ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: 2011 Poplar Geochemistry AR

TOTAL COST: $174,828.30

AUTHOR(S): Lorie Farrell
SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S):
STATEMENT OF WORK EVENT NUMBER(S)/DATE(S):

YEAR OF WORK: 2011

PROPERTY NAME: Poplar property – individual targets include Red Pine, Aspen, Alder, Hemlock, Copper pond East, Willow, Pimpernel, and Poplar.
CLAIM NAME(S) (on which work was done):

572617, 590167, 591516, 588261, 553746, 588267, 619907, 591533, 591355, 619923, 619925, 678283, 678303, 678323, 619926, 619927, 591532, 591527, 591526, 591350, 619827, 591531, 591528, 591530, 591529, 619844, 619826, 505707, 504763, 591501, 591500, 591661

COMMODITIES SOUGHT: Cu, Ag, Au, Mo

MINERAL INVENTORY MINFILE NUMBER(S),IF KNOWN:

MINING DIVISION: Omineca
NTS / BCGS: 093L02, 093L03, 093E14, 093E15
LATITUDE: _____ ° _____ ' _____ "
LONGITUDE: _____ ° _____ ' _____ " (at centre of work)
UTM Zone:9 EASTING: 632000 NORTHING: 5987000

OWNER(S): Lions Gate Metals

MAILING ADDRESS: Suite 880-609 Granville Street Pacific Centre PO Box 10321 Vancouver BC V7Y 1G5

OPERATOR(S) [who paid for the work]: Lions Gate Metals

MAILING ADDRESS:
Suite 880-609 Granville Street Pacific Centre PO Box 10321 Vancouver BC V7Y 1G5

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Do not use abbreviations or codes**)

Porphyry, geochemistry

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for …)			
Soil	448	572617, 553746, 590167	
Silt			
Rock	48		
Other	Till 146 Ah 103	648925, 591661, 591500 591502 591501 507383, 504728, 504763, 505707 6019826, 619825 591350 591527 591526 591528 618944 591529 591530 619907, 619923, 619925, 619926, 619927, 678323, 678303, 678283, 591355, 591353	
DRILLING (total metres, number of holes, size, storage location)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling / Assaying			

Petrographic		
Mineralographic		
Metallurgic		
PROSPECTING (scale/area)		
PREPATORY / PHYSICAL		
Line/grid (km)		
Topo/Photogrammetric (scale, area)		
Legal Surveys (scale, area)		
Road, local access (km)/trail		
Trench (number/metres)		
Underground development (metres)		
Other		
	TOTAL COST	174,828.30

1.0 TITLE PAGE

Assessment Report:

Geochemistry

Poplar Property

Lions Gate Metals Inc.

BC Geological Survey
Assessment Report
32813

Mineral Titles Online Tenure Numbers: 572617, 590167, 591516, 588261, 553746, 588267, 619907, 591533, 591355, 619923, 619925, 678283, 678303, 678323, 619926, 619927, 591532, 591527, 591526, 591350, 619827, 591531, 591528, 591530, 591529, 619844, 619826, 505707, 504763, 591501, 591500, 591661

OMINECA MINING DIVISION

BRITISH COLUMBIA, CANADA

Latitude 54° North
Longitude 127° East
NTS 1:50,000 map sheets
093L02, 093L03, 093E14 and 093E15

Prepared for

Lions Gate Metals Inc.
Suite 800 – 609 Granville Street
Vancouver BC V7Y 1G5

By

Lorie Farrell, B. Sc.
February 15, 2012
The effective date of the exploration data is July 15, 2011

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3.0 INTRODUCTION

In June and July 2011, geochemistry surveys were performed on Lions Gate Metals Poplar claims over priority targets that were developed based on the results of the detailed Aeroquest Helicopter-Borne AeroTEM System Electromagnetic and Magnetic Survey that was flown in 2009. This geophysical survey was done at 200m line spacing in order to locate untested porphyry style mineralization below glacial till cover. Wide spaced geochemistry surveys were performed in 2011 to begin to determine which targets had mineralization associated with them.

This assessment report was prepared in order to satisfy assessment filing requirements by the Mines Branch of the Ministry of Energy and Mines, Government of B.C.

The Poplar deposit is a porphyry copper-gold-silver-molybdenum deposit located 750 metres north of Tagetochlain (Poplar) Lake at an elevation of approximately 900 metres. This deposit is central to the claim group and associated with the Late Cretaceous Poplar stock. The Huckleberry Mine, located approximately 35 kilometres southwest of the Poplar Deposit, produces copper and molybdenum from a deposit of similar age and setting.

The exploration concept for historic, current and proposed exploration at Poplar has been to use the geophysical and geochemical characteristics common to porphyry copper deposits to develop targets for exploration.

The 2009 Airborne Geophysics program showed the potential for additional untested and under tested Porphyry style targets in other areas of the Poplar claims. The 2011 geochemistry program has showed that mineralization is associated with some of these geophysics targets

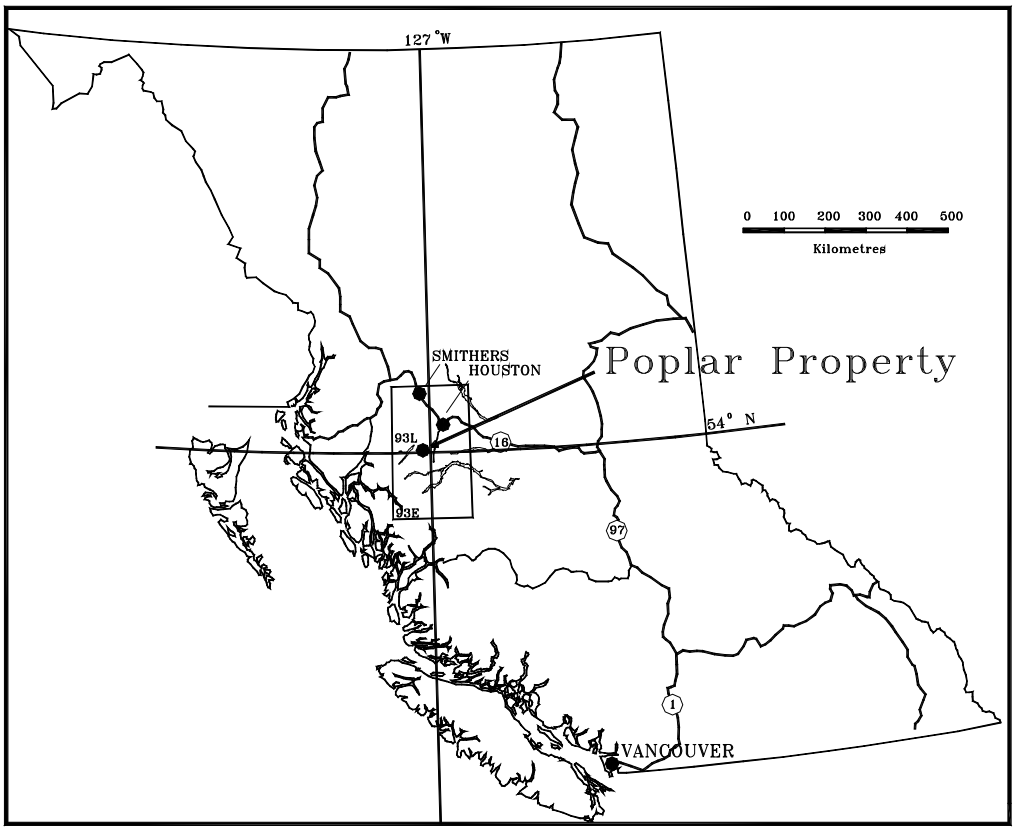

Figure 1. Location of the Poplar Property

4.0 PROPERTY DESCRIPTION AND LOCATION

The Poplar Mineral Property consists of 196 mineral tenures covering a surface area of 77,705.46 hectares. The claims are located in the Omineca Mining Division, Province of British Columbia; NTS map sheets 093L02, 093L03, 093L14 and 093L15.

The Poplar claims are in good standing until September 18, 2012. Work described in this report occurred over the central to eastern body of the Lions Gate Claims.

Lions Gate Metals is the registered owner of the Poplar Property, and holds 100% of the rights to the claims. Lions Gate Metals interest in certain claims is subject to an Amended and Restated Property Option Agreement dated July 30, 2007 between Hathor Exploration Limited and Fortress Base Metals Corporation, a predecessor of Lions Gate

Metals Inc. The agreement includes an Underlying Royalty of two per cent of the net smelter returns to the benefit of the estate of Mr. Frank Onucki, Mr. Mike Callaghan and Mr. Clyde Critchlow. The Company's interest in an additional 16 mineral claims for a total of 3902 hectares is also subject to an option agreement dated April 29, 2009 with Mr. John Bot. A further three mineral claims for a total of 266.5 hectares are subject to an option agreement dated May 25, 2009 with Ms. Patti Walker.

The Poplar Mineral Claims lie within an area in which Statements of Interest have been expressed by the Wet'suwet'en Nation and the Carrier Sekani Tribal Council.

Table 1. Summary of Mineral Tenures

Lions Gate Metals Ltd., Poplar Lake, British Columbia

Tenure Number	Claim Name	Area (HA)	Good To Date	Annual Work Due @$4&8/ha	Annual fees	Record Date	Map Number
936913	LARCH	398.97	2012/dec/09	$1,595.88	$159.59	2011/dec/09	093E097
936915	LARCH2	399.09	2012/dec/09	$1,596.36	$159.64	2011/dec/09	093E097
936917	LARCH3	399.23	2012/dec/09	$1,596.92	$159.69	2011/dec/09	093E097
936919	LARCH4	361.26	2012/dec/09	$1,445.04	$144.50	2011/dec/09	093E097
936921	LARCH5	456.47	2012/dec/09	$1,825.88	$182.59	2011/dec/09	093E097
936922	LARCH6	456.61	2012/dec/09	$1,826.44	$182.64	2011/dec/09	093E097
936924	WILLOW2	457.36	2012/dec/09	$1,829.44	$182.94	2011/dec/09	093E097
936925	WILLOW3	457.49	2012/dec/09	$1,829.96	$183.00	2011/dec/09	093E097
936926	WILLOW4	457.25	2012/dec/09	$1,829.00	$182.90	2011/dec/09	093E097
936927		456.88	2012/dec/09	$1,827.52	$182.75	2011/dec/09	093E097
936928	WILLARCH	456.71	2012/dec/09	$1,826.84	$182.68	2011/dec/09	093E097
929489	POPLAR S1	476.34	2012/nov/17	$1,905.37	$190.54	2011/nov/17	093E095
929490	POPLAR S2	381.08	2012/nov/17	$1,524.32	$152.43	2011/nov/17	093E095
929491	POPLAR S3	476.52	2012/nov/17	$1,906.09	$190.61	2011/nov/17	093E095
929492	POPLAR S4	228.79	2012/nov/17	$915.17	$91.52	2011/nov/17	093E095
929493	POPLAR S5	456.83	2012/nov/17	$1,827.30	$182.73	2011/nov/17	093E095
929494	POPLAR S6	476.08	2012/nov/17	$1,904.31	$190.43	2011/nov/17	093E095
929495	POPLAR S7	456.83	2012/nov/17	$1,827.34	$182.73	2011/nov/17	093E095
929496	POPLAR S8	476.08	2012/nov/17	$1,904.32	$190.43	2011/nov/17	093E095
929497	POPLAR S9	476.11	2012/nov/17	$1,904.42	$190.44	2011/nov/17	093E095
929498	POPLAR S10	456.86	2012/nov/17	$1,827.45	$182.75	2011/nov/17	093E095

929499	POPLAR S11	456.87	2012/nov/17	$1,827.48	$182.75	2011/nov/17	093E095
929504	POPLAR S12	476.12	2012/nov/17	$1,904.48	$190.45	2011/nov/17	093E095
929509	POPLAR S13	457.28	2012/nov/17	$1,829.12	$182.91	2011/nov/17	093E095
929511	POPLAR S14	476.12	2012/nov/17	$1,904.49	$190.45	2011/nov/17	093E095
929512	POPLAR S15	456.88	2012/nov/17	$1,827.53	$182.75	2011/nov/17	093E095
929513	POPLAR S16	476.13	2012/nov/17	$1,904.54	$190.45	2011/nov/17	093E095
929514	POPLAR S17	476.33	2012/nov/17	$1,905.33	$190.53	2011/nov/17	093E095
929515	POPLAR S18	457.29	2012/nov/17	$1,829.16	$182.92	2011/nov/17	093E095
929516	POPLAR S19	476.14	2012/nov/17	$1,904.54	$190.45	2011/nov/17	093E095
929517	POPLAR S20	476.15	2012/nov/17	$1,904.59	$190.46	2011/nov/17	093E095
929518	POPLAR S21	457.27	2012/nov/17	$1,829.07	$182.91	2011/nov/17	093E095
929519	POPLAR S22	323.87	2012/nov/17	$1,295.49	$129.55	2011/nov/17	093E095
590006	POPLAR	171.17	2012/sep/18	$1,369.35	$68.47	2008/aug/15	093E
590007	POPLAR	456.04	2012/sep/18	$3,648.29	$182.41	2008/aug/15	093E
590015	POPLAR	455.68	2012/sep/18	$3,645.41	$182.27	2008/aug/15	093L
591337		227.73	2012/sep/18	$1,821.82	$91.09	2008/sep/13	093L
591338		455.41	2012/sep/18	$3,643.31	$182.17	2008/sep/13	093L
591339	POPLAR	208.70	2012/sep/18	$1,669.60	$83.48	2008/sep/13	093L
591340	POPLAR	455.90	2012/sep/18	$3,647.17	$182.36	2008/sep/13	093L
591351	POPLAR	341.47	2012/sep/18	$2,731.76	$136.59	2008/sep/13	093L
591352	POPLAR	417.34	2012/sep/18	$3,338.70	$166.93	2008/sep/13	093L
591353	POPLAR	455.45	2012/sep/18	$3,643.61	$182.18	2008/sep/13	093L
591513	POPLAR	228.56	2012/sep/18	$1,828.44	$91.42	2008/sep/17	093E
591514	POPLAR	476.20	2012/sep/18	$3,809.58	$190.48	2008/sep/17	093E
591515	POPLAR	38.11	2012/sep/18	$304.89	$15.24	2008/sep/17	093E
591518	POPLAR	476.34	2012/sep/18	$3,810.75	$190.54	2008/sep/17	093E
591519	POPLAR	476.25	2012/sep/18	$3,810.02	$190.50	2008/sep/17	093E
591520		438.27	2012/sep/18	$3,506.12	$175.31	2008/sep/17	093E
591521	POPLAR	303.49	2012/sep/18	$2,427.92	$121.40	2008/sep/17	093L
591534	POPLAR	474.17	2012/sep/18	$3,793.39	$189.67	2008/sep/17	093L
591535	POPLAR	474.20	2012/sep/18	$3,793.57	$189.68	2008/sep/17	093L
591536	POPLAR	474.41	2012/sep/18	$3,795.31	$189.77	2008/sep/17	093L
591537	POPLAR	474.41	2012/sep/18	$3,795.29	$189.76	2008/sep/17	093L
591538	POPLAR	455.42	2012/sep/18	$3,643.38	$182.17	2008/sep/17	093L
591564	POPLAR	474.65	2012/sep/18	$3,797.19	$189.86	2008/sep/18	093L
591565	POPLAR	455.64	2012/sep/18	$3,645.14	$182.26	2008/sep/18	093L
591747	POPLAR	474.64	2012/sep/18	$3,797.14	$189.86	2008/sep/22	093L
591749	POPLAR	474.79	2012/sep/18	$3,798.33	$189.92	2008/sep/22	093L
591754	POPLAR	475.03	2012/sep/18	$3,800.21	$190.01	2008/sep/22	093L

591755	POPLAR	437.24	2012/sep/18	$3,497.92	$174.90	2008/sep/22	093E
591756	POPLAR	474.88	2012/sep/18	$3,799.06	$189.95	2008/sep/22	093L
591757	POPLAR	474.88	2012/sep/18	$3,799.00	$189.95	2008/sep/22	093L
591758	POPLAR	455.91	2012/sep/18	$3,647.28	$182.36	2008/sep/22	093L
591759	POPLAR	475.12	2012/sep/18	$3,800.93	$190.05	2008/sep/22	093E
591760	POPLAR	475.10	2012/sep/18	$3,800.82	$190.04	2008/sep/22	093E
591761	POPLAR	475.19	2012/sep/18	$3,801.53	$190.08	2008/sep/22	093E
591762	POPLAR	475.35	2012/sep/18	$3,802.78	$190.14	2008/sep/22	093E
591763	POPLAR	474.85	2012/sep/18	$3,798.82	$189.94	2008/sep/22	093L
591764	POPLAR	455.82	2012/sep/18	$3,646.57	$182.33	2008/sep/22	093L
591768	POPLAR	474.91	2012/sep/18	$3,799.26	$189.96	2008/sep/22	093L
591771	POPLAR	418.05	2012/sep/18	$3,344.40	$167.22	2008/sep/22	093L
591774	POPLAR	266.06	2012/sep/18	$2,128.48	$106.42	2008/sep/22	093L
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591832	POPLAR	475.65	2012/sep/18	$3,805.17	$190.26	2008/sep/23	093E
591833	POPLAR	475.69	2012/sep/18	$3,805.53	$190.28	2008/sep/23	093E
591834	POPLAR	38.04	2012/sep/18	$304.29	$15.21	2008/sep/23	093E
619823	POP1	455.64	2012/sep/18	$1,822.56	$182.26	2009/aug/16	093L006
619824	POP2	455.66	2012/sep/18	$1,822.64	$182.26	2009/aug/16	093L006
619843	POPLAR	455.65	2012/sep/18	$1,822.60	$182.26	2009/aug/16	093L005
619844	POP6	436.64	2012/sep/18	$1,746.56	$174.66	2009/aug/16	093L005
619883	POP7	474.76	2012/sep/18	$1,899.04	$189.90	2009/aug/16	093L005
619903	POP8	189.96	2012/sep/18	$759.84	$75.98	2009/aug/16	093L005
619904	POP9	18.98	2012/sep/18	$75.93	$7.59	2009/aug/16	093L005
619905	POPLAR	19.00	2012/sep/18	$76.00	$7.60	2009/aug/16	093L005
619906	POP10	227.82	2012/sep/18	$911.26	$91.13	2009/aug/16	093L005
629284	POPLAR	152.12	2012/sep/18	$608.48	$60.85	2009/sep/06	093E096
648927	POPLAR	475.65	2012/sep/18	$1,902.61	$190.26	2009/oct/08	093E095
648943	POPLAR	475.69	2012/sep/18	$1,902.75	$190.28	2009/oct/08	093E094,095
679383	POPLAR	455.79	2012/sep/18	$1,823.17	$182.32	2009/dec/04	093L007
679386	POPLAR	456.07	2012/sep/18	$1,824.28	$182.43	2009/dec/04	093L007
679387	POPLAR	456.31	2012/sep/18	$1,825.23	$182.52	2009/dec/04	093E096
679388	POPLAR	456.31	2012/sep/18	$1,825.22	$182.52	2009/dec/04	093E096
679403	POPLAR	456.45	2012/sep/18	$1,825.79	$182.58	2009/dec/04	093E096
679404	POPLAR	456.59	2012/sep/18	$1,826.34	$182.63	2009/dec/04	093E096
679444	POPLAR	456.47	2012/sep/18	$1,825.87	$182.59	2009/dec/04	093E096
686883		454.92	2012/sep/18	$1,819.70	$181.97	2009/dec/17	093L015
686903	SCARLET3	303.19	2012/sep/18	$1,212.77	$121.28	2009/dec/17	093L015,016
697663	SCARLET 5	227.51	2012/sep/18	$910.04	$91.00	2010/jan/11	093L016

504728	pop	475.05	2013/jan/31	$3,800.41	$190.02	2005/jan/24	093L006
504732	pop2	57.02	2013/jan/31	$456.16	$22.81	2005/jan/24	093L006
504763	Popular A	94.98	2013/jan/31	$759.87	$37.99	2005/jan/25	093L006
504765	Popular B	304.13	2013/jan/31	$2,433.02	$121.65	2005/jan/25	093E096,093L006
505707	Popular 5	379.89	2013/jan/31	$3,039.10	$151.95	2005/feb/03	093L006
505711	Popular 6	341.87	2013/jan/31	$2,734.99	$136.75	2005/feb/03	093L006
505714	Popular 7	380.08	2013/jan/31	$3,040.61	$152.03	2005/feb/03	093E096,093L006
505717	Popular 8	323.20	2013/jan/31	$2,585.62	$129.28	2005/feb/03	093E096
505729	Popular 9	304.00	2013/jan/31	$2,432.02	$121.60	2005/feb/03	093L006
506385		893.12	2013/jan/31	$7,144.93	$357.25	2005/feb/09	093E096,093L006
507383		342.06	2013/jan/31	$2,736.51	$136.83	2005/feb/17	093L006
507393		227.98	2013/jan/31	$1,823.84	$91.19	2005/feb/17	093L006
513562		76.04	2013/jan/31	$608.28	$30.41	2005/may/30	093L006
532604	DUAL	38.06	2013/jan/31	$304.48	$15.22	2006/apr/19	093E
553746	NADINA	76.17	2013/jan/31	$609.36	$30.47	2007/mar/06	093E
558157	VALLEY	38.07	2013/jan/31	$304.56	$15.23	2007/may/06	093E
563694	TROJAN	76.13	2013/jan/31	$609.04	$30.45	2007/jul/27	093E095
572617	NAD 1	323.72	2013/jan/31	$2,589.76	$129.49	2007/dec/28	093E
588261		152.32	2013/jan/31	$1,218.56	$60.93	2008/jul/15	093E
588267		95.20	2013/jan/31	$761.60	$38.08	2008/jul/15	093E
589018	POPLAR	380.28	2013/jan/31	$3,042.24	$152.11	2008/jul/29	093E
589025	POPLAR 2	399.42	2013/jan/31	$3,195.36	$159.77	2008/jul/29	093E
589030	POPLAR 3	76.10	2013/jan/31	$608.80	$30.44	2008/jul/29	093E
589035	POPLAR 4	209.29	2013/jan/31	$1,674.32	$83.72	2008/jul/29	093E
589036		38.04	2013/jan/31	$304.32	$15.22	2008/jul/29	093E
590000	POPLAR	75.99	2013/jan/31	$607.94	$30.40	2008/aug/15	093L
590167		323.81	2013/jan/31	$2,590.48	$129.52	2008/aug/19	093E
590495	TROY	114.19	2013/jan/31	$913.52	$45.68	2008/aug/28	093E095
590543	GATEWAY	76.13	2013/jan/31	$609.04	$30.45	2008/aug/29	093E095
591341	POPLAR	436.96	2013/jan/31	$3,495.65	$174.78	2008/sep/13	093L
591342	POPLAR	456.15	2013/jan/31	$3,649.20	$182.46	2008/sep/13	093E
591343	POPLAR	475.26	2013/jan/31	$3,802.10	$190.11	2008/sep/13	093E
591344	POPLAR	455.92	2013/jan/31	$3,647.36	$182.37	2008/sep/13	093L
591345		456.25	2013/jan/31	$3,650.03	$182.50	2008/sep/13	093E
591346	POPLAR	456.13	2013/jan/31	$3,649.01	$182.45	2008/sep/13	093L

591347	POPLAR	456.24	2013/jan/31	$3,649.91	$182.50	2008/sep/13	093E
591348	POPLAR	456.40	2013/jan/31	$3,651.17	$182.56	2008/sep/13	093E
591350	POPLAR	455.47	2013/jan/31	$3,643.77	$182.19	2008/sep/13	093L
591355	POPLAR	455.59	2013/jan/31	$3,644.69	$182.23	2008/sep/13	093L
591404	POPLAR	456.59	2013/jan/31	$3,652.69	$182.63	2008/sep/15	093E
591405	POPLAR	475.47	2013/jan/31	$3,803.79	$190.19	2008/sep/15	093E
591406	POPLAR	475.51	2013/jan/31	$3,804.10	$190.20	2008/sep/15	093E
591407	POPLAR	19.02	2013/jan/31	$152.12	$7.61	2008/sep/15	093E
591408	POPLAR	475.59	2013/jan/31	$3,804.71	$190.24	2008/sep/15	093E
591409	POPLAR	475.75	2013/jan/31	$3,805.98	$190.30	2008/sep/15	093E
591417	POPLAR	475.84	2013/jan/31	$3,806.69	$190.33	2008/sep/15	093E
591418	POPLAR	418.73	2013/jan/31	$3,349.81	$167.49	2008/sep/15	093E
591419	POPLAR	475.96	2013/jan/31	$3,807.69	$190.38	2008/sep/15	093E
591420	POPLAR	475.99	2013/jan/31	$3,807.94	$190.40	2008/sep/15	093E
591421	POPLAR	457.00	2013/jan/31	$3,656.01	$182.80	2008/sep/15	093E
591422	POPLAR	476.07	2013/jan/31	$3,808.52	$190.43	2008/sep/15	093E
591423	POPLAR	456.75	2013/jan/31	$3,653.98	$182.70	2008/sep/15	093E
591497	POPLAR	475.99	2013/jan/31	$3,807.94	$190.40	2008/sep/17	093E
591498	POPLAR	456.75	2013/jan/31	$3,653.98	$182.70	2008/sep/17	093E
591500	POPLAR	476.21	2013/jan/31	$3,809.67	$190.48	2008/sep/17	093E
591501	POPLAR	476.24	2013/jan/31	$3,809.90	$190.49	2008/sep/17	093E
591502	POPLAR	476.37	2013/jan/31	$3,810.99	$190.55	2008/sep/17	093E
591503	POPLAR	457.23	2013/jan/31	$3,657.81	$182.89	2008/sep/17	093E
591512	POPLAR	419.26	2013/jan/31	$3,354.04	$167.70	2008/sep/17	093E
591516	POPLAR	476.20	2013/jan/31	$3,809.61	$190.48	2008/sep/17	093E
591525	POPLAR	474.19	2013/jan/31	$3,793.54	$189.68	2008/sep/17	093L
591526	POPLAR	455.27	2013/jan/31	$3,642.18	$182.11	2008/sep/17	093L
591527		455.47	2013/jan/31	$3,643.76	$182.19	2008/sep/17	093L
591528	POPLAR	455.47	2013/jan/31	$3,643.74	$182.19	2008/sep/17	093L
591529	POPLAR	455.45	2013/jan/31	$3,643.61	$182.18	2008/sep/17	093L
591530	POPLAR	455.28	2013/jan/31	$3,642.26	$182.11	2008/sep/17	093L
591531	POPLAR	455.15	2013/jan/31	$3,641.17	$182.06	2008/sep/17	093L
591532	POPLAR	436.24	2013/jan/31	$3,489.90	$174.49	2008/sep/17	093L
591533	POPLAR	474.18	2013/jan/31	$3,793.42	$189.67	2008/sep/17	093L
591658	PPR	323.43	2013/jan/31	$2,587.44	$129.37	2008/sep/20	093E
591660	POP	476.00	2013/jan/31	$3,808.00	$190.40	2008/sep/20	093E
591661	POP 2	476.22	2013/jan/31	$3,809.76	$190.49	2008/sep/20	093E
591662	POP 3	476.23	2013/jan/31	$3,809.84	$190.49	2008/sep/20	093E
591779	POPLAR	475.32	2013/jan/31	$3,802.58	$190.13	2008/sep/22	093E

