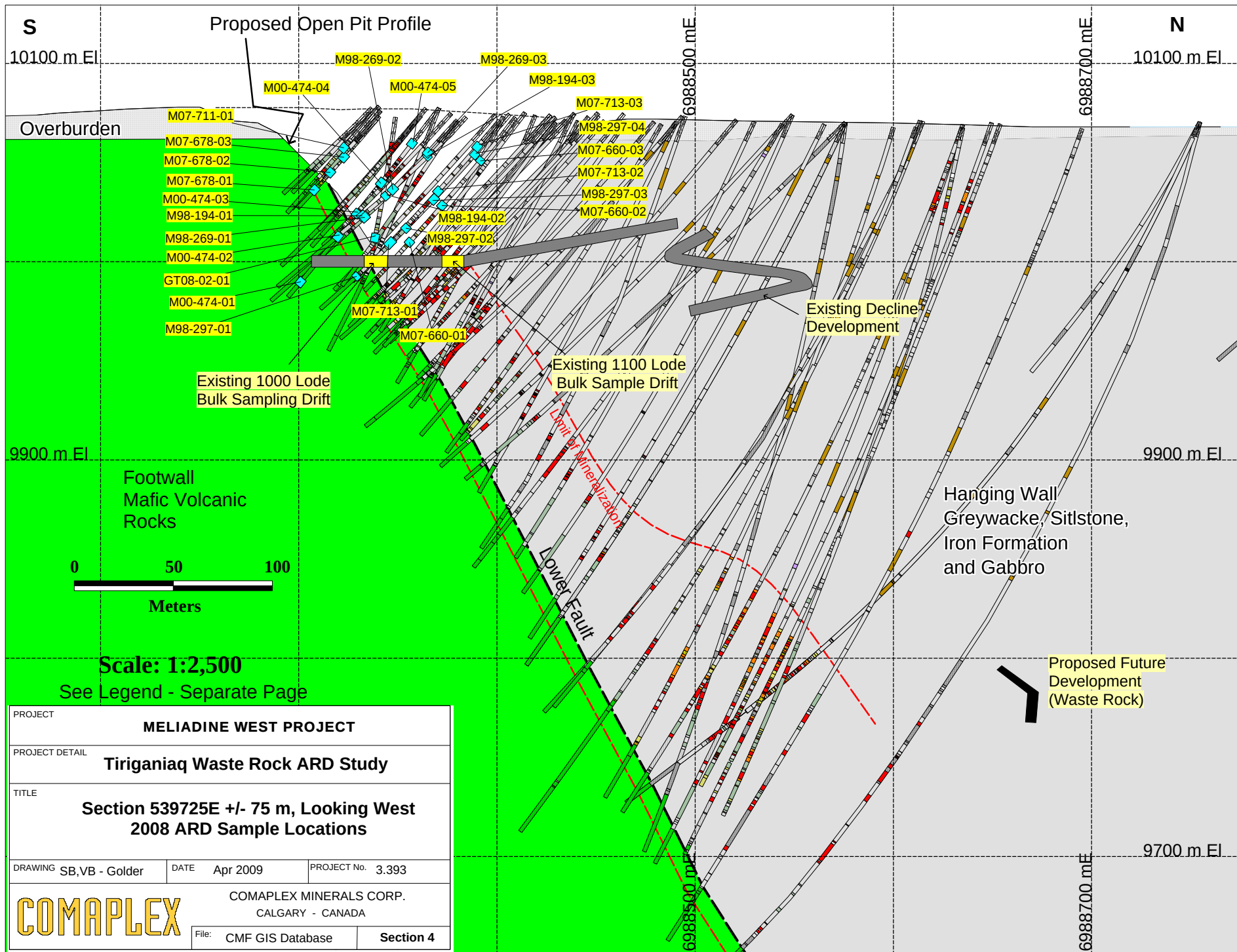
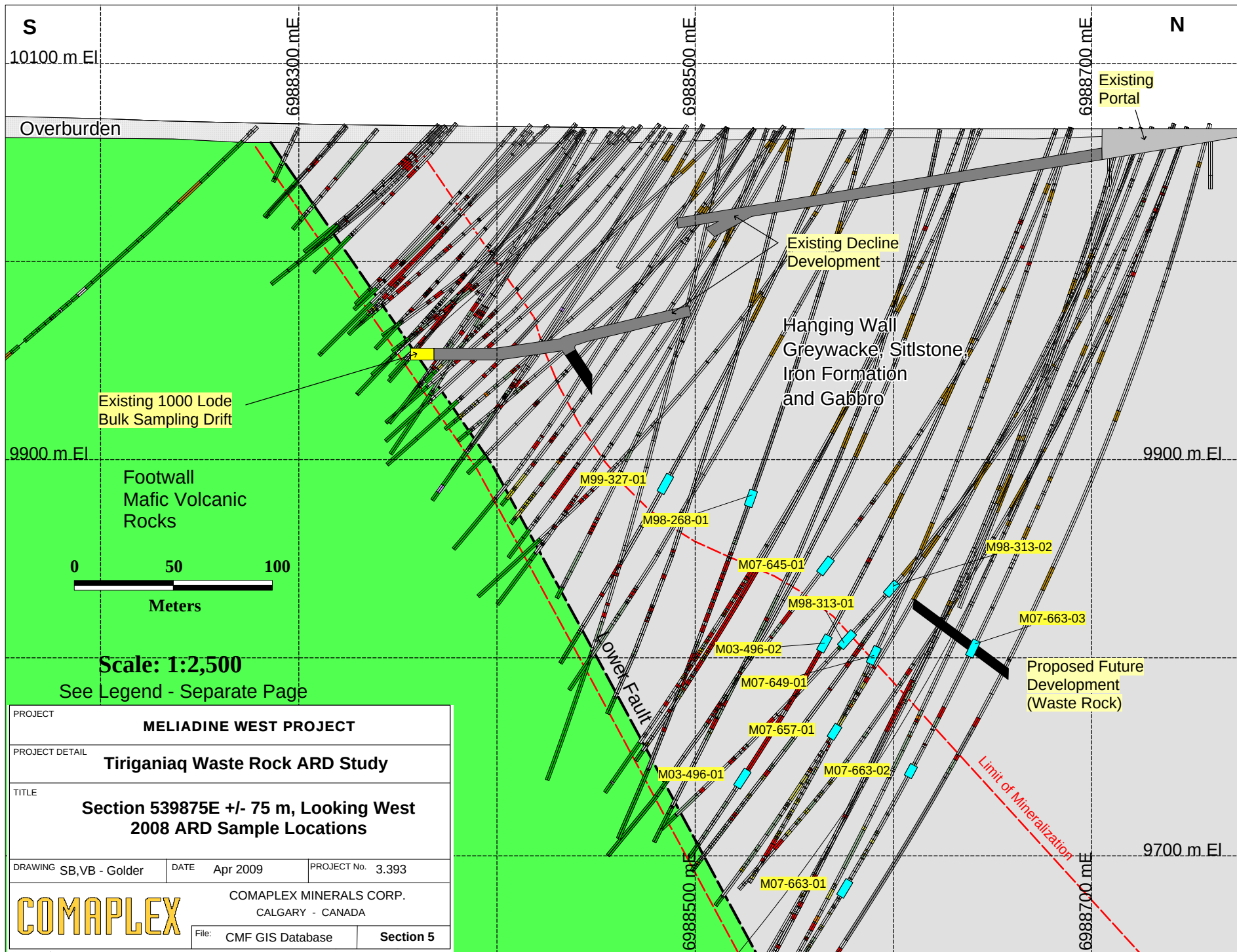
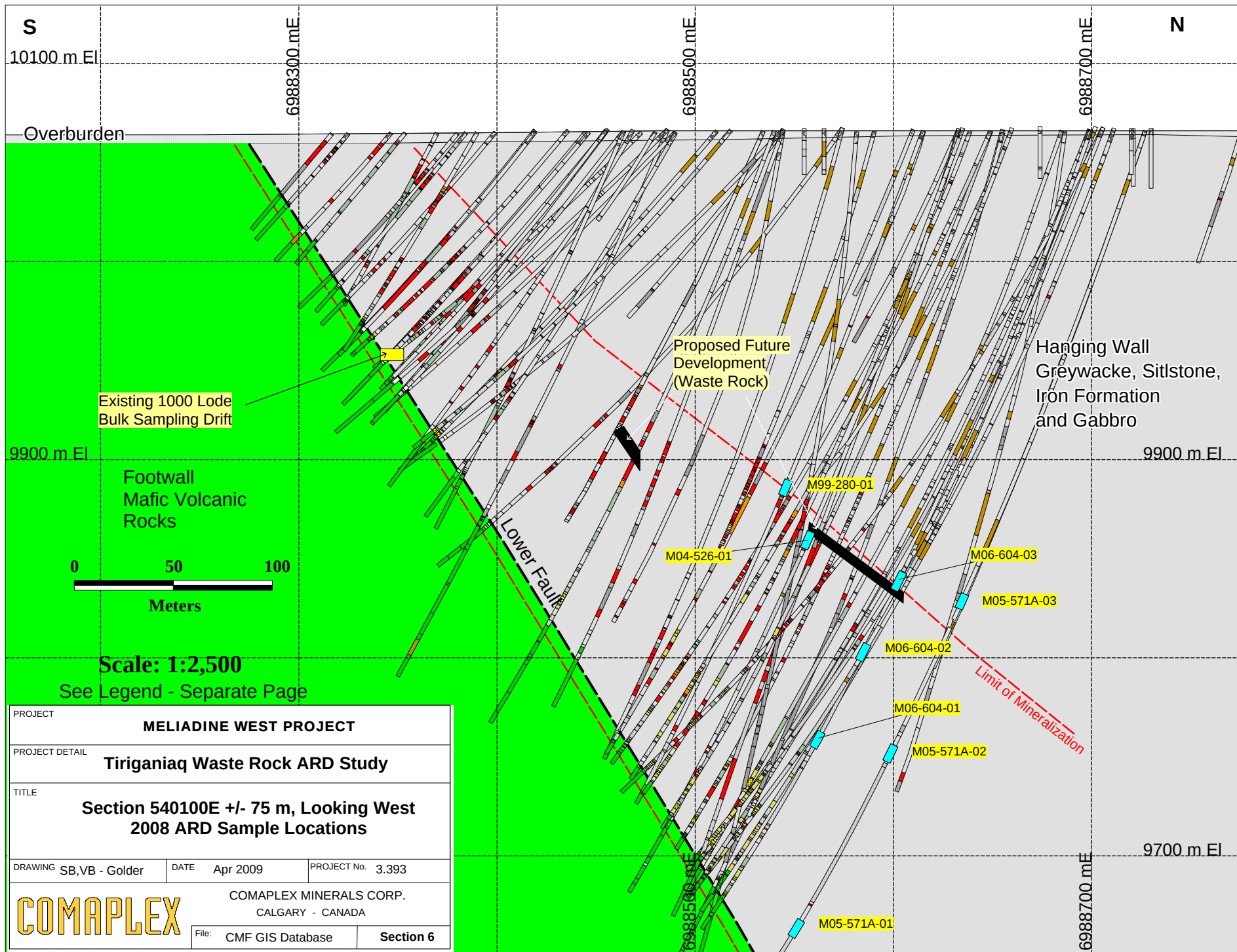
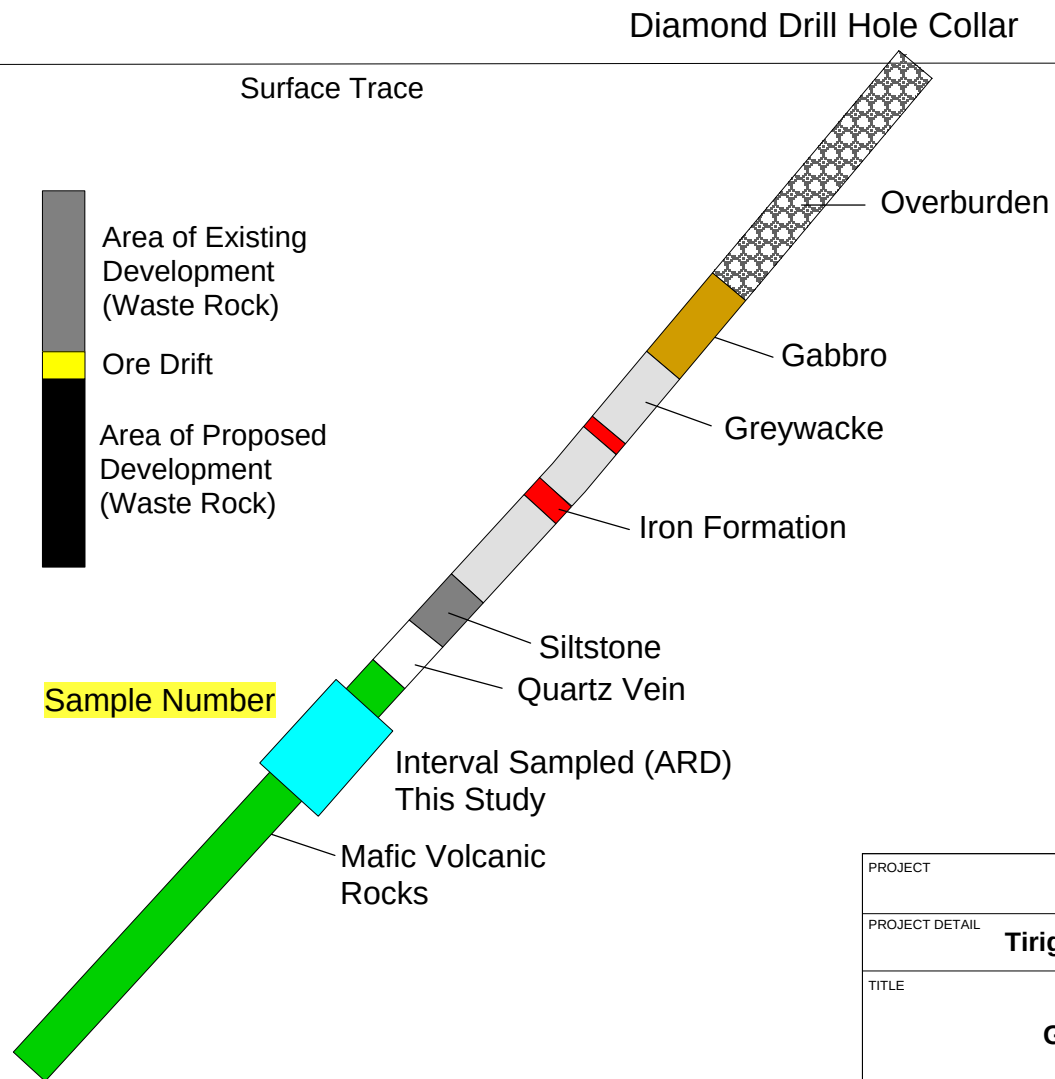










