97	29	2.5	2.32	6.6	N.A.
939257	Rock Pulp	5.81	0.066	6.5	5.0	1.15	56.8	0.001	<20	1.03	0.122	0.18	<0.1	8.8	0.20	0.92	490	1.8	0.05	3.0	N.A.
939342	Rock Pulp	1.48	0.085	2.8	6.9	1.20	100.9	0.173	<20	1.70	0.217	0.27	0.1	4.1	0.03	0.43	3768	0.8	0.05	6.2	N.A.



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QUALITY CONTROL REPORT

VAN11000675.1

Method	WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.005	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	
Pulp Duplicates																					
206865	Rock Pulp	0.11	0.281	471.5	3319	9.84	73.3	2048	23.7	20.1	687	4.60	49.5	0.5	225.2	1.1	135.7	1.06	1.34	0.36	89
REP 206865	QC	0.430																			
204815	Rock Pulp	0.19	0.179	5.20	2270	7.43	44.2	469	2.5	7.5	271	3.14	6.7	0.7	141.6	2.5	34.8	0.24	0.06	0.09	64
REP 204815	QC	5.42 2275 7.10 45.6 470 2.5 7.7 278 3.09 6.6 0.7 155.8 2.6 34.8 0.23 0.05 0.09 63																			
Reference Materials																					
STD DS8	Standard	12.73 111.7 123.1 317.5 1699 38.4 7.3 585 2.44 25.7 2.5 112.7 6.0 59.5 2.46 4.73 6.71 40																			
STD DS8	Standard	13.22 104.8 120.3 305.9 1614 38.7 7.6 613 2.43 24.5 2.4 89.6 5.9 58.9 2.29 4.35 6.80 39																			
STD DS8	Standard	13.79 111.1 129.1 327.6 1631 40.4 8.1 648 2.57 26.9 2.8 148.7 6.8 66.0 2.48 3.66 6.68 44																			
STD OREAS131B	Standard																				
STD OREAS45PA	Standard	0.91 590.7 17.07 108.1 288 287.7 101.2 1107 15.55 3.6 1.0 37.2 5.9 12.2 0.10 0.16 0.16 217																			
STD OREAS45PA	Standard	0.81 586.4 17.68 109.4 297 286.7 106.2 1122 15.89 3.6 1.0 42.8 6.0 13.0 0.10 0.09 0.17 218																			
STD OREAS45PA	Standard	0.68 636.7 19.65 125.7 332 311.0 116.8 1158 17.40 4.0 1.2 43.5 6.8 14.0 0.09 0.04 0.18 234																			
STD OXH82	Standard	1.353																			
STD OXH82	Standard	1.342																			
STD OXH82	Standard	1.333																			
STD OXH82	Standard	1.397																			
STD OXK79	Standard	3.229																			
STD OXK79	Standard	3.460																			
STD OXK79	Standard	3.607																			
STD R4T	Standard																				
STD SU-1B	Standard																				
STD OXK79 Expected		3.532																			
STD DS8 Expected		13.44 110 123 312 1690 38.1 7.5 615 2.46 26 2.8 107 6.89 67.7 2.38 4.8 6.67 41.1																			
STD OREAS45PA Expected		0.9 600 19 119 300 281 104 1130 16.559 4.2 1.2 43 6 14 0.09 0.13 0.18 221																			
STD OXH82 Expected		1.278																			
STD R4T Expected																					
STD OREAS131B Expected																					
STD SU-1B Expected																					



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Project: Woodjam North
Report Date: February 28, 2011