591782	POPLAR	475.43	2013/jan/31	$3,803.47	$190.17	2008/sep/22	093E
591785	POPLAR	456.47	2013/jan/31	$3,651.75	$182.59	2008/sep/22	093E
619825	POP3	455.67	2013/jan/31	$3,645.38	$182.27	2009/aug/16	093L006
619826	POP4	455.68	2013/jan/31	$3,645.47	$182.27	2009/aug/16	093L006
619827	POP5	455.69	2013/jan/31	$3,645.56	$182.28	2009/aug/16	093L005,006
619907	POPLAR	455.46	2013/jan/31	$3,643.68	$182.18	2009/aug/16	093L006
619923	POP11	455.59	2013/jan/31	$3,644.74	$182.24	2009/aug/16	093L006
619924	POPLAR	456.14	2013/jan/31	$1,824.56	$182.46	2009/aug/16	093L006
619925	POP12	455.73	2013/jan/31	$3,645.81	$182.29	2009/aug/16	093L006
619926	POP13	455.86	2013/jan/31	$3,646.89	$182.34	2009/aug/16	093L006
619927	POPLAR	456.00	2013/jan/31	$3,648.00	$182.40	2009/aug/16	093L006
648925	POPLAR	476.54	2013/jan/31	$3,812.32	$190.62	2009/oct/08	093E086
648926	POPLAR	476.58	2013/jan/31	$3,812.62	$190.63	2009/oct/08	093E086
648944	POPLAR	475.68	2013/jan/31	$3,805.40	$190.27	2009/oct/08	093E095
675683	SCARLET1	455.03	2013/jan/31	$3,640.27	$182.01	2009/nov/27	093L015,016
675684	SCARLET2	454.90	2013/jan/31	$3,639.21	$181.96	2009/nov/27	093L015,016
678283	POPLAR	455.72	2013/jan/31	$3,645.77	$182.29	2009/dec/02	093L006,007
678303	POPLAR	455.86	2013/jan/31	$3,646.85	$182.34	2009/dec/02	093L006,007
678323	POPLAR	455.99	2013/jan/31	$3,647.93	$182.40	2009/dec/02	093L006,007
678343	POPLAR	456.14	2013/jan/31	$3,649.12	$182.46	2009/dec/02	093L006,007
679423	POPLAR	437.38	2013/jan/31	$3,499.00	$174.95	2009/dec/04	093E096
679424	POPLAR	285.37	2013/jan/31	$2,282.93	$114.15	2009/dec/04	093E096
679443	POPLAR	228.37	2013/jan/31	$1,826.99	$91.35	2009/dec/04	093E096
196 claims		**77705.46**		**$529,409.24**	**$31,082.18**		

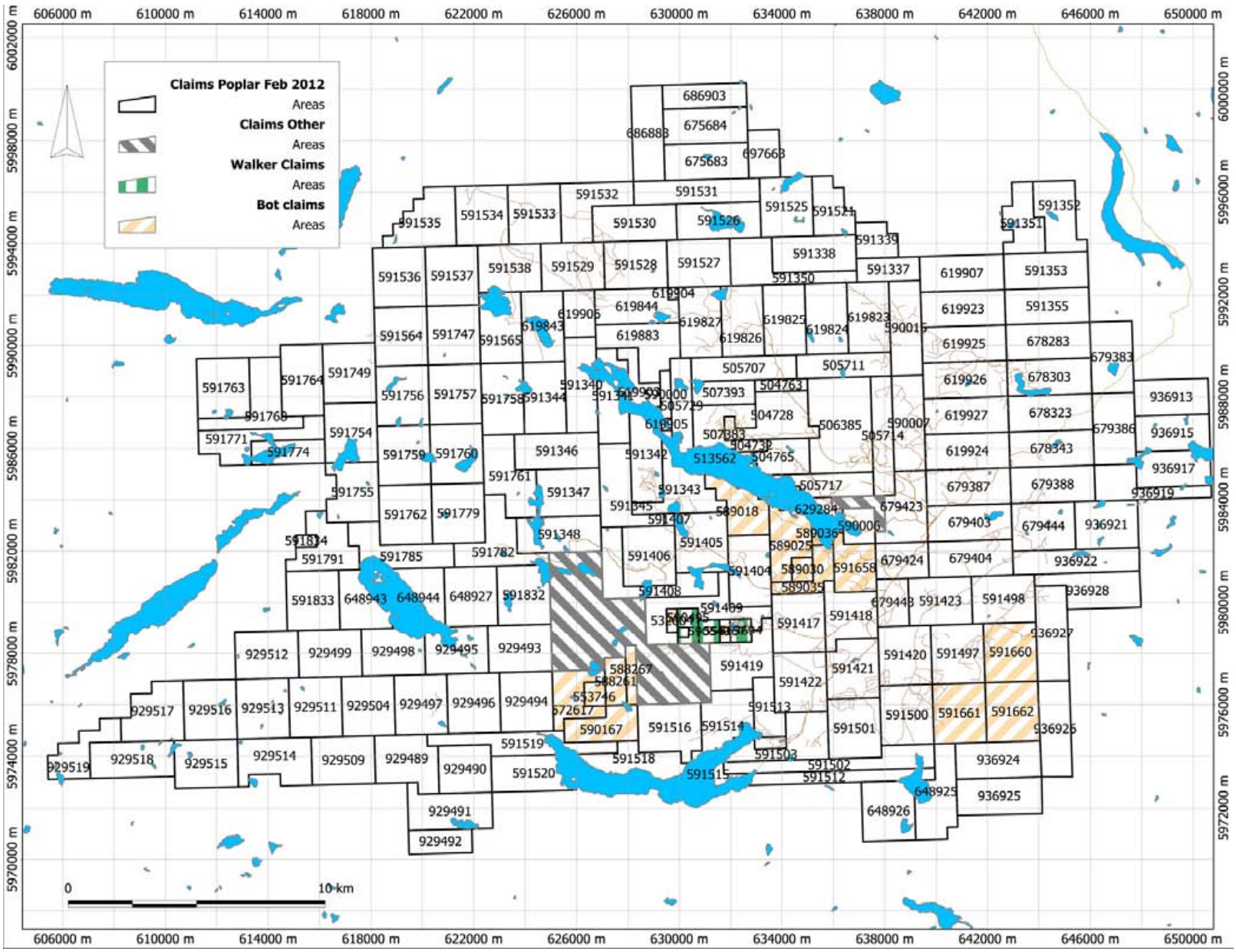

Figure 2. Location of Mineral Tenures owned by Lions Gate Minerals at Poplar Lake, British Columbia. Grey hatched areas represent Mineral Tenures owned by individuals unrelated to Lions Gate Minerals. Tenure locations as of February 7, 2012. Also shown are lakes, forest service access roads and exploration trails.

5.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

5.1 Topography, elevation and vegetation

The property is located in the Tagetochlain (Poplar) Lake – Poplar Mountain district south of Houston, British Columbia. The district is located on the western margin of the Nechako Plateau physiographic region of central British Columbia. Relief is moderate on the property with a maximum difference in elevation of approximately 800 metres. The highest point on the property is the summit of Poplar Mountain, a local landmark, at approximately 1627 metres, with the lowest point at 825 metres on the shores of Poplar Lake.

Poplar Mountain drains to the south into Poplar Lake, thence by Poplar Creek into the Nadina River, and thence into the Fraser River system.

Ground cover is varied on the property. Open meadows used for grazing livestock are partially succeeded by open aspen parkland or scrub pine and spruce, which yield to sub-mature and mature stands of balsam fir at higher elevations.

5.2 Access to the Poplar Mineral Claims

The property is located approximately 60 kilometres south of the town of Houston in the Central Interior of British Columbia.

From Houston, road access to the deposit is approximately 90 km using a two-wheel drive vehicle in fair weather, and a four-wheel drive vehicle in poor weather. Road access is achieved by first travelling west from Houston on Highway 16 to the intersection with the Morice Forest Service Road; thence south 56.5 km on the Morice FSR and the Morice Owen FSR to the intersection with the Morice Nadina Forest Service Road. Travel is then south and west along the Morice Nadina FSR a further 19 kilometres to the Hill Tout Forest Service Road. The Hill Tout FSR is taken to the west for approximately 2.5 km to the intersection with the old Alcan Tahtsa access road. The Alcan Tahtsa Road is taken 1.3 kilometres north to the intersection with the Poplar Forest

Service Road, which is followed for approximately 8.6 kilometres west to the Main Zone of the Poplar property. The Poplar deposit is relatively central in the property.

5.3 Local Infrastructure

Houston, British Columbia is a major supply and industrial service center for the mining and logging operations located in the area. Houston is serviced by the CNR transcontinental railway as well as by Highway 16, a major thoroughfare. Daily air service to Vancouver is available from the Smithers, B.C. airport, which is approximately 70 kilometres by road to the west of Houston. There is a municipal airstrip west of Houston for non-scheduled services, and helicopters may be hired locally. The town of Smithers, located approximately 65 km to the west is also a service centre for the mineral exploration industry, with diamond drilling contractors, air services, and professional exploration personnel.

5.4 Climate and Operating Season

Climate on the Poplar property is typical of the Central Interior, with short cool summers, and long relatively mild winters. Annual temperature variation in the region is approximately –25 to +25 degrees Celsius. Snowpack in the winter ranges from approximately 1 to 2 metres. Exploration activities may be undertaken year round, with provision for freeze-up in the fall and break-up in the spring, when activities may be curtailed.

5.5 Other Resources

Adequate supplies of surface and ground water for exploration and mining are available. Water use is subject to provincial and federal regulation. Land use for exploration and mining purposes is governed by the Mineral Tenure Act, the Mines Right of Way Act, the Mines Act and other applicable laws of the Province of British Columbia.

The claims are located on Crown Land. Other resource related tenures in the area consist of grazing leases on the open pastures around Poplar Lake. The Nadina Lake Lodge is located on Gordeau Bay in Nadina Lake and is the only privately held land known of by

the author on the claims. A Forest Service public campsite is located on the northeast shore of Poplar Lake, and has repeated use by local First Nations. A set of spawning channels is located on the Nadina River near the outlet of Nadina Lake, approximately 12.5 kilometres south of the Poplar Deposit. The spawning channels service one of the Fraser River sockeye salmon runs.

The 138 KVA power line and the access road servicing the Huckleberry Mine are located approximately eleven kilometres west of the Poplar mineral claims.

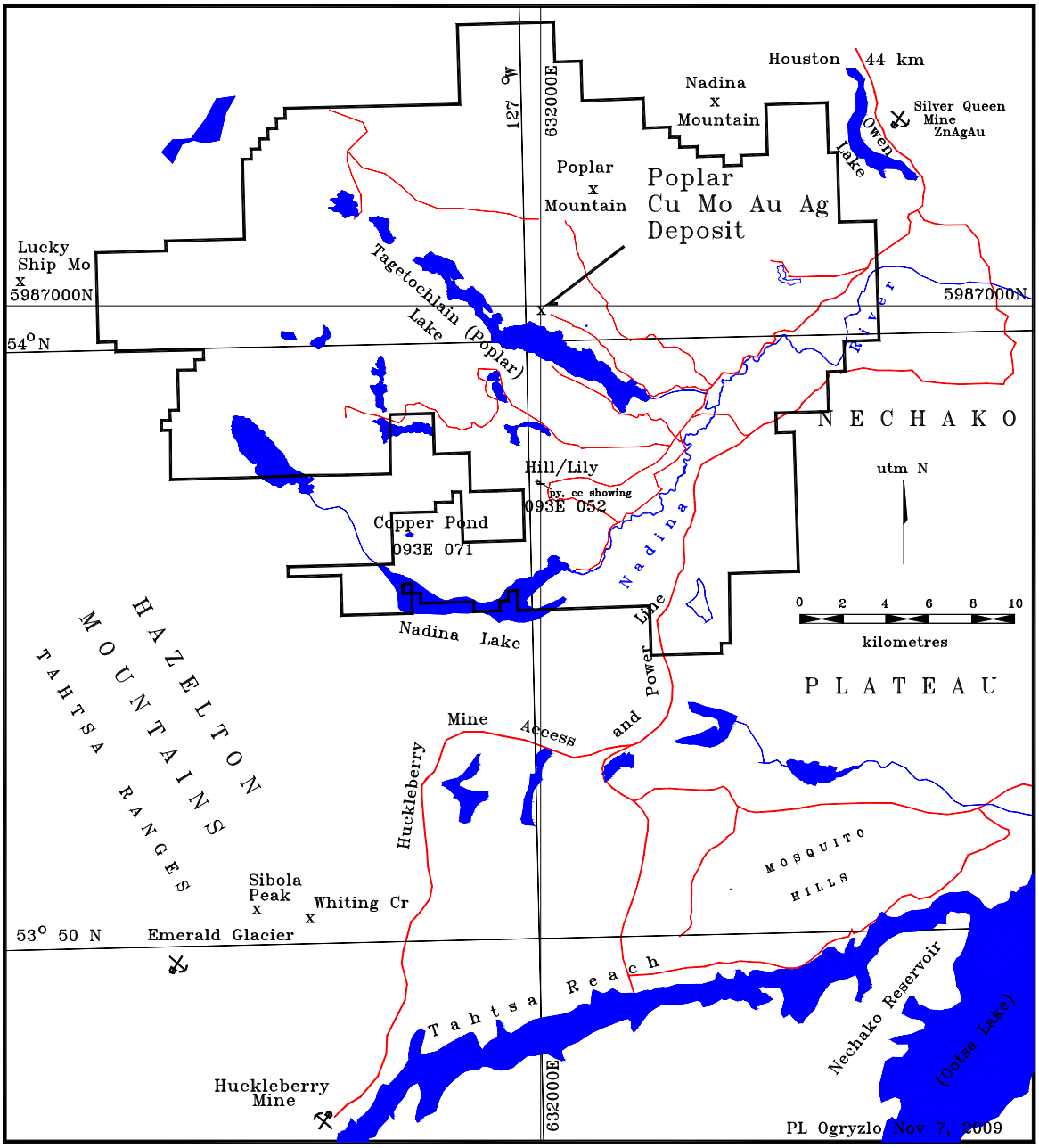

Figure 3. Poplar Lake Property Access with mineralized zone and surrounding mineral properties.

6.0 HISTORY

6.1 Exploration and Mining History of the western Nechako Plateau

In general, the western edge of the Nechako Plateau has been actively explored since the early part of the 20th century. The Emerald Glacier Mine (MINFILE 093E001) is located in the Whiting Creek drainage approximately 35 km SW of the Poplar Property Claim, and was one of the first mines developed in north central British Columbia. The mine intermittently exploited a high grade Ag-Pb-Zn vein between 1951 and 1968. Reported production was 2.6 million grams of Ag, 1,524 grams of gold, 1.7 tonnes of Cd, 9 tonnes of Cu, 766 tonnes of lead and 892 tonnes of Zn extracted from 8,293 tonnes of ore. The ore was produced from a series of en-echelon polymetallic quartz veins cutting feldspathic sandstone and lesser siltstone and tuffaceous shale near the contact with overlying andesitic volcanic rocks and breccia.

A major thrust of exploration occurred in the late 1960s and early 1970s. This work led to the development of the Silver Queen underground mine (MINFILE 093L002) at Owen Lake, approximately 18 km northeast of the Poplar property. Silver Queen produced approximately 438,790 ounces of silver, 3,157 ounces of gold and 11.1 million pounds of zinc with lesser credits for lead, copper and cadmium from approximately 200,000 tons of ore in 1972 and 1973.

Exploration during this period also led to the discovery of the Huckleberry Mine (MINFILE 093E 037), which was actively explored from 1963 to 1994. The mine is located on the north side of Tahtsa Reach approximately 42 km WSW of the Poplar property. Porphyry copper-molybdenum mineralization at Huckleberry is associated with an elliptical stock of the Late Cretaceous Bulkley Intrusions. Production began in 1997, and the mine was operating at a rate of 18,500 tonnes per day at the time of preparation of this report. The operation is a modern mine and mill industrial complex producing copper, molybdenum, silver and gold, and is well-serviced with road, power and water. Combined geological resources at the opening of the mine were 162 million tonnes

containing 0.47% Cu and 0.014 % Mo. The deposit has also produced 8,576 kilograms of silver and 253,460 grams of gold up to 2001.

The above information regarding production from the surrounding deposits has not been verified. The information is not necessarily indicative of the mineralization on the property that is the subject of this assessment report.

6.2 Previous Exploration History on the Poplar Claim Group

There has been considerable historic exploration on the Poplar group of claims which are currently held by Lions Gate Metals. Exploration began in 1969 and has sporadically continued to the present day. The areas of exploration will be grouped into three main areas for the purposes of this report. These areas will be referred to as the Eastern claims, the Southern Claims, and the Northwestern claims. In addition to the historic work that has been done over these individual areas on the property, in 2009 Lions Gate Metals commissioned an airborne geophysics survey flown over the bulk of the claims that were owned at the time.

The eastern claims consist of the area between the western shores of Owens Lake to the eastern shore of Poplar Lake; this includes the Duck Lake area which is referred to the Red Pine area in other locations in this report. The southern claims consist of the area to the north of Nadina Lake along the road that runs on an approximate E-W orientation north of Nadina Lake. Areas discovered during this historic exploration include the Ida/Nadi area which encompasses the Copper Pond deposit & Camp Lake work, the area of the Thira-Dual-Con-Lily Showings, and the Hill showing. Overlapping programs in these areas were common as claims shifted names and owners. Little historic work has been recorded on the Willow target in the south east and the claims that are located in the Northwestern quadrant of the claim block which include the Aspen, Pimpernel, Hemlock and Birch targets. The main area of interest in the claim block is the Poplar Deposit which is located to the north of Poplar Lake. Considerable exploration has been done on this deposit from 1973-2011 but will not be described in this report. Historic work done

on China Creek will not be described either as both have been described in depth in previous reports.

Eastern Claims:

1969 - Arcadia Exploration Ltd. performed Geochemical and Geophysical surveys in what was referred to as the Ark claims which were located to the west of Owen Lake, high anomalous silver results were returned from soil sampling. Further exploration was performed in the eastern part of the Poplar claims.

1970 - Summit Oils Ltd had a program of geochemistry, geology, and geophysics to the northeast of Duck Lake. Coinciding Copper and Zinc anomalies occurred over a fault which was suggested by the geophysics. Delbrook Mines Ltd. also ran an IP survey to the Northeast of Duck Lake in 1970 and positive undefined chargeability zones were located.

1977 - Gold River Mines Ltd & Dual Resources Ltd. performed an airborne magnetic survey over the Tagetochlain Lake properties which were to the immediate east of Poplar Lake, no new intrusives were located with the magnetic survey and anomalous geochemistry zones were encountered.

1978 – Gold River Mines & Enterprises Ltd. performed a soil geochemistry survey over the claims to the southeast of Poplar Lake which resulted in multiple small anomalous zones.

1979 – Artillery Resources had a seven drill hole program to the southwest of Duck Lake on the Nettie property, no mineralization was intercepted.

1980 –Sutherland Resources Ltd. performed a seismic survey and drilling to the southeast of Poplar Lake in the Bonnie property, no bedrock was intercepted.

1980 – Celebrity Mining Corp. performed an inconclusive geological and magnetometer and VLF-Electro-Magnetic survey on the Dilys group to the northeast edge of Poplar Lake

1983 – Noranda Exploration performed an EM and Magnetic Geophysics survey to the southwest of Nadina Mountain on the Hari, and Shawn Claims, anomalies were located on the Hari claims.

1983 - Noranda Exploration also performed an EM and Magnetic Geophysics survey on the south eastern flank of Nadina Mountain on the Vampire and Henk claims, anomalies were located on the Henk claim.

1984 – Noranda Exploration performed a follow up two drill hole program on the Henk & Vampire claims, no mineralization was encountered and the anomaly was determined to be a clay rich pocket of overburden.

Southern Claims:

1971 – Passport Mines performed a geochemistry survey on the Con group of claims to the south of Hill-Tout Lake and Jorax Ltd. performed a geochemistry survey to the northeast of Camp Lake in the Nadi area.

1972 – Quintana Minerals Corporation performed mapping, soil & rock sampling over the AFT & HT claims in the Lily area. Jorax performed IP & Resistivity surveys over the Nadi claims as well as an EM & Mag survey in the Copper Pond area.

1973 – Jorax Ltd. & Dome Exploration Ltd. performed additional geophysics as well as soil sampling around the Copper Pond and Camp Lake areas.

1973 – Dome Exploration Ltd. drilled 14 diamond drill holes over the Copper Pond area and two at Camp Lake. A zone roughly 120 by 275 metres with an average grade of 0.16% Cu was outlined at Copper Pond.

1974 – Quintana Minerals Corp. Performed an IP survey over the Lily & Hill Lake areas as well as a percussion drill program in the Hill Lake area.

1982 – Newmont Exploration of Canada Ltd. performed a Magnetic and IP survey over the Nadina Claims which were centered on Hill Lake.

1990 – Swift Minerals Ltd. Performed a 6 hole diamond drill program on the Hill property to the SW of Hill Lake where minor Cu (0.18% over 2m) was encountered. Also during this year, Placer Dome Inc. & Canadian Jorax Ltd. performed IP and stream sampling over the Thira claims which cover the old Nadi & Ida claims over the Camp Lake area. Results included 1135 ppb Au from a moss mat sample.

1994 – Cominco performed one line of IP & Resistivity on the Thira to the SE of Camp Lake. Soil sampling was also performed to the west of Hill Lake.

1995 – Cominco performed soil sampling and 8 percussion drill holes on the Thira Property from Hill Lake to Camp Lake, one hole returned 0.18% Cu over 67 metres.

1996 – Cominco performed a follow up diamond drill program on the Thira property.

2008 & 2009 - Lions Gate Metals performed minor prospecting and sampling along this lower road, strong alteration and minor elevated metals were returned

Western Claims:

1983 – Noranda Exploration Company Ltd. performed a geology, geochemistry and VLF-EM survey over the Bittern Claim located 4km to the north of the western shores of Poplar Lake. Areas of anomalous concentrations of Cu, Zn and Ag were revealed.

2009 – Lions Gate Metals Inc. performed a till sampling and prospecting program over many of the Poplar claim targeting areas of interest that were exposed during the Geoscience BC Quest West airborne survey.

7.0 GEOLOGICAL SETTING

7.1 Regional Geology

The Whitesail and Smithers map areas (NTS 93E / 93L) straddle the boundary between the Coast tectonic belt and the Intermontane tectonic belt (MacIntyre et al., 1994, 2007). The Kitimat Ranges of the Coast Mountains lie to the west, with the Tahtsa Ranges of the Hazelton Mountains lying between the Interior Plateau and the Coast Mountains. Much of the map area is underlain by the Lower to Middle Jurassic Hazelton Group. The Hazelton group is comprised of folded and weakly metamorphosed to undeformed intermediate and basic volcanic rocks, as well as derived sedimentary rocks attributed to ancient island arc complexes of the Stikine Terrane. Mesozoic compressional tectonics resulting from the joining of the Stikine Terrane to continental North America were succeeded by Late Cretaceous and Tertiary extension and rifting. The Cretaceous Skeena Group is comprised of black marine shale and siltstone, with lesser sandstone and conglomerate. These rocks were deposited in successor marine basins as igneous activity waned.

Continental volcanic rocks of Upper Cretaceous to Eocene age occur in the Poplar Lake area as the Upper Cretaceous Kasalka and the Oligocene to Eocene Ootsa Lake groups. The Eocene to Miocene Endako Lake Group is largely comprised of mafic volcanic rocks, and occurs as plateau basalts within the map area, as well as occupying the downdrop basin of the Ootsa Lake valley.

The Intermontane Belt has been the site of episodic plutonic activity from Late Triassic time onwards. The plutons are grouped according to age, and have varying associated

metal concentrations. The oldest plutons on the map sheets are the feldspar phyric intrusions of the Late Cretaceous Bulkley Plutonic Suite. The Poplar Stock, with its associated haloes of mineralization and alteration has been ascribed to the Bulkley Plutonic Suite. These were succeeded by granodiorite intrusions of the Cretaceous Kasalka Plutonic Suite. The extensive outpourings of continental volcanic rocks in Eocene time have their equivalents in the porphyrytic intrusions of the Eocene Nanika Plutonic Suite. Host rocks at Poplar Lake had been previous assigned to the Telkwa Formation of the Lower Jurassic Hazelton Group. These older rocks are now confined to a NNW trending block which forms highlands of Poplar Mountain.

Structurally, extensional tectonics produced downdrop basins, which are filled with younger rocks of the Kasalka and Skeena Groups. MacIntyre (2007) has reassigned the volcanic rocks around the Poplar deposit to the Cretaceous Kasalka Group. The major faults which defined the fault blocks are generally oriented west-northwest, and northeast. The scarp of one of the NNW trending faults forms the steep western slope of the Poplar Mountain ridge.