PROJECT	MELIADINE WEST PROJECT		
PROJECT DETAIL	Tiriganiaq Waste Rock ARD Study		
TITLE	Appendix A Generalized Section Legend		
DRAWING SB,VB - Golder	DATE Apr 2009	PROJECT No. 3.393	
COMAPLEX		COMAPLEX MINERALS CORP. CALGARY - CANADA	
		File: CMF GIS Database	Legend



INTERIM STATIC TEST REPORT FOR WASTE ROCK FROM THE TIRIGANIAQ DEPOSIT, MELIADINE WEST GOLD PROJECT

ATTACHMENT II

Laboratory Certificates of Analysis



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shakefask (4:1 DI leach 24hrs 0.45µm)

Wednesday, February 18, 2009

Date Rec. : 19 January 2009
LR Report: CA10314-JAN09
Reference: 08-1122-0292

Copy: #1

CERTIFICATE OF ANALYSIS Final Report

Analysis	3:	4:	5:	6:	7:	8:	9:	10:	11:	12:	13:
	Analysis	Analysis	M04-527-01	M05-559A-02	M04-533-01	M04-533-02	M04-533-02	M07-645-01	M98-313-01	M07-649-01	M07-663-01
	Approval	Approval					Dup				
	Date	Time									
Sample Date & Time	Date	n/a	Date	n/a	Date	n/a	Date	n/a	Date	n/a	Date
Sample [weight(g)]	30-Jan-09	10:51	200	200	200	200	200	200	200	200	200
Volume mL [D.I. H2O]	30-Jan-09	10:51	800	800	800	800	800	800	800	800	800
Initial pH [units]	30-Jan-09	10:51	9.20	9.79	9.71	9.84	9.86	9.63	9.62	9.33	9.53
Final pH [units]	30-Jan-09	10:51	9.46	9.48	9.41	9.59	9.62	9.39	9.40	8.10	9.37
Alkalinity [mg/L as CaCO3]	18-Feb-09	11:53	48	45	59	42	41	50	51	126	52
pH [no unit]	18-Feb-09	11:53	7.97	8.04	8.20	8.07	8.04	8.15	8.21	8.36	8.17
Conductivity [µS/cm]	18-Feb-09	12:12	113	101	124	93	90	110	107	239	113
Chloride [mg/L]	18-Feb-09	15:57	1.2	0.9	1.0	1.3	1.3	1.8	0.5	1.2	1.6
Sulphate [mg/L]	18-Feb-09	15:57	4.9	3.3	3.0	3.6	4.1	5.3	3.1	2.4	3.4
Mercury [mg/L]	04-Feb-09	08:56	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Silver [mg/L]	03-Feb-09	13:28	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	03-Feb-09	11:29	0.25	0.81	0.46	0.81	0.66	0.37	0.54	0.01	0.45
Arsenic [mg/L]	03-Feb-09	13:27	0.0744	0.0215	0.0432	0.144	0.189	0.0260	0.0355	0.0052	0.107
Boron [mg/L]	03-Feb-09	13:27	0.193	0.140	0.139	0.152	0.168	0.222	0.134	0.0953	0.166
Beryllium [mg/L]	03-Feb-09	13:27	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Bismuth [mg/L]	03-Feb-09	13:27	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Calcium [mg/L]	03-Feb-09	11:29	7.22	6.62	7.69	5.78	5.61	6.95	8.41	40.9	8.18
Cadmium [mg/L]	03-Feb-09	13:27	< 0.000003	0.000006	< 0.000003	< 0.000003	< 0.000003	0.000003	< 0.000003	< 0.000003	< 0.000003
Cobalt [mg/L]	03-Feb-09	13:27	0.000071	0.000055	0.000072	0.000045	0.000043	0.000071	0.000060	0.000064	0.000154

Online LIMS



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shakefask (4:1 DI leach 24hrs 0.45µm)

LR Report : CA10314-JAN09

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: M04-527-01	6: M05-559A-02	7: M04-533-01	8: M04-533-02	9: M04-533-02 Dup	10: M07-645-01	11: M98-313-01	12: M07-649-01	13: M07-663-01
Chromium [mg/L]	03-Feb-09	13:27	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Copper [mg/L]	03-Feb-09	13:27	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Iron [mg/L]	03-Feb-09	11:29	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Potassium [mg/L]	03-Feb-09	11:29	5.00	7.85	14.1	8.62	7.20	7.37	7.27	1.52	8.54
Lithium [mg/L]	03-Feb-09	13:27	0.001	0.001	0.002	< 0.001	0.001	< 0.001	< 0.001	< 0.001	0.001
Magnesium [mg/L]	03-Feb-09	11:29	1.75	1.02	1.95	0.591	0.554	1.41	1.60	5.22	1.50
Manganese [mg/L]	03-Feb-09	13:27	0.00237	0.00097	0.00096	0.00076	0.00056	0.00055	0.00057	0.00773	0.00081
Molybdenum [mg/L]	03-Feb-09	13:27	0.00045	0.00043	0.00039	0.00058	0.00059	0.00050	0.00027	0.00011	0.00057
Sodium [mg/L]	03-Feb-09	11:29	10.3	7.97	7.23	8.35	9.13	11.1	7.63	2.95	8.52
Nickel [mg/L]	03-Feb-09	13:27	0.0003	0.0002	0.0003	0.0002	0.0003	0.0004	0.0003	0.0002	0.0009
Lead [mg/L]	03-Feb-09	13:28	0.00003	0.00004	0.00008	0.00002	0.00002	0.00004	0.00007	0.00003	0.00007
Antimony [mg/L]	03-Feb-09	13:28	0.00327	0.00413	0.00268	0.00541	0.00532	0.00549	0.00302	0.00046	0.00434
Selenium [mg/L]	03-Feb-09	13:28	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Tin [mg/L]	03-Feb-09	13:28	0.00005	0.00008	0.00007	0.00004	0.00008	0.00005	0.00007	0.00006	0.00005
Strontium [mg/L]	03-Feb-09	11:29	0.0524	0.0468	0.128	0.0371	0.0392	0.0549	0.0494	0.204	0.0531
Titanium [mg/L]	03-Feb-09	13:28	0.0003	0.0002	0.0002	0.0006	0.0008	0.0004	0.0002	< 0.0001	0.0003
Thallium [mg/L]	03-Feb-09	13:28	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Uranium [mg/L]	03-Feb-09	13:28	0.000164	0.000074	0.000072	0.000125	0.000121	0.000078	0.000095	0.000023	0.000056
Vanadium [mg/L]	03-Feb-09	13:28	0.00352	0.00388	0.00225	0.00667	0.00680	0.00244	0.00256	0.00013	0.00202
Tungsten [mg/L]	03-Feb-09	13:28	0.00056	0.00071	0.00193	0.00078	0.00078	0.00066	0.00079	0.00004	0.00115
Yttrium [mg/L]	03-Feb-09	13:28	0.000015	0.000012	0.000015	0.000018	0.000015	0.000029	0.000016	0.000014	0.000020
Zinc [mg/L]	03-Feb-09	13:28	0.003	0.005	0.006	0.004	0.003	0.003	0.006	0.023	0.007

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Environmental Services, Analytical



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shakefask (4:1 DI leach 24hrs 0.45µm)

Wednesday, February 18, 2009

Date Rec. : 19 January 2009
LR Report: CA10314-JAN09
Reference: 08-1122-0292

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis		14:	15:	16:	17:	18:	19:	20:	21:	22:	23:
		M07-663-02	M07-663-03	M03-496-02	M06-604-01	M06-604-02	M05-571A-02	M99-280-01	M99-280-01	M04-526-01	GT08-01-02
		Dup									
Sample Date & Time	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a
Sample [weight(g)]	200	200	200	200	200	200	200	200	200	200	200
Volume mL [D.I. H2O]	800	800	800	800	800	800	800	800	800	800	800
Initial pH [units]	9.52	9.66	9.72	9.62	9.75	9.75	9.39	9.71	9.75	9.76	9.33
Final pH [units]	9.28	9.34	8.69	9.40	9.16	9.16	9.31	8.90	8.92	8.74	9.25
Alkalinity [mg/L as CaCO3]	51	50	67	48	55	55	54	52	51	53	48
pH [no unit]	8.16	8.22	8.30	8.11	8.15	8.15	8.16	8.01	8.03	8.09	8.13
Conductivity [µS/cm]	140	108	134	113	118	118	120	114	112	117	201
Chloride [mg/L]	9.0	2.4	0.9	1.8	1.3	1.3	0.9	1.5	1.5	1.8	33
Sulphate [mg/L]	5.6	2.3	0.7	6.3	3.6	3.6	4.6	2.1	2.1	2.6	4.6
Mercury [mg/L]	< 0.0001	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Silver [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00014	0.00008
Aluminum [mg/L]	0.45	0.62	0.49	0.27	0.47	0.47	0.36	0.45	0.49	0.32	0.54
Arsenic [mg/L]	0.0262	0.0092	0.0032	0.0293	0.0084	0.0084	0.0309	0.0033	0.0029	0.0060	0.0829
Boron [mg/L]	0.149	0.0896	0.0090	0.255	0.171	0.171	0.196	0.108	0.0995	0.0928	0.102
Beryllium [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	0.00014	0.00008
Bismuth [mg/L]	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00013	0.00007
Calcium [mg/L]	8.83	8.36	18.1	7.02	10.4	10.4	8.11	14.2	14.2	19.3	10.8
Cadmium [mg/L]	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000130	0.000067
Cobalt [mg/L]	0.000135	0.000067	0.000038	0.000071	0.000036	0.000036	0.000065	0.000027	0.000031	0.000156	0.000166



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shakefask (4:1 DI leach 24hrs 0.45µm)

LR Report : CA10314-JAN09

Analysis	14:	15:	16:	17:	18:	19:	20:	21:	22:	23:
	M07-663-02	M07-663-03	M03-496-02	M06-604-01	M06-604-02	M05-571A-02	M99-280-01	M99-280-01 Dup	M04-526-01	GT08-01-02
Chromium [mg/L]	< 0.0005	< 0.0005	< 0.0005	0.0007	< 0.0005	0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Copper [mg/L]	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Iron [mg/L]	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Potassium [mg/L]	10.4	7.67	7.72	6.14	7.20	7.37	6.35	5.99	1.04	11.0
Lithium [mg/L]	0.001	0.001	0.001	0.001	< 0.001	0.001	0.001	< 0.001	< 0.001	0.003
Magnesium [mg/L]	2.18	2.08	2.69	1.31	1.58	1.89	1.37	1.35	1.53	3.24
Manganese [mg/L]	0.00079	0.00099	0.00200	0.00050	0.00075	0.00060	0.00070	0.00073	0.00196	0.00195
Molybdenum [mg/L]	0.00060	0.00044	0.00049	0.00094	0.00020	0.00089	0.00022	0.00019	0.00016	0.00060
Sodium [mg/L]	11.6	6.90	1.65	11.8	8.02	8.85	2.27	2.35	2.02	18.6
Nickel [mg/L]	0.0010	0.0004	0.0002	0.0003	0.0001	0.0004	0.0001	0.0001	0.0002	0.0012
Lead [mg/L]	0.00005	0.00006	< 0.00002	0.00008	0.00003	0.00002	< 0.00002	< 0.00002	0.00014	0.00009
Antimony [mg/L]	0.00287	0.00357	0.00064	0.00443	0.00345	0.00374	0.00116	0.00112	0.00079	0.00294
Selenium [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Tin [mg/L]	0.00007	0.00004	0.00002	0.00006	0.00005	0.00004	0.00005	0.00004	0.00006	0.00006
Strontium [mg/L]	0.0594	0.0429	0.0928	0.0538	0.0694	0.0504	0.118	0.118	0.268	0.0713
Titanium [mg/L]	0.0003	0.0002	< 0.0001	0.0007	0.0001	0.0004	< 0.0001	< 0.0001	< 0.0001	0.0006
Thallium [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	0.00013	0.00007
Uranium [mg/L]	0.000051	0.000039	0.000007	0.000069	0.000023	0.000053	0.000025	0.000014	0.000176	0.000228
Vanadium [mg/L]	0.00135	0.00161	0.00010	0.00232	0.00037	0.00140	0.00010	0.00009	0.00019	0.00237
Tungsten [mg/L]	0.00190	0.00081	0.00039	0.00091	0.00070	0.00094	0.00055	0.00051	0.00031	0.00756
Yttrium [mg/L]	0.000014	0.000011	0.000006	0.000029	0.000012	0.000024	0.000007	0.000008	0.000142	0.000077
Zinc [mg/L]	0.008	0.007	< 0.001	0.003	0.019	0.006	0.017	0.016	0.017	0.007