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QUALITY CONTROL REPORT

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Method	Analyte	Unit	MDL	1F Ca	1F P	1F La	1F Cr	1F Mg	1F Ba	1F Ti	1F B	1F Al	1F Na	1F K	1F W	1F Sc	1F Ti	1F S	1F Hg	1F Se	1F Te	1F Ga	7TD Cu
				%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	%
Pulp Duplicates																							
206865	Rock Pulp			4.47	0.119	9.1	25.6	1.39	51.0	0.005	<20	1.51	0.079	0.23	2.5	7.6	0.11	1.90	215	6.6	0.20	5.7	N.A.
REP 206865		QC																					
204815	Rock Pulp			0.56	0.056	3.8	7.6	0.78	164.7	0.072	<20	0.95	0.097	0.45	<0.1	4.6	0.12	0.22	7	2.4	0.06	4.6	N.A.
REP 204815		QC		0.56	0.056	3.9	6.3	0.79	161.2	0.072	<20	0.95	0.098	0.45	<0.1	4.6	0.12	0.22	10	2.3	0.03	4.7	
Reference Materials																							
STD DS8	Standard			0.67	0.084	12.7	114.1	0.60	285.1	0.103	<20	0.87	0.084	0.40	3.0	2.0	5.55	0.16	186	5.7	5.00	4.5	
STD DS8	Standard			0.66	0.078	13.2	110.3	0.61	283.0	0.101	<20	0.89	0.078	0.40	2.6	2.1	5.46	0.16	211	5.3	5.23	4.7	
STD DS8	Standard			0.74	0.084	16.1	119.6	0.64	295.0	0.112	<20	0.96	0.086	0.43	2.4	2.3	5.93	0.17	195	5.5	5.30	5.3	
STD OREAS131B	Standard																						0.021
STD OREAS45PA	Standard			0.21	0.032	15.0	757.0	0.09	170.9	0.109	<20	3.32	0.010	0.07	<0.1	41.2	0.07	<0.02	30	0.7	0.03	14.8	
STD OREAS45PA	Standard			0.22	0.034	15.6	803.1	0.09	174.2	0.107	<20	3.28	0.011	0.07	<0.1	43.6	0.07	<0.02	30	0.5	0.07	16.5	
STD OREAS45PA	Standard			0.25	0.037	17.0	831.1	0.10	190.7	0.108	<20	3.71	0.011	0.08	<0.1	47.8	0.08	0.02	47	0.5	0.08	18.0	
STD OXH82	Standard																						
STD OXH82	Standard																						
STD OXH82	Standard																						
STD OXH82	Standard																						
STD OXK79	Standard																						
STD OXK79	Standard																						
STD OXK79	Standard																						
STD R4T	Standard																						0.527
STD SU-1B	Standard																						1.183
STD OXK79 Expected																							
STD DS8 Expected				0.7	0.08	14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	2.3	5.4	0.1679	192	5.23	5	4.7	
STD OREAS45PA Expected				0.2411	0.034	16.2	873	0.095	187	0.124		3.34	0.011	0.0665	0.011	43	0.07	0.03	30	0.54		16.8	
STD OXH82 Expected																							
STD R4T Expected																							0.502
STD OREAS131B Expected																							0.0216
STD SU-1B Expected																							1.185

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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QUALITY CONTROL REPORT

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		WGHT	G6	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		kg	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2
BLK	Blank	<0.005																			
BLK	Blank	0.005																			
BLK	Blank	0.006																			
BLK	Blank	<0.005																			
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	0.4	<0.1	<0.5	<0.01	<0.02	<0.02	<2	
BLK	Blank	0.009																			
BLK	Blank	0.006																			
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	
BLK	Blank		<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<2	
BLK	Blank	<0.005																			
BLK	Blank																				



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QUALITY CONTROL REPORT **VAN11000675.1**

		1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	7TD	
		Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cu
		%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm
BLK	Blank	0.01	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.001
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank																				
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank	<0.01	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	
BLK	Blank																				
BLK	Blank																				<0.001

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**Appendix 37:
Field QAQC Sample Standards and Blanks**

Standard Samples and Blanks- Woodjam North 2010

Hole_ID	SampleID	StandardID
TK10-12	203010	CDN-CGS-23
TK10-12	203020	FB
TK10-12	203030	CDN-CM-5
TK10-12	203040	FB
TK10-12	203050	CDN-CM-4
TK10-12	203060	FB
TK10-12	203070	CDN-CGS-23
TK10-12	203080	FB
TK10-12	203090	CDN-CM-5
TK10-12	203100	FB
TK10-12	203110	CDN-CM-4
TK10-12	203120	FB
TK10-12	203130	CDN-CGS-23
TK10-12	203140	FB
TK10-12	203150	CDN-CM-5
TK10-12	203160	FB
TK10-13	203170	CDN-CM-4
TK10-13	203180	FB
TK10-13	203190	CDN-CGS-23
TK10-13	203200	FB
TK10-13	203210	CDN-CM-5
TK10-13	203220	FB
TK10-13	203230	CDN-CM-4
TK10-13	203240	FB
TK10-13	203250	CDN-CGS-23
TK10-13	203260	FB
TK10-13	203270	CDN-CM-5
TK10-13	203280	FB
TK10-13	203290	CDN-CM-4
TK10-13	203300	FB
TK10-13	203310	CDN-CGS-23
TK10-13	203320	FB
TK10-14	203330	CDN-CM-5
TK10-14	203340	FB
TK10-14	203350	CDN-CM-4
TK10-14	203360	FB
TK10-14	203370	CDN-CGS-23
TK10-14	203380	FB
TK10-14	203390	CDN-CM-5
TK10-14	203400	FB
TK10-14	203410	CDN-CM-4
TK10-14	203420	FB
TK10-14	203430	CDN-CGS-23
TK10-14	203440	FB

Hole_ID	SampleID	StandardID
TK10-14	203450	CDN-CM-5
TK10-14	203460	FB
TK10-14	203470	CDN-CM-4
TK10-14	203480	FB
TK10-14	203490	CDN-CGS-23
TK10-14	203500	FB
TK10-14	203510	CDN-CM-5
TK10-14	203520	FB
TK10-15	203530	CDN-CM-4
TK10-15	203540	FB
TK10-15	203550	CDN-CGS-23
TK10-15	203560	FB
TK10-15	203570	CDN-CM-5
TK10-15	203580	FB
TK10-15	203590	CDN-CM-4
TK10-15	203600	FB
TK10-15	203610	CDN-CGS-23
TK10-15	203620	FB
TK10-15	203630	CDN-CM-5
TK10-15	203640	FB
TK10-15	203650	CDN-CM-4
TK10-15	203660	FB
TK10-15	203670	CDN-CGS-23
TK10-15	203680	FB
TK10-15	203690	CDN-CM-5
TK10-16	203700	FB
TK10-16	203710	CDN-CM-4
TK10-16	203720	FB
TK10-16	203730	CDN-CGS-23
TK10-16	203740	FB
TK10-16	203750	CDN-CM-5
TK10-16	203760	FB
TK10-16	203770	CDN-CM-4
TK10-16	203780	FB
TK10-16	203790	CDN-CGS-23
TK10-16	203800	FB
TK10-16	203810	CDN-CM-5
TK10-16	203820	FB
TK10-16	203830	CDN-CM-4
TK10-16	203840	FB
TK10-17	203850	CDN-CGS-23
TK10-17	203860	FB
TK10-17	203870	CDN-CM-5
TK10-17	203880	FB
TK10-17	203890	CDN-CM-4
TK10-17	203900	FB