The topography of the area has been extensively modified by Quaternary ice sheets of Wisconsinian age. Ice movements in the area were complex, with an apparent reversal in the direction of ice flow (Ferbey and Levson, 2001). At the Huckleberry mine, two dominant ice flow directions have been reported, namely 040-091 degrees and 236-265 degrees. Along the shores of Tahtsa Reach and Ootsa Lake, ice flow was topographically controlled and appears to have flowed parallel to the valleys. At lower elevation, Ferby and Levson (2001b) report that it is common to find WSW and ENE ice flow indicators at opposite ends of the same outcrop. At the onset of glaciation, ice flowed east from the Coast Mountains directed by the major valleys. As glaciation advanced, an ice dome or ice divide formed in central British Columbia during the glacial maximum. Ice flowed west to southwest back over the adjoining peaks of the Coast Mountains.

As glaciation waned, the ice divide shifted to the west, and ice flow once again was to the ENE along the major valleys. These ice flow reversals will have an effect on any surface drift exploration in the region.

The region is exceptionally well mineralized, with a number of producers, past producers and partially developed deposits with drill indicated resources. The area has been and continues to be an important supplier of base and precious metals in the Province of British Columbia. The most important of these operations are the past producing Emerald Glacier Mine, the past producing Silver Queen Mine, and the Huckleberry Mine of Imperial Metals which is in production at the time of preparation of this report.

Exploration in the area has also resulted in the development of a number of deposits with drill-indicated resources. The Poplar Cu Mo Ag Au Deposit (MINFILE 093L 239) is central to the claim group. The Whiting Creek stockwork Mo-Cu deposit (MINFILE 093E 112) is located eight kilometres north of the Huckleberry Mine. The Lucky Ship stockwork molybdenum deposit (MINFILE 093L053) is located 23 km west of the Poplar Property.

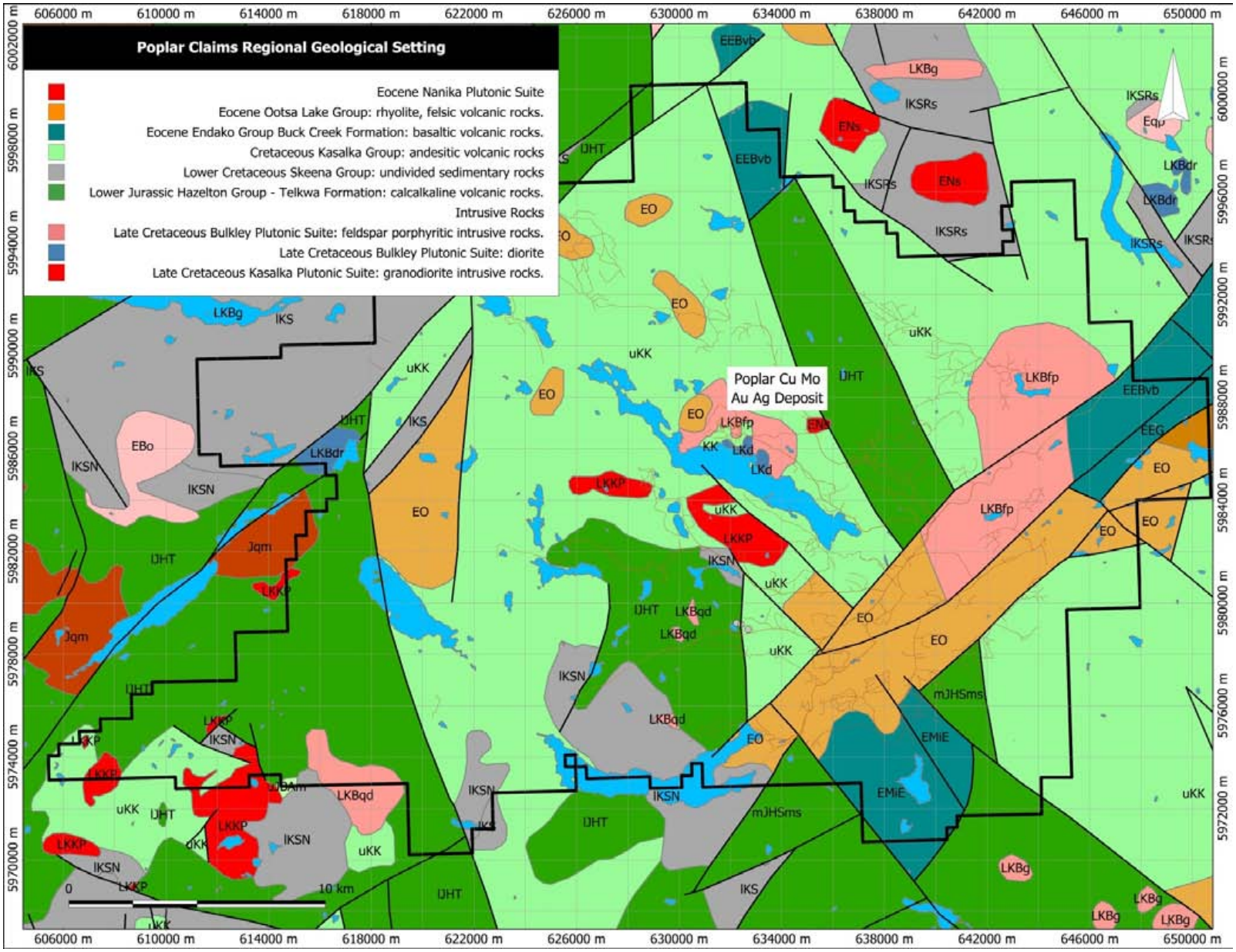

Figure 4. Regional Geological Setting Poplar Deposit. Geology after MacIntyre (2007), Mesard et al (1979) and property files.

8.0 MINERALIZATION

Copper and molybdenum mineralization is present at the Poplar porphyry deposit (Minfile 093L239). A total of 39,647 metres has been drilled in 147 holes since 1974. Poplar has a published mineral resource of 245,855,000 tonnes at 0.27% copper 0.007% Mo grade using a 0.15% copper grade cut off.

China Creek is located to the east of the Poplar deposit and has minor copper and molybdenum mineralization. The area has been partially explored with Induced Polarization geophysical surveying and diamond drilling.

Sulphide mineralization has been identified on the Hill / Lily/Con/Thira Showing (MinFile 093E 097 & 093E 053). Sulphide minerals outcrop in a road cut on the Hill-Tout Forest Service Road approximately 2.7 km southeast of Hill-Tout Lake. The mineralization is on claims optioned from J. Bot and P. Walker. Historic drilling returned copper values of 0.18% over 2metres in the Hill area and 0.18% over 67metres in the Thira area.

Sulphide mineralization has also been identified at Copper Pond (MinFile 093E 071), approximately 1800 metres northeast of the western end of Nadina Lake. Sub-economic concentrations of copper and molybdenum were identified during the course of diamond drilling in 1973 with 0.16% Cu found in a zone with dimensions of approximately120 metres by 275 metres. Approximately 2400 metres of diamond drilling guided by geochemical and induced polarization surveys were completed at Copper Pond. The mineralized zone lies on tenures under option from J. Bot.

9.0 EXPLORATION

9.1 Geochemistry

Between June 8th and July 15th 2011, geochemistry surveys were performed to follow up on targets that were developed based on the 2009 detailed Helicopter-Borne AeroTEM System Electromagnetic & Magnetic survey performed by Aeroquest. A total of 48 rock samples, 448 soil samples, 146 glacial till samples and 103 Ah Horizon samples were

collected during this time period. Rock samples were collected over all of the targets, till samples were collected over the Red Pine, Aspen, Alder, Hemlock and Pimpernel targets. Soil sampling was concentrated over the Copper Pond East Target Ah horizon samples occurred over a portion of the Willow target as well as an orientation line over the main zone of the Poplar deposit. The Ah sampling was done as an experimental method for this program to test it's effectiveness for future programs.

9.1.1 Sampling Method and Approach

Samples on the 2011 program were located using a Garmin Global Positioning System (GPS). The physical sample location was marked with aluminum tags scribed with a uniquely identifying sample number as well as flagging tape. A tag containing this uniquely identifying sample was also placed in the bag with the sample medium and was recorded in notes along with information about the sample. All samples were described with Easting, Northing, Elevation, Sample Type, Color, Type, Date, Sampler and Notes, other information recorded that was specific to the sample type will be outlined below.

Till sampling were used as a reconnaissance method of testing for corresponding mineralization over large geophysics anomalies which were anticipated to be covered by extensive glacial till. Testing was widely spaced with 250m between samples. The larger target at Red Pine had sampling along lines that were 1500m apart, the smaller targets at Aspen, Alder and Hemlock each had two planned sampling lines crossing over the target at right angles with north-south and east-west orientation. All of the lines were not completed due to time constraints. One sample was taken from the Pimpernel target over an Aeroquest conductivity pick. To collect the samples, loose surface materials were removed using a shovel, till was loosened using the pick of an Eastwing rock hammer and a shovel. Once till was reached that was undisturbed by vegetation roots it was loosened then collected with a shovel and placed in a thick plastic rock sample bag. Handheld soil augers were tried for a few of the till samples but cobbles located in the till made this method too difficult to use, and caused many holes to be abandoned and needing to be restarted in a slightly different location.

Additional information recorded for the till samples include: Depth (cm) % Clay, % Silt/Sand, % Cobble and Cobble Shape.

Soil sampling was used over the Copper Pond East target. This geochemical method responded favorably in the past in this area, mineralization in soils and drilling is known in the immediate vicinity from historic programs. Samples were located at 25-50m spacing on lines which were 200m apart. Samples were collected with a shovel by discarding surface material and placing "B horizon" material in kraft sample bags once it was reached. Soil augers were used at some of the soil sampling sites. Additional information recorded for the soil samples include: Depth (cm) Slope Angle, % Course Fragments, Fragment Shape, Vegetation and Organic %.

Rock sampling was performed over all of the targets at irregular spacing when a rock sample of interest was noticed. Samples were collected using an Eastwing rock hammer and placed into plastic ore bags. Additional information recorded for each sample includes, Type, Lithology, Alteration.

Ah Sampling was performed over the Willow target. Bedrock in this area is overlain by glacial outwash sediments which typically don't respond well to traditional geochemistry methods. The line across the Poplar deposit was oriented in a north-south direction and samples were placed every 50 m on the margins of the deposit and at 25m over the deposit. The Willow line was oriented in an east-west orientation and samples were taken every 50m. Due to time constraints, the line was not completed, a 600m gap is present in the central portion of the line and sampling was not completed to the East. For each sample, the upper layer of organics and un-decomposed organic material was pulled aside and the black decomposed material at the mineral soil interface was collected by hand and placed in a paper kraft sample bag. Possibility of contamination was high in this program as crew was not warned of the increased chance of contamination by sunscreen etc, and more care must be taken on future programs. In the future, 100g of Ae material should be collected so soil pH and conductivity can also be measured on each sample.

Additional sample information that was collected includes: horizon, slope angle, % Course fragments, vegetation and organic content.

Standards and blanks were placed in the Rock, Soil, Ah and Till sample sequences and Duplicates were placed with the Soil and Ah samples. QA-QC samples returned values within acceptable ranges for all samples with the exception of the Ah samples.

9.1.2 Sample Preparation, Analysis and Security

Rock and till samples were placed in thick plastic sample bags immediately after collection at their sample sites, a tag with a unique sample number was also placed in the bag. The sample bag was then sealed with a plastic zap strap. This unique number was written on the bag with permanent marker, as well as on an aluminum tag which was left at the sample site and marked with flagging tape. Coordinates and descriptions were linked to this unique sample number. Soil and Ah horizon samples were placed in Kraft paper bags, the above steps were then taken.

Samples were then placed in rice bags depending on their type and numeric sequence, sealed with plastic "zap straps" and taken to Acme Analytical.

The samples were sent to Acme Laboratories in Smithers, BC for sample preparation and then on to Vancouver, BC for assay. Acme Laboratories has achieved an accreditation of ISO 9001:2000. The author is not aware of any relationship between Acme Analytical Laboratories and the issuer.

Upon receipt at Acme Laboratories, rock samples were dried, crushed and pulverized. The pulverized samples were split down to 0.25g and treated to a 4-Acid digestion by being heated in HNO3-HClO4-HF to fuming and taken to dryness. The residue was dissolved in HCl and solutions were then analyzed by ICP-MS for 41 elements including Cu, Mo & Ag to low detection limits. Gold analyses were performed with a Fire Assay of a 30g split with a 0.005g/t detection limit.

After delivery to the Acme Laboratories, soil samples were dried at 60 degrees Celsius, 100g was sieved to -80 mesh. Analysis consisted of a Hot Aqua Regia digestion on a 15g split with 53 element ICP-Mass Spec analyses. Lower detection limits include 0.01 ppm for Mo, 0.01 ppm for Cu, 2 ppb for Ag and 0.2ppb for Au.

The till samples submitted to Acme were prepared by the CLSP process where the sample is saturated and particles are separated out by using gravity/density. DI water is added to a 500g sample and is rolled on a roller table for 1 hour. Once the sample is fully saturated, it is allowed to stand for five minutes to allow larger particles to settle. The liquid portion is then decanted into roughing bottles for two sets of centrifuging: the first centrifuge separates all the particles larger than clay fraction, the solution is decanted into a second roughing bottle which is then centrifuged to force the clay particles out of solution. The clay fraction is then dried; hand pulverized and sent for analysis. Analysis consisted of Ultra trace by ICP-Mass Spec analysis of 53 elements on a 0.5g sample after Aqua Regia digestion for low to ultra low determination on lean samples. Detection limits include 0.2 ppb Au, 2 ppb Ag, 0.01 ppm Cu and 0.01 ppm Mo.

After delivery to the Acme Laboratories, Ah horizon samples were dried at 60 degrees Celsius, 100g was sieved to -80 mesh. Analysis consisted of a Hot Aqua Regia digestion on a 15g split with 53 element ICP-Mass Spec analyses. Lower detection limits include 0.01 ppm for Mo, 0.01 ppm for Cu, 2 ppb for Ag and 0.2ppb for Au. A sodium pyrophosphate leach for elements adsorbed by organic matter (humic and fulvic compounds) was also performed on the Ah horizon samples.

Acme provides a comprehensive in-house quality control using numerous blanks standards and pulp duplicates to test for any potential contamination.

9.2 Personnel

The following personnel were involved in the LGM 2011 Poplar Program.

Lorie Farrell	Exploration Manager
Andrea Ross	Geologist
Chelsea Knight	Geologist
Ian Michell	Sampler
Jerry William	Sampler
Amanda Clayton	Sampler
Ben Alles	Sampler
LowProfile Exploration	Project Supervision, Sampling Crew & Gear Including Garry Thompson, Gilbert Wilson, Brenna Boyle.

10.0 INTERPRETATIONS AND CONCLUSIONS

Using the range of values that was used in Ferby (2010) for the till sample results, anomalous areas of Copper have been outlined in the Red Pine, Alder and Aspen targets. Anomalous Silver, Lead and Zinc zones have been outlined on Red Pine, Alder, Aspen and Hemlock and anomalous areas of Molybdenum are present at Red Pine, Aspen and Hemlock. Ice direction must be taken into account when interpreting results, the longer anomaly in Red Pine is parallel to the expected (SW-NE) ice direction in this area. A test pit was taken over the Poplar deposit and results returned from this pit were twice the amount of regional samples.

Soil sampling in the Copper Pond area shows three areas of anomalous (>100 ppm) copper mineralization, strong (>2g/t) anomalous silver mineralization correlates with the locations of Aeroquest conductivity picks and loosely correlates with one of the copper anomalies which includes the highest copper assay.

Anomalous Rock samples were insignificant but elevated results corresponded with the locations of anomalous Till and Soil samples.

The Ah sample test line over the Poplar deposit appears to have mapped the grade shells of the deposit but also shows considerable noise outside of the known area of mineralization and did not return the hoped for rabbit-ear responses over the margins of

the deposit. The Main Zone of the deposit generally only has a few meters of overburden with mineralization starting at surface so this isn't an ideal location for an orientation line that is going to be testing for buried mineralization. There is a concentration of elevated samples located in the centre of the Willow line, but results are inconclusive as considerable noise is present and it's uncertain the anomaly is due to mineralization or random background noise.

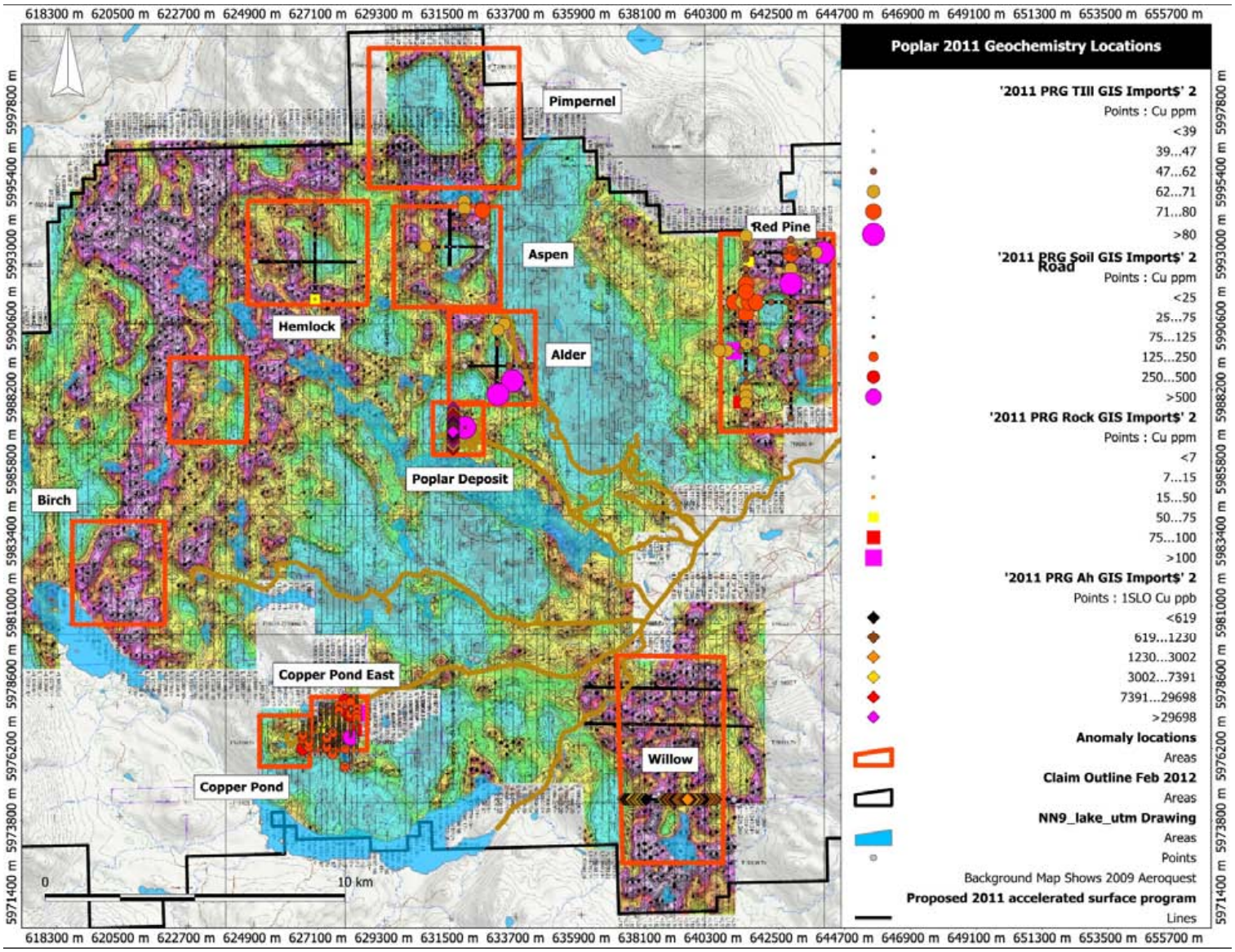

Figure 5. Priority Targets on the Poplar Property showing 2011 Sample Locations and Copper Results over the 2009 Aeroquest Airborne survey showing Z1_Off Time.

11.0 RECOMMENDATIONS

11.1 Proposed Work Programs

11.1.1 Geological Mapping and Ground Program

Based on success of the 2011 geochemistry program, widely spaced till samples appears to offer an adequate balance of time and results for preliminary ground truthing of mineralization and should be continued on targets that were not completed in 2011. However, the spacing is far enough that targets cannot be written off due to a lack of mineralization. Additional till samples are required to infill anomalous areas at tighter sample spacing and grids should be expanded to cover mineralization that is open to help provide guidance for targeting diamond drilling. Geological mapping should also be performed where possible based on bedrock exposure. The Copper Pond East grid should be expanded to cover open anomalies that are covered by Lions Gate Metals claims. Additional surveys over Willow are warranted, test surveys, including an orientation survey over the East Zone of the Poplar Deposit should be performed and should use a variety of analytical techniques to see which method responds best to this area.

Approximately 100 field days are proposed to collect data for plotting. Provision should be made for analysis of samples collected during the course of mapping. Further development of the targets generated during the course of follow up may be expected, but the scope of the program and the attendant costs will be addressed in view of the degree of exploration success.

11.1.2 Drill Program

The airborne survey over the Bell mine shows anomaly symbols classified using calculated off-time conductance, if these higher priority anomaly symbols were drilled, a considerable number would intercept ore grade mineralization. Similar anomalies are marked on the Poplar maps over the higher priority anomalous areas. If mineralization on the specific target areas is confirmed by the ground surveys these anomalous points can be drill ready targets.

11.1.3 Advanced Geophysics Processing

Target areas that have been pulled out of the Aeroquest survey are relatively obvious targets. Additional targets may be present and were not noticed in this initial review. These may be pulled out by having the data further analyzed and inverted by a specialized geophysics company.

Table 2. Poplar Lake Proposed Geochemistry & Mapping Budget

Task			**Cost Per Unit**	**Cost $CDN**
Target generation				
Follow up airborne				
Geological Mapping	1 persons	100 days	$550/day	$ 55,000
Sampling	5 persons	100 days	$200-400/day	$ 150,000
Analytical		2500 samples	$38	$ 95,000
Support				$ 120,000
Subtotal				$ 420,000
Contingency				$ 84,000
Total Follow up				**$ 504,000**

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Appendix 1: Statement of Qualifications

Lorie Gayle Poulton Farrell B.Sc. Geology
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Tel 250-847-2662

Email lorie_poulton@hotmail.com

I, Lorie Farrell, of Smithers, British Columbia, do hereby certify that:

1. I am a self-employed geologist and a co-owner of:
   Farrell Exploration Services Inc.
   4547 Whistler Road
   Smithers, B.C. V0J 24
2. I graduated with a Bachelor of Science Degree in Geology from the University of Saskatchewan in Saskatoon, Saskatchewan in 2002.
3. I have worked as an exploration geologist for over ten years since graduating. My relevant experience includes project management, mapping, prospecting, core logging and overseeing diamond drill programs.
4. I planned and supervised the 2011 Geochemistry Program on the Poplar Project.

Dated this 14th day of February, 2012, Smithers BC

Lorie Farrell, B.Sc.