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shakefask (4:1 DI leach 24hrs 0.45µm)

Wednesday, February 18, 2009

Date Rec.: 19 January 2009
LR Report: CA10314-JAN09
Reference: 08-1122-0292

Copy: #1

CERTIFICATE OF ANALYSIS Final Report

Analysis		24:	25:	26:	27:	28:	29:	30:	31:	32:	33:
		GT08-02-01	GT08-04-02	GT08-04-03	M07-704-01	M07-704-02	M99-339-01	M99-340-01	M99-340-03	M99-341-01	M99-341-01 Dup
Sample Date & Time	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a
Sample [weight(g)]	200	200	200	200	200	200	200	200	200	200	200
Volume mL [D.I. H ₂ O]	800	800	800	800	800	800	800	800	800	800	800
Initial pH [units]	9.76	9.83	9.63	9.79	9.63	9.63	9.61	9.81	9.80	9.84	9.85
Final pH [units]	9.14	8.96	8.39	9.32	9.34	9.03	9.03	8.90	9.46	8.89	8.87
Alkalinity [mg/L as CaCO ₃]	57	78	106	50	51	61	61	77	43	77	80
pH [no unit]	8.27	8.42	8.28	8.28	8.29	8.24	8.24	8.42	8.17	8.36	8.25
Conductivity [µS/cm]	184	188	357	140	132	124	124	143	92	160	166
Chloride [mg/L]	20	11	23	5.9	7.5	1.3	1.3	0.5	0.4	1.0	0.8
Sulphate [mg/L]	5.2	2.5	19	5.4	4.4	2.2	2.2	1.2	3.1	1.7	3.2
Mercury [mg/L]	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Silver [mg/L]	0.00005	0.00003	0.00002	0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Aluminum [mg/L]	0.56	0.69	0.21	0.87	0.76	0.58	0.58	0.65	0.88	0.64	0.41
Arsenic [mg/L]	0.0205	0.0332	0.113	0.122	0.141	0.0280	0.0280	0.0128	0.219	0.0247	0.0272
Boron [mg/L]	0.0967	0.0211	0.0277	0.0889	0.0977	0.0886	0.0886	0.0111	0.0917	0.0142	0.0997
Beryllium [mg/L]	0.00006	0.00003	0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002
Bismuth [mg/L]	0.00005	0.00002	0.00002	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001	<0.00001
Calcium [mg/L]	10.2	11.2	30.9	8.35	7.55	12.9	12.9	13.2	8.11	13.5	13.5
Cadmium [mg/L]	0.000042	0.000021	0.000014	0.000008	0.000003	<0.000003	<0.000003	<0.000003	<0.000003	<0.000003	<0.000003
Cobalt [mg/L]	0.000092	0.000111	0.000160	0.000052	0.000065	0.000043	0.000043	0.000059	0.000052	0.000088	0.000107



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shakefask (4:1 DI leach 24hrs 0.45µm)

LR Report : CA10314-JAN09

Analysis	24:	25:	26:	27:	28:	29:	30:	31:	32:	33:
	GT08-02-01	GT08-04-02	GT08-04-03	M07-704-01	M07-704-02	M89-339-01	M89-340-01	M89-340-03	M89-341-01	M89-341-01 Dup
Chromium [mg/L]	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Copper [mg/L]	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Iron [mg/L]	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Potassium [mg/L]	10.5	4.47	8.79	11.0	10.7	7.40	5.81	7.55	6.00	4.88
Lithium [mg/L]	0.002	0.004	0.005	0.002	0.002	0.002	0.003	0.002	0.003	0.003
Magnesium [mg/L]	2.70	5.77	10.4	1.53	2.08	2.64	5.98	1.06	6.73	6.86
Manganese [mg/L]	0.00197	0.00392	0.0399	0.00203	0.00108	0.00133	0.00368	0.00110	0.00353	0.00368
Molybdenum [mg/L]	0.00072	0.00041	0.00066	0.00289	0.00098	0.00058	0.00015	0.00087	0.00033	0.00032
Sodium [mg/L]	17.0	16.7	18.4	9.96	10.9	5.48	6.13	5.42	6.66	8.75
Nickel [mg/L]	0.0006	0.0011	0.0015	0.0008	0.0006	0.0003	0.0004	0.0008	0.0008	0.0009
Lead [mg/L]	0.00011	0.00005	0.00004	0.00005	0.00003	0.00005	< 0.00002	0.00003	< 0.00002	0.00002
Antimony [mg/L]	0.00090	0.00263	0.00399	0.00422	0.00437	0.00156	0.00520	0.00485	0.00513	0.00468
Selenium [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Tin [mg/L]	0.00011	0.00007	0.00010	0.00007	0.00003	0.00003	0.00003	0.00004	0.00002	0.00005
Strontium [mg/L]	0.0533	0.0209	0.0578	0.0491	0.0412	0.0526	0.0277	0.0416	0.0300	0.0392
Titanium [mg/L]	0.0004	< 0.0001	0.0005	0.0004	0.0007	0.0002	< 0.0001	0.0006	0.0001	< 0.0001
Thallium [mg/L]	0.00005	0.00003	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Uranium [mg/L]	0.000122	0.000039	0.000084	0.000161	0.000150	0.000052	0.000018	0.000499	0.000021	0.000025
Vanadium [mg/L]	0.00058	0.00091	0.00030	0.00221	0.00257	0.00036	0.00060	0.00449	0.00066	0.00063
Tungsten [mg/L]	0.00090	0.00087	0.00071	0.00064	0.00069	0.00079	0.00053	0.00046	0.00059	0.00058
Yttrium [mg/L]	0.000056	0.000024	0.000015	0.000023	0.000022	0.000017	0.000008	0.000025	0.000003	0.000013
Zinc [mg/L]	0.008	< 0.001	< 0.001	0.006	0.006	0.011	< 0.001	0.005	< 0.001	0.017

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shakefask (4:1 DI leach 24hrs 0.45µm)

Wednesday, February 18, 2009

Date Rec. : 19 January 2009
LR Report: CA10314-JAN09
Reference: 08-1122-0292

Copy: #1

CERTIFICATE OF ANALYSIS Final Report

Analysis		34:	35:	36:	37:	38:	39:	40:	41:	42:	43:
		M99-341-02	M99-346-02	M99-349-01	M99-349-02	M95-17-01	M95-17-02	M99-403-02	M99-403-02	M99-403-03	M99-404-04
		Dup									
Sample Date & Time	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a
Sample [weight(g)]	200	200	200	200	200	200	200	200	200	200	200
Volume mL [D.I. H ₂ O]	800	800	800	800	800	800	800	800	800	800	800
Initial pH [units]	9.81	9.78	9.61	9.69	9.80	9.82	9.82	9.74	9.74	9.79	9.82
Final pH [units]	9.38	9.44	8.92	8.94	9.37	9.48	9.48	9.10	9.10	9.09	9.43
Alkalinity [mg/L as CaCO ₃]	53	49	61	68	45	44	44	56	57	55	42
pH [no unit]	8.36	7.99	8.22	8.30	8.15	8.03	8.03	8.21	8.28	8.16	8.19
Conductivity [µS/cm]	116	109	146	145	104	101	101	116	116	118	92
Chloride [mg/L]	0.6	0.8	1.0	1.7	0.8	0.6	0.6	1.4	1.4	1.2	0.7
Sulphate [mg/L]	3.6	5.0	5.2	4.2	4.2	5.7	5.7	2.6	2.5	1.8	3.8
Mercury [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Silver [mg/L]	< 0.0001	< 0.0001	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.00016	0.00008	0.00004	0.00004
Aluminum [mg/L]	0.64	0.45	0.50	0.47	0.83	0.60	0.60	0.57	0.60	0.68	0.94
Arsenic [mg/L]	0.173	0.0319	0.0171	0.0037	0.0190	0.0316	0.0316	0.0705	0.0726	0.0512	0.0330
Boron [mg/L]	0.0854	0.224	0.0870	0.0919	0.165	0.168	0.168	0.0739	0.0702	0.0858	0.0803
Beryllium [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	0.00016	0.00009	0.00006	0.00005
Bismuth [mg/L]	< 0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	0.00014	0.00008	0.00004	0.00004
Calcium [mg/L]	10.1	7.84	14.8	14.4	8.47	7.77	7.77	11.0	11.1	11.1	8.19
Cadmium [mg/L]	< 0.000003	< 0.000003	0.000012	< 0.000003	< 0.000003	< 0.000003	< 0.000003	0.000139	0.000072	0.000041	0.000032
Cobalt [mg/L]	0.000065	0.000078	0.000053	0.000046	0.000050	0.000057	0.000057	0.000177	0.000118	0.000072	0.000083



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shakefask (4:1 DI leach 24hrs 0.45µm)

LR Report : CA10314-JAN09

Analysis	34: M99-341-02	35: M99-346-02	36: M99-349-01	37: M99-349-02	38: M95-17-01	39: M95-17-02	40: M99-403-02	41: M99-403-02 Dup	42: M99-403-03	43: M99-404-04
Chromium [mg/L]	< 0.0005	0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Copper [mg/L]	< 0.0005	0.0009	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Iron [mg/L]	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Potassium [mg/L]	7.73	7.83	8.36	9.95	7.12	6.56	7.54	7.74	8.23	8.70
Lithium [mg/L]	0.002	0.002	3.03	3.24	0.001	0.002	0.001	0.001	< 0.001	< 0.001
Magnesium [mg/L]	2.50	1.43	3.03	3.24	1.03	1.18	2.53	2.54	2.02	1.27
Manganese [mg/L]	0.00194	0.00120	0.00166	0.00293	0.00098	0.00119	0.00186	0.00177	0.00139	0.00127
Molybdenum [mg/L]	0.00047	0.00049	0.00032	0.00077	0.00061	0.00059	0.00083	0.00086	0.00059	0.00047
Sodium [mg/L]	5.95	8.10	5.43	5.77	6.63	7.37	6.20	5.87	4.75	5.08
Nickel [mg/L]	0.0008	0.0005	0.0002	0.0003	0.0004	0.0004	0.0006	0.0006	0.0003	0.0006
Lead [mg/L]	0.00004	0.00006	0.00003	< 0.00002	0.00002	0.00004	0.00017	0.00010	0.00005	0.00008
Antimony [mg/L]	0.00409	0.00525	0.00209	0.00237	0.00335	0.00399	0.00123	0.00122	0.00139	0.00363
Selenium [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Tin [mg/L]	0.00004	0.00035	0.00003	0.00004	0.00009	0.00004	0.00004	0.00005	0.00006	0.00008
Strontium [mg/L]	0.0484	0.0492	0.0572	0.117	0.0524	0.0497	0.0410	0.0399	0.0675	0.0393
Titanium [mg/L]	0.0001	0.0008	0.0002	0.0003	0.0005	0.0002	0.0004	0.0004	0.0001	0.0005
Thallium [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	0.00014	0.00008	0.00004	0.00003
Uranium [mg/L]	0.000877	0.000142	0.00051	0.000154	0.000099	0.000168	0.000219	0.000157	0.000070	0.000198
Vanadium [mg/L]	0.00332	0.00287	0.00025	0.00026	0.00181	0.00363	0.00066	0.00060	0.00037	0.00301
Tungsten [mg/L]	0.00068	0.00044	0.00111	0.00096	0.00114	0.00682	0.00111	0.00111	0.00082	0.00035
Yttrium [mg/L]	0.000009	0.000029	0.000016	0.000017	0.000014	0.000020	0.000151	0.000074	0.000050	0.000050
Zinc [mg/L]	0.006	0.011	0.013	0.013	0.007	0.007	0.009	0.009	0.010	0.006

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shakefask (4:1 DI leach 24hrs 0.45µm)

Wednesday, February 18, 2009

Date Rec. : 19 January 2009
LR Report: CA10314-JAN09
Reference: 08-1122-0292

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis		44:	45:	46:	47:	48:	49:	50:	51:	52:	53:	54:
		M07-710-02	M00-474-01	M00-474-04	M07-660-02	M98-194-01	M98-194-02	M98-194-03	M07-678-01	M07-713-01	M07-713-01	M07-713-02
											Dup	
Sample Date & Time	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a	Date:n/a
Sample [weight(g)]	200	200	200	200	200	200	200	200	200	200	200	200
Volume mL [D.I. H ₂ O]	800	800	800	800	800	800	800	800	800	800	800	800
Initial pH [units]	9.83	9.91	9.85	9.83	9.60	9.78	9.71	9.83	9.83	9.50	9.68	9.68
Final pH [units]	9.12	9.18	9.21	9.41	9.17	9.12	9.36	8.99	9.22	9.22	9.42	9.42
Alkalinity [mg/L as CaCO ₃]	51	40	39	56	54	51	79	50	58	60	42	42
pH [no unit]	8.24	8.22	8.34	8.29	8.16	8.13	8.53	8.15	8.32	8.36	8.28	8.28
Conductivity [µS/cm]	110	77	88	118	109	104	149	100	120	123	93	93
Chloride [mg/L]	3.4	0.8	1.1	1.5	1.2	1.3	1.1	2.3	2.9	3.2	3.4	3.4
Sulphate [mg/L]	2.4	0.7	2.0	2.0	3.2	1.6	3.2	0.9	1.2	1.4	1.2	1.2
Mercury [mg/L]	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Silver [mg/L]	0.00002	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Aluminum [mg/L]	0.74	1.00	0.71	1.33	0.95	0.81	1.05	0.51	0.87	0.87	1.17	1.17
Arsenic [mg/L]	0.0067	0.0114	0.0092	0.0082	0.0704	0.0107	0.149	0.0214	0.0202	0.0181	0.0093	0.0093
Boron [mg/L]	0.0737	0.0105	0.0795	0.0124	0.0104	0.0091	0.0111	0.0104	0.0104	0.0104	0.0120	0.0120
Beryllium [mg/L]	0.00003	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Bismuth [mg/L]	0.00002	0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Calcium [mg/L]	11.7	9.81	9.94	7.91	12.7	12.5	8.72	11.6	10.9	11.0	7.13	7.13
Cadmium [mg/L]	0.000016	0.000006	0.000006	0.000003	0.000004	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003	< 0.000003
Cobalt [mg/L]	0.000053	0.000048	0.000039	0.000040	0.000067	0.000043	0.000047	0.000102	0.000042	0.000037	0.000030	0.000030