Hole_ID	SampleID	StandardID
TK10-17	203910	CDN-CGS-23
TK10-17	203920	FB
TK10-17	203930	CDN-CM-5
TK10-17	203940	FB
TK10-17	203950	CDN-CM-4
TK10-17	203960	FB
TK10-17	203970	CDN-CGS-23
TK10-17	203980	FB
TK10-17	203990	CDN-CM-5
TK10-17	204000	FB
TK10-17	204010	CDN-CM-4
TK10-17	204020	FB
TK10-18	204030	CDN-CGS-23
TK10-18	204040	FB
TK10-18	204050	CDN-CM-5
TK10-18	204060	FB
TK10-18	204070	CDN-CM-4
TK10-18	204080	FB
TK10-18	204090	CDN-CGS-23
TK10-18	204100	FB
TK10-18	204110	CDN-CM-5
TK10-18	204120	FB
TK10-18	204130	CDN-CM-4
DH10-04	204140	FB
DH10-04	204150	CDN-CGS-23
DH10-04	204160	FB
DH10-04	204170	CDN-CM-5
DH10-04	204180	FB
DH10-04	204190	CDN-CM-4
DH10-04	204200	FB
DH10-04	204210	CDN-CGS-23
DH10-04	204220	FB
DH10-04	204230	CDN-CM-5
DH10-04	204240	FB
DH10-04	204250	CDN-CM-4
DH10-04	204260	FB
DH10-04	204270	CDN-CGS-23
DH10-04	204280	FB
DH10-05	204290	CDN-CM-5
DH10-05	204300	FB
DH10-05	204310	CDN-CM-4
DH10-05	204320	FB
DH10-05	204330	CDN-CGS-23
DH10-05	204340	FB
DH10-06	204350	CDN-CM-5
DH10-06	204360	FB

Hole_ID	SampleID	StandardID
DH10-06	204370	CDN-CM-4
DH10-06	204380	FB
DH10-06	204390	CDN-CGS-23
DH10-06	204400	FB
DH10-06	204410	CDN-CM-5
DH10-06	204420	FB
DH10-06	204430	CDN-CM-4
DH10-06	204440	FB
DH10-06	204450	CDN-CGS-23
DH10-07	204460	FB
DH10-07	204470	CDN-CM-5
DH10-07	204480	FB
DH10-07	204490	CDN-CM-4
DH10-07	204500	FB
DH10-07	204510	CDN-CGS-23
DH10-07	204520	FB
DH10-07	204530	CDN-CM-5
DH10-07	204540	FB
DH10-08	204550	CDN-CM-4
DH10-08	204560	FB
DH10-08	204570	CDN-CGS-23
DH10-08	204580	FB
DH10-08	204590	CDN-CM-5
DH10-08	204600	FB
DH10-08	204610	CDN-CM-4
DH10-08	204620	FB
DH10-08	204630	CDN-CGS-23
DH10-08	204640	FB
DH10-08	204650	CDN-CM-5
DH10-08	204660	FB
DH10-08	204670	CDN-CM-4
DH10-08	204680	FB
DH10-08	204690	CDN-CGS-23
DH10-08	204700	FB
DH10-09	204710	CDN-CM-5
DH10-09	204720	FB
DH10-09	204730	CDN-CM-4
DH10-09	204740	FB
DH10-09	204750	CDN-CGS-23
DH10-09	204760	FB
DH10-09	204770	CDN-CM-5
DH10-09	204780	FB
DH10-09	204790	CDN-CM-4
DH10-09	204800	FB
DH10-09	204810	CDN-CGS-23
DH10-10	204820	FB