Appendix 2: Statement of Expenditures

2011 Poplar Regional Geochemical & Mapping Program

Wages and Fees:

Wages, Exploration Manager	8 days @ $550/day	June 8th to July 14th	$4,400
Wages Geologist	3 days @ $450/day	June 8th to June 12th	$1,350
Wages Geologist	38 days @ $285/day	June 8th to July 15th	$10,830
Wages, Sampler 1	19 days @ $220/day	June 19th to July 10th	$4,180
Wages, Field Assistant 2	21 days @ $220/day	June 20th to July 15th	$4,620
Wages, Field Assistant 3	23 days @ $220/day	June 21st to July 15th	$5,060
Wages, Field Assistant 4	17 days @ $200/day	June 27th to July 15th	$3,400
Wages, Field Assistant 5	16 days @ $200/day	June 28th to July 15th	$3,200

LowProfile Exploration –Supervision, Staff & Gear June 13th to July 15th $23,492

Other Expenses:

Helicopter	June 17th to June 30th	$16,125.09
Frontier Truck Rentals: 95 @ $67/day	June 8th to July 15th	$6,365.00
Truck Fuel		$1,281.95
Accommodations	June 8th to July 15th	
Sandman	June 8th to June 14th	$642.60
Pleasant Valley Motel	June 15th to July 4th	$4,680.38
Nadina Lake Lodge- food & lodging	July 4th to July 15th	$7,350.57
Food:	June 8th to July 15th	
B & M Ventures	June 19th to July 4th	$1,817.44
Food Purchased by crew	June 8th to July 15th	$513.61
Field Supplies & Safety Gear		$6,313.07
Rental radios 221 days @ $1.33/day	June 8th to July 15th	$293.93
Satellite Phones 54 days @ $6.70/day	June 8th to July 15th	$361.80
Acme Costs:		
Rock Assaying: 48 samples @ $35.58/sample:		$1,707.82
Soil Assaying: 448 Samples @ $26.30/sample:		$11,782.36
Till Assaying: 146 Samples @ $31.55/sample:		$4,605.72
Ah Sampling: 103 Samples @ $43.31/sample:		$4,461.07
Planning, Compiling, Supervision and Writing	May 30th 2011 to Feb 28th 2012	$22,803.69

15% Office Overhead $22,803.69

Total Expenses **$174,828.30**

Appendix 3: 2011 Poplar Till Sample Descriptions and Assays

Sample Number	Easting	Northing	Elevation m	Depth cm	Colour	% Clay	% Silt / Sand	% Cobble	Cobble Shape	Date	Sampler
SRP095360	641446	5989711									
TA095369	627000	5991250	920m	75.5	light brn	80	10	10	sub rnd-sub ang	29-Jun-11	AC/JAG/BA
TA095370	627001	5991511	986m	80	drk brn	5	85	10	sub rnd-sub ang	29-Jun-11	AC/JAG/BA
TA095371	627000	5991743	985m	82	Brn- light brn	75	10	15	sub-rnd	30-Jun-11	AC/JAG/BA
TA095901	625001	5992800	954m	75	brn-grey	75	15	10	sub rnd-sub ang	02-Jul-11	IM/JW
TA095902	625251	5992803	972m	75	brn-grey	80	10	10	sub rnd-sub ang	02-Jul-11	IM/JW
TA095903	625500	5992797	980m	78	brn-grey	25	70	5	sub rnd	02-Jul-11	IM/JW
TA095904	625801	5992775	975m	75	brn-grey	65	15	20	sub rnd -sub ang	02-Jul-11	IM/JW
TA095905	626016	5992801	978m	75	brown grey	60	20	20	sub rnd-sub ang	30-Jun-11	AC/IM/JW
TA095906	627007	5993750	1052m	78	brown grey	5	85	10	sub ang	30-Jun-11	IM/AC/JW
TA095907	627000	5993541	1059m	82	brown	10	60	30	sub ang	30-Jun-11	JW/AC/IM
TA095908	626996	5993217	1113m	50	brown	70	10	20	sub ang	30-Jun-11	AC/JW/IM
TA095910	630245	5993001	1110m	80	brn	30	10	60	sub ang	02-Jul-11	AC/JAG/IM
TA095911	630495	5992989	1061m	75	brn -grey brn	70	5	25	sub rnd	02-Jul-11	AG/AC/IM
TA095912	630705	5992998	1066m	75	grey-rusty	75	5	20	sub ang	02-Jul-11	AC/JAG/IM
TA095913	631007	5992996	1082m	76	brn grey	30	20	50	sub rnd	02-Jul-11	IM/AC/AG
TA095914	631510	5993003	1197m	76	grey-brn	60	20	20	sub rnd	02-Jul-11	IM/AC/AG
TA095915	631762	5992984	1174m	75	light brn-grey	50	30	20	sub rnd	02-Jul-11	AC/JAG/IM
TA095916	631990	5994498	988m	80	light brn-grey	20	65	15	sub rnd	03-Jul-11	AC/BA/AG/IM
TA095917	631998	5994255	1002m	75	brn grey	50	30	20	sub rnd	03-Jul-11	AC/BA/IM/JAG
TA095918	631999	5994001	1011m	76	grey brn	65	20	15	sub rnd	03-Jul-11	AG/BA/AC/IM

Sample Number	Easting	Northing	Elevation m	Depth cm	Colour	% Clay	% Silt / Sand	% Cobble	Cobble Shape	Date	Sampler
TA095919	631999	5993748	1016m	75	greyish dark brn	60	25	15	sub ang	03-Jul-11	AG/BA/AC/IM
TA095920	631962	5993457	1047m	75	light brn-grey	20	55	25	sub rnd	03-Jul-11	AG/BA/AC/IM
TA095921	634250	5989000	1115	75	GryBrn	30	45	25	SA	11-Jul-11	BB-IM-JW
TA095922	633999	5989006	1071	75	GryBrn	65	10	25	SA-SR	11-Jul-11	BB-IM-JW
TA095923	633748	5989006	1051	75	grey	60	20	20	SA-SR	11-Jul-11	BB-IM-JW
TA095924	633494	5988996	1075	75	GryBrn	50	20	30	SA-SR	12-Jul-11	BB-IM-JW
TA095925	633600	5988500	1003	75	GryBrn	65	5	30	SA-SR	12-Jul-11	BB-IM-JW
TA932831	626997	5994502	1008m	75	med. Red brn	45	15	30	ang-sub ang	29-Jun-11	BB/GW/CK
TA932832	626999	5994217	1016m	82	med. Red. Brn. Grey	75	5	20	ang-sub rnd	29-Jun-11	BB/GW/CK
TA932833	627000	5993991	1032m	75	rusty red - pinkish brn	75	5	20	ang-sub rnd	29-Jun-11	BB/GW/CK
TA932834	628507	5992800	1126m	75	med grey brn	60	15	25	sub rnd-sub ang	02-Jul-11	BA/JW/CK
TA932835	631598	5995498	1014m	75	med brown grey	60	20	20	sub rnd-sub ang	02-Jul-11	BA/JW/CK
TA932836	632485	5994396	1000m	75	med brown grey	40	15	45	sub rnd-sub ang	03-Jul-11	GW/JW/CK
TA932837	632600	5994204	1032	75	med brown grey	35	20	45	sub rnd-sub ang	03-Jul-11	GW/JW/CK
TA932838	632599	5993820	1076	75	med grey brn	60	10	30	sub rnd-ang	03-Jul-11	CK/GW/JW
TA932839	633099	5988537	1011	75	med grey brn	60	10	30	SR/SA	11-Jul-11	CK/AC/BA
TA932840	633120	5988234	977	73	med grey brn	40	25	35	SR/SA	11-Jul-11	CK/AC/BA
TA932841	633114	5988045	975	75	med grey brn	60	10	30	SA	11-Jul-11	CK/AC/BA
TA932842	633327	5990402	1090	75	med grey brn	60	20	20	SA/SR	12-Jul-11	CK/AC/BA
TA932843	633108	5990185	1093	75	med grey brn	60	10	30	SA/SR	12-Jul-11	CK/AC/BA

Sample Number	Easting	Northing	Elevation m	Depth cm	Colour	% Clay	% Silt / Sand	% Cobble	Cobble Shape	Date	Sampler
TA932844	633107	5989990	1115	71	med grey brn	35	15	50	SA	12-Jul-11	CK/AC/BA
TA932845	633105	5989750	1105	79	med grey brn	55	20	25	SA/SR	12-Jul-11	CK/AC/BA
TP932847	632017	5986941	941	75	RstyRdBrn	55	30	15	SA-SR	14-Jul-11	CK-AC
TP932848	632017	5986941	941	55	RstyRdBrn	55	30	15	SA-SR	14-Jul-11	CK-AC
TP932849	632017	5986941	941	45	RstyRdBrn	45	40	15	SA-SR	14-Jul-11	CK-AC
TRP095351	641419	5989747	989	30	Med greybrn	75	10	15	SA-SR	16-Jun-11	CK
TRP095352	641419	5989747	989	50	Med greybrn	70	5	25	SR	16-Jun-11	CK
TRP095353	641419	5989747	989	70	Med greybrn	72	3	25	R	16-Jun-11	CK
TRP095354	641419	5989747	989	90	Med greybrn	77	3	20	R	16-Jun-11	CK
TRP095355	641419	5989747	989	115	Med greybrn	72	3	25	SR	16-Jun-11	CK
TRP095356	641446	5989711	987	15	BRN	60	25	15	SR-SA	16-Jun-11	CK
TRP095357	641446	5989711	987	35	BRN	70	15	15	SR-SA	16-Jun-11	CK
TRP095358	641446	5989711	987	50	BRN	55	20	25	SR-SA	16-Jun-11	CK
TRP095361	641534	5992809								27-Jun-11	IM/AC/AG
TRP095362	641785	5992831								27-Jun-11	IM/AC/AG
TRP095363	641990	5992815								27-Jun-11	IM/AC/AG
TRP095364	642717	5992848								27-Jun-11	IM/AC/AG
TRP095365	642502	5991152								28-Jun-11	BB/BA/GW
TRP095366	642750	5991153								28-Jun-11	BB/BA/GW
TRP095367	643000	5991151								28-Jun-11	BB/BA/GW
TRP095368	643247	5991160								30-Jun-11	BB/GW/JAG
TRP095372	642905	5992253								30-Jun-11	BB/GW/JAG
TRP095373	642899	5992005								30-Jun-11	BB/GW/JAG
TRP095374	642902	5991771								30-Jun-11	BB/GW/JAG
TRP932801	641398	5989498	1031m	57	med.B	65	10	25	variable (4-13cm)	10-Jun-11	CK/AR
TRP932802	641411	5989756	997m	69	med brown grey	55	25	20	sub round(3-14cm)	10-Jun-11	CK/AR
TRP932803	641401	5990004	985m	40	med brown	65	5	30	sub round(2-	10-Jun-11	CK/AR

Sample Number	Easting	Northing	Elevation m	Depth cm	Colour	% Clay	% Silt / Sand	% Cobble	Cobble Shape	Date	Sampler
									24cm)		
TRP932804	641394	5990246	1022m	58	med grey brown	35	25	40	sub round	10-Jun-11	CK/AR
TRP932805	641400	5990501	982m	50	med brown grey	40	20	40	round	11-Jun-11	CK/LF
TRP932806	641402	5990755	983m	85	med brown	50	30	20	sub round sub ang(3-6cm)	11-Jun-11	CK/LF
TRP932807	641396	5991016	953m	55	med grey brown	50	35	15	round sub round(3-10cm)	12-Jun-11	CK/AR
TRP932808	641399	5991245	948m	60	med brown	40	30	30	round-sub round(3-40cm)	12-Jun-11	CK/AR
TRP932809	641389	5989260	1016m	40	med grey brown	55	25	20	sub round sub ang	15-Jun-11	CK/GT
TRP932810	641403	5988992	1016m	35	rusty brown	60	35	5	sub round sub ang	15-Jun-11	CK/GT
TRP932811	641400	5988733	985m	40	med grey brown	65	10	25	sub round sub ang	15-Jun-11	CK/GT
TRP932812	641404	5988249	1003m	77	med grey brown	66	4	30	sub round sub ang	17-Jun-11	BB/GT
TRP932813	641418	5988470	984m	75	med grey brown	45	20	35	sub round sub ang	17-Jun-11	BB/GT/CK
TRP932815	641999	5991149	979m	75	med grey brown	30	30	40	sub round sub ang	22-Jun-11	CK/IM/AC
TRP932816	642244	5991149	994m	76	med grey brown	65	10	25	round sub round(3-10cm)	22-Jun-11	IM/CK/AC
TRP932817	641404	5988003	997m	75	med grey brown	75	10	15	sub ang-sub rnd	23-Jun-11	IM/CK/AC
TRP932818	641402	5987749	1000m	60	med brown grey	80	5	15	sub round sub ang	23-Jun-11	IM/CK/AC
TRP932819	641393	5987503	981m	80	med brown grey	80	5	15	sub round sub ang	23-Jun-11	CK/IM/AC

Sample Number	Easting	Northing	Elevation m	Depth cm	Colour	% Clay	% Silt / Sand	% Cobble	Cobble Shape	Date	Sampler
TRP932820	641377	5987223	973m	60	med grey brown	75	10	15	sub round sub ang	23-Jun-11	CK/IM/AC
TRP932822	642905	5993249	1101 m	75	med. Gry brn	65	20	15	sub rnd - sub ang	26-Jun-11	CK/BB/GW
TRP932823	642902	5992911	1044 m							26-Jun-11	CK/BB/GW
TRP932824	642907	5992753	1008 m							26-Jun-11	CK/BB/GW
TRP932825	644004	5992799	1008 m							27-Jun-11	CK/BB/GW
TRP932826	643742	5992807	1018 m							27-Jun-11	CK/BB/GW
TRP932827	643488	5992782	1029 m							27-Jun-11	CK/BB/GW
TRP932828	643240	5992805	1024 m							27-Jun-11	CK/BB/GW
TRP932829	643012	5992803	1016 m							27-Jun-11	CK/BB/GW
TRP932851	642898	5989255	941 m	75	med. Gy brn	70	20	10	rnd	13-Jun-11	GT
TRP932852	642890	5989350	941 m	75	med. Brn	75	10	15	rnd - sub. Ang	13-Jun-11	GT
TRP932853	642899	5989517	946 m	75	med. Reddish brn	94	5	1	sub-rnd	13-Jun-11	GT
TRP932854	642895	5989807	980 m	40	r-brn	45	47	8	sub-ang	13-Jun-11	GT
TRP932855	642904	5990010	971 m	90	Lt. gy	65	20	15	sub-rnd	13-Jun-11	GT
TRP932856	642912	5990253	973 m	80	Rusty Brn - Brown	60	20	20	sub rnd	13-Jun-11	GT
TRP932857	642898	5990511	969 m	80	reddish-brown	70	15	15	sub rnd	13-Jun-11	GT
TRP932858	642899	5990761	956 m	80	Lt.brn	55	40	5	sub rnd	13-Jun-11	GT
TRP932859	642902	5990988	953 m	100	Lt. brn	65	25	10	sub rnd	13-Jun-11	GT
TRP932861	642914	5988990	910 m	75	med. Brn - rusty brn	70	20	10	rnd	14-Jun-11	BB
TRP932862	642916	5988756	912 m	64	med. Rusty brn	65	25	10	sub rnd - sub ang	14-Jun-11	BB
TRP932863	642899	5988497	915 m	60-65	med. Rusty brn	65	20	15	sub rnd	14-Jun-11	BB
TRP932864	642899	5988235	914 m	80	med. Brn	55	35	10	sub rnd	14-Jun-11	BB
TRP932865	642899	5988004	937 m	60	med. Gy brn	55	25	20	sub rnd - sub	14-Jun-11	CK

Sample Number	Easting	Northing	Elevation m	Depth cm	Colour	% Clay	% Silt / Sand	% Cobble	Cobble Shape	Date	Sampler
									ang		
TRP932866	642898	5987746	965 m	70	med. Gy brn	75	20	5	sub rnd	14-Jun-11	CK
TRP932867	642891	5987498	987 m	80	med. Brn	70	10	20	sub rnd-sub ang	14-Jun-11	BB
TRP932868	642895	5987262	1008 m	60	med. Gy brn	75	15	10	sub rnd - sub ang	14-Jun-11	CK
TRP932869	643982	5989498	967 m	82	med. Gy brn	45	30	35	sub rnd - sub ang	19-Jun-11	BB/GW/CK
TRP932870	643737	5989491	955 m	80	med. Brn-gy	40	35	25	sub rnd-sub ang	19-Jun-11	BB/GW/CK
TRP932871	643495	5989490	939 m	75	med. Gy brn	50	20	30	sub rnd-sub ang	19-Jun-11	BB/GW/CK
TRP932872	643248	5989507	941 m	77	med. Brn	45	20	35	sub ang-sub rnd	20-Jun-11	BB/AG/GW/CK
TRP932873	642998	5989532	939 m	75	med. Gy brn	45	20	35	sub ang-sub rnd	20-Jun-11	
Trp932874	642747	5989517	949 m	80	med. Rusty red-brn	70	10	20	sub rnd	20-Jun-11	BB/AG/GW/CK
TRP932875	642505	5989503	972 m	75	med. Gy brn	40	20	40	sub rnd-sub ang	20-Jun-11	BB/CK/GW/JAG
Trp932876	642239	5989487	990 m	75	med. Gy brn	40	25	35	sub rnd-sub ang	20-Jun-11	BB/CK/GW/JAG
TRP932877	641995	5989516	1003 m	77	med. Gy brn	50	15	35	sub rnd	20-Jun-11	BB/JAG/GW/CK
TRP932879	641750	5989492	993 m	75	med. Gy brn	55	30	15	rnd-sub rnd	21-Jun-11	BB/CK/GW
TRP932880	641503	5989500	1013 m	75	med. Gy brn	55	20	25	rnd-sub rnd	21-Jun-11	BB/CK/GW
TRP932881	641240	5989502	1051 m	75	med. Gy brn	60	15	25	sub rnd-sub ang	21-Jun-11	CK/GW/BB
TRP932882	641000	5989494	1060 m	77	med. Gy brn	70	10	20	sub rnd-sub ang	21-Jun-11	CK/GW/BB
TRP932883	640759	5989499	1049 m	75	med. Gy brn	60	20	20	rnd-sub rnd	21-Jun-11	CK/BB/GW
TRP932885	640508	5989510	1047 m	75	med. Gy brn	65	10	25	rnd-sub rnd	21-Jun-11	CK/GW/BB
TRP932886	641006	5991149	938 m	120	med. Gy brn	50	20	30	sub rnd-sub ang	22-Jun-11	BB/GW/JAG

Sample Number	Easting	Northing	Elevation m	Depth cm	Colour	% Clay	% Silt / Sand	% Cobble	Cobble Shape	Date	Sampler
Trp932887	641266	5991156	940 m	75	med. Gy brn	50	15	35	sub rnd-sub ang	22-Jun-11	JAG/GW/BB
TRP932888	641506	5991148	947 m	75	med. Gy brn	5	60	35	sub ang-sub rnd	22-Jun-11	BB/GW/JAG
TRP932889	641746	5991142	954 m	75	med. Brn	60	15	25	sub rnd	22-Jun-11	BB/GW/JAG
TRP932890	641390	5993590	1168 m	80	med. Brn gy	55	15	30	sub rnd	23-Jun-11	BB/GW/JAG
TRP932891	641399	5993353	1151 m	80	med. Gy brn	40	35	25	sub rnd-sub ang	23-Jun-11	BB/GW/JAG
TRP932892	641400	5993096	1105 m	80	med. Gy brn	55	25	20	sub rnd-sub ang	23-Jun-11	BB/GW/JAG
TRP932893	641406	5992854	1067 m	80	gy brn	50	15	35	sub rnd-sub ang	23-Jun-11	BB/GW/JAG
TRP932894	641404	5992590	1064 m	75	med. Gy brn	60	15	25		23-Jun-11	BB/GW/JAG
TRP932896	641398	5992502								26/06/2011	AC/JAG/IM
TRP932897	641395	5992259								26/06/2011	AC/JAG/IM
TRP932898	641397	5992001								26/06/2011	AC/JAG/IM
TRP932899	641403	5991746								26/06/2011	AC/JAG/IM
TRP932900	641402	5991497								26/06/2011	AC/JAG/IM

Sample Number	Notes
SRP095360	Till Profile Site ? Soil sample
TA095369	rusty lenses taking rock sample back from hole
TA095370	reforested burn area. 20m off road minor rusty lenses 3(RS) from pit
TA095371	minor rusty lenses
TA095901	rusty lenses, old burn/ reforested
TA095902	rusty lenses, old burn reforested
TA095903	rusty lenses, sandy, hard pan
TA095904	brown sand; boggy area.
TA095905	reforested off an old skid trail
TA095906	rusty lenses reforested
TA095907	reforested, moved from line due to old landing site
TA095908	offline to find flatter spot to dig hit bedrock
TA095910	site in clear cut
TA095911	50m off road
TA095912	abnt rusty lense. Off line 50m due to pond. Hard pan clay
TA095913	windfall slope
TA095914	burn sign A layer 35degree slope
TA095915	burn layer; rusty lenses
TA095916	20m off clearing, 50m off lake, minor rusty lenses
TA095917	in clear cut
TA095918	in cut block
TA095919	in cut block
TA095920	in cut block
TA095921	Old burn area, heavy vegetation
TA095922	Clay rich at 45, water table at 75
TA095923	thick vegetation, reforested previous burn area. Moved spot due to early water table. Very cobble rich B horizon
TA095924	On side of hill, lots of vegetaton
TA095925	At Pik 212, AKA Pik500, adjacent to bog, clay rich from 30 cm down. Minor rusted lenses

Sample Number	Notes
TA932831	reforested area, potentially disturbed @depth; very rocky subcrop nearb, may explain ang form of cobbles have oxidized rinds/films; mod rusted lenses
TA932832	reforested area moved further down line due to early H20 table @ 250 very very small B horiz & moderate A horiz; hard pan clay entire hole V. abnt rusty red lenses, causes dirty to have rust red color
TA932833	reforested area; hard pan clay after 50cm; minor orange lenses
TA932834	very hard pan clay/ med greybrown, mod abund rusted lenses large boulder at botton of hole. Freshly clearcut area
TA932835	in primary forest next to clear cut; location of conductor 302
TA932836	in clearcut, large o horizon, water table @ base; very abnt cobbles; hardpan clay @ bottom, maybe glacial outwash
TA932837	primary forest adjacent to clearcut may be glacial outwash, v. abnt gravel & pebbles mod cobbles hit water table @ 75cm
TA932838	primary forest adjacent to fresh clearcut; deeper B horizon than typical.
TA932839	primary forest on edge of reforested burn area off line due to high water table @ true sampling sight. Few rusty lenses, dense vegetation in area (low lying)
TA932840	Primary forest, watewr table @ 71 rare rusty gravel, might be outwash
TA932841	Primary forest, very dense vegetation, blow down and snags, off line due to boggy areas on true sampling sight, abndt rusty lenses
TA932842	Sample off line due to bear, deep B horizon, old burn area, reforested, some rusty lenses
TA932843	Primary forest, 70m south of true sample site due to large boggy area. Deep B horizon 30-40cm
TA932844	Primary forest, very abndt ang cobbles @ top of hole, then hard panclay, till, B horizon, abnt ang cobbles often oxidised to rusty orange color
TA932845	primary forest, 10 m off of till sampling sight. Erusty red lenses (large @ base of hole)
TP932847	Poplar Profile Primary forest 20-30cm A horizon
TP932848	Poplar Profile Primary Forest DF
TP932849	Poplar Profile Primary forest, B till interface
TRP095351	RP Till Profiling, Localised rusty lenses, still some tree roots
TRP095352	RP Till Profiling, V Hard clay rich, few rusty red lenses, pods
TRP095353	RP Till Profiling, VV hard, mod rust brown lenses, clay rich
TRP095354	RP Till Profiling, VV hard, mod rust brown lenses, clay rich
TRP095355	RP Till Profiling, VV hard, mod red brn lenses, light brn grey clay lenses
TRP095356	RP Till Profiling, site B, Just below OA zone
TRP095357	RP Till Profiling, site B
TRP095358	RP Till Profiling, site B, very rocky hard pan clay, hard to dig out

Sample Number	Notes
TRP095361	
TRP095362	
TRP095363	
TRP095364	
TRP095365	
TRP095366	
TRP095367	
TRP095368	
TRP095372	
TRP095373	
TRP095374	
TRP932801	sub round felsic to mafic cobbles;smaller 5cm,altered round felsic gravel;5 m from sample site,volcanic subcrops at 35cm depth,week iron stain at bottom of hole
TRP932802	greater sand silt clay at top of the hole.this hole and previous hole ended in brown stained hard pan clay.wet above clay
TRP932803	deeper A zone to other holes (27cm)..shallow hole due to adjacent bog,litho predominently volcanic and tuff
TRP932804	very wet
TRP932805	variable litho felsic mafic.intrusive and extrusive ig,water table at 50cm coniferous forest
TRP932806	3m accuracy cobbles generally 3-6cm CF subcrop near by locallized grey areas
TRP932807	70cm A horizon litho dominantly mafic volcanics minor crystal tuff(Bowser lake grp?maroon),minor felsic intrusive with m.g.atz phenos,minor sulphides
TRP932808	litho dominantly int-mafic volcanoclastic?green similar to CK3 outcrop.Some hypabyssal int-mafic int?same composition as volc
TRP932809	
TRP932810	
TRP932811	large bog north of site,sample colected 15m to south
TRP932812	off road approx 8m.cobbles-12x15cm hard pan clay at bottom
TRP932813	location of grid because true location at lake pond edge;volcanoclastic,volcanics 1 plutonic altered with qtz and oxidized mineral FE oxide/sulphide?
TRP932815	smaller than typicall B horizon very rocky.did not hit hard pan clay at bottom of hole
TRP932816	12cm deep A zone 8 cm deep B zone
TRP932817	Reforested area,tp prtion likely disturbed,Hard pan clay at bottom

Sample Number	Notes
TRP932818	rusty lenses,med grey brown lenses V.abnt.hard pan clay for 15cm before sample collection.ang cobbles at bottom of hole,may be approaching bedrock..sample collected at shallower depth
TRP932819	12m on slope from stream 10m V.upwards
TRP932820	shallow depth because hit water table.off line due to adjacent cat trail.
TRP932822	undisturbed forest; minor rusty lenses
TRP932823	
TRP932824	
TRP932825	
TRP932826	
TRP932827	
TRP932828	
TRP932829	
TRP932851	Augered hole
TRP932852	
TRP932853	minor organics
TRP932854	sample collected from two sites at same depth
TRP932855	
TRP932856	rusted brown color at top grading to medium brown down hole, volcanic cobble
TRP932857	
TRP932858	rocky at 80cm
TRP932859	
TRP932861	rusty brown lenses
TRP932862	
TRP932863	two sites (two depths)
TRP932864	15m s. of line due to boggy site, may have minor amount of A horizon in sample
TRP932865	rocky towards bottom of hole. Approaching water table, adjacent to decidous clearing.
TRP932866	
TRP932867	rusted lenses/pebbles, very clay rich
TRP932868	some cobbles are rusted. Very rocky at base of hole.