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shakefask (4:1 DI leach 24hrs 0.45µm)

LR Report : CA10314-JAN09

Analysis	44: M07-710-02	45: M00-474-01	46: M00-474-04	47: M07-660-02	48: M98-194-01	49: M98-194-02	50: M98-194-03	51: M07-678-01	52: M07-713-01	53: M07-713-01 Dup	54: M07-713-02
Chromium [mg/L]	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Copper [mg/L]	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Iron [mg/L]	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01
Potassium [mg/L]	7.27	2.20	6.20	9.35	9.74	8.16	10.6	3.65	10.6	10.9	10.5
Lithium [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	0.002	0.001	< 0.001	0.001	0.001	0.001	< 0.001
Magnesium [mg/L]	1.29	1.50	1.23	0.813	2.40	1.89	1.47	7.91	2.36	2.43	1.38
Manganese [mg/L]	0.00165	0.00423	0.00153	0.00052	0.00185	0.00182	0.00069	0.00179	0.00111	0.00124	0.00050
Molybdenum [mg/L]	0.00041	0.00009	0.00038	0.00050	0.00059	0.00043	0.00139	0.00012	0.00035	0.00039	0.00050
Sodium [mg/L]	5.92	3.02	5.88	3.44	3.78	3.48	3.17	7.33	5.31	5.25	4.71
Nickel [mg/L]	0.0003	0.0005	0.0003	0.0003	0.0005	0.0003	0.0013	0.0011	0.0004	0.0003	0.0002
Lead [mg/L]	0.00009	0.00002	0.00003	< 0.00002	0.00004	0.00006	0.00004	0.00003	0.00004	0.00004	0.00076
Antimony [mg/L]	0.00173	0.00174	0.00136	0.00456	0.00129	0.00118	0.00630	0.00112	0.00194	0.00199	0.00443
Selenium [mg/L]	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Tin [mg/L]	0.00013	0.00011	0.00006	0.00003	0.00004	0.00003	0.00030	0.00018	0.00003	0.00026	0.00003
Strontium [mg/L]	0.160	0.0299	0.103	0.0392	0.0568	0.0795	0.0515	0.0347	0.0441	0.0449	0.0278
Titanium [mg/L]	0.0001	< 0.0001	0.0003	0.0002	0.0001	0.0001	< 0.0001	0.0001	0.0002	0.0003	0.0005
Thallium [mg/L]	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
Uranium [mg/L]	0.000074	0.000021	0.000059	0.000128	0.000398	0.000239	0.000293	0.000042	0.000238	0.000175	0.000112
Vanadium [mg/L]	0.00020	0.00078	0.00031	0.00174	0.00092	0.00033	0.00259	0.00052	0.00052	0.00046	0.00172
Tungsten [mg/L]	0.00067	0.00053	0.00059	0.00066	0.00112	0.00073	0.00097	0.00035	0.00080	0.00075	0.00050
Yttrium [mg/L]	0.000028	0.00011	0.000014	0.000007	0.000007	0.000005	0.000007	0.000003	0.000007	0.000010	0.000009
Zinc [mg/L]	0.010	< 0.001	0.009	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001

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Thursday, December 18, 2008

Date Rec. : 19 November 2008
LR Report: CA10538-NOV08
Reference: Meliadine West (Golder
08-1122-0292)

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %
5: M04-527-01	64.0	15.5	5.35	2.24	1.73	3.19	2.35	0.59	0.12	0.04	0.03	0.02	3.87	99.1
6: M05-559A-02	61.1	17.4	6.16	2.78	1.65	2.64	2.68	0.68	0.13	0.05	0.03	0.02	4.13	99.5
7: M04-533-01	54.6	16.7	8.07	3.26	2.93	2.36	3.78	0.72	0.18	0.07	0.02	0.03	5.39	98.0
8: M04-533-02	59.7	17.4	5.70	2.53	2.54	2.81	3.02	0.69	0.13	0.05	0.03	0.02	4.20	98.8
9: M07-719-01	63.8	14.9	4.75	1.88	2.81	2.88	2.59	0.55	0.11	0.03	0.04	0.02	4.72	99.1
10: M99-327-01	63.5	15.0	5.62	2.15	2.33	2.65	2.61	0.55	0.11	0.05	0.02	0.02	4.34	98.9
11: M07-645-01	61.2	17.3	6.63	2.84	1.64	2.72	2.63	0.69	0.13	0.05	0.02	0.02	4.10	99.9
12: M98-313-01	62.7	15.5	6.52	2.32	2.13	2.74	2.40	0.65	0.12	0.04	0.02	0.02	4.35	99.5
13: M98-313-02	59.5	17.4	8.15	2.83	1.30	2.17	3.12	0.71	0.14	0.05	0.02	0.03	3.89	99.3
14: M07-649-01	49.6	5.30	27.1	1.34	3.92	0.54	0.23	0.11	0.18	0.07	< 0.01	0.01	9.81	98.2
15: M07-663-01	59.0	16.7	8.77	2.83	1.73	2.59	2.73	0.70	0.13	0.06	0.02	0.02	4.19	99.4
16: M07-663-02	58.1	17.0	7.70	2.70	1.83	2.28	3.01	0.72	0.12	0.04	0.02	0.03	4.69	98.2
17: M07-663-03	60.2	15.4	7.73	2.84	2.47	2.79	2.23	0.68	0.13	0.07	0.01	0.02	4.79	99.3
18: M03-496-01	55.9	10.3	16.5	1.46	3.11	1.59	1.66	0.29	0.13	0.05	< 0.01	0.01	6.25	97.3
19: M03-496-02	57.1	11.2	15.1	1.75	4.38	0.96	1.44	0.36	0.12	0.05	< 0.01	0.02	6.24	98.8
20: M06-604-01	60.5	17.8	6.90	2.78	1.09	3.05	2.67	0.69	0.13	0.04	0.02	0.03	3.76	99.5
21: M06-604-02	58.5	15.4	9.29	2.06	2.82	2.18	2.43	0.49	0.10	0.05	0.01	0.02	4.97	98.3
22: M06-604-03	64.8	14.5	4.63	1.86	2.56	3.54	1.96	0.52	0.10	0.05	0.02	0.02	3.84	98.4
23: M05-571A-01	61.4	15.0	7.77	1.99	2.51	2.27	2.65	0.46	0.11	0.04	< 0.01	0.01	4.64	98.9
24: M05-571A-02	59.7	16.9	7.84	2.62	1.45	2.39	2.87	0.67	0.12	0.05	0.02	0.02	4.27	99.0
25: M99-280-01	49.8	5.91	36.2	1.57	3.15	0.04	0.59	0.16	0.19	0.05	< 0.01	< 0.01	2.54	100.2
26: M04-526-01	54.9	5.55	24.0	1.25	6.72	< 0.01	0.15	0.13	0.17	0.06	< 0.01	< 0.01	5.48	98.5
27: GT08-01-01	66.0	14.9	5.11	2.00	1.85	3.37	2.16	0.51	0.10	0.04	0.01	0.02	3.80	99.9
28: GT08-01-02	65.7	15.2	4.59	1.95	1.68	3.84	2.04	0.53	0.10	0.04	0.01	0.02	3.48	99.1
29: GT08-02-01	62.4	14.9	7.39	1.60	2.82	4.10	1.96	0.44	0.10	0.05	< 0.01	0.02	4.57	100.3
30: GT08-04-01	43.2	13.2	11.5	4.52	11.8	2.44	0.26	0.89	0.06	0.22	0.02	0.05	11.3	99.5
31: GT08-04-02	42.8	11.9	8.26	3.95	12.9	1.75	1.02	0.71	0.06	0.24	0.02	0.04	16.2	99.9
32: GT08-04-03	34.2	10.6	16.3	3.63	12.5	1.05	1.30	0.61	0.07	0.53	0.02	0.04	14.0	94.8
33: M07-704-01	58.2	16.5	6.75	2.47	3.48	2.31	2.85	0.63	0.13	0.08	0.02	0.02	5.45	99.0
34: M07-704-02	62.4	16.2	5.60	2.33	1.66	2.74	2.65	0.61	0.12	0.04	0.02	0.02	4.09	98.5



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Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %
35: M03-513-01	62.8	15.0	5.70	2.04	2.24	3.14	2.60	0.57	0.11	0.04	0.02	0.02	4.44	98.7
36: M07-705-01	66.1	14.2	4.83	1.76	2.42	3.16	2.25	0.54	0.12	0.04	0.02	0.02	3.86	99.3
37: M98-316-01	64.0	14.1	4.83	1.85	2.64	3.34	2.34	0.52	0.09	0.05	0.02	0.02	4.57	98.3
38: M99-339-01	63.9	12.9	9.53	1.64	2.29	2.85	1.59	0.35	0.11	0.04	< 0.01	0.01	4.29	99.5
39: M99-340-01	43.2	13.3	9.85	3.91	11.0	1.89	1.33	0.86	0.08	0.20	0.03	0.05	13.7	99.5
40: M99-340-03	64.9	15.7	5.21	2.25	1.89	3.23	2.20	0.57	0.11	0.05	0.01	0.02	3.52	99.7
41: M99-341-01	40.9	12.4	10.2	4.42	11.8	1.37	1.36	0.82	0.08	0.18	0.03	0.04	14.9	98.5
42: M99-341-02	63.0	14.7	4.90	1.79	3.24	3.75	2.23	0.58	0.17	0.05	0.01	0.02	4.71	99.1
43: M99-345-01	61.3	14.7	6.74	1.49	2.88	3.70	2.38	0.41	0.08	0.06	< 0.01	0.01	4.99	98.8
44: M99-346-02	63.7	16.3	5.74	2.51	1.62	2.95	2.51	0.61	0.12	0.05	0.02	0.02	3.80	99.9
45: M99-349-01	61.3	14.2	8.97	1.59	2.61	4.06	1.55	0.40	0.13	0.04	< 0.01	< 0.01	3.89	98.8
46: M99-349-02	60.3	13.9	7.80	1.29	3.78	3.45	2.23	0.40	0.16	0.05	< 0.01	0.01	5.94	99.3
47: M99-350-02	63.0	16.1	5.73	2.41	1.71	2.59	2.77	0.60	0.13	0.04	0.02	0.03	3.93	99.0
48: M95-17-01	62.6	15.7	6.78	2.49	1.85	2.36	2.37	0.58	0.12	0.05	0.02	0.03	3.68	98.6
49: M95-17-02	64.0	15.8	5.22	2.40	1.73	3.10	2.24	0.60	0.12	0.05	0.02	0.02	3.41	98.7
50: M99-403-01	47.6	11.4	9.68	3.39	9.63	0.90	1.94	0.64	0.08	0.17	0.02	0.04	12.7	98.2
51: M99-403-02	60.5	14.3	8.09	1.70	2.76	4.14	1.54	0.43	0.11	0.05	< 0.01	0.01	4.61	98.3
52: M99-403-03	61.9	13.4	9.95	1.69	2.41	2.39	2.00	0.34	0.09	0.04	< 0.01	0.01	4.46	98.7
53: M99-403-04	64.6	15.9	5.37	1.85	2.61	3.33	2.50	0.59	0.12	0.04	0.02	0.02	4.05	101.0
54: M99-404-01	62.3	14.6	7.30	1.25	3.40	3.94	1.91	0.42	0.09	0.04	< 0.01	< 0.01	4.27	99.5
55: M99-404-02	65.0	14.9	5.75	1.98	2.23	3.35	2.20	0.57	0.12	0.04	0.02	0.02	3.86	100.0
56: M99-404-04	62.2	16.6	5.95	2.57	2.05	2.90	2.47	0.64	0.13	0.05	0.02	0.02	3.83	99.4
57: M07-710-02	61.1	13.1	8.81	1.11	4.41	3.44	1.50	0.31	0.13	0.04	< 0.01	< 0.01	5.25	99.2
58: M00-474-01	40.7	12.8	10.3	3.73	14.1	2.70	0.43	0.75	0.05	0.29	0.02	0.05	13.5	99.4
59: M00-474-02	41.3	12.4	9.97	4.47	11.1	1.59	1.36	0.79	0.07	0.26	0.02	0.04	14.8	98.2
60: M00-474-04	62.0	12.5	8.87	1.13	3.92	3.63	1.34	0.27	0.08	0.04	< 0.01	0.01	4.41	98.3
61: M00-474-05	61.7	15.7	6.44	2.34	2.17	2.59	2.55	0.60	0.12	0.05	0.03	0.02	3.84	98.2
62: M98-297-01	39.3	13.3	9.51	3.79	12.3	1.47	1.99	0.86	0.07	0.29	0.03	0.05	15.1	98.0
63: M98-297-02	64.4	14.8	6.59	1.13	2.63	4.07	1.97	0.34	0.11	0.03	< 0.01	< 0.01	3.58	99.7
64: M98-297-04	62.0	16.6	6.44	2.80	1.67	2.40	2.54	0.66	0.13	0.04	0.02	0.02	3.71	99.0
65: M07-711-01	59.8	12.3	13.2	1.35	3.63	2.33	1.48	0.28	0.10	0.04	< 0.01	< 0.01	4.71	99.2
66: M07-660-01	65.0	13.3	5.48	1.20	3.28	3.43	2.25	0.38	0.10	0.04	< 0.01	0.01	4.62	99.1
67: M07-660-02	58.9	16.4	8.64	2.78	2.38	2.20	2.52	0.68	0.15	0.06	0.02	0.02	4.31	99.1
68: M98-194-01	63.3	13.7	8.31	1.34	3.22	4.08	1.81	0.35	0.11	0.04	< 0.01	0.01	4.95	101.2
69: M98-194-02	64.9	12.5	8.18	1.01	3.12	3.20	1.91	0.31	0.09	0.04	< 0.01	< 0.01	4.39	99.6
70: M98-194-03	61.2	16.4	6.83	2.58	1.63	2.31	2.91	0.62	0.13	0.04	0.01	0.02	4.19	99.0
71: M07-678-01	42.3	12.2	11.1	5.86	9.43	1.80	0.75	0.78	0.06	0.17	0.02	0.05	14.6	99.1
72: M07-678-02	60.8	14.0	8.63	1.79	3.55	3.62	2.15	0.45	0.12	0.05	< 0.01	0.02	5.59	100.8
73: M07-678-03	65.1	14.5	6.04	1.18	2.04	4.15	2.01	0.29	0.09	0.03	< 0.01	< 0.01	3.65	99.1
74: M98-269-01	61.1	14.8	7.77	1.48	2.62	3.76	2.13	0.40	0.10	0.05	< 0.01	< 0.01	4.73	98.9
75: M98-269-02	61.0	12.8	11.1	1.28	3.17	2.86	1.68	0.26	0.10	0.03	< 0.01	< 0.01	4.18	98.4
76: M98-269-03	61.5	15.5	6.53	2.26	2.57	3.15	2.22	0.58	0.13	0.05	0.02	0.02	3.97	98.6
77: M07-713-01	62.6	14.5	7.59	1.40	2.57	3.54	2.26	0.39	0.08	0.04	< 0.01	< 0.01	4.66	99.6
78: M07-713-02	60.3	16.4	8.26	2.76	1.62	2.52	2.57	0.65	0.14	0.05	0.02	0.02	3.77	99.2