Hole_ID	SampleID	StandardID
DH10-10	204830	CDN-CM-5
DH10-10	204840	FB
DH10-10	204850	CDN-CM-4
DH10-10	204860	FB
DH10-10	204870	CDN-CGS-23
DH10-10	204880	FB
DH10-10	204890	CDN-CM-5
DH10-10	204900	FB
DH10-10	204910	CDN-CM-4
DH10-10	204920	FB
DH10-10	204930	CDN-CGS-23
DH10-10	204940	FB
DH10-11	204950	CDN-CM-5
DH10-11	204960	FB
DH10-11	204970	CDN-CM-4
DH10-11	204980	FB
DH10-11	204990	CDN-CGS-23
DH10-11	205000	FB
DH10-11	205010	CDN-CM-5
DH10-11	205020	FB
DH10-11	205030	CDN-CM-4
DH10-11	205040	FB
DH10-11	205050	CDN-CGS-23
DH10-11	205060	FB
DH10-11	205070	CDN-CM-5
DH10-11	205080	FB
DH10-11	205090	CDN-CM-4
DH10-11	205100	FB
DH10-12	205110	CDN-CGS-23
DH10-12	205120	FB
DH10-12	205130	CDN-CM-5
DH10-12	205140	FB
DH10-12	205150	CDN-CM-4
DH10-12	205160	FB
DH10-12	205170	CDN-CGS-23
DH10-12	205180	FB
SB10-01	205190	CDN-CM-5
SB10-02	205200	FB
SB10-02	205210	CDN-CM-4
SB10-03	205220	FB
SB10-03	205230	CDN-CGS-23
SB10-03	205240	FB
SB10-04	205250	CDN-CM-5
SB10-04	205260	FB
SB10-04	205270	CDN-CM-4
SB10-04	205280	FB

Hole_ID	SampleID	StandardID
SB10-04	205290	CDN-CGS-23
SB10-04	205300	FB
SB10-04	205310	CDN-CM-5
SB10-04	205320	FB
SB10-04	205330	CDN-CM-4
SB10-04	205340	FB
SB10-04	205350	CDN-CGS-23
SB10-04	205360	FB
SB10-04	205370	CDN-CM-5
SB10-05	205380	FB
SB10-05	205390	CDN-CM-4
SB10-06	205400	FB
SB10-06	205410	CDN-CGS-23
SB10-06	205420	FB
SB10-06	205430	CDN-CM-5
SB10-06	205440	FB
SB10-06	205450	CDN-CM-4
SB10-06	205460	FB
SB10-06	205470	CDN-CGS-23
SB10-06	205480	FB
SB10-07	205490	CDN-CM-5
SB10-07	205500	FB
SB10-07	205510	CDN-CM-4
SB10-07	205520	FB
SB10-07	205530	CDN-CGS-23
SB10-07	205540	FB
SB10-07	205550	CDN-CM-5
SB10-07	205560	FB
SB10-07	205570	FB
SB10-08	205580	FB
SB10-08	205590	CDN-CM-5
SB10-08	205600	FB
SB10-08	205610	CDN-CM-4
SB10-08	205620	FB
SB10-08	205630	CDN-CGS-23
SB10-08	205640	FB
SB10-08	205650	CDN-CM-5
SB10-08	205660	FB
SB10-09	205670	CDN-CM-4
SB10-09	205680	FB
SB10-09	205690	CDN-CGS-23
SB10-09	205700	FB
SB10-09	205710	CDN-CGS-23
SB10-09	205720	FB
SB10-09	205730	CDN-CM-5
SB10-10	205740	FB

Hole_ID	SampleID	StandardID
SB10-10	205750	CDN-CM-4
SB10-10	205760	FB
SB10-10	205770	CDN-CGS-23
SB10-10	205780	FB
SB10-10	205790	CDN-CM-5
SB10-10	205800	FB
SB10-10	205810	CDN-CGS-23
SB10-10	205820	FB
SB10-10	205830	CDN-CM-5
SB10-10	205840	FB
SB10-10	205850	CDN-CM-4
SB10-10	205860	FB
SB10-10	205870	CDN-CGS-23
SB10-11	205880	FB
SB10-11	205890	CDN-CM-5
SB10-11	205900	FB
SB10-11	205910	CDN-CM-5
SB10-11	205920	FB
SB10-11	205930	CDN-CM-4
SB10-11	205940	FB
SB10-11	205950	CDN-CGS-23
DH10-13	205960	FB
DH10-13	205970	CDN-CM-5
DH10-13	205980	FB
DH10-13	205990	CDN-CM-4
DH10-13	206000	FB
DH10-13	206010	CDN-CGS-23
DH10-13	206020	FB
DH10-13	206030	CDN-CM-5
DH10-13	206040	FB
DH10-13	206050	CDN-CM-4
DH10-14	206060	FB
DH10-14	206070	CDN-CGS-23
DH10-14	206080	FB
DH10-14	206090	CDN-CM-5
DH10-14	206100	FB
DH10-14	206110	CDN-CM-4
DH10-14	206120	FB
DH10-14	206130	CDN-CGS-23
DH10-14	206140	FB
DH10-15	206150	CDN-CM-5
DH10-15	206160	FB
DH10-15	206170	CDN-CM-4
DH10-15	206180	FB
DH10-15	206190	CDN-CGS-23
DH10-15	206200	FB