Sample Number	Notes
TRP932869	light grey clay lenses, variable cobble litho; predominantly intermediate to matic volcanics and plutonics some with vf.g. py; one coble red. Xl tuff; some with mn staining. Rusty lenses/pools at bottom of hole
TRP932870	thicker B Horiz than other pits (rusty brn B Horis). Some cobbles intensly oxidized just below B Horiz. Variable Cobble lithogy traces of MN. Reforested area. Rocky bottom, approaching bedrock
TRP932871	bog adjecent, Old burn site. Potentially disturbed at top? Variable cobble litho, dominantly igneous plutonic + volcanic; mafic to felsic, few volcanoclastic mod abnt rusty brown lenses/pods; reforested area.
TRP932872	reforested area, top 40cm potentially disturbed; abnt rusty lenses.
TRP932873	40m off line due to adj bog, reforested area, hole next to stump, variable cobble litho, abun rusty lenses.
Trp932874	20m off line due to bog, deeper B horizon; variable igneous cobbles, vlc's+ plc's, intermediate to mafic, dom same litho as CK17 outcrop. Abnt rusty lenses. Reforested area, appears very disturbed at top of hole
TRP932875	Reforested area, mod abnt rusty lenses. Variable cobble litho int-mafic IG. 1 mafic cobble w/ abnt pyrite.
Trp932876	variable cobble litho intermediate to mafic vlc's + plc's; one oxidized cobble, mod abnt rusty lenses/ pods; hard pan clay.
TRP932877	variable ig cobbles; intermediate to felsic; plc+ vlc; few wit PR alt; minor rust lenses.
TRP932879	variable mafic to felsic IG CXS
TRP932880	predominantly intermediate plc; minor volcaniclastics; dry hole, no water table.
TRP932881	very hard pan clay from below B horizon to bottom of hole. Regenerated forest. Variable Lg. Cobbles, hole dry to bottom,very rocky, may be approaching bedrock dry hole no water table.
TRP932882	minor rusty lenses; variable Lg. Cobbles. 1 intermediate f.g. n/c cobble with abnt py. And trace bornite.
TRP932883	minor rusty lenses; cobbles dominantly various igrxs & volcaniclastics; 1 mafic cobble with U abnt malachite & mnoxide ± chlorite? Dry hole no water table.
TRP932885	B horizon thin to absent. Very abnt grey clay lenses, mod abnt rusty lenses water table @ base of hole.
TRP932886	close to stream very high sand & cobble up to 1m variable cobble litho
Trp932887	10m from stream regen. Forest minor rusty lenses
TRP932888	regen. Forest variable cobble litho.
TRP932889	Regen forest, rusty lenses
TRP932890	clear burn horizon in upper B horiz. Minor rusty lenses no disturbances (old trees)
TRP932891	on slope variable cobble litho
TRP932892	on side hill evidence of old burn 43cm in pit. Minor rusty lenses
TRP932893	minor rusted lenses variable cobble litho
TRP932894	small burn layer in soil

Sample Number	Notes
TRP932896	
TRP932897	
TRP932898	
TRP932899	
TRP932900	

Sample Number	Type	Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm
SRP095360	Till	2.3	0.97	27.49	15.34	211.5	166	45.8	17.3	538	5.71	10.2	0.9	2.2	29.8	0.3	<0.02
TA095369	Till	2.4	0.58	33.47	12.36	105.2	90	40.2	15.4	808	4.93	16.7	4.9	3.6	80	0.14	0.02
TA095370	Till	<0.2	1.38	22.55	20.94	191	155	32.7	16.3	876	5.16	51.3	0.9	2.2	52	0.35	0.04
TA095371	Till	1.5	0.65	31.59	14.07	147.5	170	36.5	14.8	744	5.49	27.7	6.9	4.2	215	0.29	<0.02
TA095901	Till	2.8	0.57	38.7	11.18	124.1	57	27.5	9.5	346	4.92	28.7	1.7	4.4	117	0.09	0.03
TA095902	Till	2.9	0.65	36.31	11.11	121.6	120	30.4	10.5	361	4.9	25.7	2.6	3.9	147	0.11	<0.02
TA095903	Till	2.5	0.02	29.91	12.05	34.4	87	8.3	4.4	99	1.94	4.5	2.4	6.1	181.6	0.03	0.02
TA095904	Till	2	0.54	36.4	19.38	95	40	23.7	11.1	445	4.31	22.8	1.1	3.7	84.8	0.05	0.03
TA095905	Till	4.1	1.14	45.78	18.8	151	233	30.3	10.8	499	4.71	28.9	3.3	4.4	120.2	0.12	0.04
TA095906	Till	1.2	1.24	50.37	35.23	132	93	44.3	24.4	1647	5.19	22.6	1.1	4.6	66.7	0.29	0.13
TA095907	Till	1.6	1.58	26.18	29.01	147.9	289	24.2	11.3	581	4.85	22.3	0.8	3.3	33.9	0.21	0.04
TA095908	Till	0.8	0.95	24.03	22.43	102.8	72	27.6	13.2	378	3.7	13.5	0.8	1.3	68.5	0.11	0.08
TA095910	Till	<0.2	0.62	21.28	16.82	102.5	62	29.7	13.1	782	4.2	11.2	3.2	3.6	130.5	0.1	0.03
TA095911	Till	2.1	0.7	41.08	18.09	156	328	33.6	10.9	431	4.8	16.2	1.7	4.1	81.2	0.13	0.03
TA095912	Till	1.5	4.6	69.77	27.77	203.3	463	63.2	33.2	474	7.73	19	1.4	4.5	78.8	0.15	0.04
TA095913	Till	1.3	1.47	24.29	23.24	141	234	29.5	13.2	873	4.64	16.3	2.3	2.7	125	0.42	0.03
TA095914	Till	0.7	0.88	29.96	20.26	93.8	66	29.4	15.1	526	4.14	14	0.8	2.5	31.6	0.1	0.04
TA095915	Till	0.7	0.74	30.01	17.41	114.5	20	28.6	13.3	413	4.3	12.4	0.7	3.1	27.8	0.04	0.04
TA095916	Till	1.6	0.84	70.46	25.23	124.5	95	53.8	21.6	1542	5.25	20.1	1.9	7.4	92.9	0.2	0.06
TA095917	Till	2.2	0.22	62.95	8.67	138.2	126	39.7	14	721	4.69	8.5	1	4.1	112.6	0.14	0.03
TA095918	Till	0.9	0.77	47.25	17.48	134.5	82	50.6	19.2	967	4.99	14.2	1.4	2.2	69.7	0.1	0.03
TA095919	Till	1.9	0.5	47.91	11.5	94.7	63	30.2	12.8	614	4.37	10.8	1.1	3.5	90.6	0.08	0.03
TA095920	Till	<0.2	1.59	18.1	31.89	166.9	200	25.1	17.8	1443	4.34	17.8	1	1.9	191.1	0.67	0.04
TA095921	Till	1.4	0.8	49.79	20.07	143.3	255	53.6	20	1367	4.41	13.3	0.9	1.2	59.9	0.43	0.13
TA095922	Till	2.3	0.81	50.81	11.92	134.6	80	60.7	17.1	801	5.05	11.3	1.7	2.9	70.7	0.16	0.05
TA095923	Till	1.5	1.35	44.13	17.6	108.9	202	55.5	14.2	616	5.27	16.4	1.4	1.9	69.1	0.12	0.04
TA095924	Till	1.7	0.62	49.43	18.74	126.5	65	51	17.7	970	4.49	14.2	0.9	3.1	59.6	0.13	0.1
TA095925	Till	1.2	0.7	87.28	13.12	174.4	213	71.6	15.9	597	5.65	17.4	0.6	2.9	82.6	0.23	0.04
TA932831	Till	3.7	0.75	12.59	14.18	100.8	233	17.9	6.5	237	3.99	10.4	1.4	4.2	143	0.05	0.08

Sample Number	Type	Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm
TA932832	Till	4.8	1.26	52.6	20.43	163.3	587	37.6	12.5	705	4.77	19.5	1.9	4.5	151.7	0.24	0.15
TA932833	Till	2.5	1.95	29.62	19.74	171.7	422	18.6	6.8	277	3.62	10.8	0.6	3.9	95	0.23	0.14
TA932834	Till	4.2	1.48	46.46	25.04	243.9	138	24.7	10.9	346	4.25	15.8	1.2	4.6	96.3	0.13	0.05
TA932835	Till	1.1	0.75	59.52	12.38	135.3	46	44	14.6	644	5.15	14.7	1.9	5.6	151.5	0.18	0.12
TA932836	Till	1.2	0.86	54.96	16.63	153.6	78	58.2	20.1	1035	5.25	13.1	1.6	3	88.7	0.24	0.14
TA932837	Till	2.2	0.92	73.88	22.05	175.3	52	66.8	23.7	1588	5.19	15.6	1.4	3.6	80.3	0.32	0.08
TA932838	Till	2.1	0.7	60.46	14.1	123.8	55	60.9	20.5	978	4.94	12.3	1.1	2.8	56	0.19	0.07
TA932839	Till	2.6	0.89	36.09	12.18	129.5	66	42.4	13.9	584	5.49	16.8	1.5	3.3	84.9	0.12	0.03
TA932840	Till	1.8	1.29	53.57	27.27	134.3	65	60.3	24	1915	5.38	18	1	2.9	53.2	0.24	0.07
TA932841	Till	2.1	1	83.35	13.04	166.5	276	50.5	13.7	486	5.48	19.2	1.3	3.4	88.5	0.11	0.09
TA932842	Till	1.5	0.73	63.48	15.34	143.6	41	57.3	15.4	608	4.98	14.4	0.8	3.1	60.6	0.15	0.05
TA932843	Till	3.3	0.8	68.83	19.47	147.4	126	46.8	15	815	5.1	16.3	1.6	3.8	69.8	0.26	0.08
TA932844	Till	2.1	0.78	26.04	25.53	109.6	70	47.7	18	1536	5.42	16.8	1.5	3	64.1	0.14	0.03
TA932845	Till	3.9	0.85	47.1	19.66	125	120	44.4	16.9	1096	5.74	14.2	2.6	3.4	80.6	0.25	<0.02
TP932847	Till	25.9	4.03	217.63	87.59	139.6	638	23.5	7.2	237	6.65	18.2	1.2	3.7	84.7	0.07	0.25
TP932848	Till	19.5	3.29	203.6	35.03	147.6	292	33.1	9	315	4.87	13.8	1.1	1.6	34.2	0.11	0.19
TP932849	Till	11.8	3.31	192.24	31.45	153.3	326	36.2	9.3	324	4.57	13.5	1.1	1.1	32	0.1	0.19
TRP095351	Till	3.2	0.68	30.25	14.53	161.2	85	51.2	18.1	754	4.78	9.9	1	1.9	34	0.22	<0.02
TRP095352	Till	2.5	0.49	44.86	14.23	137.9	43	57.9	21.2	975	5.24	10.3	1.5	2.7	44.3	0.23	<0.02
TRP095353	Till	2.7	0.53	67.03	14.94	173.2	135	76.2	19.5	911	5.81	13.5	1.3	3.7	66.2	0.28	<0.02
TRP095354	Till	2.8	0.48	66.37	13.72	170.1	176	64.3	18.6	890	5.83	13.4	1.1	3.4	68.3	0.22	<0.02
TRP095355	Till	2.5	0.61	63.29	14.82	169.4	195	59.7	20	1039	5.95	16.1	1	3.6	65.8	0.2	<0.02
TRP095356	Till	0.8	0.46	36.11	13.8	204.1	322	54.4	18.4	934	4.96	7.4	0.8	0.5	50.9	0.39	<0.02
TRP095357	Till	0.5	0.51	22.28	13.38	129	142	44	17.7	923	4.36	8.4	0.9	0.8	35.7	0.24	<0.02
TRP095358	Till	1.2	0.66	38.41	17.06	138.1	67	60.3	25	1526	5.64	12.1	1.5	2.3	46.2	0.22	<0.02
TRP095361	Till	2.2	0.36	59.16	12.22	127.8	95	60	15.7	537	5.44	8.2	1.8	5.3	89.7	0.06	0.03
TRP095362	Till	1.2	0.66	44.63	19.55	152.7	107	78	25.2	1323	5.51	11	1.6	3	71.5	0.26	<0.02

Sample Number	Type	Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm
TRP095363	Till	1.8	0.58	44.64	16.33	138.6	64	72.9	25.4	1166	4.95	12.5	1	4	93.5	0.17	<0.02
TRP095364	Till	1.5	0.45	50.75	18.36	111.4	91	70.7	23.5	1136	4.88	12.8	1.1	3.9	86.2	0.17	0.02
TRP095365	Till	0.7	1.74	46.82	18.54	97.7	70	66.9	25	1318	5.52	20.7	1.3	3.9	34	0.1	0.07
TRP095366	Till	1.8	0.81	61.45	20.48	105.1	81	63.2	22.2	1741	5.78	14.3	3.6	5.3	74.6	0.16	0.05
TRP095367	Till	0.4	1.47	54.25	18.4	105	154	67.8	22.6	944	5.58	18.4	1.4	5.3	47.1	0.13	0.07
TRP095368	Till	2.2	0.31	60.51	9.32	95.1	23	32.9	15	806	4.39	8	2	5.8	143.1	0.13	0.07
TRP095372	Till	1.6	0.53	66.76	15.02	122.4	27	63	18.8	896	4.79	10.6	1.6	6	91.1	0.11	0.04
TRP095373	Till	1	2.81	55.29	19.51	121.3	183	66.4	21.9	1001	6.16	9.8	4	6.5	84.5	0.2	0.02
TRP095374	Till	1.8	1.03	82.94	27.6	130.4	112	68.6	25.3	1878	5.53	18	2.3	9	88.5	0.32	0.07
TRP932801	Till	1.6	0.78	45.62	15.62	119.5	63	52.8	16.7	613	4.96	11.6	0.9	2.9	47.6	0.06	0.07
TRP932802	Till	1.1	0.93	37.23	19.52	144.4	81	55.1	25	1235	5.18	11.6	1.2	1.7	42.6	0.27	0.06
TRP932803	Till	0.9	1.04	31.3	20.57	166	232	63	22.2	1731	5.62	11.3	2.4	1.6	64.2	0.27	0.04
TRP932804	Till	0.9	1.4	32.8	23.17	142.6	136	64	21.9	912	6.03	12.9	1.1	2.6	46.8	0.12	0.06
TRP932805	Till	1.5	1.01	44.52	17.35	132.9	73	77.8	20.5	545	4.87	9.4	0.9	2.5	30	0.06	0.03
TRP932806	Till	1.9	0.17	73.95	6.82	111.8	128	46.2	21	521	6.09	3.2	1.8	6.6	109.7	0.04	0.02
TRP932807	Till	0.2	0.79	25.95	16.97	170.4	184	55.2	27.6	2169	5.46	8.2	1	1.9	92.3	0.25	0.04
TRP932808	Till	0.9	1.66	71.92	27.79	123.1	108	77	26.1	1616	5.94	24.2	2	8.3	42.2	0.18	0.1
TRP932809	Till	0.4	2.3	27.68	16.28	175.9	195	54.3	18.7	1159	4.75	8.5	4.8	1.2	83.4	0.26	<0.02
TRP932810	Till	0.5	1.66	25.27	21.49	196.8	239	67.5	27.1	538	6.55	17	0.6	1.8	26.9	0.35	0.05
TRP932811	Till	0.4	0.58	47.34	17.27	127.9	55	60.4	24.3	1287	4.92	11.1	0.6	2.2	48.8	0.15	<0.02
TRP932812	Till	3	0.88	65.49	12.42	110.5	86	48.4	14.8	565	5.77	12.3	1.9	3.6	106.7	0.07	<0.02
TRP932813	Till	0.4	0.97	53.56	24.22	132.1	53	61.6	27.9	2368	5.51	13	1.1	3.4	62.9	0.28	<0.02
TRP932815	Till	0.9	0.37	45.38	19.42	129.6	150	62.6	22.3	1469	4.89	11	1.3	2.7	64.9	0.28	<0.02
TRP932816	Till	1.8	0.73	60.76	14.32	97.4	83	58.9	19.2	1120	4.18	9.5	4.9	2.8	56.3	0.11	<0.02
TRP932817	Till	2.1	0.93	66.89	13.69	143.6	53	56.1	17.8	704	5.45	11.8	1.1	3.8	73.6	0.08	0.05
TRP932818	Till	2	1.07	67.39	10.99	138.3	114	53.9	15.8	601	5.55	12.9	1.2	3.7	85.7	0.06	<0.02

Sample Number	Type	Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm
TRP932819	Till	1.8	0.87	54.17	16.52	130.2	79	68.5	22.2	1102	4.78	9.8	0.8	1.4	51.7	0.16	0.02
TRP932820	Till	2.3	1.48	51.12	24.09	154.6	143	69.4	31.3	1825	6.14	12.9	0.8	1.7	44.4	0.17	<0.02
TRP932822	Till	1.7	0.35	59.08	20.83	126.5	111	53	20.5	970	5.03	13.2	1.4	5.4	83.5	0.15	0.04
TRP932823	Till	1.6	0.35	70.39	14.4	124.7	50	64.8	21.3	867	5.18	11.2	1.8	6.7	98.4	0.18	0.05
TRP932824	Till	2.3	0.38	74.69	18.16	137.2	96	72.6	22.4	1115	5.48	13.5	1.7	6.9	100.9	0.23	0.08
TRP932825	Till	3.6	0.52	87.89	14.5	124	218	66.1	25.9	1419	6.13	8	4.8	7.5	102.1	0.17	0.1
TRP932826	Till	2.3	0.52	62.17	21.24	107.4	294	63.2	26.7	1374	5.73	14.2	3.1	7.1	85.5	0.13	0.04
TRP932827	Till	2.1	0.59	60.08	28.74	126.9	211	64.5	26.2	1753	5.98	15.9	4.8	6.8	98.9	0.21	0.07
TRP932828	Till	1	0.5	50.01	33.18	147.3	223	65.4	32.1	2268	5.77	14.5	2.5	5.8	99.5	0.39	0.04
TRP932829	Till	1.3	0.48	57.12	19.09	117.7	73	66.4	23.9	1142	5.18	14.3	1.4	4.7	85.1	0.2	0.05
TRP932851	Till	0.6	0.59	26.93	18.45	129.5	129	58.9	23.2	1414	5.03	12.4	0.9	1.7	51.1	0.19	<0.02
TRP932852	Till	0.3	1	28.46	17.64	172.6	147	53.1	21.5	841	4.81	10.7	0.7	1.5	42.9	0.19	<0.02
TRP932853	Till	6.7	0.29	51.04	12.81	120.6	78	37.4	16.6	903	6.02	9.1	1.5	4.4	119.1	0.11	<0.02
TRP932854	Till	3.8	1.09	23.31	18.52	170.2	202	38.2	18.2	772	5.19	12.3	0.6	2.2	47.5	0.27	0.03
TRP932855	Till	5.4	0.88	40.41	21.57	167.5	262	73.2	25.1	963	5.61	8.4	3	3.3	59.2	0.25	0.03
TRP932856	Till	4.4	2.39	32.53	19.07	180.2	174	52.1	23.3	457	6.33	12.1	1	2.6	40.8	0.23	0.05
TRP932857	Till	3.5	1.94	40.48	18.5	96.1	410	52.5	20	714	6.48	15.4	1.1	2.6	41.3	0.25	0.06
TRP932858	Till	5.3	1.26	44.36	19.7	164.2	319	51.1	18.1	1088	6.12	10.4	1.8	2.4	113.5	0.29	0.1
TRP932859	Till	2.8	0.59	59.4	15.15	109	92	60.2	20.9	1008	4.87	11.4	0.9	3.3	75.5	0.19	0.03
TRP932861	Till	1.2	0.45	33.03	16.5	90.5	53	42.1	16.7	1113	4.03	9.9	0.6	1.7	49.3	0.13	0.03
TRP932862	Till	0.7	0.57	24.32	11.6	132.4	152	37	14.5	816	4.66	9	0.7	1.4	44	0.17	<0.02
TRP932863	Till	1.1	0.6	46.22	15.33	153.1	121	55	21.3	1034	4.75	11	0.9	1.9	45.9	0.23	<0.02
TRP932864	Till	1.1	0.87	50.6	22.34	159.7	210	58.4	22.2	1730	4.76	10.4	0.7	1.1	65.3	0.32	<0.02
TRP932865	Till	1.5	0.58	38.92	16.32	124.5	118	55.4	19.5	998	4.63	9.4	0.8	1.4	50	0.12	<0.02
TRP932866	Till	0.3	0.55	33.05	11.55	112	77	39.4	16.4	905	4.55	10.4	0.8	0.7	42.9	0.15	<0.02
TRP932867	Till	1.4	0.43	38.13	9.64	124.5	51	50.1	14.6	546	4.83	8.8	1.4	2.5	71.3	0.11	<0.02
TRP932868	Till	3	0.8	47.21	12.35	102.6	62	48.3	15.4	571	4.68	9.7	0.6	1.5	28.6	0.06	<0.02
TRP932869	Till	3	0.41	68.25	13.38	160.6	112	63.2	16.6	725	5.56	12.3	1.9	4.2	65.2	0.17	0.02

Sample Number	Type	Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm
TRP932870	Till	2.2	0.53	52.8	19.56	114.5	52	56.3	20.5	1031	4.73	12.1	0.9	3.1	47.6	0.13	0.04
TRP932871	Till	1.6	0.3	53.04	15.51	119.7	55	50.8	16.6	973	5.11	10.9	1.5	4.3	71.1	0.13	<0.02
TRP932872	Till	3	0.37	48.97	16.63	112.8	54	49.1	18.1	665	5.31	10.6	1.4	4	61.8	0.06	<0.02
TRP932873	Till	2	0.2	38.25	14.29	100.9	59	31.4	15.4	796	5.88	8.4	2	4.5	91.9	0.07	<0.02
Trp932874	Till	2.7	0.2	43.43	16.01	108.8	56	38.7	16.6	392	5.59	9.1	2.1	3.9	146.3	0.04	<0.02
TRP932875	Till	0.9	0.7	34.08	18.68	126.2	111	55.1	22.8	1656	5.17	11.6	1.3	2.5	51.1	0.17	<0.02
Trp932876	Till	1.3	0.38	57.4	13.56	143	104	55.2	14.6	561	5.04	10	0.9	3.2	69	0.1	<0.02
TRP932877	Till	1.5	0.32	62.21	13.56	143.3	205	53.4	16.1	705	5.22	12.7	1.3	3.7	87.8	0.16	<0.02
TRP932879	Till	1.3	0.25	53.94	11.06	141.7	83	63.6	15.9	612	4.78	10	0.6	2.6	59.1	0.15	<0.02
TRP932880	Till	1.6	0.52	39.2	16.7	120.8	86	57.5	18.9	804	4.95	10.1	0.7	1.8	34.4	0.12	<0.02
TRP932881	Till	4.3	0.38	59.45	11.94	129.3	39	59.3	15.2	536	4.95	10	0.9	3.3	53.9	0.06	<0.02
TRP932882	Till	3	0.31	46.54	11.06	102.9	26	43.2	12.9	417	4.36	7.8	0.8	3.1	43.6	0.04	<0.02
TRP932883	Till	3.5	0.51	68.21	25.19	184.8	72	52.9	18.4	827	4.88	13.4	1	4.2	53.3	0.12	<0.02
TRP932885	Till	1.8	0.46	63.4	14.33	155.1	180	68.8	17.2	639	4.92	12.8	0.8	3.3	68.3	0.11	<0.02
TRP932886	Till	4.2	0.5	71.94	19.98	139.6	78	75.5	22	610	6.64	14.9	1.8	4.3	103.3	0.09	0.03
Trp932887	Till	1.7	0.19	62.68	11.12	137	36	62.9	17.7	761	5.16	10.6	1.2	3.9	87.2	0.17	<0.02
TRP932888	Till	1.6	0.66	72.59	29.15	139.3	75	65	28.8	2623	5.15	17	2	7.5	41.6	0.45	<0.02
TRP932889	Till	3.7	0.45	75.22	24.38	121.6	80	72	23.9	1755	5.46	16.1	5.5	5.2	105.9	0.18	0.03
TRP932890	Till	1.5	0.36	40.56	19.95	127.3	119	68.1	22.2	1153	4.96	11.3	1.3	2.4	72.9	0.25	<0.02
TRP932891	Till	2.3	0.23	62.74	22.84	121.1	104	72.5	24.2	1300	4.72	12.2	1.3	4.5	73.4	0.19	<0.02
TRP932892	Till	1.4	0.24	61.72	11.24	132.1	20	76.5	19.2	788	4.72	10.9	0.9	3.7	73.3	0.15	<0.02
TRP932893	Till	0.9	0.46	50.34	18.89	114.1	43	77	24.3	1345	4.71	11.1	1.1	2.8	59.5	0.14	<0.02
TRP932894	Till	1	0.28	55.14	13.47	116.3	24	76.1	20.4	894	4.37	8.8	1	2.8	62.3	0.15	<0.02
TRP932896	Till	1.4	0.79	36.24	22.47	133	200	74.8	25	1264	5.83	13.9	1.5	4.6	81.4	0.19	0.03
TRP932897	Till	1.3	0.72	58.82	21.12	129.6	55	73	22.2	993	5.03	12.9	1.2	4.3	86.1	0.15	0.03
TRP932898	Till	0.3	0.77	55.76	18.28	117.3	198	72.1	25.6	1340	5.33	13.2	1.8	5.1	64.9	0.21	0.03
TRP932899	Till	3.3	1.24	75.22	21.66	130.9	53	91.9	26.2	1686	5.59	17.6	1.7	6.2	64.2	0.31	0.06
TRP932900	Till	1.7	1.03	75.74	22.33	135.8	80	73.8	25.8	1511	5.37	17.3	2	7.4	74.2	0.3	0.06

Sample Number	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb
SRP095360	0.26	90	0.25	0.143	8.6	42.7	0.71	248.2	0.005	<20	4.9	0.017	0.14	<0.1	6.3	0.14	<0.02	44
TA095369	0.24	69	0.61	0.06	13.2	37.6	0.67	487.8	0.002	<20	4.25	0.018	0.21	<0.1	12.4	0.39	0.03	71
TA095370	0.3	82	0.34	0.222	9.4	29.4	0.4	489.4	0.005	<20	4.32	0.009	0.15	<0.1	5.1	0.61	0.03	75
TA095371	0.27	87	0.77	0.059	15.6	41.5	0.73	556.3	0.003	<20	3.61	0.025	0.23	<0.1	13.1	0.54	0.02	57
TA095901	0.29	70	0.72	0.036	10.8	34	0.6	410.4	0.002	<20	3.38	0.021	0.25	<0.1	11.9	0.36	<0.02	77
TA095902	0.27	77	0.7	0.04	13.2	37	0.62	638	0.002	<20	3.64	0.023	0.2	<0.1	12.5	0.36	<0.02	81
TA095903	0.19	22	0.82	0.012	13	12.7	0.32	319.1	<0.001	<20	3.47	0.023	0.29	<0.1	7.5	0.26	<0.02	152
TA095904	0.26	63	0.54	0.074	15.3	31.3	0.5	832.7	0.003	<20	3.37	0.02	0.16	<0.1	9.8	0.23	<0.02	80
TA095905	0.36	62	0.61	0.033	16	34.4	0.71	573.2	0.002	<20	3.3	0.023	0.23	<0.1	11.9	0.22	<0.02	122
TA095906	0.76	70	0.36	0.112	15.9	41.2	0.9	618.5	0.016	<20	4.78	0.025	0.22	<0.1	8.7	0.21	<0.02	52
TA095907	0.68	76	0.21	0.218	13.9	28.4	0.53	374.4	0.007	<20	4.19	0.022	0.16	<0.1	5.6	0.17	<0.02	64
TA095908	0.41	59	0.33	0.049	15	26	0.63	588.4	0.004	<20	4.27	0.02	0.14	<0.1	4.1	0.16	<0.02	33
TA095910	0.42	71	0.53	0.053	16.2	33.1	0.71	457.8	0.005	<20	3.69	0.03	0.15	<0.1	7.7	0.12	<0.02	32
TA095911	0.44	68	0.64	0.039	18.6	39.9	0.8	574.2	0.002	<20	3.4	0.026	0.27	<0.1	13.7	0.17	<0.02	142
TA095912	0.57	116	0.65	0.055	14	46	0.72	479.7	0.002	<20	2.94	0.023	0.24	<0.1	17.1	0.18	<0.02	320
TA095913	0.46	68	0.78	0.071	16.4	36	0.78	794.6	0.003	<20	3.5	0.031	0.21	<0.1	9.8	0.15	0.02	61
TA095914	0.35	63	0.23	0.04	12.5	32.8	0.69	303.7	0.007	<20	3.94	0.019	0.13	<0.1	5.5	0.13	<0.02	32
TA095915	0.34	61	0.21	0.041	10.4	33.7	0.7	240.1	0.004	<20	4.29	0.015	0.17	<0.1	6.1	0.15	<0.02	49
TA095916	0.34	78	0.49	0.137	21.4	50.9	0.8	951.2	0.014	<20	6.53	0.032	0.12	<0.1	11.4	0.21	<0.02	59
TA095917	0.23	69	1.09	0.094	18.1	46.3	1.14	367.2	0.003	<20	4.01	0.026	0.22	<0.1	13.3	0.15	<0.02	50
TA095918	0.31	79	0.47	0.092	15.6	46.2	0.84	673.3	0.008	<20	5.07	0.026	0.13	<0.1	7	0.14	<0.02	42
TA095919	0.3	62	0.69	0.054	15.7	35.2	0.79	676.3	0.005	<20	3.96	0.021	0.21	<0.1	11.5	0.2	<0.02	43
TA095920	0.41	65	0.68	0.099	12.6	28.5	0.73	706.2	0.004	<20	3.43	0.028	0.19	<0.1	5.5	0.15	<0.02	30
TA095921	0.29	64	0.63	0.079	15.2	44.5	0.82	407.2	0.005	<20	3.59	0.018	0.2	<0.1	7.1	0.15	<0.02	45
TA095922	0.28	72	0.74	0.049	13.2	52.9	0.93	435.8	0.003	<20	3.67	0.021	0.2	<0.1	12.3	0.15	<0.02	58
TA095923	0.41	92	0.5	0.076	10.8	52.3	0.78	462.5	0.004	<20	4.66	0.023	0.17	<0.1	9.4	0.16	0.02	68
TA095924	0.29	60	0.41	0.041	17.8	42.2	0.88	393.9	0.005	<20	3.33	0.018	0.19	<0.1	9.3	0.19	<0.02	35
TA095925	0.35	75	0.67	0.048	9.4	63.1	0.97	471.5	0.001	<20	3.93	0.035	0.24	<0.1	12.7	0.14	<0.02	44