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Wednesday, December 03, 2008

Date Rec.: 19 November 2008
Reference: Comaplex Minerals: Meliadine West
LR. Ref.: CA10539-NOV08
Project: 08-1122-0292

Copy to: #2

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: M04-527-01	6: M05-559A-02	7: M04-533-01	8: M04-533-02	9: M07-719-01	10: M99-327-01	11: M07-645-01	12: M98-313-01	13: M98-313-02	14: M07-649-01	15: M07-663-01
Sample Date & Time			Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A
Mercury [µg/g]	02-Dec-08	14:04	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Silver [µg/g]	02-Dec-08	14:13	0.88	0.64	0.58	0.40	0.37	0.40	0.39	0.38	0.38	0.16	0.37
Aluminum [µg/g]	02-Dec-08	12:00	84000	92000	89000	93000	78000	80000	85000	83000	94000	27000	85000
Arsenic [µg/g]	02-Dec-08	14:13	100	31	130	250	28	44	140	84	25	330	1500
Barium [µg/g]	02-Dec-08	14:13	530	580	3100	790	630	570	620	660	1200	73	720
Beryllium [µg/g]	02-Dec-08	14:13	0.97	1.0	3.5	1.1	1.0	1.1	1.0	1.1	1.2	0.26	1.2
Bismuth [µg/g]	02-Dec-08	14:13	0.30	0.13	0.54	0.13	0.15	0.20	0.19	0.21	0.13	< 0.09	0.15
Calcium [µg/g]	02-Dec-08	12:00	12000	11000	20000	18000	19000	16000	11000	14000	8800	27000	11000
Cadmium [µg/g]	02-Dec-08	14:14	0.18	0.14	0.22	0.43	0.12	0.09	0.12	0.08	0.15	0.33	0.16
Cobalt [µg/g]	02-Dec-08	14:14	19	20	23	21	19	17	20	18	20	5.1	20
Chromium [µg/g]	02-Dec-08	14:14	150	160	130	160	120	120	130	120	160	19	120
Copper [µg/g]	02-Dec-08	14:14	86	68	43	700	33	70	54	25	66	41	63
Iron [µg/g]	02-Dec-08	12:01	39000	44000	58000	40000	33000	40000	45000	46000	45000	180000	59000
Potassium [µg/g]	02-Dec-08	12:01	25000	28000	37000	32000	27000	27000	27000	25000	33000	2400	27000
Lithium [µg/g]	02-Dec-08	14:14	28	47	40	35	19	26	41	32	44	6	34
Magnesium [µg/g]	02-Dec-08	12:01	14000	17000	19000	15000	11000	12000	16000	14000	16000	7600	18000
Manganese [µg/g]	02-Dec-08	14:14	320	330	480	350	220	310	310	260	300	460	360
Molybdenum [µg/g]	02-Dec-08	14:14	2.0	1.5	1.2	1.7	1.2	1.1	1.5	1.2	1.9	0.6	1.4
Sodium [µg/g]	02-Dec-08	12:01	21000	17000	16000	19000	18000	17000	17000	18000	14000	3300	16000
Nickel [µg/g]	02-Dec-08	14:15	82	71	81	88	58	69	71	65	76	8.3	69
Lead [µg/g]	02-Dec-08	14:15	14	12	130	8.7	13	11	13	14	15	4.6	8.7



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Analysis	3: Analysis Approval Date	4: Analysis Approval Time	5: M04-527-01	6: M05-559A-02	7: M04-533-01	8: M04-533-02	9: M07-719-01	10: M99-327-01	11: M07-645-01	12: M98-313-01	13: M98-313-02	14: M07-649-01	15: M07-663-01
Antimony [g/t]	02-Dec-08	14:15	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	0.9
Selenium [µg/g]	02-Dec-08	14:15	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	1.0	< 0.7
Tin [µg/g]	02-Dec-08	14:15	< 0.9	< 0.9	< 0.9	1.3	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Strontium [µg/g]	02-Dec-08	14:16	330	300	690	240	330	260	310	290	340	170	210
Titanium [µg/g]	02-Dec-08	14:16	2300	1100	3700	3400	2700	2600	2200	3200	2500	570	3300
Thallium [µg/g]	02-Dec-08	14:16	0.49	0.52	1.2	0.49	0.59	0.52	0.50	0.48	0.53	0.05	0.47
Uranium [µg/g]	02-Dec-08	14:16	2.1	1.8	1.9	2.0	1.8	1.6	1.9	1.6	1.9	0.40	1.7
Vanadium [µg/g]	02-Dec-08	14:16	84	100	120	110	81	87	110	110	110	21	110
Yttrium [µg/g]	02-Dec-08	14:16	8.3	8.3	11	10	8.7	7.8	8.5	7.4	9.8	4.4	9.5
Zinc [µg/g]	02-Dec-08	14:16	83	88	130	110	51	82	89	67	97	37	86

Analysis	16: M07-663-02	17: M07-663-03	18: M03-496-01	19: M03-496-02	20: M06-604-01	21: M06-604-02	22: M06-604-03	23: M05-571A-01	24: M05-571A-02	25: M99-280-01	26: M04-526-01	27: GT08-01-01	28: GT08-01-02
Sample Date & Time	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A
Mercury [µg/g]	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Silver [µg/g]	0.45	0.38	0.52	0.25	0.37	0.28	0.41	0.25	0.30	0.13	0.16	0.38	0.30
Aluminum [µg/g]	88000	80000	54000	59000	98000	82000	76000	82000	89000	31000	30000	80000	80000
Arsenic [µg/g]	110	51	200	220	41	50	8.5	380	46	150	210	17	200
Barium [µg/g]	1600	630	460	430	570	640	420	710	670	200	66	790	670
Beryllium [µg/g]	1.6	0.99	0.92	0.95	1.1	1.0	0.87	1.4	1.2	0.87	0.36	0.93	0.95
Bismuth [µg/g]	0.30	0.15	< 0.09	< 0.09	0.21	0.10	0.40	< 0.09	< 0.09	< 0.09	0.13	0.23	< 0.09
Calcium [µg/g]	12000	15000	21000	30000	7600	19000	17000	17000	9700	21000	45000	13000	11000
Cadmium [µg/g]	0.15	0.13	0.07	0.04	0.24	0.22	0.30	0.21	0.24	0.13	0.15	0.25	0.23
Cobalt [µg/g]	20	22	8.1	13	20	13	18	13	20	4.4	6.4	17	16
Chromium [µg/g]	130	110	35	55	120	72	110	63	120	77	25	94	100
Copper [µg/g]	41	59	27	15	43	35	48	22	28	11	31	42	33
Iron [µg/g]	52000	53000	110000	100000	50000	64000	32000	55000	53000	230000	160000	36000	32000
Potassium [µg/g]	30000	23000	17000	14000	25000	19000	20000	28000	30000	5900	1600	22000	21000
Lithium [µg/g]	39	38	19	28	33	25	21	28	33	5	4	22	22
Magnesium [µg/g]	15000	16000	8400	10000	17000	12000	10000	12000	15000	8900	7300	11000	11000
Manganese [µg/g]	300	420	340	340	280	310	320	300	290	310	330	260	220
Molybdenum [µg/g]	1.3	1.0	0.5	3.6	1.4	0.9	1.2	0.9	1.5	0.8	0.4	1.4	1.2
Sodium [µg/g]	15000	17000	9900	5800	21000	14000	21000	15000	15000	330	62	21000	24000
Nickel [µg/g]	71	64	22	33	70	45	57	41	72	15	13	53	52
Lead [µg/g]	36	12	22	12	14	8.2	16	8.4	7.5	7.3	11	19	11
Antimony [g/t]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8



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Analysis	16: M07-663-02	17: M07-663-03	18: M03-496-01	19: M03-496-02	20: M06-604-01	21: M06-604-02	22: M06-604-03	23: M05-571A-01	24: M05-571A-02	25: M99-280-01	26: M04-526-01	27: GT08-01-01	28: GT08-01-02
Selenium [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Tin [µg/g]	< 0.9	< 0.9	< 0.9	< 0.9	1.3	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	1.0	< 0.9
Strontium [µg/g]	310	270	220	210	230	330	350	220	210	150	270	450	350
Titanium [µg/g]	3500	3300	1400	1800	3000	2500	1900	2200	3200	790	590	1900	1400
Thallium [µg/g]	0.57	0.37	0.31	0.26	0.46	0.39	0.36	0.47	0.50	0.12	0.04	0.45	0.42
Uranium [µg/g]	1.8	1.6	1.0	1.4	1.8	1.3	1.8	1.8	1.8	0.71	0.55	1.6	1.5
Vanadium [µg/g]	120	120	37	51	110	72	72	66	110	19	16	68	71
Yttrium [µg/g]	8.8	8.4	6.0	7.1	8.1	6.4	7.7	7.1	7.6	5.5	6.0	7.3	6.6
Zinc [µg/g]	90	84	64	63	85	59	68	56	75	41	41	65	63

Analysis	29: GT08-02-01	30: GT08-04-01	31: GT08-04-02	32: GT08-04-03	33: M07-704-01	34: M07-704-02	35: M03-513-01	36: M07-705-01	37: M98-316-01	38: M99-339-01	39: M99-340-01	40: M99-340-03	41: M99-341-01
Sample Date & Time	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A
Mercury [µg/g]	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Silver [µg/g]	0.27	0.15	0.14	0.49	0.40	0.66	0.33	0.51	0.50	0.31	0.14	0.38	0.24
Aluminum [µg/g]	77000	70000	63000	54000	85000	84000	82000	73000	75000	71000	67000	83000	66000
Arsenic [µg/g]	180	31	91	8000	150	270	24	11	2100	540	73	28	250
Barium [µg/g]	450	34	140	250	730	670	610	750	550	390	170	820	120
Beryllium [µg/g]	0.97	0.24	0.40	0.51	1.2	1.0	0.97	0.98	1.0	0.91	0.43	0.98	0.50
Bismuth [µg/g]	0.09	< 0.09	< 0.09	0.28	0.24	0.31	< 0.09	0.25	0.37	0.41	< 0.09	0.15	< 0.09
Calcium [µg/g]	19000	77000	86000	80000	23000	11000	16000	16000	18000	16000	68000	13000	79000
Cadmium [µg/g]	0.28	0.20	0.17	1.3	0.31	0.27	0.23	0.25	0.28	0.18	0.15	0.26	0.12
Cobalt [µg/g]	12	40	31	52	20	19	18	18	17	9.2	36	18	41
Chromium [µg/g]	41	140	150	110	110	120	120	110	110	40	180	120	170
Copper [µg/g]	29	110	67	280	50	50	36	31	47	21	68	49	62
Iron [µg/g]	50000	79000	57000	110000	45000	38000	41000	32000	33000	68000	64000	36000	72000
Potassium [µg/g]	20000	2900	11000	13000	29000	27000	28000	23000	24000	17000	14000	23000	14000
Lithium [µg/g]	16	56	34	26	32	31	22	23	14	26	47	36	36
Magnesium [µg/g]	9000	25000	22000	18000	14000	13000	12000	9600	10000	9900	21000	13000	27000
Manganese [µg/g]	330	1400	1500	3200	490	280	310	280	320	260	1200	290	1100
Molybdenum [µg/g]	0.7	1.0	0.2	4.0	1.5	1.4	1.6	1.6	2.4	0.6	0.4	1.2	0.5
Sodium [µg/g]	26000	16000	11000	6500	15000	17000	19000	18000	20000	16000	12000	19000	8800
Nickel [µg/g]	31	96	87	88	64	66	61	56	55	25	95	56	85
Lead [µg/g]	16	3.3	7.4	28	17	14	8.5	29	15	43	7.5	13	11
Antimony [g/t]	< 0.8	< 0.8	< 0.8	1.4	< 0.8	< 0.8	< 0.8	< 0.8	1.0	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	< 0.7	< 0.7	< 0.7	3.1	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7