Hole_ID	SampleID	StandardID
DH10-15	206210	CDN-CM-5
DH10-15	206220	FB
DH10-15	206230	CDN-CM-4
DH10-15	206240	FB
DH10-15	206250	CDN-CGS-23
DH10-15	206260	FB
DH10-15	206270	CDN-CM-5
DH10-15	206280	FB
DH10-15	206290	CDN-CM-4
DH10-15	206300	FB
DH10-15	206310	CDN-CGS-23
DH10-16	206320	FB
DH10-16	206330	CDN-CM-5
DH10-16	206340	FB
DH10-16	206350	CDN-CM-4
DH10-16	206360	FB
DH10-16	206370	CDN-CGS-23
DH10-16	206380	FB
DH10-16	206390	CDN-CM-5
DH10-16	206400	FB
DH10-16	206410	CDN-CM-4
DH10-16	206420	FB
DH10-16	206430	CDN-CGS-23
DH10-16	206440	FB
DH10-16	206450	CDN-CM-5
DH10-16	206460	FB
DH10-16	206470	CDN-CM-4
DH10-16	206480	FB
DH10-16	206490	CDN-CGS-23
TK10-19	937010	CDN-CGS-23
TK10-19	937020	FB
TK10-19	937030	CDN-CM-5
TK10-19	937040	FB
TK10-19	937050	CDN-CM-4
TK10-19	937060	FB
TK10-19	937070	CDN-CGS-23
TK10-19	937080	FB
TK10-19	937090	CDN-CM-5
TK10-19	937100	FB
TK10-19	937110	CDN-CM-4
TK10-21	937120	FB
TK10-21	937130	CDN-CGS-23
TK10-21	937140	FB
TK10-21	937150	CDN-CM-5
TK10-21	937160	FB
TK10-21	937170	CDN-CM-4

Hole_ID	SampleID	StandardID
TK10-21	937180	FB
TK10-21	937190	CDN-CGS-23
TK10-21	937200	FB
TK10-21	937210	CDN-CM-5
TK10-21	937220	FB
TK10-21	937230	CDN-CM-4
TK10-21	937240	FB
TK10-22	937250	CDN-CGS-23
TK10-22	937260	FB
TK10-22	937270	CDN-CM-5
TK10-22	937280	FB
TK10-22	937290	CDN-CM-4
TK10-22	937300	FB
TK10-22	937310	CDN-CGS-23
TK10-22	937320	FB
TK10-23	937330	CDN-CM-5
TK10-23	937340	FB
TK10-23	937350	CDN-CM-4
TK10-23	937360	FB
TK10-23	937370	CDN-CGS-23
TK10-23	937380	FB
TK10-23	937390	CDN-CM-5
TK10-23	937400	FB
TK10-23	937410	CDN-CM-4
TK10-23	937420	FB
TK10-23	937430	CDN-CGS-23
TK10-24	937440	FB
TK10-24	937450	CDN-CM-5
TK10-24	937460	FB
TK10-24	937470	CDN-CM-4
TK10-24	937480	FB
TK10-24	937490	CDN-CGS-23
TK10-24	937500	FB
TK10-24	937510	CDN-CM-5
TK10-24	937520	FB
TK10-25	937530	CDN-CM-4
TK10-25	937540	FB
TK10-25	937550	CDN-CGS-23
TK10-25	937560	FB
TK10-25	937570	CDN-CM-5
TK10-25	937580	FB
TK10-25	937590	CDN-CM-4
TK10-25	937600	FB
TK10-25	937610	CDN-CGS-23
TK10-25	937620	FB
TK10-25	937630	CDN-CM-5

Hole_ID	SampleID	StandardID
TK10-25	937640	FB
TK10-26	937650	CDN-CM-4
TK10-26	937660	FB
TK10-26	937670	CDN-CGS-23
TK10-26	937680	FB
TK10-26	937690	CDN-CM-5
TK10-26	937700	FB
TK10-26	937710	CDN-CM-4
TK10-26	937720	FB
TK10-26	937730	CDN-CGS-23
TK10-26	937740	FB
TK10-27	937750	CDN-CM-5
TK10-27	937760	FB
TK10-27	937770	CDN-CM-4
TK10-27	937780	FB
TK10-27	937790	CDN-CGS-23
TK10-27	937800	FB
TK10-27	937810	CDN-CM-5
TK10-27	937820	FB
TK10-27	937830	CDN-CGS-23
TK10-28	937840	FB
TK10-28	937850	CDN-CM-4
TK10-28	937860	FB
TK10-28	937870	CDN-CM-5
TK10-28	937880	FB
TK10-28	937890	CDN-CGS-23
TK10-28	937900	FB
TK10-28	937910	CDN-CM-4
DCL10-01	937920	FB
DCL10-01	937930	CDN-CM-5
DCL10-01	937940	FB
DCL10-01	937950	CDN-CGS-23
DCL10-01	937960	FB
DCL10-01	937970	CDN-CM-4
DCL10-01	937980	FB
DCL10-03	937990	CDN-CM-5
DCL10-03	938000	FB
DCL10-03	938010	CDN-CGS-23
DCL10-03	938020	FB
DCL10-03	938030	CDN-CM-4
DCL10-04	938040	FB
DCL10-04	938050	CDN-CM-5
DCL10-04	938060	FB
DCL10-04	938070	CDN-CGS-23
DCL10-04	938080	FB
DCL10-04	938090	CDN-CM-4