Sample Number	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb
TA932831	0.3	52	0.66	0.028	12.4	22.3	0.46	983.6	0.001	<20	2.92	0.019	0.24	<0.1	11.5	0.21	<0.02	126
TA932832	0.5	63	0.63	0.049	15.3	39.9	0.73	648.8	0.003	<20	3.36	0.029	0.25	<0.1	19.8	0.19	<0.02	184
TA932833	0.29	37	0.61	0.029	18	20.2	0.39	532.6	<0.001	<20	1.79	0.023	0.24	<0.1	8.1	0.12	<0.02	59
TA932834	0.45	53	0.58	0.051	35.6	33.4	0.58	343.1	0.002	<20	3.66	0.028	0.22	<0.1	11.5	0.19	<0.02	148
TA932835	0.29	70	0.87	0.066	27.2	42.4	0.98	434.7	0.008	<20	3.7	0.039	0.19	<0.1	13.4	0.17	<0.02	74
TA932836	0.29	73	0.83	0.068	13.6	48.9	1.21	376.1	0.012	<20	4.2	0.029	0.19	<0.1	9.8	0.15	<0.02	27
TA932837	0.3	69	0.7	0.064	18.6	52.1	1.13	381.7	0.005	<20	4.21	0.03	0.17	<0.1	11.8	0.2	<0.02	45
TA932838	0.26	70	0.39	0.048	12.7	49.6	1.09	387.7	0.012	<20	4.67	0.025	0.17	<0.1	8.1	0.14	<0.02	26
TA932839	0.3	79	0.62	0.039	10.6	48.1	0.82	424.1	0.002	<20	3.67	0.025	0.25	<0.1	11.7	0.22	<0.02	30
TA932840	0.61	78	0.34	0.08	12.4	49.8	0.81	399.3	0.005	<20	3.79	0.026	0.14	<0.1	7.6	0.17	<0.02	43
TA932841	0.75	77	0.59	0.044	11.9	52.6	0.92	459.1	0.002	<20	3.64	0.036	0.23	<0.1	13.1	0.18	<0.02	74
TA932842	0.33	64	0.33	0.06	12.8	52.8	0.99	478.9	0.004	<20	4.2	0.018	0.2	<0.1	10.1	0.12	<0.02	46
TA932843	0.48	71	0.44	0.069	18.1	44.4	0.9	532.9	0.004	<20	3.78	0.022	0.23	<0.1	12.5	0.22	<0.02	91
TA932844	0.38	88	0.37	0.065	14	44.9	0.93	485.9	0.005	<20	3.87	0.029	0.14	<0.1	5.9	0.16	<0.02	36
TA932845	0.49	87	0.61	0.086	15.3	47.6	0.86	496.4	0.002	<20	4.01	0.023	0.17	<0.1	10.5	0.22	<0.02	72
TP932847	0.86	51	0.13	0.12	13.5	21.5	0.32	590.3	0.004	<20	3.44	0.025	0.27	<0.1	6.2	0.26	0.3	96
TP932848	0.53	47	0.11	0.084	10.5	21.7	0.38	222.9	0.003	<20	3.59	0.016	0.15	<0.1	4.5	0.22	0.05	73
TP932849	0.52	46	0.12	0.086	10.8	21.6	0.39	211.2	0.003	<20	3.62	0.015	0.14	<0.1	3.7	0.2	0.05	76
TRP095351	0.21	72	0.28	0.067	9.5	41.7	0.81	277.9	0.004	<20	3.91	0.011	0.14	<0.1	5.8	0.17	<0.02	39
TRP095352	0.19	73	0.42	0.05	11.8	48.4	0.99	359.8	0.004	<20	4.09	0.014	0.2	<0.1	8.4	0.2	<0.02	35
TRP095353	0.25	79	0.71	0.051	13.7	60.9	1.08	638.6	0.002	<20	4.22	0.018	0.29	<0.1	12.5	0.24	<0.02	73
TRP095354	0.24	78	0.79	0.052	11.3	60.1	1.06	645.9	0.002	<20	4.31	0.019	0.31	<0.1	13.2	0.24	<0.02	71
TRP095355	0.25	82	0.79	0.061	11.8	56.4	1.06	581	0.002	<20	4.09	0.021	0.31	<0.1	12.8	0.22	<0.02	54
TRP095356	0.22	74	0.45	0.069	7	49.8	0.96	428.5	0.002	<20	5.07	0.009	0.21	<0.1	5.1	0.21	<0.02	30
TRP095357	0.21	72	0.32	0.043	9.1	39.9	0.81	264.2	0.003	<20	3.36	0.012	0.15	<0.1	4.3	0.16	<0.02	46
TRP095358	0.23	84	0.44	0.046	11.7	52.9	0.99	371.1	0.005	<20	4.23	0.014	0.21	<0.1	7.9	0.19	<0.02	46
TRP095361	0.25	77	0.69	0.044	15.3	54.7	1.14	384.1	0.007	<20	4.62	0.023	0.2	<0.1	12.3	0.2	<0.02	43
TRP095362	0.23	81	0.49	0.058	14.1	56.3	1.06	320.9	0.007	<20	4.43	0.027	0.18	<0.1	8.4	0.18	<0.02	35
TRP095363	0.2	69	0.6	0.092	15.2	51	1.07	364.3	0.009	<20	4.93	0.019	0.2	<0.1	8.7	0.19	<0.02	29

Sample Number	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb
TRP095364	0.23	67	0.61	0.078	14.8	51.9	0.96	341	0.009	<20	4.97	0.018	0.18	<0.1	8.6	0.17	<0.02	34
TRP095365	0.31	80	0.3	0.088	12.1	49.4	1.02	354.4	0.015	<20	5.55	0.015	0.18	<0.1	7.6	0.16	<0.02	55
TRP095366	0.36	81	0.73	0.07	27	53.5	1.03	324.1	0.007	<20	5.24	0.023	0.15	<0.1	17.3	0.23	<0.02	81
TRP095367	0.34	92	0.28	0.231	15	53.4	0.98	387.1	0.017	<20	6.68	0.014	0.16	<0.1	9.2	0.27	<0.02	58
TRP095368	0.21	55	1.11	0.048	15.1	29.9	1.29	295.8	0.004	<20	4.43	0.017	0.16	<0.1	15.1	0.16	<0.02	114
TRP095372	0.21	63	0.61	0.07	23.2	48.2	1	361.7	0.012	<20	4.66	0.021	0.19	<0.1	12.1	0.18	<0.02	51
TRP095373	0.31	112	0.8	0.065	23.5	59.9	1.13	393.8	0.019	<20	4.06	0.048	0.11	<0.1	11.3	0.22	<0.02	37
TRP095374	0.35	78	0.59	0.181	28.3	53	0.91	656.2	0.016	<20	6.83	0.025	0.21	<0.1	14.6	0.22	<0.02	66
TRP932801	0.21	75	0.42	0.04	11.9	50.7	0.9	402.8	0.007	<20	3.88	0.015	0.21	<0.1	9.1	0.18	<0.02	64
TRP932802	0.26	83	0.38	0.065	11.3	49.1	0.98	329.1	0.007	<20	4.03	0.015	0.2	<0.1	6.1	0.19	<0.02	49
TRP932803	0.4	104	0.58	0.085	15.3	56.4	1.06	560.6	0.01	<20	4.99	0.022	0.17	<0.1	6.4	0.22	<0.02	47
TRP932804	0.87	150	0.45	0.077	12.4	65	1.17	465	0.035	<20	5.15	0.024	0.14	<0.1	7.3	0.27	<0.02	36
TRP932805	0.52	99	0.26	0.069	10	63.1	0.92	429.5	0.016	<20	6.1	0.021	0.15	<0.1	6.6	0.28	<0.02	46
TRP932806	0.15	73	1.14	0.083	22.2	49.2	2.22	188.3	0.015	<20	4.92	0.01	0.13	<0.1	19.5	0.14	<0.02	33
TRP932807	0.43	104	0.69	0.086	10.4	55	1.31	439.3	0.021	<20	4.43	0.028	0.18	<0.1	7.2	0.2	<0.02	32
TRP932808	0.37	92	0.25	0.34	15.6	55.1	0.84	906.5	0.028	<20	8.63	0.037	0.18	<0.1	11.4	0.28	<0.02	87
TRP932809	0.27	97	0.55	0.067	10.1	54.1	0.98	464.9	0.006	<20	4.87	0.015	0.16	<0.1	6.1	0.23	<0.02	40
TRP932810	0.4	105	0.27	0.162	10.4	59.2	0.82	302.6	0.015	<20	5.17	0.015	0.19	<0.1	5.5	0.19	<0.02	46
TRP932811	0.21	69	0.38	0.048	11.2	46.9	0.94	455.8	0.004	<20	4.08	0.01	0.19	<0.1	7.5	0.19	<0.02	18
TRP932812	0.23	87	0.81	0.049	16.3	52.3	1	584.4	0.003	<20	4.55	0.021	0.27	<0.1	15.2	0.25	<0.02	74
TRP932813	0.27	76	0.54	0.073	14.7	46.7	1	555.9	0.005	<20	4.69	0.021	0.2	<0.1	9	0.24	<0.02	42
TRP932815	0.27	66	0.61	0.076	13.1	46.9	0.99	489	0.005	<20	4.69	0.037	0.17	<0.1	8.3	0.2	<0.02	38
TRP932816	0.24	57	0.64	0.035	17.6	47.1	1.03	281.2	0.004	<20	3.87	0.027	0.14	<0.1	12.2	0.21	<0.02	119
TRP932817	0.32	80	0.52	0.059	11	51.1	1.04	420.7	0.003	<20	4.58	0.02	0.21	<0.1	12.8	0.18	<0.02	57
TRP932818	0.33	81	0.54	0.052	11.4	51.2	0.93	441.1	0.002	<20	4.29	0.026	0.21	<0.1	13.9	0.19	<0.02	75
TRP932819	0.27	65	0.48	0.06	12.4	45.7	0.93	336.4	0.003	<20	3.83	0.014	0.17	<0.1	6.9	0.15	<0.02	29
TRP932820	0.35	80	0.35	0.067	9.4	49.8	0.77	323.8	0.002	<20	3.94	0.02	0.16	<0.1	6.7	0.15	0.03	40
TRP932822	0.24	67	0.63	0.063	20.1	45.7	1.05	350.5	0.021	<20	4.9	0.016	0.25	<0.1	11.3	0.28	<0.02	34
TRP932823	0.19	69	0.74	0.049	17.8	53.1	1.23	296.2	0.008	<20	4.55	0.026	0.27	<0.1	12.5	0.23	<0.02	27
TRP932824	0.32	71	0.71	0.048	23.6	55.4	1.09	317.4	0.009	<20	4.57	0.032	0.2	<0.1	14.9	0.24	<0.02	33

Sample Number	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb
TRP932825	0.24	82	0.83	0.052	26.1	55.7	1.34	248.6	0.008	<20	4.33	0.031	0.18	<0.1	20.8	0.33	<0.02	66
TRP932826	0.31	86	0.8	0.057	22	59.6	0.96	349.6	0.013	<20	4.97	0.037	0.13	<0.1	14.4	0.26	<0.02	88
TRP932827	0.33	89	0.81	0.076	25.5	55.3	1.16	339.3	0.017	<20	4.47	0.052	0.18	<0.1	13.9	0.3	<0.02	68
TRP932828	0.29	86	0.82	0.087	23.1	58.6	1.29	339.1	0.014	<20	4.3	0.079	0.19	<0.1	11.4	0.26	<0.02	47
TRP932829	0.21	72	0.64	0.065	16.8	51.5	1.11	336.9	0.013	<20	4.72	0.023	0.21	<0.1	10.2	0.21	<0.02	31
TRP932851	0.27	92	0.41	0.07	10.6	47.5	0.82	390.1	0.005	<20	3.78	0.017	0.13	<0.1	6.1	0.16	<0.02	39
TRP932852	0.3	79	0.41	0.102	9.8	43.4	0.77	375	0.004	<20	3.72	0.01	0.16	<0.1	5.3	0.15	<0.02	35
TRP932853	0.28	92	1.1	0.053	16.2	45.8	0.86	639.1	0.003	<20	4.5	0.024	0.21	<0.1	14.7	0.24	<0.02	51
TRP932854	0.29	78	0.58	0.333	7.2	34	0.64	399.2	0.01	<20	4.62	0.008	0.21	<0.1	4.9	0.15	<0.02	75
TRP932855	0.55	118	0.64	0.077	16.1	64.8	1.24	640.4	0.019	<20	5.34	0.025	0.17	<0.1	10.9	0.27	<0.02	61
TRP932856	0.51	143	0.37	0.075	13.4	59.9	0.76	426	0.033	<20	6.81	0.032	0.13	<0.1	7.7	0.23	<0.02	87
TRP932857	0.38	106	0.29	0.103	10.8	49	0.65	434.7	0.017	<20	6.33	0.013	0.13	<0.1	6.2	0.19	0.02	93
TRP932858	0.55	133	0.87	0.125	13	50.8	1.16	580	0.02	<20	5.56	0.055	0.14	<0.1	8.6	0.23	0.03	84
TRP932859	0.36	71	0.57	0.074	14.6	50	1.01	496.4	0.008	<20	4.41	0.029	0.2	<0.1	9.2	0.23	<0.02	38
TRP932861	0.28	57	0.4	0.075	10.7	33.6	0.73	339.3	0.005	<20	3.43	0.018	0.18	<0.1	5.7	0.16	<0.02	35
TRP932862	0.28	72	0.38	0.115	9.1	35.8	0.67	364.7	0.004	<20	4.07	0.017	0.12	<0.1	5	0.16	<0.02	44
TRP932863	0.35	58	0.36	0.093	12	43.6	0.79	404.8	0.002	<20	4.07	0.017	0.15	<0.1	7.1	0.17	<0.02	58
TRP932864	0.35	60	0.43	0.092	9.8	45.3	0.78	403.7	0.002	<20	3.69	0.017	0.15	<0.1	6	0.18	<0.02	48
TRP932865	0.39	66	0.38	0.062	10.5	46.3	0.78	356.2	0.002	<20	3.6	0.019	0.11	<0.1	6.3	0.18	<0.02	68
TRP932866	0.32	58	0.31	0.063	8.8	36.1	0.78	254.9	0.003	<20	3.33	0.017	0.16	<0.1	4.3	0.17	<0.02	36
TRP932867	0.36	63	0.61	0.052	9.9	45.7	0.94	353.7	0.002	<20	3.36	0.02	0.18	<0.1	9.9	0.18	<0.02	34
TRP932868	0.34	62	0.2	0.08	8.6	40	0.68	323.3	0.002	<20	4.06	0.013	0.09	<0.1	5.1	0.16	<0.02	34
TRP932869	0.48	73	0.78	0.053	14.4	61.1	1.07	676.1	0.005	<20	4.49	0.025	0.21	<0.1	14.5	0.29	<0.02	95
TRP932870	0.53	71	0.42	0.053	14.3	52	1.02	545.9	0.012	<20	4.92	0.019	0.19	<0.1	8.8	0.25	<0.02	38
TRP932871	0.52	73	0.61	0.085	20.4	58.5	0.92	693.4	0.009	<20	4.51	0.024	0.13	<0.1	13	0.2	<0.02	65
TRP932872	0.43	72	0.49	0.075	16.6	50.6	0.9	469.1	0.005	<20	3.88	0.021	0.14	<0.1	11.9	0.25	<0.02	57
TRP932873	0.35	84	0.91	0.077	16.9	39.3	0.84	715.2	0.004	<20	4.58	0.021	0.15	<0.1	12.9	0.19	<0.02	56
Trp932874	0.31	75	0.89	0.066	18.7	45.9	0.81	690	0.002	<20	4.25	0.025	0.28	<0.1	14.3	0.33	<0.02	52
TRP932875	0.39	75	0.47	0.061	11.6	50.7	0.96	373.9	0.004	<20	3.99	0.02	0.18	<0.1	7.6	0.22	<0.02	42
Trp932876	0.33	59	0.58	0.052	14.1	52.8	0.95	490.6	0.003	<20	4.08	0.022	0.21	<0.1	11	0.25	<0.02	55

Sample Number	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb
TRP932877	0.34	67	0.72	0.05	13.5	52.4	1	535.4	0.002	<20	3.71	0.024	0.24	<0.1	12.4	0.23	<0.02	69
TRP932879	0.21	64	0.47	0.043	11.1	54.2	0.87	398.3	0.002	<20	3.84	0.022	0.24	<0.1	11.3	0.17	<0.02	37
TRP932880	0.22	64	0.3	0.043	11.7	49.1	0.96	279.6	0.004	<20	3.93	0.017	0.16	<0.1	6.2	0.17	<0.02	29
TRP932881	0.22	60	0.47	0.042	13.5	53.6	0.94	407.2	0.002	<20	3.97	0.022	0.21	<0.1	11.6	0.18	<0.02	43
TRP932882	0.21	50	0.4	0.043	11.7	40.8	0.81	335.9	0.002	<20	3.57	0.018	0.18	<0.1	9.5	0.18	<0.02	28
TRP932883	0.37	62	0.54	0.055	16.4	53.8	1.1	518.6	0.004	<20	3.84	0.022	0.23	<0.1	10.6	0.2	<0.02	74
TRP932885	0.31	61	0.61	0.051	11.7	56.4	0.99	517	0.002	<20	3.49	0.025	0.21	<0.1	10.6	0.18	<0.02	57
TRP932886	0.37	104	0.64	0.092	22.9	77.3	1.02	515.7	0.014	<20	4.88	0.019	0.14	<0.1	20	0.18	<0.02	92
Trp932887	0.2	61	0.81	0.055	14.7	51.7	1.09	397	0.004	<20	3.93	0.028	0.2	<0.1	12.3	0.19	<0.02	47
TRP932888	0.27	69	0.34	0.199	17.7	46	0.98	839.7	0.018	<20	5.86	0.051	0.17	<0.1	13.7	0.32	<0.02	50
TRP932889	0.32	82	0.74	0.073	27.2	54.4	1.19	707.8	0.012	<20	5.6	0.034	0.17	<0.1	20.5	0.31	<0.02	65
TRP932890	0.24	76	0.54	0.077	13.8	51	1	333.2	0.009	<20	4.38	0.025	0.17	<0.1	7.2	0.18	<0.02	44
TRP932891	0.24	62	0.62	0.051	20.8	51.5	1.05	319.2	0.007	<20	4.14	0.026	0.21	<0.1	10.8	0.22	<0.02	32
TRP932892	0.21	53	0.62	0.05	15	52.5	0.98	310.2	0.003	<20	3.89	0.024	0.17	<0.1	10.5	0.18	<0.02	24
TRP932893	0.4	63	0.42	0.059	14.4	49.9	0.94	345.9	0.006	<20	4.65	0.023	0.15	<0.1	7.1	0.18	<0.02	27
TRP932894	0.15	50	0.42	0.044	11	47	0.99	313.8	0.003	<20	4.07	0.021	0.16	<0.1	7.7	0.16	<0.02	22
TRP932896	0.27	108	0.53	0.078	16.4	57.8	0.96	409.4	0.014	<20	5.11	0.033	0.15	<0.1	8.8	0.2	<0.02	51
TRP932897	0.18	67	0.53	0.08	14	52.3	0.92	351.5	0.006	<20	4.68	0.019	0.16	<0.1	10.3	0.18	<0.02	38
TRP932898	0.2	83	0.55	0.164	15.3	46.6	1.01	424.5	0.009	<20	5.31	0.03	0.16	<0.1	8.2	0.16	<0.02	33
TRP932899	0.28	88	0.44	0.142	21.1	56.9	1.03	723.5	0.011	<20	6.43	0.031	0.13	<0.1	13.2	0.22	<0.02	55
TRP932900	0.3	76	0.35	0.228	19.8	48	0.93	655.7	0.015	<20	7.22	0.027	0.16	<0.1	11.7	0.22	<0.02	67

Sample Number	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Pd ppb	Pt ppb
SRP095360	0.2	0.03	13.4	2.46	<0.1	0.03	0.26	19.7	0.7	<0.05	1.1	5.58	18.5	0.07	<1	1	30.8	<10	<2
TA095369	0.2	0.05	9	4.07	<0.1	0.09	0.12	23.8	0.6	<0.05	2.4	20.57	36.3	0.07	<1	1.1	23.9	<10	<2
TA095370	0.2	0.07	11.8	3.41	<0.1	0.03	0.33	20.5	0.7	<0.05	0.9	4.58	25.5	0.06	<1	0.9	23.3	<10	<2
TA095371	0.2	0.06	10	4.91	<0.1	0.17	0.09	22.5	0.7	<0.05	3.3	24.47	24.3	0.08	<1	1.1	24.8	<10	<2
TA095901	0.2	0.06	8.5	5.03	<0.1	0.06	0.03	18.4	0.7	<0.05	1.5	9.27	19.8	0.07	<1	1	14.6	<10	<2
TA095902	0.2	0.03	9	4.49	<0.1	0.05	0.05	20	0.7	<0.05	1.4	17.36	18.5	0.08	<1	1.2	23.1	<10	<2
TA095903	<0.1	0.04	8.2	22.83	<0.1	0.03	<0.02	34.5	0.6	<0.05	0.6	7.06	29.1	0.04	<1	1.4	5.7	<10	<2
TA095904	0.1	0.06	8.4	2.83	<0.1	<0.02	0.04	14.7	0.5	<0.05	0.4	8.95	29.1	0.05	<1	0.9	14	<10	<2
TA095905	0.3	0.11	8.3	4.14	<0.1	0.04	0.04	14.8	0.6	<0.05	1.5	13.65	24.2	0.06	3	1.2	17.5	<10	<2
TA095906	0.4	0.15	10	3.32	<0.1	0.04	0.09	20.3	0.6	<0.05	1.9	10.45	68.7	0.07	<1	1.2	17.8	<10	<2
TA095907	0.2	0.14	13.7	2.22	<0.1	0.04	0.23	19.1	0.8	<0.05	1.4	4.65	27.6	0.06	<1	0.7	21.5	<10	<2
TA095908	0.2	0.09	9.3	6.91	<0.1	<0.02	0.39	22.6	0.6	<0.05	0.5	6.61	32.2	0.05	<1	1.3	29.9	<10	<2
TA095910	0.2	0.08	7.7	2.5	<0.1	0.05	0.21	21	0.6	<0.05	1.5	10.04	41.7	0.07	<1	0.7	31	<10	<2
TA095911	0.3	0.15	8.7	2.75	<0.1	0.09	0.05	17.7	0.7	<0.05	2.2	21.22	26.5	0.08	<1	1.1	21	<10	<2
TA095912	0.3	0.16	9.2	2.47	<0.1	0.02	0.03	19.3	0.7	<0.05	0.8	18.2	28.1	0.09	<1	1.1	14.7	<10	<2
TA095913	0.3	0.15	8.7	2	<0.1	0.1	0.19	15.4	0.7	<0.05	2.9	17.47	40.8	0.07	<1	0.9	24	<10	<2
TA095914	0.2	0.09	8.4	2.17	<0.1	<0.02	0.14	16.2	0.6	<0.05	0.8	4.8	26.6	0.06	<1	0.6	18.9	<10	<2
TA095915	0.1	0.09	8.4	2.33	<0.1	0.04	0.13	14.1	0.6	<0.05	1.5	3.32	20.8	0.07	<1	0.7	17.2	<10	<2
TA095916	0.5	0.05	12.6	2.14	<0.1	0.12	0.12	12.6	0.7	<0.05	6.2	16.82	176.5	0.09	<1	1.1	19.4	<10	<2
TA095917	0.3	<0.02	10.2	2.5	<0.1	0.08	<0.02	17.4	0.7	<0.05	2.1	16.73	29	0.08	<1	0.9	17.6	<10	<2
TA095918	0.4	0.03	11.1	2.1	<0.1	0.04	0.17	15.5	0.6	<0.05	1.4	10.93	36.4	0.08	<1	1	24	<10	<2
TA095919	0.2	0.07	9.5	2.98	<0.1	<0.02	0.03	18.2	0.6	<0.05	0.6	13.72	28.4	0.06	<1	0.8	19.7	<10	<2
TA095920	0.3	0.12	8.9	1.67	<0.1	0.04	0.19	17.5	0.6	<0.05	1	7.52	42.5	0.06	<1	0.8	22.5	<10	<2
TA095921	0.2	0.03	9.4	2.23	<0.1	0.03	0.22	19.5	0.6	<0.05	1	14.62	37.8	0.07	1	0.9	22.7	<10	<2
TA095922	0.4	0.03	9.1	2.75	<0.1	0.08	0.08	14.7	0.6	<0.05	2.6	14.83	23	0.08	<1	0.8	25.2	<10	<2
TA095923	0.5	0.04	11	2.96	<0.1	0.04	0.22	18.2	0.8	<0.05	1.6	9.76	25.6	0.1	<1	1	28.5	<10	<2
TA095924	0.2	0.04	8.3	2.88	<0.1	<0.02	0.07	15.5	0.5	<0.05	0.7	9.36	41.6	0.07	<1	0.9	21.3	<10	<2
TA095925	0.2	0.04	10.1	3.42	<0.1	0.04	0.02	13.5	0.7	<0.05	1	10.99	16	0.09	1	1.1	30.4	<10	<2
TA932831	<0.1	0.09	7.3	5.85	<0.1	0.02	0.02	16.1	0.6	<0.05	0.5	14.64	21.8	0.07	<1	1.1	11.4	<10	<2
TA932832	0.3	0.21	7.6	5.82	<0.1	0.12	0.04	17.7	0.7	<0.05	3.1	28.9	22.9	0.11	<1	1.2	31.7	<10	<2