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Analysis	29: GT08-02-01	30: GT08-04-01	31: GT08-04-02	32: GT08-04-03	33: M07-704-01	34: M07-704-02	35: M03-513-01	36: M07-705-01	37: M98-316-01	38: M99-339-01	39: M99-340-01	40: M99-340-03	41: M99-341-01
Tin [µg/g]	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Strontium [µg/g]	240	110	120	140	360	310	270	370	270	190	160	370	180
Titanium [µg/g]	2200	2800	1900	1800	2300	1900	2800	2500	2500	1800	3000	1000	2500
Thallium [µg/g]	0.31	0.09	0.36	0.58	0.54	0.53	0.53	0.45	0.46	0.27	0.55	0.45	0.52
Uranium [µg/g]	1.3	0.077	0.092	0.64	2.1	1.8	1.7	1.9	1.8	1.3	0.10	1.9	0.19
Vanadium [µg/g]	52	220	190	140	97	94	85	73	75	44	220	84	190
Yttrium [µg/g]	6.3	8.0	5.3	6.2	8.2	7.4	8.1	7.8	7.5	5.3	6.5	9.0	5.6
Zinc [µg/g]	75	100	64	410	82	81	67	64	58	70	110	83	99

Analysis	42: M99-341-02	43: M99-345-01	44: M99-346-02	45: M99-349-01	46: M99-349-02	47: M99-350-02	48: M95-17-01	49: M95-17-02	50: M99-403-01	51: M99-403-02	52: M99-403-03	53: M99-403-04	54: M99-404-01
Sample Date & Time	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A
Mercury [µg/g]	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Silver [µg/g]	0.36	0.33	0.35	0.26	0.22	0.32	0.37	0.41	0.16	0.24	0.30	0.36	0.28
Aluminum [µg/g]	78000	78000	85000	73000	73000	89000	89000	82000	64000	78000	73000	85000	76000
Arsenic [µg/g]	460	860	70	320	50	26	32	37	1300	900	1300	18	21
Barium [µg/g]	580	550	570	390	580	720	790	560	370	460	450	570	430
Beryllium [µg/g]	0.98	1.0	0.93	0.76	0.99	1.0	1.0	0.90	0.67	1.0	0.98	0.91	0.83
Bismuth [µg/g]	0.17	0.33	0.11	< 0.09	< 0.09	0.14	0.20	0.33	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Calcium [µg/g]	22000	20000	11000	17000	25000	12000	13000	11000	67000	19000	16000	18000	23000
Cadmium [µg/g]	0.30	0.16	0.25	0.18	0.19	0.23	0.27	0.27	0.49	0.18	0.19	0.24	0.21
Cobalt [µg/g]	16	8.6	21	10	7.1	17	19	17	27	9.6	7.6	19	9.4
Chromium [µg/g]	95	33	120	36	20	120	120	120	140	56	34	130	33
Copper [µg/g]	33	17	45	47	16	29	47	44	76	17	13	50	23
Iron [µg/g]	35000	48000	40000	61000	54000	42000	51000	36000	71000	58000	71000	39000	51000
Potassium [µg/g]	23000	24000	25000	15000	22000	29000	25000	22000	20000	16000	20000	26000	19000
Lithium [µg/g]	17	20	36	17	15	32	40	35	22	16	26	30	22
Magnesium [µg/g]	11000	8600	15000	9700	7900	15000	16000	14000	21000	10000	11000	12000	7600
Manganese [µg/g]	360	400	290	270	330	280	310	310	1100	320	250	250	270
Molybdenum [µg/g]	0.8	0.7	1.2	1.0	0.5	1.3	1.2	1.2	0.3	0.7	0.6	1.5	0.5
Sodium [µg/g]	22000	23000	19000	20000	19000	18000	16000	19000	6000	18000	16000	21000	19000
Nickel [µg/g]	41	18	59	19	11	57	58	58	70	27	18	57	19
Lead [µg/g]	8.7	45	11	17	8.7	7.4	11	14	69	16	8.8	13	5.6
Antimony [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Tin [µg/g]	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9



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Analysis	42: M99-341-02	43: M99-345-01	44: M99-346-02	45: M99-349-01	46: M99-349-02	47: M99-350-02	48: M95-17-01	49: M95-17-02	50: M99-403-01	51: M99-403-02	52: M99-403-03	53: M99-403-04	54: M99-404-01
Strontium [µg/g]	330	210	250	240	450	270	260	290	170	160	190	250	290
Titanium [µg/g]	2600	2000	1200	1900	1900	1800	1400	790	2800	2000	1700	2800	2200
Thallium [µg/g]	0.40	0.36	0.44	0.27	0.32	0.45	0.40	0.38	0.68	0.33	0.28	0.46	0.26
Uranium [µg/g]	1.9	1.3	1.6	1.1	1.1	1.5	1.6	1.5	0.51	1.3	1.1	1.8	0.92
Vanadium [µg/g]	77	45	90	45	40	93	88	84	160	56	43	87	43
Yttrium [µg/g]	7.8	6.2	7.4	5.3	5.7	7.1	6.8	6.8	6.5	6.9	5.2	7.3	6.0
Zinc [µg/g]	55	43	70	92	39	60	75	69	170	54	55	56	50

Analysis	55: M99-404-02	56: M99-404-04	57: M07-710-02	58: M00-474-01	59: M00-474-02	60: M00-474-04	61: M00-474-05	62: M98-297-01	63: M98-297-02	64: M98-297-04	65: M07-711-01	66: M07-660-01	67: M07-660-02
Sample Date & Time	Date/N/A	Date/N/A	Date/N/A	Date/N/A	Date/N/A	Date/N/A	Date/N/A	Date/N/A	Date/N/A	Date/N/A	Date/N/A	Date/N/A	Date/N/A
Mercury [µg/g]	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Silver [µg/g]	0.41	0.39	0.23	0.15	0.23	0.21	0.35	0.11	0.09	0.11	0.09	0.10	0.08
Aluminum [µg/g]	78000	89000	75000	70000	71000	69000	85000	69000	76000	83000	61000	71000	85000
Arsenic [µg/g]	250	95	71	65	2100	88	51	1000	25	27	190	23	40
Barium [µg/g]	520	610	420	160	330	360	710	430	540	820	340	1500	710
Beryllium [µg/g]	0.95	0.95	0.92	0.19	0.53	0.82	1.0	0.61	0.91	0.92	0.86	1.2	1.1
Bismuth [µg/g]	0.17	0.20	<0.09	<0.08	<0.08	<0.09	0.11	<0.09	0.11	0.15	0.11	<0.09	0.15
Calcium [µg/g]	15000	14000	32000	99000	79000	27000	15000	80000	17000	11000	23000	23000	16000
Cadmium [µg/g]	0.26	0.30	0.17	0.14	0.24	0.16	0.25	0.27	0.15	0.23	0.17	0.18	0.22
Cobalt [µg/g]	18	19	6.7	45	33	7.5	17	37	6.6	19	6.0	7.2	26
Chromium [µg/g]	130	130	24	160	150	21	110	150	24	120	21	30	120
Copper [µg/g]	50	47	24	130	130	28	43	81	18	37	27	21	38
Iron [µg/g]	40000	43000	68000	74000	75000	64000	48000	64000	44000	42000	86000	40000	58000
Potassium [µg/g]	22000	25000	18000	4700	15000	13000	25000	20000	20000	25000	14000	23000	25000
Lithium [µg/g]	22	40	21	45	37	20	35	26	18	40	20	18	38
Magnesium [µg/g]	11000	16000	7400	23000	28000	7100	14000	22000	6600	16000	7500	7100	16000
Manganese [µg/g]	270	340	280	1900	1800	280	360	1700	230	290	320	280	380
Molybdenum [µg/g]	0.9	1.0	0.8	0.2	0.5	0.6	1.2	0.2	0.7	1.3	0.7	0.7	0.9
Sodium [µg/g]	20000	19000	21000	18000	11000	16000	17000	9700	18000	15000	13000	21000	14000
Nickel [µg/g]	53	60	13	120	74	12	56	95	13	67	13	16	70
Lead [µg/g]	9.4	14	8.6	4.2	18	7.8	31	15	8.2	15	6.6	14	6.6
Antimony [µg]	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Selenium [µg/g]	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7	<0.7
Tin [µg/g]	<0.9	<0.9	<0.9	<0.9	1.6	<0.9	1.0	<0.9	<0.9	<0.9	<0.9	<0.9	0.9
Strontium [µg/g]	250	280	520	96	160	370	290	160	370	270	290	360	260



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Analysis	55: M99-404-02	56: M99-404-04	57: M07-710-02	58: M00-474-01	59: M00-474-02	60: M00-474-04	61: M00-474-05	62: M98-297-01	63: M98-297-02	64: M98-297-04	65: M07-711-01	66: M07-660-01	67: M07-660-02
Titanium [µg/g]	2600	930	1600	2800	2400	1400	2400	2300	1600	770	1500	1900	3000
Thallium [µg/g]	0.36	0.44	0.20	0.12	0.53	0.18	0.42	0.69	0.26	0.44	0.19	0.38	0.41
Uranium [µg/g]	1.7	1.6	0.86	0.051	0.17	0.61	1.7	0.15	0.82	1.6	0.66	0.99	1.6
Vanadium [µg/g]	80	94	30	210	210	33	91	180	38	89	31	40	100
Yttrium [µg/g]	7.1	7.3	5.8	9.1	7.0	4.1	7.8	8.1	4.7	7.0	4.7	5.9	8.4
Zinc [µg/g]	52	77	43	82	130	42	71	100	45	84	51	39	69

Analysis	68: M98-194-01	69: M98-194-02	70: M98-194-03	71: M07-678-01	72: M07-678-02	73: M07-678-03	74: M98-269-01	75: M98-269-02	76: M98-269-03	77: M07-713-01	78: M07-713-02
Sample Date & Time	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A	Date: N/A
Mercury [µg/g]	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Silver [µg/g]	0.09	0.13	0.06	0.13	0.07	0.06	0.07	0.12	0.09	0.09	0.13
Aluminum [µg/g]	67000	63000	86000	61000	72000	75000	75000	68000	77000	71000	84000
Arsenic [µg/g]	830	83	99	120	240	1200	340	18	31	130	81
Barium [µg/g]	710	650	2000	100	620	440	520	390	560	600	620
Beryllium [µg/g]	1.0	0.94	1.2	0.33	1.1	1.0	1.1	0.92	0.90	1.1	1.0
Bismuth [µg/g]	0.09	< 0.09	0.12	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	0.14	< 0.09	0.18
Calcium [µg/g]	20000	20000	11000	60000	24000	14000	17000	22000	16000	16000	10000
Cadmium [µg/g]	0.20	0.16	0.22	0.15	0.33	0.18	0.25	0.15	0.20	0.19	0.22
Cobalt [µg/g]	8.0	5.9	17	36	12	4.8	8.0	6.9	16	9.2	21
Chromium [µg/g]	33	27	110	110	70	17	50	19	110	47	130
Copper [µg/g]	22	20	46	100	200	26	97	20	28	62	52
Iron [µg/g]	53000	54000	47000	72000	58000	41000	52000	77000	43000	49000	55000
Potassium [µg/g]	17000	18000	29000	7200	21000	20000	21000	17000	21000	22000	26000
Lithium [µg/g]	15	15	38	46	14	15	17	26	28	16	34
Magnesium [µg/g]	7200	5600	16000	32000	10000	6500	8300	7500	13000	7600	16000
Manganese [µg/g]	270	290	310	960	350	180	330	250	290	280	320
Molybdenum [µg/g]	0.6	0.4	0.9	0.2	0.7	1.5	0.4	0.7	1.0	0.5	0.8
Sodium [µg/g]	19000	16000	15000	11000	18000	20000	20000	14000	19000	18000	16000
Nickel [µg/g]	18	12	59	80	34	8.7	21	9.7	58	21	66
Lead [µg/g]	11	7.8	15	9.3	13	17	9.5	5.9	9.7	23	9.6
Antimony [µg/g]	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Selenium [µg/g]	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7
Tin [µg/g]	< 0.9	< 0.9	0.9	< 0.9	1.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9	< 0.9
Strontium [µg/g]	310	290	360	170	260	250	200	330	290	210	220
Titanium [µg/g]	1700	1600	2600	1200	1900	1400	2000	1300	2200	1900	2800



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Analysis	68: M98-194-01	69: M98-194-02	70: M98-194-03	71: M07-678-01	72: M07-678-02	73: M07-678-03	74: M98-269-01	75: M98-269-02	76: M98-269-03	77: M07-713-01	78: M07-713-02
Thallium [µg/g]	0.30	0.27	0.51	0.24	0.48	0.30	0.30	0.27	0.37	0.32	0.46
Uranium [µg/g]	0.92	0.65	1.5	0.095	1.2	0.86	1.1	0.77	1.4	0.90	2.1
Vanadium [µg/g]	38	32	93	160	54	32	43	27	84	40	100
Yttrium [µg/g]	5.3	4.3	7.5	4.2	6.3	3.7	6.3	4.3	7.3	4.6	7.3
Zinc [µg/g]	47	36	75	89	64	45	61	47	57	45	72