Hole_ID	SampleID	StandardID
DCL10-05	938100	FB
DCL10-05	938110	CDN-CM-5
DCL10-05	938120	FB
DCL10-05	938130	CDN-CGS-23
DCL10-05	938140	FB
DCL10-05	938150	CDN-CM-4
DCL10-05	938160	FB
DCL10-05	938170	CDN-CM-5
DCL10-05	938180	FB
DCL10-05	938190	CDN-CGS-23
DCL10-05	938200	FB
DCL10-05	938210	CDN-CM-4
DH10-17	938220	FB
DH10-17	938230	CDN-CM-5
DH10-17	938240	FB
DH10-17	938250	CDN-CGS-23
DH10-17	938260	FB
DH10-17	938270	CDN-CM-4
DH10-17	938280	FB
DH10-17	938290	CDN-CM-5
DH10-17	938300	FB
DH10-18	938310	CDN-CM-4
DH10-18	938320	FB
DH10-18	938330	CDN-CGS-23
DH10-18	938340	FB
DH10-18	938350	CDN-CM-5
DH10-18	938360	FB
DH10-18	938370	CDN-CM-4
DH10-18	938380	FB
DH10-18	938390	CDN-CGS-23
DH10-19	938400	FB
DH10-19	938410	CDN-CM-5
DH10-19	938420	FB
DH10-19	938430	CDN-CM-4
DH10-19	938440	FB
DH10-19	938450	CDN-CGS-23
DH10-19	938460	FB
DH10-19	938470	CDN-CM-5
DH10-19	938480	FB
DH10-20	938490	CDN-CM-4
DH10-21	938500	FB
DH10-21	938510	CDN-CGS-23
DH10-21	938520	FB
DH10-21	938530	CDN-CM-5
DH10-21	938540	FB
DH10-21	938550	CDN-CM-4

Hole_ID	SampleID	StandardID
DH10-21	938560	FB
DH10-21	938570	CDN-CGS-23
DH10-21	938580	FB
DH10-21	938590	CDN-CM-5
DH10-21	938600	FB
DH10-21	938610	CDN-CM-4
DH10-21	938620	FB
DH10-21	938630	CDN-CGS-23
DH10-21	938640	FB
DH10-22	938650	CDN-CM-5
DH10-22	938660	FB
DH10-22	938670	CDN-CM-4
DH10-22	938680	FB
DH10-22	938690	CDN-CGS-23
DH10-23	938960	CDN-CM-4
DH10-23	938970	FB
DH10-23	938980	CDN-CGS-23
DH10-23	938990	FB
DH10-23	939000	CDN-CM-5
DH10-23	939010	FB
DH10-23	939020	CDN-CM-4
DH10-23	939030	FB
DH10-23	939040	CDN-CGS-23
DH10-24	939050	FB
DH10-24	939060	CDN-CM-5
DH10-24	939070	FB
DH10-24	939080	CDN-CM-4
DH10-24	939090	FB
DH10-24	939100	CDN-CGS-23
DH10-24	939110	FB
DH10-24	939120	CDN-CM-5
DH10-24	939130	FB
DH10-24	939140	CDN-CM-4
DH10-24	939150	FB
DH10-24	939160	CDN-CGS-23
DH10-24	939170	FB
DH10-24	939180	CDN-CM-5
DH10-24	939190	FB
DH10-24	939200	CDN-CM-4
DH10-25	939210	FB
DH10-25	939220	CDN-CGS-23
DH10-25	939230	FB
DH10-25	939240	CDN-CM-5
DH10-25	939250	FB
DH10-25	939260	CDN-CM-4
DH10-25	939270	FB

Hole_ID	SampleID	StandardID
DH10-25	939280	CDN-CGS-23
DH10-25	939290	FB
DH10-25	939300	CDN-CM-5
DH10-25	939310	FB
DH10-25	939320	CDN-CM-4
DH10-25	939330	FB
DH10-25	939340	CDN-CGS-23

Appendix 38:
Acme Analytical Method Specification Sheets

METHOD SPECIFICATIONS

GENERAL SAMPLE PREPARATION METHODS

Receiving: Samples arrive via courier, post or by client drop-off; shipment inspected for completeness.

Sorting and Inspection: Samples sorted and inspected for quality of use (quantity and condition). Pulp samples inspected for homogeneity and fineness.

SOILS

SS80, S230, SSXX Drying and Sieving: Wet or damp soil samples are dried at 60°C (Air dried or 40°C if specified by the client). Soil and sediment sieved to -80 mesh (SS80) or -230 mesh (S230), unless client specifies otherwise (SSXX). Sieves cleaned by brush and compressed air between samples.

SP100, SCP100 Pulverizing: Soils are pulverized to -100 mesh ASTM with an option of using a mild-steel pulverizer (SP100) or a ceramic pulverizer (SCP100), per 100g.

ROCKS AND DRILL CORE

R200-250, R200-500, R200-1000: Rock and Drill Core crushed to 80% passing 10 mesh (2 mm), homogenized, riffle split (250g, 500g, or 1000g subsample) and pulverized to 85% passing 200 mesh (75 microns). Crusher and pulverizer are cleaned by brush and compressed air between routine samples. Granite/Quartz wash scours equipment after high-grade samples, between changes in rock colour and at end of each file. Granite/Quartz is crushed and pulverized as first sample in sequence and carried through to analysis.