Sample Number	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Pd ppb	Pt ppb
TA932833	<0.1	0.11	4.1	7.01	<0.1	<0.02	<0.02	13.5	0.5	<0.05	0.2	11.61	30.8	0.04	2	1	8.6	<10	<2
TA932834	0.2	0.18	9.1	4.37	<0.1	0.02	0.03	15.6	0.6	<0.05	0.9	19.23	50.4	0.08	<1	1	13.4	<10	<2
TA932835	0.2	0.05	9.5	2.47	<0.1	0.1	0.05	15.6	0.9	<0.05	4.1	23.57	40.3	0.07	<1	1.1	17.8	<10	<2
TA932836	0.2	0.03	10.4	2.6	<0.1	0.05	0.12	15.8	0.7	<0.05	2.6	10.81	36	0.08	<1	1	22.7	<10	<2
TA932837	0.5	0.05	9.8	2.62	<0.1	0.07	0.07	14.3	0.7	<0.05	2.1	13.91	39.1	0.08	<1	0.7	23.6	<10	<2
TA932838	0.3	0.03	9.4	2.89	<0.1	0.04	0.11	14.9	0.5	<0.05	1.8	7.56	34.4	0.07	<1	0.8	23.2	<10	<2
TA932839	0.3	0.04	9.7	3.16	<0.1	0.1	0.07	16.7	0.7	<0.05	2.1	10.3	19.6	0.08	<1	0.8	19.5	<10	<2
TA932840	0.4	0.05	9.3	2.7	<0.1	0.03	0.13	15.6	0.7	<0.05	1.2	9.1	50	0.08	2	0.9	23.9	<10	<2
TA932841	0.3	0.08	9.7	4.79	<0.1	0.07	0.04	15.9	0.7	<0.05	1.8	16.41	16	0.09	<1	1.1	23.3	<10	<2
TA932842	0.3	0.08	9.5	2.69	<0.1	0.04	0.05	14	0.6	<0.05	1.2	8.17	24.8	0.07	<1	0.9	24.2	<10	<2
TA932843	0.2	0.12	9.2	3.05	<0.1	0.03	0.04	18.2	0.7	<0.05	1	16.25	40.3	0.08	<1	1	24	<10	<2
TA932844	<0.1	0.06	9.7	2.61	<0.1	0.04	0.17	19.8	0.7	<0.05	1.1	7.11	52.7	0.07	<1	1	26.4	<10	<2
TA932845	0.2	0.07	10.1	3.04	<0.1	0.09	0.16	20.8	0.7	<0.05	2.1	16.18	58.8	0.09	<1	1.1	24	<10	<2
TP932847	1.5	0.37	7.2	3.95	<0.1	0.05	0.25	12.8	0.5	<0.05	3.1	6.96	21.8	0.1	<1	0.7	9.3	<10	<2
TP932848	0.9	0.2	7.1	3.47	<0.1	0.02	0.33	13.4	0.4	<0.05	1.4	7.92	20.9	0.1	<1	0.9	15.4	<10	<2
TP932849	0.7	0.16	7.3	3.27	<0.1	0.02	0.45	14.3	0.4	<0.05	1	9.27	22.2	0.1	<1	0.7	17.2	<10	<2
TRP095351	0.2	0.04	10.2	2.4	<0.1	<0.02	0.17	17.5	0.5	<0.05	1	6.29	22.5	0.05	<1	0.9	29.2	<10	<2
TRP095352	0.3	0.05	10	2.62	<0.1	<0.02	0.06	16.9	0.5	<0.05	0.7	8.16	30.3	0.05	<1	1	25.3	<10	<2
TRP095353	0.1	0.06	11.2	3.42	<0.1	0.03	0.02	17.7	0.5	<0.05	0.8	16.36	24.7	0.08	<1	1.1	28.3	<10	<2
TRP095354	<0.1	0.04	11.3	3.21	<0.1	0.03	<0.02	17.7	0.4	<0.05	0.6	14.33	20.9	0.1	<1	1.4	29	<10	<2
TRP095355	<0.1	0.04	11.2	3.45	<0.1	<0.02	<0.02	18.7	0.5	<0.05	0.4	13.86	23.5	0.08	<1	1.1	27.6	<10	<2
TRP095356	0.2	<0.02	13.5	2.57	<0.1	<0.02	0.1	23.7	0.6	<0.05	0.1	4.55	15.3	0.07	<1	1	31.6	<10	<2
TRP095357	0.1	<0.02	9.4	1.98	<0.1	<0.02	0.1	15.6	0.5	<0.05	0.3	5.44	19.9	0.05	<1	0.6	25	<10	<2
TRP095358	0.3	0.04	10.3	2.67	<0.1	0.02	0.07	16.2	0.5	<0.05	0.7	7.81	29.5	0.06	<1	0.9	24.7	<10	<2
TRP095361	0.1	<0.02	11.7	2.95	<0.1	0.08	0.03	16.5	0.6	<0.05	3.1	10.53	27.8	0.07	<1	0.9	20.4	<10	<2
TRP095362	0.3	0.03	10.6	2.09	<0.1	0.06	0.11	14.6	0.6	<0.05	2.5	8.6	39.6	0.07	<1	0.9	21.8	<10	<2
TRP095363	0.2	0.03	11	2.49	<0.1	0.04	0.07	19.5	0.6	<0.05	1.5	8.25	46.1	0.07	<1	0.9	18.9	<10	<2
TRP095364	0.2	0.04	11.4	1.27	<0.1	0.04	0.08	17.4	0.5	<0.05	1.8	7.44	86.9	0.07	<1	1	18.8	<10	<2
TRP095365	0.1	0.06	12.3	2.16	<0.1	0.09	0.22	15.5	0.5	<0.05	3.8	8.85	52	0.07	<1	0.9	24.6	<10	<2
TRP095366	<0.1	0.04	12.1	2.51	<0.1	0.09	0.07	11.6	0.6	<0.05	3	43.76	123.9	0.08	<1	1.3	37.5	<10	<2

Sample Number	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Pd ppb	Pt ppb
TRP095367	0.2	0.07	14.1	2.58	<0.1	0.1	0.13	15.7	0.7	<0.05	4.4	11.13	66.7	0.08	<1	1.4	25.8	<10	<2
TRP095368	<0.1	0.03	10.7	3.66	<0.1	0.06	<0.02	15	0.8	<0.05	1.6	17.25	36.5	0.07	<1	0.8	24.3	<10	<2
TRP095372	<0.1	0.04	10.7	2.43	<0.1	0.1	0.02	14.9	0.6	<0.05	3.8	15.42	57.3	0.08	<1	0.9	18.3	<10	<2
TRP095373	0.1	0.02	11.9	1.2	<0.1	0.18	0.21	11.7	0.9	<0.05	6	19.65	54.8	0.08	1	1	28	<10	<2
TRP095374	0.2	0.08	13.9	1.87	<0.1	0.18	0.07	14.9	0.6	<0.05	7.3	16.94	160.2	0.08	<1	1.3	20.3	<10	<2
TRP932801	0.1	0.03	10.2	3.03	<0.1	<0.02	0.1	15.3	0.6	<0.05	0.7	7.17	24.8	0.07	1	0.8	21	<10	<2
TRP932802	0.2	0.06	10.6	2.61	<0.1	0.02	0.13	16.8	0.6	<0.05	0.6	6.78	27	0.07	<1	0.9	25.4	<10	<2
TRP932803	0.4	0.05	13.3	3.03	<0.1	0.05	0.31	23.7	0.7	<0.05	1.3	12.32	66	0.06	1	1.2	28.1	<10	<2
TRP932804	0.2	0.05	16.8	3.09	<0.1	0.05	0.42	21.4	1	<0.05	2.2	7.76	30.1	0.08	<1	0.8	32	<10	<2
TRP932805	0.1	0.04	14.6	3.28	<0.1	0.04	0.27	23.5	0.8	<0.05	1.8	5.87	22.5	0.08	<1	1	28.4	<10	<2
TRP932806	<0.1	<0.02	12.3	3.04	<0.1	0.18	<0.02	18.8	1	<0.05	9.3	18.4	73.5	0.07	<1	1.2	13.9	<10	<2
TRP932807	0.1	<0.02	13.8	2.22	<0.1	0.02	0.2	28	0.9	<0.05	0.9	7.09	39.1	0.06	<1	0.6	27.5	<10	<2
TRP932808	0.4	0.1	16.7	2.77	<0.1	0.16	0.22	15.9	0.7	<0.05	7.2	13.78	92.7	0.1	<1	1.8	22.1	<10	<2
TRP932809	<0.1	<0.02	14.1	2.5	<0.1	0.04	0.31	23.9	0.9	<0.05	1.1	6.03	22.8	0.06	<1	1	31.5	<10	<2
TRP932810	0.2	0.05	15	2.54	<0.1	0.02	0.51	27.2	0.8	<0.05	1.2	4.44	23.7	0.08	<1	1.2	30.8	<10	<2
TRP932811	0.1	0.04	10.3	1.77	<0.1	<0.02	0.03	16.2	0.5	<0.05	0.4	5.3	35.2	0.05	<1	1	24.7	<10	<2
TRP932812	0.1	0.06	11.7	2.95	<0.1	0.05	0.03	18.5	0.7	<0.05	1.1	20.94	29.8	0.08	1	1.1	27.8	<10	<2
TRP932813	0.2	0.04	11	2.01	<0.1	0.04	0.07	14.6	0.6	<0.05	1.1	12.27	100.1	0.07	2	1.2	26.8	<10	<2
TRP932815	0.3	<0.02	10.7	1.79	<0.1	0.08	0.12	13.7	0.4	<0.05	2.1	10.44	72.6	0.08	<1	0.9	22.7	<10	<2
TRP932816	0.2	0.03	9.6	1.74	<0.1	0.05	0.05	12.1	0.4	<0.05	1.8	26.28	46.9	0.06	<1	0.8	31.3	<10	<2
TRP932817	0.1	0.06	11.3	3.33	<0.1	0.03	0.06	14.4	0.6	<0.05	1.1	8.19	22.9	0.09	<1	1	21.4	<10	<2
TRP932818	0.2	0.07	11	3.07	<0.1	0.03	0.04	14.6	0.7	<0.05	1.1	12.03	20.1	0.09	<1	1	21.1	<10	<2
TRP932819	0.2	0.07	9.5	2.85	<0.1	<0.02	0.06	13.2	0.5	<0.05	0.4	10.73	33.3	0.06	<1	1.1	22.7	<10	<2
TRP932820	0.3	0.11	10.1	2.18	<0.1	0.02	0.1	13.3	0.5	<0.05	0.4	7.31	24.3	0.07	<1	1	22.3	<10	<2
TRP932822	0.1	0.03	11.1	2.47	<0.1	0.11	0.05	17.9	0.5	<0.05	5.1	12.4	77.9	0.07	<1	0.9	16.3	<10	<2
TRP932823	<0.1	0.03	10.6	3.12	<0.1	0.11	0.03	21.4	0.5	<0.05	4.2	10.25	42.4	0.07	<1	1	18.3	<10	<2
TRP932824	0.2	0.05	10.6	2.51	<0.1	0.09	0.03	16.7	0.6	<0.05	4.5	14.7	64.1	0.08	<1	1	18.9	<10	<2
TRP932825	0.1	0.06	10.4	2.38	<0.1	0.25	0.04	18.5	0.7	<0.05	7.4	27.03	77.6	0.08	<1	1.1	17.9	<10	<2
TRP932826	0.2	0.04	11.8	1.67	<0.1	0.18	0.11	16.5	0.6	<0.05	7.2	21.41	130.1	0.08	<1	1.2	19.9	<10	<2
TRP932827	0.2	0.05	10.9	2.3	<0.1	0.15	0.09	21	0.6	<0.05	6.4	23.06	118	0.09	<1	1.2	22.8	<10	<2

Sample Number	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Pd ppb	Pt ppb
TRP932828	0.1	0.05	11.1	1.46	<0.1	0.19	0.11	17.3	0.6	<0.05	7	18.54	125.4	0.08	<1	1	23.8	<10	<2
TRP932829	0.2	0.03	10.9	2.52	<0.1	0.05	0.06	18.4	0.5	<0.05	2.2	9.4	58.8	0.06	1	1	19.8	<10	<2
TRP932851	0.2	0.05	10.3	2.32	<0.1	<0.02	0.13	17.6	0.6	<0.05	0.6	8.4	27.9	0.06	<1	0.9	25.9	<10	<2
TRP932852	0.2	0.05	10.4	2.05	<0.1	0.03	0.19	18.7	0.6	<0.05	0.7	5.99	27.7	0.07	1	0.7	25.7	<10	<2
TRP932853	0.1	<0.02	11.8	2.3	<0.1	0.08	0.04	19.1	0.6	<0.05	1.8	23.54	28.8	0.07	<1	1.1	21.3	<10	<2
TRP932854	0.2	<0.02	13.5	1.79	<0.1	0.09	0.44	24.9	0.7	<0.05	2.4	3.57	22.5	0.06	<1	1	20.5	<10	<2
TRP932855	0.3	<0.02	15.2	2.77	<0.1	0.11	0.35	22.9	0.8	<0.05	3.7	16.1	39.8	0.08	<1	1.1	38.5	<10	<2
TRP932856	0.3	0.06	21	2.69	<0.1	0.08	1.35	19.3	1.1	<0.05	3	10.68	30.6	0.08	1	1.4	31.4	<10	<2
TRP932857	0.3	0.07	15.1	1.83	<0.1	0.07	0.72	18.9	0.7	<0.05	3	9.24	32.6	0.08	<1	1.3	21.4	<10	<2
TRP932858	0.3	0.03	17.2	3.85	<0.1	0.06	0.64	21.6	1.2	<0.05	2.7	11.17	39.5	0.1	<1	0.9	33.5	<10	<2
TRP932859	0.2	0.04	10.7	2.5	<0.1	0.03	0.07	19.2	0.6	<0.05	1.8	10.92	42.1	0.08	<1	1	22.9	<10	<2
TRP932861	0.1	0.05	7.6	1.95	<0.1	<0.02	0.07	14.4	0.4	<0.05	0.5	7.7	49.8	0.06	<1	0.9	19.3	<10	<2
TRP932862	<0.1	0.02	9.9	1.79	<0.1	0.02	0.2	15.7	0.5	<0.05	0.8	6.6	23.1	0.05	<1	0.9	26.3	<10	<2
TRP932863	0.2	0.03	9.4	2.17	<0.1	<0.02	0.12	13.6	0.3	<0.05	0.6	10.04	38.4	0.07	<1	1.1	23.9	<10	<2
TRP932864	0.3	0.05	8.9	1.62	<0.1	<0.02	0.15	13.4	0.3	<0.05	0.6	8.76	32.7	0.06	<1	0.9	25.3	<10	<2
TRP932865	0.2	0.05	9	1.76	<0.1	<0.02	0.09	12.8	0.2	<0.05	0.5	9.24	24.4	0.05	<1	0.9	24.5	<10	<2
TRP932866	0.1	0.04	8.3	2.16	<0.1	<0.02	0.1	16.1	0.2	<0.05	0.7	7.15	21	0.05	<1	0.8	20.2	<10	<2
TRP932867	0.3	0.03	8.7	2.59	<0.1	0.03	0.05	12.8	0.3	<0.05	1	11.72	20.9	0.06	<1	0.8	20.9	<10	<2
TRP932868	0.1	0.05	9.2	1.76	<0.1	<0.02	0.07	13.8	0.3	<0.05	0.7	4.08	22.6	0.05	<1	0.9	20.4	<10	<2
TRP932869	0.2	0.06	11.2	3.3	<0.1	0.05	0.04	16.1	0.4	<0.05	1.5	19.2	26.1	0.07	<1	1.1	26.1	<10	<2
TRP932870	0.2	0.08	11	2.59	<0.1	<0.02	0.06	19.2	0.5	<0.05	0.7	7.83	49.9	0.07	<1	0.9	22.5	<10	<2
TRP932871	0.3	0.04	10.5	2.26	<0.1	0.06	0.05	13.5	0.4	<0.05	1.9	20.24	67.3	0.06	<1	1	21.4	<10	<2
TRP932872	0.1	0.06	9.7	1.97	<0.1	<0.02	0.03	14	0.3	<0.05	0.8	16.13	50.5	0.06	<1	0.9	22.8	<10	<2
TRP932873	0.2	<0.02	10.7	2.12	<0.1	0.04	0.04	17	0.4	<0.05	1	15.95	34.7	0.06	<1	1	20.1	<10	<2
Trp932874	<0.1	<0.02	9.7	2.61	<0.1	<0.02	<0.02	22.1	0.3	<0.05	0.4	22.3	37.2	0.07	<1	1	21.1	<10	<2
TRP932875	0.2	0.05	10.1	2.33	<0.1	0.04	0.09	17	0.3	<0.05	1.1	8.54	33.6	0.06	<1	1	24.5	<10	<2
Trp932876	0.2	0.03	9.4	2.82	<0.1	<0.02	0.03	15.8	0.3	<0.05	0.3	12.5	27.3	0.07	<1	0.8	22.3	<10	<2
TRP932877	0.1	0.05	9.3	3.01	<0.1	<0.02	<0.02	15.6	0.3	<0.05	0.3	16.83	22.4	0.07	<1	0.9	23.6	<10	<2
TRP932879	0.2	0.04	10	2.66	<0.1	<0.02	<0.02	14.1	0.6	<0.05	0.3	11.05	21.3	0.07	<1	1.1	23.5	<10	<2
TRP932880	0.2	0.04	9.6	2.44	<0.1	<0.02	0.06	13.9	0.3	<0.05	0.4	6.37	26.7	0.05	<1	0.8	25.3	<10	<2

Sample Number	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Pd ppb	Pt ppb
TRP932881	0.1	0.03	9.5	2.39	<0.1	<0.02	<0.02	12.7	0.2	<0.05	0.4	10.75	27.3	0.06	<1	1	23.3	<10	<2
TRP932882	0.1	0.03	7.9	2.53	<0.1	<0.02	0.02	14.3	0.2	<0.05	0.3	7.86	25	0.05	<1	0.8	18	<10	<2
TRP932883	0.2	0.11	9.6	3.5	<0.1	0.03	0.03	15.1	0.3	<0.05	0.6	10.93	32.3	0.08	<1	1	21.2	<10	<2
TRP932885	0.2	0.06	8.8	2.68	<0.1	<0.02	<0.02	12.6	0.3	<0.05	0.2	13.46	21.7	0.07	<1	1	24.1	<10	<2
TRP932886	0.1	0.02	11.6	1.44	<0.1	0.07	0.04	9.2	0.6	<0.05	2.8	26.71	96.9	0.09	<1	1.2	19.6	<10	<2
Trp932887	0.1	0.04	9.1	2.67	<0.1	<0.02	0.02	14.4	0.3	<0.05	0.5	15.48	28.3	0.07	<1	0.8	21.7	<10	<2
TRP932888	0.2	0.03	13.2	1.84	<0.1	0.12	0.07	12.5	0.5	<0.05	4.2	17.57	85.4	0.09	<1	1.3	20.5	<10	<2
TRP932889	0.3	0.02	12.1	2.55	<0.1	0.17	0.07	13.7	0.6	<0.05	5.2	36.02	104.3	0.09	<1	1.2	26	<10	<2
TRP932890	0.2	0.03	10.7	1.86	<0.1	0.08	0.12	15.6	0.4	<0.05	2.6	9.72	63.3	0.05	<1	0.8	25.2	<10	<2
TRP932891	0.2	0.03	10.1	1.93	<0.1	0.08	0.05	15.6	0.3	<0.05	2.8	14.36	73.2	0.06	<1	1	22.8	<10	<2
TRP932892	0.1	0.04	8.7	1.85	<0.1	0.03	0.03	12.3	0.3	<0.05	1.2	10.29	34.2	0.07	<1	0.9	20.4	<10	<2
TRP932893	0.2	0.04	10.3	2.07	<0.1	0.06	0.05	13.8	0.3	<0.05	1.7	8.32	42	0.07	<1	0.9	22.1	<10	<2
TRP932894	0.2	<0.02	8.7	2.17	<0.1	<0.02	0.03	13.1	0.2	<0.05	0.7	6.09	30.1	0.06	<1	0.7	21.3	<10	<2
TRP932896	0.2	0.05	13	2.06	<0.1	0.09	0.2	17.3	0.6	<0.05	3.4	12.3	51.5	0.08	<1	1	27.9	<10	<2
TRP932897	0.2	0.06	11.1	2.06	<0.1	0.05	0.04	18	0.5	<0.05	1.5	7.73	39.8	0.07	<1	0.9	21.2	<10	<2
TRP932898	0.1	0.05	12.9	2.29	<0.1	0.07	0.2	18	0.7	<0.05	3	15.85	132	0.07	<1	1	34.1	<10	<2
TRP932899	0.1	0.05	14.1	2.21	<0.1	0.05	0.06	13.6	0.6	<0.05	2.8	18.79	100.9	0.09	<1	1.4	26	<10	<2
TRP932900	0.2	0.07	15.3	2.43	<0.1	0.08	0.11	15	0.6	<0.05	4.2	17.9	111.8	0.09	<1	1.4	23.5	<10	<2

Appendix 4: 2011 Poplar Soil Samples – Copper Pond East

Sample Number	Easting	Northing	Elevation	Horizon	Depth cm	Slope angle	Color	% Course Fragments	Fragment Shape	Vegetation	Organic %	Date
SA095871	632102	5996009										30/6/11
SCP095551	627999	5977468	1132 m	B	58	FLAT	Choc brn	0		cf	65	4/7/11
SCP095552	628002	5977992	1079 m	B	49	F	Rusty brn	5	sub rnd	cf	15	4/7/11
SCP095553	628008	5977969	1077 m	B	30	F	rusty brn	5	sub ang	cf	15	4/7/11
SCP095554	627999	5977951	1087 m	B	29	F	rusty brn-grey	10	sub ang	cf	15	4/7/11
SCP095555	628003	5977920	1077 m	B	35	F	choc light brown	15	sub rnd	cf	45	4/7/11
SCP095556	628005	5977896	1075 m	B	30	F	Choc brn	10	sub rnd	cf	65	4/7/11
SCP095557	628002	5977874	1087 m	B	28	F	Rusty brn	20	sub rnd	cf	55	4/7/11
SCP095558	628002	5977852	1092 m	B	35	F	Med brown	5	sub rnd	cf	35	4/7/11
SCP095559	627998	5977823	1095 m	B	18	F	Rusty brn	5	sub rnd	cf	5	4/7/11
SCP095560	628006	5977799	1092 m	B	43	F	Choc brn	0	-	cf	35	5/7/11
SCP095561	628009	5977772	1098 m	B	35	F	Choc brn	0	-	cf	40	5/7/11
SCP095562	628006	5977745	1091 m	B	35	F	light rusty brn	>5	sub ang	cf	15	5/7/11
SCP095563	628017	5977728	1099 m	B	22	F	light rusty brn	>10	sub rnd	cf	5	5/7/11
SCP095564	628000	5977689	1100 m	B	28	F	choc brn	5	sub ang	cf	>5	5/7/11
SCP095565	628001	5977679	1105 m	B	39	F	choc brn	>10	sub rnd	cf	60	5/7/11
SCP095566	628003	5977600	1115 m	B	48	F	drk brn	0	-	cf	75	5/7/11
SCP095567	628001	5977250	1177 m	B	35	F	light rusty brn	5	sub rnd	cf	5	5/7/11
SCP095568	627996	5977139	1184 m	B	25	F	light brn	30	sub rnd-sub ang	cf	5	5/7/11
SCP095569	628004	5977100	1196 m	B	25	F	light rusted brn	5	sub rnd	cf	5	5/7/11
SCP095570	628014	5977047	1203 m	B	20	F	light brn	5	sub ang	cf	15	5/7/11
SCP095571	628007	5977000	1201 m	B	35	F	light brn	40	sub ang	cf	15	5/7/11
SCP095573	628008	5976113	1198 m	B	25	GENTLE	med brown	5	sub ang	cf	3	6/7/11
SCP095574	628000	5976150	1186 m	B	13	G	med brown	7	sub ang	cf	7	6/7/11
SCP095575	628007	5976202	1213 m	B	24	G	med grey brown	5	sub ang	cf	3	6/7/11
SCP095576	628002	5976252	11205 m	B	19	G	rusty brown	2	sub rnd	cf	5	6/7/11
SCP095578	627999	5976975		B	26	F	rusty brn	7	Sub rnd	CF	5	7/7/11
SCP095579	628001	5976946		B	18	F	rusty brn	7	sub rnd	CF	0-5	7/7/11