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical



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Modified ABA (Price 1997)

Friday, December 12, 2008

Date Rec.: 19 November 2008
LR Report: CA10540-NOV08
Reference: Meliadine West (Golder
08-1122-0292)

Copy: #1

CERTIFICATE OF ANALYSIS Final Report

Sample ID	Sample Date & Time	Paste pH units	Fizz Rate	Sample weight(g)	HCl added mL	HCl Normality	NaOH Normality	NaOH to pH=8.3 mL	Final pH units
3: Analysis Approval Date	11-Dec-08	11:31	11:31	11:31	11:31	11-Dec-08	11-Dec-08	11-Dec-08	11-Dec-08
4: Analysis Approval Time	11:31	9.16	2	1.96	30.90	0.10	0.10	13.30	1.93
5: M04-527-01	Date: N/A	9.36	2	2.03	28.30	0.10	0.10	13.50	1.87
6: M05-559A-02	Date: N/A	9.35	3	1.97	46.30	0.10	0.10	16.40	1.85
7: M04-533-01	Date: N/A	8.98	3	1.97	29.50	0.10	0.10	12.50	1.79
8: M04-533-02	Date: N/A	9.23	2	1.95	44.20	0.10	0.10	16.80	1.71
9: M07-719-01	Date: N/A	9.17	2	1.97	44.60	0.10	0.10	22.60	1.71
10: M99-327-01	Date: N/A	9.21	2	2.02	27.10	0.10	0.10	12.40	1.84
11: M07-645-01	Date: N/A	9.12	2	2.04	40.15	0.10	0.10	20.90	1.66
12: M98-313-01	Date: N/A	9.38	2	2.00	26.60	0.10	0.10	16.10	1.53
13: M98-313-02	Date: N/A	8.32	3	1.98	54.30	0.10	0.10	22.70	1.99
14: M07-649-01	Date: N/A	9.18	2	1.95	29.10	0.10	0.10	15.00	1.87
15: M07-663-01	Date: N/A	9.12	2	1.96	30.55	0.10	0.10	13.50	1.99
16: M07-663-02	Date: N/A	9.12	3	2.01	42.50	0.10	0.10	18.40	1.76
17: M07-663-03	Date: N/A	8.68	3	2.04	56.45	0.10	0.10	29.50	1.70
18: M03-496-01	Date: N/A	8.61	3	2.03	55.90	0.10	0.10	21.20	1.92
19: M03-496-02	Date: N/A	9.21	2	2.05	20.00	0.10	0.10	11.80	1.90
20: M06-604-01	Date: N/A	9.05	3	2.03	43.90	0.10	0.10	19.40	1.85
21: M06-604-02	Date: N/A	9.33	2	2.04	45.00	0.10	0.10	22.30	1.64
22: M06-604-03	Date: N/A								

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Test method information available upon request. "Temperature Upon Receipt" is representative of the whole shipment and may not reflect the temperature of individual samples.



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LR Report : CA10540-NOV08

Sample ID	Sample Date & Time	Paste pH units	Fizz Rate	Sample weight(g)	HCl added mL	HCl Normality	NaOH Normality	NaOH to pH=8.3 mL	Final pH units
23: M05-571A-01	Date:N/A	9.33	2	2.02	43.65	0.10	0.10	22.00	1.63
24: M05-571A-02	Date:N/A	9.34	2	2.04	31.50	0.10	0.10	19.30	1.63
25: M99-280-01	Date:N/A	8.76	4	1.98	40.00	0.10	0.10	20.65	1.69
26: M04-526-01	Date:N/A	8.39	4	1.96	73.60	0.10	0.10	28.80	1.67
27: GT08-01-01	Date:N/A	9.29	2	2.04	30.60	0.10	0.10	13.40	1.93
28: GT08-01-02	Date:N/A	9.08	2	2.04	29.70	0.10	0.10	14.40	1.81
29: GT08-02-01	Date:N/A	9.08	2	2.01	52.80	0.10	0.10	26.80	1.59
30: GT08-04-01	Date:N/A	8.85	4	2.00	121.70	0.10	0.10	40.80	1.70
31: GT08-04-02	Date:N/A	8.96	4	1.96	166.25	0.10	0.10	53.10	1.86
32: GT08-04-03	Date:N/A	8.36	3	1.99	166.70	0.10	0.10	54.90	1.83
33: M07-704-01	Date:N/A	9.17	3	1.98	50.50	0.10	0.10	24.80	1.50
34: M07-704-02	Date:N/A	9.42	2	1.97	31.40	0.10	0.10	15.35	1.57
35: M03-513-01	Date:N/A	9.43	3	2.04	43.30	0.10	0.10	20.80	1.58
36: M07-705-01	Date:N/A	9.55	2	1.97	32.10	0.10	0.10	12.50	1.78
37: M98-316-01	Date:N/A	9.49	2	1.96	48.40	0.10	0.10	21.80	1.51
38: M99-339-01	Date:N/A	9.15	4	1.96	64.70	0.10	0.10	23.80	1.51
39: M99-340-01	Date:N/A	8.95	2	1.99	132.70	0.10	0.10	53.95	1.55
40: M99-340-03	Date:N/A	9.47	2	2.03	26.80	0.10	0.10	13.40	1.63
41: M99-341-01	Date:N/A	8.96	2	1.96	177.95	0.10	0.10	67.40	1.57
42: M99-341-02	Date:N/A	9.32	2	1.97	48.40	0.10	0.10	18.70	1.64
43: M99-345-01	Date:N/A	9.02	2	1.96	48.20	0.10	0.10	20.20	1.65
44: M99-346-02	Date:N/A	9.61	2	1.96	28.40	0.10	0.10	16.05	1.53
45: M99-349-01	Date:N/A	9.15	2	1.98	44.50	0.10	0.10	21.40	1.60
46: M99-349-02	Date:N/A	9.07	2	1.97	68.30	0.10	0.10	34.30	1.53
47: M99-350-02	Date:N/A	9.52	2	1.97	28.60	0.10	0.10	16.50	1.58
48: M95-17-01	Date:N/A	9.49	2	1.96	27.00	0.10	0.10	15.20	1.57
49: M95-17-02	Date:N/A	9.55	2	1.99	26.80	0.10	0.10	14.00	1.53
50: M99-403-01	Date:N/A	8.99	4	1.97	158.30	0.10	0.10	62.80	1.55
51: M99-403-02	Date:N/A	9.23	2	1.98	49.00	0.10	0.10	23.80	1.60
52: M99-403-03	Date:N/A	9.26	2	2.00	43.30	0.10	0.10	23.60	1.53
53: M99-403-04	Date:N/A	9.52	3	2.04	41.60	0.10	0.10	21.70	1.49
54: M99-404-01	Date:N/A	9.38	4	2.00	40.00	0.10	0.10	16.00	1.68
55: M99-404-02	Date:N/A	9.45	2	2.04	40.10	0.10	0.10	20.30	1.53
56: M99-404-04	Date:N/A	9.47	2	1.95	29.95	0.10	0.10	15.55	1.53
57: M07-710-02	Date:N/A	9.16	4	1.97	60.00	0.10	0.10	27.80	1.52



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LR Report : CA10540-NOV08

Sample ID	Sample Date & Time	Paste pH units	Fizz Rate	Sample weight(g)	HCl added mL	HCl Normality	NaOH Normality	NaOH to pH=8.3 mL	Final pH units
58: M00-474-01	Date: N/A	8.99	4	2.03	151.80	0.10	0.10	49.90	1.54
59: M00-474-02	Date: N/A	8.99	4	2.05	182.30	0.10	0.10	21.80	1.60
60: M00-474-04	Date: N/A	9.23	4	2.01	55.50	0.10	0.10	25.50	1.54
61: M00-474-05	Date: N/A	9.03	2	1.96	28.60	0.10	0.10	12.30	1.74
62: M98-297-01	Date: N/A	8.77	4	2.01	174.00	0.10	0.10	29.33	1.64
63: M98-297-02	Date: N/A	9.19	2	1.96	30.70	0.10	0.10	11.90	1.82
64: M98-297-04	Date: N/A	9.07	2	1.95	20.00	0.10	0.10	8.15	1.99
65: M07-711-01	Date: N/A	8.81	3	2.03	52.00	0.10	0.10	22.10	1.65
66: M07-660-01	Date: N/A	8.94	2	2.01	48.70	0.10	0.10	18.40	1.79
67: M07-660-02	Date: N/A	9.13	3	1.98	29.10	0.10	0.10	13.00	1.72
68: M98-194-01	Date: N/A	8.88	2	1.99	50.20	0.10	0.10	20.20	1.83
69: M98-194-02	Date: N/A	8.92	2	1.96	48.90	0.10	0.10	23.10	1.57
70: M98-194-03	Date: N/A	9.17	2	1.98	28.80	0.10	0.10	14.90	1.76
71: M07-678-01	Date: N/A	8.79	4	2.05	146.10	0.10	0.10	45.60	1.86
72: M07-678-02	Date: N/A	8.98	2	1.95	64.50	0.10	0.10	30.45	1.64
73: M07-678-03	Date: N/A	9.04	2	2.00	31.60	0.10	0.10	13.20	1.96
74: M98-269-01	Date: N/A	8.87	2	2.00	46.70	0.10	0.10	22.10	1.62
75: M98-269-02	Date: N/A	9.09	3	1.98	31.90	0.10	0.10	9.90	1.93
76: M98-269-03	Date: N/A	9.16	3	1.96	30.80	0.10	0.10	12.00	1.75
77: M07-713-01	Date: N/A	8.96	2	1.95	47.20	0.10	0.10	22.90	1.64
78: M07-713-02	Date: N/A	9.11	2	1.96	27.50	0.10	0.10	13.60	1.66



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*NP (Neutralization Potential)
= 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

Weight of Sample

*AP (Acid Potential) = % sulphide sulphur x 31.25
*Net NP (Net Neutralization Potential) = NP-AP
NP/AP Ratio = NP/AP
*Results expressed as tonnes CaCO₃ equivalent/1000 tonnes of material
Samples with a % sulphide value of <0.01 will be calculated using a 0.01 value.

Sulphur analysis performed following BC ARD Guidelines (Price 1997)

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Modified ABA (Price 1997)

Friday, December 12, 2008

Date Rec. : 19 November 2008
LR Report: CA10540-NOV08
Reference: Meliadine West (Golder
08-1122-0292)

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CERTIFICATE OF ANALYSIS Final Report

Sample ID	NP t CaCO ₃ /1000t	AP t CaCO ₃ /1000 t	Net NP t CaCO ₃ /1000 t	NP/AP ratio	Total Sulphur %	Acid Leachable SO ₄ -S %	Sulphide-S %	Total Carbon %	Carbonate (CO ₃) %	Total Inorganic Carbon %
3: Analysis Approval Date	11-Dec-08	11-Dec-08	11-Dec-08	11-Dec-08	10-Dec-08	10-Dec-08	10-Dec-08	10-Dec-08	10-Dec-08	10-Dec-08
4: Analysis Approval Time	11:31	11:31	11:31	11:31	16:05	16:05	10:46	16:06	08:35	08:35
5: M04-527-01	44.9	2.52	42.4	17.8	0.236	0.16	0.08	0.613	2.18	0.440
6: M05-559A-02	36.5	1.49	35.0	24.5	0.137	0.09	0.05	0.436	1.70	0.340
7: M04-533-01	75.9	1.98	73.9	38.4	0.178	0.11	0.06	1.06	4.84	0.970
8: M04-533-02	43.1	1.69	41.4	25.5	0.172	0.12	0.05	0.541	2.32	0.460
9: M07-719-01	70.3	2.58	67.7	27.2	0.226	0.14	0.08	1.01	4.35	0.870
10: M99-327-01	55.8	2.95	52.8	18.9	0.310	0.22	0.09	0.865	3.48	0.700
11: M07-645-01	36.4	1.49	34.9	24.4	0.163	0.12	0.05	0.535	2.12	0.420
12: M98-313-01	47.2	0.76	46.4	61.9	0.098	0.07	0.02	0.721	3.08	0.620
13: M98-313-02	26.2	1.48	24.7	17.8	0.171	0.12	0.05	0.364	1.30	0.260
14: M07-649-01	79.8	13.1	66.7	6.08	0.845	0.42	0.42	3.17	4.83	0.970
15: M07-663-01	36.2	3.90	32.3	9.28	0.312	0.19	0.12	0.607	2.30	0.460
16: M07-663-02	43.5	1.29	42.2	33.7	0.110	0.07	0.04	0.675	2.87	0.570
17: M07-663-03	60.0	1.94	58.1	30.9	0.206	0.14	0.06	0.866	3.53	0.710
18: M03-496-01	66.1	17.6	48.5	3.75	0.818	0.25	0.56	1.83	3.92	0.780
19: M03-496-02	85.5	6.97	78.5	12.3	0.338	0.12	0.22	1.46	5.33	1.07
20: M06-604-01	20.0	0.65	19.4	30.9	0.070	0.05	0.02	0.375	1.45	0.290
21: M06-604-02	60.3	1.94	58.4	31.1	0.173	0.11	0.06	0.912	3.90	0.780
22: M06-604-03	55.6	2.52	53.1	22.1	0.321	0.24	0.08	0.788	3.10	0.820