P200, PSCB: Samples requiring pulverizing only are dried at 60°C and pulverized to 85% passing 200 mesh (75 microns), using a mild-steel pulverizer (P200), per 250g or a ceramic pulverizer (PSCB), per 100g.

M150, M200s: Rock and Drill Core are crushed, pulverized and sieved, save +150 and -150 mesh fractions (M150) or +200 and -200 mesh fractions (M200) for metallic Au or Cu analysis. Typically 500g samples are sieved.

HPUL: Rock and Drill Core are pulverized by using a mortar and pestle.

VEGETATION

PM1: Plant material is dried then milled to 1mm

VA475: Up to 0.1 kg of wet vegetation is ashed by heating to 475°C.

WWSH: Plant samples are washed with Type-1 water then dried at 60°C prior to analysis, per 100g.

METHOD SPECIFICATIONS

GROUP 1D AND 1F – GEOCHEMICAL AQUA REGIA DIGESTION

Package Codes: 1D01 to 1D03, 1DX1 to 1DX3, 1F01 to 1F07
Sample Digestion: HNO₃-HCl acid digestion
Instrumentation Method: ICP-ES (1D), ICP-MS (1DX, 1F)
Applicability: Sediment, Soil, Non-mineralized Rock and Drill Core

Method Description:

Prepared sample is digested with a modified Aqua Regia solution of equal parts concentrated HCl, HNO₃ and DI H₂O for one hour in a heating block of hot water bath. Sample is made up to volume with dilute HCl. Sample splits of 0.5g, 15g or 30g can be analyzed.

Element	Group 1D Detection	Group 1DX Detection	Group 1F Detection	Upper Limit
Ag	0.3 ppm	0.1 ppm	2 ppb	100 ppm
Al*	0.01%	0.01%	0.01%	10%
As	2 ppm	0.5 ppm	0.1 ppm	10000 ppm
Au	2 ppm	0.5 ppb	0.2 ppb	100 ppm
B*^	20 ppm	20 ppm	20 ppm	2000 ppm
Ba*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Bi	3 ppm	0.1 ppm	0.02 ppm	2000 ppm
Ca*	0.01%	0.01%	0.01%	40%
Cd	0.5 ppm	0.1 ppm	0.01 ppm	2000 ppm
Co	1 ppm	0.1 ppm	0.1 ppm	2000 ppm
Cr*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Cu	1 ppm	0.1 ppm	0.01 ppm	10000 ppm
Fe*	0.01%	0.01%	0.01%	40%
Ga*	-	1 ppm	0.1 ppm	1000 ppm
Hg	1 ppm	0.01 ppm	5 ppb	50 ppm
K*	0.01%	0.01%	0.01%	10%
La*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Mg*	0.01%	0.01%	0.01%	30%
Mn*	2 ppm	1 ppm	1 ppm	10000 ppm
Mo	1 ppm	0.1 ppm	0.01 ppm	2000 ppm
Na*	0.01%	0.001%	0.001%	5%
Ni	1 ppm	0.1 ppm	0.1 ppm	10000 ppm
P*	0.001%	0.001%	0.001%	5%
Pb	3 ppm	0.1 ppm	0.01 ppm	10000 ppm
S	0.05%	0.05%	0.02%	10%

Element	Group 1D Detection	Group 1DX Detection	Group 1F Detection	Upper Limit
Sb	3 ppm	0.1 ppm	0.02 ppm	2000 ppm
Sc	-	0.1 ppm	0.1 ppm	100 ppm
Se	-	0.5 ppm	0.1 ppm	100 ppm
Sr*	1 ppm	1 ppm	0.5 ppm	10000 ppm
Te	-	0.2 ppm	0.02 ppm	1000 ppm
Th*	2 ppm	0.1 ppm	0.1 ppm	2000 ppm
Ti*	0.01%	0.001%	0.001%	5%
Tl	5 ppm	0.1 ppm	0.02 ppm	1000 ppm
U*	8 ppm	0.1 ppm	0.05 ppm	2000 ppm
V*	1 ppm	2 ppm	2 ppm	10000 ppm
W*	2 ppm	0.1 ppm	0.05 ppm	100 ppm
Zn	1 ppm	1 ppm	0.1 ppm	10000 ppm
Be*	-	-	0.1 ppm	1000 ppm
Ce*	-	-	0.1 ppm	2000 ppm
Cs*	-	-	0.02 ppm	2000 ppm
Ge*	-	-	0.1 ppm	100 ppm
Hf*	-	-	0.02 ppm	1000 ppm
In	-	-	0.02 ppm	1000 ppm
Li*	-	-	0.1 ppm	2000 ppm
Nb*	-	-	0.02 ppm	2000 ppm
Rb*	-	-	0.1 ppm	2000 ppm
Re	-	-	1 ppb	1000 ppb
Sn*	-	-	0.1 ppm	100 ppm
Ta*	-	-	0.05 ppm	2000 ppm
Y*	-	-	0.01 ppm	2000 ppm
Zr*	-	-	0.1 ppm	2000 ppm
Pt*	-	-	2 ppb	100 ppm
Pd*	-	-	10 ppb	100 ppm
Pb ₂₀₄	-	-	0.01 ppm	10000 ppm
Pb ₂₀₆	-	-	0.01 ppm	10000 ppm
Pb ₂₀₇	-	-	0.01 ppm	10000 ppm
Pb ₂₀₈	-	-	0.01 ppm	10000 ppm

* Solubility of some elements will be limited by mineral species present.