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LR Report : CA10540-NOV08

Sample ID	NP t CaCO ₃ /1000t	AP t CaCO ₃ /1000 t	Net NP t CaCO ₃ /1000 t	NP/AP ratio	Total Sulphur %	Acid Leachable SO ₄ -S %	Sulphide-S %	Total Carbon %	Carbonate (CO ₃) %	Total Inorganic Carbon %
23: M05-571A-01	53.6	1.27	52.3	42.4	0.087	0.05	0.04	0.799	3.12	0.625
24: M05-571A-02	29.9	0.31	29.6	96.5	0.033	0.03	< 0.01	0.541	2.19	0.438
25: M99-280-01	48.9	3.23	45.7	15.1	0.213	0.11	0.10	0.966	3.78	0.756
26: M04-526-01	115	15.4	99.4	7.48	0.784	0.29	0.49	1.81	7.39	1.48
27: GT08-01-01	42.2	2.59	39.6	16.3	0.146	0.06	0.08	0.648	2.32	0.465
28: GT08-01-02	37.5	2.89	34.6	13.0	0.204	0.11	0.09	0.606	2.28	0.456
29: GT08-02-01	64.7	2.57	62.1	25.2	0.170	0.09	0.08	0.955	3.83	0.767
30: GT08-04-01	202	6.03	196	33.5	0.364	0.17	0.19	2.52	12.1	2.43
31: GT08-04-02	289	0.94	288	306	0.049	0.02	0.03	3.94	19.3	3.86
32: GT08-04-03	281	76.0	205	3.70	3.23	0.80	2.43	4.09	18.0	3.59
33: M07-704-01	64.9	5.76	59.1	11.3	0.220	0.04	0.18	0.984	4.18	0.837
34: M07-704-02	40.7	1.83	38.9	22.2	0.177	0.12	0.06	0.597	2.49	0.498
35: M03-513-01	55.1	3.14	52.0	17.5	0.192	0.09	0.10	0.853	3.44	0.689
36: M07-705-01	49.7	4.39	45.3	11.3	0.320	0.18	0.14	0.722	2.91	0.583
37: M98-316-01	67.9	5.46	62.4	12.4	0.394	0.22	0.17	1.03	4.41	0.882
38: M99-339-01	104	2.94	101	35.5	0.192	0.10	0.09	0.854	3.31	0.663
39: M99-340-01	198	4.48	193	44.2	0.329	0.19	0.14	3.45	16.0	3.21
40: M99-340-03	33.0	1.94	31.1	17.0	0.208	0.15	0.06	0.462	1.74	0.348
41: M99-341-01	282	5.73	276	49.2	0.546	0.36	0.18	3.95	18.2	3.64
42: M99-341-02	75.4	8.96	66.4	8.42	0.389	0.10	0.29	1.10	4.62	0.924
43: M99-345-01	71.4	5.90	65.5	12.1	0.339	0.15	0.19	1.14	4.69	0.938
44: M99-346-02	31.5	2.58	28.9	12.2	0.232	0.15	0.08	0.486	1.86	0.372
45: M99-349-01	58.3	8.54	49.8	6.83	0.658	0.38	0.27	0.915	3.24	0.648
46: M99-349-02	86.3	2.43	83.9	35.5	0.113	0.03	0.08	1.39	5.52	1.11
47: M99-350-02	30.7	2.10	28.6	14.6	0.187	0.12	0.07	0.540	2.10	0.421
48: M95-17-01	30.1	1.15	29.0	26.2	0.199	0.16	0.04	0.456	1.86	0.372
49: M95-17-02	32.2	0.97	31.2	33.2	0.195	0.16	0.03	0.464	1.74	0.348
50: M99-403-01	242	11.7	231	20.7	0.553	0.18	0.38	3.34	15.7	3.15
51: M99-403-02	63.6	5.32	58.3	12.0	0.206	0.04	0.17	1.02	4.23	0.847
52: M99-403-03	49.2	1.91	47.3	25.8	0.126	0.06	0.06	0.828	3.57	0.714
53: M99-403-04	48.8	4.14	44.7	11.8	0.234	0.10	0.13	0.695	2.82	0.564
54: M99-404-01	60.0	1.76	58.2	34.0	0.095	0.04	0.06	0.868	3.76	0.752
55: M99-404-02	48.5	6.94	41.6	6.98	0.292	0.07	0.22	0.732	2.90	0.581
56: M99-404-04	36.9	3.53	33.4	10.5	0.197	0.08	0.11	0.520	2.13	0.427
57: M07-710-02	81.7	1.56	80.1	52.4	0.061	0.01	0.05	1.11	4.80	0.962

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LR Report : CA10540-NOV08

Sample ID	NP t CaCO ₃ /1000t	AP t CaCO ₃ /1000 t	Net NP t CaCO ₃ /1000 t	NP/AP ratio	Total Sulphur %	Acid Leachable SO ₄ -S %	Sulphide-S %	Total Carbon %	Carbonate (CO ₃) %	Total Inorganic Carbon %
58: M00-474-01	251	3.22	248	78.0	0.123	0.02	0.10	3.08	15.2	3.03
59: M00-474-02	392	7.40	384	52.9	0.398	0.16	0.24	3.85	18.4	3.68
60: M00-474-04	74.6	1.54	73.1	48.5	0.087	0.04	0.05	1.00	4.44	0.888
61: M00-474-05	41.6	5.10	36.5	8.15	0.257	0.09	0.16	0.576	2.10	0.420
62: M98-297-01	360	8.40	351	42.8	0.457	0.19	0.27	3.90	18.9	3.78
63: M98-297-02	48.0	1.31	46.7	36.7	0.050	< 0.01	0.04	0.641	2.80	0.560
64: M98-297-04	30.4	1.55	28.9	19.7	0.234	0.18	0.05	0.407	1.59	0.318
65: M07-711-01	73.6	3.56	70.0	20.7	0.196	0.08	0.11	1.01	4.40	0.880
66: M07-660-01	75.4	3.45	72.0	21.9	0.243	0.13	0.11	1.11	4.68	0.936
67: M07-660-02	40.7	3.89	36.8	10.5	0.183	0.06	0.12	0.510	2.07	0.415
68: M98-194-01	75.4	3.94	71.5	19.1	0.233	0.11	0.13	1.19	5.04	1.01
69: M98-194-02	65.8	2.63	63.2	25.0	0.153	0.07	0.08	0.991	4.11	0.823
70: M98-194-03	35.1	3.18	31.9	11.1	0.214	0.11	0.10	0.499	1.90	0.380
71: M07-678-01	245	1.52	244	161	0.101	0.05	0.05	3.47	16.5	3.30
72: M07-678-02	87.3	2.99	84.3	29.2	0.166	0.07	0.10	1.31	5.72	1.14
73: M07-678-03	46.0	3.82	42.2	12.0	0.200	0.08	0.12	0.738	3.24	0.648
74: M98-269-01	61.5	1.87	59.6	33.0	0.101	0.04	0.06	0.944	3.93	0.787
75: M98-269-02	55.6	0.31	55.3	179	0.065	0.06	< 0.01	0.733	3.33	0.667
76: M98-269-03	48.0	2.68	45.3	17.9	0.249	0.16	0.09	0.637	2.67	0.535
77: M07-713-01	62.3	1.94	60.4	32.1	0.148	0.09	0.06	1.00	4.14	0.828
78: M07-713-02	35.5	3.53	32.0	10.1	0.305	0.19	0.11	0.486	1.89	0.379



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Modified ABA (Price 1997)

LR Report : CA10540-NOV08

*NP (Neutralization Potential)

= 50 x (N of HCL x Total HCL added - N NaOH x NaOH added)

Weight of Sample

*AP (Acid Potential) = % sulphide sulphur x 31.25

*Net NP (Net Neutralization Potential) = NP-AP

NP/AP Ratio = NP/AP

*Results expressed as tonnes CaCO₃ equivalent/1000 tonnes of material
Samples with a % sulphide value of <0.01 will be calculated using a 0.01 value.

Sulphur analysis performed following BC ARD Guidelines (Price 1997)

Brian Graham B.Sc.
Project Specialist
Environmental Services, Analytical



INTERIM STATIC TEST REPORT FOR WASTE ROCK FROM THE TIRIGANIAQ DEPOSIT, MELIADINE WEST GOLD PROJECT

ATTACHMENT III

QA/QC Analysis

Appendix III.
Table III-1 Quality Assurance Quality Control Results
Tiriganiaq Deposit, Meliadine West Property, Nunavut
Comaplex Minerals Corporation

Sample ID (Lab)	pH	Conductivity	Alkalinity	Cl	SO4	Ag	Al	As	B	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Li
		uS/cm	mg/L as CaCO3	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
M04-533-02	8.07	93	42	1.3	3.6	< 0.00001	0.81	0.144	0.15	< 0.00002	< 0.00001	5.8	< 0.000003	0.00005	< 0.0005	< 0.0005	< 0.01	< 0.0001	8.62	< 0.001
M04-533-02 Dup	8.04	90	41	1.3	4.1	< 0.00001	0.66	0.189	0.17	< 0.00002	< 0.00001	5.6	< 0.000003	0.000043	< 0.0005	< 0.0005	< 0.01	< 0.0001	7.2	0.001
RPD (%)	0	3	2	0	13	-	20	27	10	-	-	3	-	5	-	-	-	-	18	-
M99-280-01	8.01	114	52	1.5	2.1	< 0.00001	0.45	0.0033	0.11	< 0.00002	< 0.00001	14.2	< 0.000003	0.00003	< 0.0005	< 0.0005	< 0.01	< 0.0001	6.35	0.001
M99-280-01 Dup	8.03	112	51	1.5	2.1	< 0.00001	0.49	0.0029	0.10	< 0.00002	< 0.00001	14.2	< 0.000003	0.00003	< 0.0005	< 0.0005	< 0.01	< 0.0001	5.99	< 0.001
RPD (%)	0	2	2	0	0	-	9	13	8	-	-	0	-	14	-	-	-	-	6	-
M99-341-01	8.36	160	77	1.0	1.7	< 0.00001	0.64	0.0247	0.01	< 0.00002	< 0.00001	13.5	< 0.000003	0.00009	< 0.0005	< 0.0005	< 0.01	< 0.0001	6	0.003
M99-341-01 Dup	8.25	166	80	0.8	3.2	< 0.00001	0.41	0.0272	0.10	< 0.00002	< 0.00001	13.5	< 0.000003	0.00011	< 0.0005	< 0.0005	< 0.01	< 0.0001	4.88	0.003
RPD (%)	1	4	4	22	61	-	44	10	150	-	-	0	-	19	-	-	-	-	21	0
M99-403-02	8.07	8.07	8.07	8.1	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.1	8.07	8.07000	8.07	8.07	8.07	8.07	8.07	8.07
M99-403-02 Dup	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.0	8.04	8.04000	8.04	8.04	8.04	8.04	8.04	8.04
RPD (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M07-713-01	8.07	8.07	8.07	8.1	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.1	8.07	8.07000	8.07	8.07	8.07	8.07	8.07	8.07
M07-713-01 Dup	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.0	8.04	8.04000	8.04	8.04	8.04	8.04	8.04	8.04
RPD (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEDIAN RPD (%)	0	2	2	0	0	0	9	10	8	0	0	0	0	5	0	0	0	0	6	0

Notes:
dup = duplicate
RPD = relative percent difference

Appendix III.
Table III-1 Quality Assurance Quality Control Results
Tiriganiaq Deposit, Meliadine West Property, Nunavut
Comaplex Minerals Corporation

Sample ID (Lab)	Mg	Mn	Mo	Na	Ni	Pb	Sb	Se	Sn	Sr	Ti	Ti	U	V	W	Y	Zn
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
M04-533-02	0.591	0.00076	0.00058	8.35	0.0002	0.00002	0.00541	< 0.001	0.00004	0.0371	0.0006	< 0.00002	0.000125	0.00667	0.00078	0.000018	0.004
M04-533-02 Dup	0.554	0.00056	0.00059	9.13	0.0003	0.00002	0.0053	< 0.001	0.00008	0.0392	0.0008	< 0.00002	0.000121	0.0068	0.00078	0.000015	0.003
RPD (%)	6	30	2	9	40	0	2	-	67	6	29	-	3	2	0	18	29
M99-280-01	1.37	0.0007	0.00022	2.27	0.0001	< 0.00002	0.00116	< 0.001	0.00005	0.118	< 0.0001	< 0.00002	0.000025	0.0001	0.00055	0.000007	0.017
M99-280-01 Dup	1.35	0.00073	0.00019	2.35	0.0001	< 0.00002	0.00112	< 0.001	0.00004	0.118	< 0.0001	< 0.00002	0.000014	0.00009	0.00051	0.000008	0.016
RPD (%)	1	4	15	3	0	-	4	-	22	0	-	-	56	11	8	13	6
M99-341-01	6.73	0.00353	0.00033	6.66	0.0008	< 0.00002	0.00513	< 0.001	0.00002	0.03	0.0001	< 0.00002	0.000021	0.00066	0.00059	0.000003	< 0.001
M99-341-01 Dup	6.86	0.00368	0.00032	8.75	0.0009	0.00002	0.00468	< 0.001	0.00005	0.0392	< 0.0001	< 0.00002	0.000025	0.00063	0.00058	0.000013	0.017
RPD (%)	2	4	3	27	12	-	9	-	86	27	-	-	17	5	2	125	-
M99-403-02	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07
M99-403-02 Dup	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04
RPD (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M07-713-01	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07	8.07
M07-713-01 Dup	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04	8.04
RPD (%)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEDIAN RPD (%)	1	4	2	3	0	0	2	0	22	0	0	0	3	2	0	13	3

Notes:
dup = duplicate
RPD = relative percent c

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