^Detection limit = 1 ppm for 15g / 30g analysis.

Limitations:

Au solubility can be limited by refractory and graphitic samples.

METHOD SPECIFICATIONS

GROUP 7TD AND 7TX – ASSAY FOUR-ACID DIGESTION

Package Codes: 7TD1, 7TD2, 7TD3, 7TX1
Sample Digestion: HF-HNO₃-HClO₄ acid digestion
Instrumentation Method: ICP-ES (7TD, 7TX), ICP-MS (7TX)
Applicability: Rock and Drill Core

Method Description:

Prepared sample is digested to complete dryness with an acid solution of (2:2:1:1) H₂O-HF-HClO₄-HNO₃. 50% HCl is added to the residue and heated using a mixing hot block. After cooling the solutions are made up to volume with dilute HCl in class A volumetric flasks. Sample splits of 0.5g or 0.1g can be analyzed. Very high-grade samples are reweighed at lower weight to accommodate analysis up to 100% upper limit.

Element	Group 7TD Detection	Group 7TX Detection
Ag	2 g/t	0.5 ppm
Al*	0.01%	0.01%
As	0.02%	5 ppm
Ba*	-	5 ppm
Be	-	5 ppm
Bi	0.01%	0.5 ppm
Ca*	0.01%	0.01%
Cd	0.001%	0.5 ppm
Ce	-	5 ppm
Co	0.001%	1 ppm
Cr*	0.001%	1 ppm
Cu	0.001%	0.5 ppm
Fe*	0.01%	0.01%
Hf*	-	0.5 ppm
K	0.01%	0.01%
La	-	0.5 ppm
Li	-	0.5 ppm
Mg	0.01%	0.01%
Mn*	0.01%	5 ppm
Mo	0.001%	0.5 ppm
Na	0.01%	0.01%
Nb*	-	0.5 ppm
Ni	0.001%	0.5 ppm
P	0.01%	0.01%
Pb	0.02%	0.5 ppm

Element	Group 7TD Detection	Group 7TX Detection
Rb	-	0.5 ppm
S*	0.05%	0.05%
Sb	0.01%	0.5 ppm
Sc	-	1 ppm
Sn*	-	0.5 ppm
Sr	0.01%	5 ppm
Ta*	-	0.5 ppm
Th	-	0.5 ppm
Ti*	-	0.001%
U	-	0.5 ppm
V	-	10 ppm
W*	0.01%	0.5 ppm
Y	-	0.5 ppm
Zn	0.01%	5 ppm
Zr*	-	0.5 ppm

Limitations:

*This digestion is only partial for some Cr and Ba minerals and some oxides of Al, Fe, Hf, Mn, Nb, S, Sn, Ta, Ti, W and Zr if refractory minerals are present.

†Volatilization may occur during fuming resulting in some loss of As and Sb.

METHOD SPECIFICATIONS

GROUP 3B AND G6 – PRECIOUS METALS BY FIRE ASSAY FUSION

Package Codes:	3B01 to 3B04, G601 to G614
Sample Digestion:	Lead-collection fire assay fusion
Instrumentation Method:	ICP-ES (3B, G6), ICP-MS (3B-MS), AA (3B, G6), Gravimetric (G6)
Applicability:	Rock, Drill Core

Method Description:

Prepared sample is custom-blended with fire-assay fluxes, PbO litharge and a Ag inquart. Firing the charge at 1050 °C liberates Ag ± Au ± PGEs that report to the molten Pb-metal phase. After cooling the Pb button is recovered, placed in a cupel and fired at 950 °C to render a Ag ± Au ± PGEs dore bead. The bead is digested for ICP analysis or weighed and parted in ACS grade HNO₃ to dissolve Ag leaving a Au sponge. Au is weighed for Gravimetric determination; ACS grade HCl is added dissolving the Au ± PGE sponge for Instrument determination.

Element	3B Detection	3B Upper Limit	3B-MS Detection	3B-MS Upper Limit
Au	2 ppb	10000 ppb	1 ppb	10000 ppb
Pt	3 ppb	10000 ppb	0.1 ppb	10000 ppb
Pd	2 ppb	10000 ppb	0.5 ppb	10000 ppb

Element	G6 (Inst) Detection	G6 (Inst) Upper Limit	G6 (Grav) Detection	G6 (Grav) Upper Limit
Ag	--	--	50 g/t	1 ton
Au	0.005 g/t	10 g/t	0.17 g/t	1 ton
Pt	0.01 g/t	100 g/t	--	--
Pd	0.01 g/t	100 g/t	--	--

Note:

*Sulphide-rich samples require a 15g or smaller sample for proper fusion.