Sample Number	Easting	Northing	Elevation	Horizon	Depth cm	Slope angle	Color	% Course Fragments	Fragment Shape	Vegetation	Organic %	Date
SCP095580	627999	5976924		B	24	F	brn	5	sub rnd	CF	5	7/7/11
SCP095582	627996	5976899		B	20	F	reddish brn	0-5	sub rnd	CF	0-5	7/7/11
SCP095583	628001	5976871		B	23	F	light brn	5	sub rnd	CF	5	7/7/11
SCP095584	628005	5976843		B	30	G	light brn	10-15	sub rnd	CF	5	7/7/11
SCP095586	628001	5976823		B	18	G	rusty brn	10-15	sub ang	CF	0-5	7/7/11
SCP095587	628002	5976802		B	20	G	rusty brn	15	sub ang	CF	0-5	7/7/11
SCP095589	627996	5976776		B	23	G	rusty brn	5-10	sub ang	CF	0-5	7/7/11
SCP095590	627999	5976747		B	18	F	rusty red	5	sub rnd	CF	7	7/7/11
SCP095591	628011	5976726		B	18	F	rusty red	3	sub ang	CF	3	7/7/11
SCP095592	628033	5976702		B	29	STEEP	rusty red	8	sub ang	CF	7	7/7/11
SCP095594	628041	5976665		B	37	F	rusty brn	17	Sub rnd	CF	10	7/7/11
SCP095595	628045	5976654		B	26	G	rusty red	7	Sub rnd	CF	3	7/7/11
SCP095596	628053	5976622		B	28	F	rusty brn	7	Sub rnd	CF	3	7/7/11
SCP095598	628069	5976600		B	30	F	med brn	3	sub ang	CF	40	7/7/11
SCP095599	628095	5976567		B	26	F	light rusty brn	7	sub rnd	CF	7	7/7/11
SCP095600	628109	5976547		B	20	F	med brn	3	sub ang	CF	7	7/7/11
SCP095602	628102	5976527		B	40	F	med red brn	10	sub rnd	CF	3	7/7/11
SCP095603	628087	5976501		B	30	F	med brn	10	sub ang	CF	3	7/7/11
SCP095604	628082	5976467		B	21	F	light reddish brn	7	sub rnd	CF	5	7/7/11
SCP095605	628007	5976450		B	20	F	light reddish brn	7	sub rnd	CF	3	7/7/11
SCP095607	627998	5976428		B	18	F	med reddish brn	3	sub ang	CF	3	7/7/11
SCP095608	628006	5976396		B	21	F	med brn	3	sub ang	CF	3	7/7/11
SCP095609	628002	5976374		B	23	F	rusty brn	10	sub rnd	CF	3	7/7/11
SCP095611	628001	5976345		B	29	F	light brn	7	sub ang	CF	7	7/7/11
SCP095612	628000	5976325		B	20	F	light brn	10	sub rnd	CF	7	7/7/11
SCP095613	628001	5976297		B	21	F	reddish brn	7	sub ang	CF	3	7/7/11
SCP095614	628003	5976275		B	29	F	light reddish brn	7	sub rnd	CF	3	7/7/11
SCP095616	627403	5977805	1045 m	B	24	F	yellow brown	5	sub rnd	CF	5	8/7/11
SCP095617	627400	5977695	1051 m	B	20	F	light brown	5	sub rnd	CF	5	8/7/11
SCP095618	627404	5977645	1058 m	B	20	F	light brn	6	sub rnd	CF	5	8/7/11

Sample Number	Easting	Northing	Elevation	Horizon	Depth cm	Slope angle	Color	% Course Fragments	Fragment Shape	Vegetation	Organic %	Date
SCP095619	627403	5977597	1067 m	B	30	F	light rusty brn	10	sub rnd	CF	5	8/7/11
SCP095620	627399	5977550	1078 m	B	20	F	rusty brn	15	sub rnd	CF	5	8/7/11
SCP095621	627402	5977500	1086 m	B	14	F	rusty brn	5	sub rnd	CF	5	8/7/11
SCP095622	627401	5977447	1089 m	B	20	G	rusty red	5	sub rnd-sub ang	CF	5	8/7/11
SCP095624	627406	5977398	1092 m	B	24	F	rusty red brn	5	sub rnd	CF	5	8/7/11
SCP095625	627419	5977340	1095 m	B	20	G	rusty red brn	5	sub rnd-sub ang	CF	5	8/7/11
SCP095626	627405	5977294	1097 m	B	33	G	reddish brown	10	sub rnd	CF	5	8/7/11
SCP095627	627405	5977252	1101 m	B	18	G	yellowish red	10	sub ang	CF	5	8/7/11
SCP095628	627405	5977198	1105 m	B	22	G	light brn, rusty red	5	sub rnd-sub ang	CF	5	8/7/11
SCP095629	627392	5977149	1109 m	B	21	G	reddish brown	5	sub ang	CF	5	8/7/11
SCP095631	627386	5977095	1118 m	B	26	G	rusty reddish	7	sub ang- sub rnd	CF	5	8/7/11
SCP095632	627389	5977054	1050 m	B	22	F	rusty redish brn	5	sub rnd- sub ang	CF	5	8/7/11
SCP095633	627405	5976966	1130 m	B	21	G	reddish brn	7	sub rnd- sub ang	CF	5	8/7/11
SCP095634	627398	5976001	1234 m	B	20	G	light rusty brn	5	sub ang-sub rnd	CF	5	10/7/11
SCP095635	627400	5976026	1227 m	B	20	F	light brn	5	sub ang- sub rnd	CF	5	10/7/11
SCP095636	627399	5976061	1228 m	B	24	G	light brown	5	sub rnd- sub ang	CF	5	10/7/11
SCP095637	627400	5976081	1232 m	B	25	G	light brown	5	sub rnd	CF	5	10/7/11
SCP095638	627398	5976107	1228 m	B	20	MODERATE	light brown	5	sub rnd	CF	5	10/7/11
SCP095640	627393	5976129	1228 m	B	30	M	light brown	10	sub rnd-sub ang	CF	10	10/7/11
SCP095641	627397	5976152	1214 m	B	50	G	light brown	5	sub rnd	CF	20	10/7/11
SCP095642	627399	5976182	1212 m	B	22	G	light brown	5	sub rnd	CF	5	10/7/11
SCP095643	627394	5976202	1203 m	B	24	G	light brown	5	sub ang- sub rnd	CF	5	10/7/11
SCP095645	627401	5976222	1202 m	B	25	G	light brown	5	sub round	CF	5	10/7/11
SCP095646	627396	5976245	1178 m	B	25	M	rusty brown	5	sub ang- sub rnd	CF	5	10/7/11
SCP095647	627398	5976276	1175 m	B	26	G	light brown	5	sub ang-sub rnd	CF	5	10/7/11
SCP095648	627400	5976303	1169 m	B	21	G	light brown	5	sub rnd-sub ang	CF	5	10/7/11
Scp095649	627398	5976331	1167 m	B	20	G	light rusty brown	10	sub ang- sub rnd	CF	5	10/7/11
SCP095651	628199	5977999	1083 m	B	45	F	Med brn	5	sub ang	CF	10	4/7/11
SCP095652	628199	5977950	1096 m	B	30	F	med-drk brn	10	sub ang-sub rnd	CF	20	4/7/11
SCP095653	628197	5977899	1100 m	B	30	G	med-drk brn	5	sub rnd	CF	30	4/7/11

Sample Number	Easting	Northing	Elevation	Horizon	Depth cm	Slope angle	Color	% Course Fragments	Fragment Shape	Vegetation	Organic %	Date
SCP095654	628195	5977847	1102 m	B	32	F	rusty brn	20	sub ang	CF	10	4/7/11
SCP095655	628197	5977796	1101 m	B	38	F	med-drk brn	35	sub ang	CF	5	4/7/11
SCP095656	628200	5977748	1118 m	B	52	F	dark br	40	sub ang-sub rnd	CF	30	4/7/11
SCP095657	628203	5977700	1184 m	B	40	F	dark br	30	sub ang-sub rnd	CF	10	5/7/11
SCP095658	628208	5977604	1131 m	B	39	F	dark br	0	-	CF	40	5/7/11
SCP095659	628209	5975747	1173 m	B	25	F	med brn	5	sub rnd	CF	35	5/7/11
SCP095660	628202	5975699	1174 m	B	32	F	med rust br	25	sub rnd	CF	15	5/7/11
SCP095661	628205	5975643	1176 m	B	27	F	med rust br	10	sub ang- ang	CF	10	5/7/11
SCP095662	628203	5975598	1182 m	B	21	F	med rust br	25	sub ang	CF	15	5/7/11
SCP095663	628202	5975552	1178 m	B	17	F	drk rust brn	5	sub ang	CF	5	5/7/11
SCP095664	628202	5975496	1180 m	B	30	F	dark br	10	sub rnd	CF	25	5/7/11
SCP095665	627995	5975510	1222 m	B	33	S	rust brn	10	sub ang	CF	25	5/7/11
SCP095666	628001	5975552	1205 m	B	28	G	med rust br	10	sub ang	CF	5	5/7/11
SCP095667	627999	5975603	1204 m	B	23	F	med br	5	sub rnd	CF	5	5/7/11
SCP095668	628003	5975657	1184 m	B	15	F	med rust org	10	sub ang-sub rnd	CF	10	5/7/11
SCP095669	628002	5975702	1171 m	B	30	F	med br	20	sub rnd-sub ang	CF	10	5/7/11
SCP095670	628204	5975807	1165 m	B	16	F	med brn grey	5	sub rnd	CF	5	5/7/11
SCP095671	628202	5975866	1166 m	B	28	F	med rust org	5	sub ang	CF	5	5/7/11
SCP095672	628199	5975900	1176 m	B	26	F	med grey br	35	sub ang	CF	5	5/7/11
SCP095673	628199	5975952	1182 m	B	26	F	med grey br	35	sub ang-sub rnd	CF	5	5/7/11
SCP095675	628202	5976001	1186 m	B	34	G	med rust brown	30	sub rnd	CF	5	6/7/11
SCP095676	628202	5976052	1195 m	B	28	F	med grey brn	15	sub rnd	CF	10	6/7/11
SCP095677	628204	5976103	1202 m	B	20	F	med brn grey	15	sub rnd-sub ang	CF	5	6/7/11
SCP095678	628204	5976152	1197 m	B	23	F	med brn grey	15	sub rnd sub ang	CF	5	6/7/11
SCP095679	628199	5976216	1205 m	B	18	F	med brn grey	20	sub rnd-sub ang	CF	15	6/7/11
SCP095680	628201	5976256	1206 m	B	23	F	med brn	25	sub ang-sub rnd	CF	15	6/7/11
SCP095681	628204	5976306	1207 m	B	24	F	med rust brn	10	sub rnd	CF	20	6/7/11

Sample Number	Easting	Northing	Elevation	Horizon	Depth cm	Slope angle	Color	% Course Fragments	Fragment Shape	Vegetation	Organic %	Date
SCP095682	628202	5976357	1203 m	B	28	F	med grey brn	10	sub rnd	CF	20	6/7/11
SCP095683	628202	5976401	1214 m	B	32	G	med rust red brn	5	sub ang	CF	10	6/7/11
SCP095684	628199	5976452	1215 m	B	26	G	med rust orange brn	15	sub ang	CF	15	6/7/11
SCP095685	628202	5976504	1216 m	B	23	F	med brn grey	25	sub rnd-sub ang	CF	15	6/7/11
SCP095686	628203	5976565	1213 m	B	38	F	blk	0		CF	35	6/7/11
SCP095687	628196	5976601	1226 m	B	25	G	dark brn red	5	sub ang	CF	35	6/7/11
SCP095688	628206	5976652	1238 m	B	24	G	dark brn orange	5	sub rnd-sub ang	CF	30	6/7/11
SCP095689	628207	5976712	1230 m	B	30	F	med orange brn	5	sub ang	CF	30	6/7/11
SCP095690	628200	5976754	1248 m	B	33	F	light brn	10	sub ang	CF	10	6/7/11
SCP095691	628197	5976798	1248 m	B	19	G	med rust brn red	5	sub ang	CF	10	6/7/11
SCP095692	628204	5976853	1281 m	B	22	G	med rust brn orange	10	sub ang	CF	15	6/7/11
SCP095693	628198	5976901	1271 m	B	24	S	med rust red brn	25	sub ang-a ng	CF	15	6/7/11
SCP095694	628199	5976955	1260 m	B	24	S	med rust orange brn	5	sub ang	CF	15	6/7/11
SCP095695	628202	5977001	1251 m	B	23	M	dark rust or. Red	10	sub rnd	CF	20	6/7/11
SCP095696	628202	5977053	1249 m	B	17	M	med rust red brn	5	sub ang-sub rnd	CF	25	6/7/11
SCP095697	628201	5977103	1231 m	B	23	F	dark rust red	15	sub rnd-sub ang	CF	20	6/7/11
SCP095698	628197	5977156	1221 m	B	30	S	dark rust red brn	20	sub ang sub rnd	CF	10	6/7/11
SCP095699	628203	5977200	1205 m	B	25	M	med rust red brn	20	sub ang-sub rnd	CF	10	6/7/11
SCP095700	628206	5977253	1190 m	B	28	F	dark rust red brn	15	sub ang	CF	5	6/7/11
SCP095701	628205	5977300	1178 m	B	33	F	dark rust brn	10	sub ang-ang	CF	35	6/7/11
SCP095702	628198	5977357	1175 m	B	39	F	dark orange rust brn	35	sub ang	CF	25	6/7/11
SCP095703	628206	5977404	1169 m	B	30	F	dark rust orange	35	sub ang-sub rnd	CF	15	6/7/11
SCP095704	628199	5977454	1153 m	B	17	G	dark red rust brn	25	sub ang	CF	15	6/7/11
SCP095705	628206	5977524	1139 m	B	25	F	blk(drk brn)	0		CF	65	6/7/11
SCP095706	627200	5975988	1264 m	B	31	F	med red brn	15	sub ang	CF	20	7/7/11
SCP095708	627200	5976045	1263 m	B	23	F	med rust org brn	25	sub ang-ang	CF	25	7/7/11
SCP095709	627200	5976103	1270 m	B	22	F	med brn	0		CF	20	7/7/11

Sample Number	Easting	Northing	Elevation	Horizon	Depth cm	Slope angle	Color	% Course Fragments	Fragment Shape	Vegetation	Organic %	Date
SCP095711	627200	5976154	1269 m	B	26	F	med rust brn	20	sub ang-ang	CF	15	7/7/11
SCP095712	627202	5976205	1262 m	B	30	M	med rust red brn	15	sub ang	CF	10	7/7/11
SCP095713	627203	5976250	1258 m	B	25	S	med rust red brn	15	sub rnd	CF	15	7/7/11
SCP095715	627199	5976300	1235 m	B	26	S	med rust red brn	25	sub ang-sub rnd	CF	15	7/7/11
SCP095716	627201	5976352	1213 m	B	24	G	med-drk brn	10	sub rnd-sub ang	CF	10	7/7/11
SCP095717	627198	5976402	1197 m	B	30	F	med grey brn	15	sub ang-sub rnd	CF	15	7/7/11
SCP095718	627200	5976454	1190 m	B	32	F	med rust org brn	15	sub ang-sub rnd	CF	5	7/7/11
SCP095720	627203	5976498	1175 m	B	24	G	med red brn	20	sub rnd	CF	5	7/7/11
SCP095721	627200	5976550	1157 m	B	25	F	med rust org brn	25	sub ang	CF	15	7/7/11
SCP095723	627201	5976599	1145 m	B	23	F	med rust brn	15	sub ang	CF	5	7/7/11
SCP095724	627203	5976650	1143 m	B	26	F	med brn	30	sub rnd	CF	20	7/7/11
SCP095725	627202	5976702	1125 m	B	24	F	med brn	20	sub rnd	CF	15	7/7/11
SCP095727	627198	5976750	1134 m	B	24	F	choc brn	0		CF	5	7/7/11
SCP095728	627204	5976801	1115 m	B	24	F	choc brn	20	sub ang-sub rnd	CF	10	7/7/11
SCP095729	627198	5976906	1110 m	B	35	F	med grey brn	25	sub rnd	CF	5	7/7/11
SCP095731	627202	5976954	1116 m	B	22	F	med brn	15	sub rnd	CF	15	7/7/11
SCP095732	627202	5977805	1050 m	B	35	F	dark rust org brn	25	sub ang	CF	5	8/7/11
SCP095733	627204	5977743	1038 m	B	23	F	med rust org brn	35	sub ang	CF	5	8/7/11
SCP095734	627207	5977701	1041 m	B	20	F	med rust org brn	25	sub ang	CF	5	8/7/11
SCP095735	627201	5977650	1042 m	B	33	F	med rust org brn	30	sub ang-sub rnd	CF	10	8/7/11
SCP095736	627203	5977597	1058 m	B	26	F	med rust orange brn	5	sub ang	CF	10	8/7/11
SCP095737	627203	5977552	1060 m	B	32	F	med orange brn	10	sub ang	CF	15	8/7/11
SCP095739	627200	5977495	1059 m	B	29	F	med rust brn	15	sub ang-sub rnd	CF	15	8/7/11
SCP095740	627199	5977452	1070 m	B	24	G	med rust brn	15	sub ang-sub rnd	CF	10	8/7/11
SCP095741	627210	5977403	1071 m	B	26	M	med rust grey brn	15	sub ang	CF	10	8/7/11
SCP095742	627272	5977354	1083 m	B	29	F	med rust brn	15	sub rnd	CF	15	8/7/11
SCP095743	627193	5977250	1079 m	B	17	G	med rust orange brn	15	sub rnd	CF	10	8/7/11
SCP095744	627200	5977188	1082 m	B	27	F	med rust orange brn	15	sub ang	CF	15	8/7/11

Sample Number	Easting	Northing	Elevation	Horizon	Depth cm	Slope angle	Color	% Course Fragments	Fragment Shape	Vegetation	Organic %	Date
SCP095745	627207	5977149	1094 m	B	29	F	med rust orange brn	20	sub rnd-sub ang	CF	30	8/7/11
SCP095746	627214	5977110	1099 m	B	23	G	med rust orange brn	10	sub ang	CF	15	8/7/11
SCP095747	627245	5977049	1117 m	B	14	F	vibrant rust orange brn	20	sub ang	CF	25	8/7/11
SCP095748	626804	5977172	1027 m	B	26	F	med rust orange brn	20	sub ang	CF	10	8/7/11
SCP095749	626808	5977151	1055 m	B	34	F	med grey brn	20	sub rnd	CF	25	8/7/11
SCP095750	626805	5977072	1062 m	B	26	F	med rusty orange brn	25	subrnd-sub ang	CF	20	8/7/11
SCP095751	628401	5977988	1111 m	B	49	F	Rusty brn	25	ang	CF	3	4/7/11
SCP095752	628395	5977934	1128 m	B	35	F	rusty red brn	1	ang	CF	3	5/7/11
SCP095753	628399	5977912	1130 m	B	40	F	rusty red	7	ang-sub ang	CF	1	5/7/11
SCP095754	628395	5977848	1139 m	B	30	F	med brn	5	ang-sub ang	CF	1	5/7/11
SCP095755	628401	5977792	?	B	25	F	rusty brn	5	ang-sub ang	CF	1	5/7/11
SCP095756	628402	5977747	1145 m	B	35	F	rusty brn	8	ang-sub ang	CF	0	5/7/11
SCP095757	628404	5977696	?	B	20	F	med choc brown	10	ang-sub ang	CF	5	5/7/11
SCP095758	628401	5977647	1152 m	B	32	F	med choc brown	10	sub ang- sub rnd	CF	5	5/7/11
SCP095759	628393	5977579	1171 m	B	25	G	rusty red brn	7	ang to sub rnd	CF	0	5/7/11
SCP095760	628403	5977542	1181 m	B	35	G	rusty red brn	10	sub rnd-sub ang	CF	0	5/7/11
SCP095761	628406	5977501	1186 m	B	17	M	med choc brown	10	ang-sub ang	CF	5	5/7/11
SCP095762	628405	5977442	1196 m	B	30	G	med choc brown	5	ang-sub ang	CF	5	5/7/11
SCP095763	628402	5977388	1201 m	B	25	G	med choc brown	3	sub ang	CF	7	5/7/11
SCP095764	628400	5977349	1203 m	B	35	G	rich choc brn	0	___	CF	40	5/7/11
SCP095765	628408	5977297	1216 m	B	20	M	rusty red brn	5	sub ang-sub rnd	CF	5	5/7/11
SCP095766	628403	5977245	1234 m	B	28	S	rusty orange brn	10	sub ang- sub rnd	CF	5	5/7/11
SCP095767	628406	5977205	1260 m	B	25	S	rusty orange brn	10	and-sub ang	CF	5	5/7/11
SCP095769	628401	5976006	1207 m	B	20	F	brn grey	5	sub rnd	CF	5	6/7/11
Scp095770	628403	5976047	1210 m	B	15	S	rusty brn	5	sub rnd	CF	5	6/7/11
Scp095771	628402	5976109	1221 m	B	17	F	rusty brn	10	sub rnd- sub ang	CF	5	6/7/11
Scp095772	628401	5976158	1223 m	B	18	S	rusty brn	5	sub rnd	CF	5	6/7/11
Scp095773	628401	5976211	1232 m	B	29	G	brown grey	10	sub ang	CF	10	6/7/11

Sample Number	Easting	Northing	Elevation	Horizon	Depth cm	Slope angle	Color	% Course Fragments	Fragment Shape	Vegetation	Organic %	Date
Scp095774	628401	5976260	1240 m	B	30	G	rusty brn	5	sub rnd	CF	5	6/7/11
Scp095775	628400	5976310	1250 m	B	20	F	rusty red	›5	syb rnd	CF	5	6/7/11
Scp095776	628399	5976355	1248 m	B	15	F	rust brn	›5	sub rnd	CF	5	6/7/11
Scp095777	628402	5976400	1239 m	B	20	F	rusty red	5	sub rnd-sub ang	CF	5	6/7/11
Scp095778	628405	5976457	1247 m	B	17	S	light rusty brn	10	sub rnd	CF	5	6/7/11
Scp095779	628401	5976502	1246 m	B	16	F	light rusty brn	5	sub rnd	CF	›5	6/7/11
Scp095780	628398	5976565	1264 m	B	17	F	rusty brn	›5	sub rnd	CF	›5	6/7/11
Scp095781	628399	5976608	?	B	15	F	rusty red	5	sub rnd	CF	5	6/7/11
Scp095782	628403	5976653	1279 m	B	30	F	rusty red	›5	sub rnd	CF	›5	6/7/11
Scp095783	628396	5976720	1294 m	B	18	G	rusty red	›5	sub rnd	CF	5	6/7/11
Scp095784	628402	5976753	1299 m	B	20	S	rusty red	10	sub rnd	CF	5	6/7/11
Scp095785	628407	5976809	1322 m	B	20	S	rusty red	10	sub rnd	CF	5	6/7/11
SCP095787	628404	5976852	1327 m	B	13	S	rusty brn	5	sub ang-sub rnd	CF	5	7/7/11
SCP095788	628404	5976901	1329 m	B	14	M	rusty brn	›5	sub rnd- sub ang	CF	5	7/7/11
SCP095789	628400	5976954	1327 m	B	13	M	rusty brn	5	sub rnd	CF	5	7/7/11
SCP095790	628403	5976997	1314 m	B	12	S	rusty orange brn	7	sub ang-ang	CF	5	7/7/11
SCP095791	628404	5977051	1285 m	B	17	S	rusty red brn	›5	ang	CF	5	7/7/11
SCP095792	628398	5977096	1268 m	B	25	S	rusty red brn	6	ang	CF	5	7/7/11
SCP095793	628397	5977148	1255 m	B	20	S	rusty orange brn	›5	sub rnd	CF	5	7/7/11
SCP095795	627008	5977245	1059 m	B	20	G	rusty orange brn	5	subb rnd	CF	5	7/7/11
SCP095796	627000	5977197	1068 m	B	20	G	rusty red brn	›5	sub rnd	CF	5	7/7/11
SCP095797	626997	5977150	1072 m	B	15	G	rusty red!	›5	sub rnd	CF	5	7/7/11
SCP095799	627001	5976001	1247 m	B	29	M	med grey brn	5	sub rnd	CF	5	8/7/11
Scp095801	627800	5976050	1162 m	B	15	F	light brown	5		CF	10	7/7/11
Scp095802	627795	5976000	1174 m	B	15	F	grey brown	15		CF	20	7/7/11
Scp095803	627595	5976000	1196 m	B	20	F	grey brown	5		CF	15	7/7/11
Scp095804	627601	5976052	1193 m	B	20	G	brown grey	15		CF	15	7/7/11
Scp095806	627602	5976103	1185 m	B	10	G	grey	20		CF	20	7/7/11
Scp095807	627601	5976153	1181 m	B	15	F	grey brown	15		CF	15	7/7/11
Scp095808	627616	5976352	1176 m	B	15	F	light brown	5		CF	10	7/7/11

Sample Number	Easting	Northing	Elevation	Horizon	Depth cm	Slope angle	Color	% Course Fragments	Fragment Shape	Vegetation	Organic %	Date
Scp095809	627609	5976375	1174 m	B	15	F	rusty brown	5		CF	10	7/7/11
Scp095811	627600	5976400	1174 m	B	20	F	rusty brown	5		CF	10	7/7/11
Scp095812	627600	5976425	1176 m	B	10	F	light brown	5		CF	10	7/7/11
Scp095813	627602	5976450	1182 m	B	10	G	light brown	5		CF	10	7/7/11
Scp095814	627600	5976476	1176 m	B	10	G	light brown	5		CF	8	7/7/11
Scp095816	627600	5976501	1179 m	B	10	F	light brown	5		CF	10	7/7/11
Scp095817	627599	5976525	1178 m	B	10	F	light brown	5		CF	10	7/7/11
Scp095818	627600	5976550	1177 m	B	10	F	light brown	5		CF	10	7/7/11
Scp095819	627601	5976575	1178 m	B	10	F	light brown	5		CF	10	7/7/11
Scp095821	627601	5976600	1175 m	B	12	F	light brown	5		CF	10	7/7/11
Scp095822	627600	5976625	1174 m	B	10	F	light brown	5		CF	8	7/7/11
Scp095823	627599	5976649	1172 m	B	15	F	light brown	8		CF	10	8/7/11
Scp095825	627600	5976676	1164 m	B	10	F	light brown	5		CF	10	8/7/11
Scp095826	627600	5976701	1170 m	B	10	F	light brown	5		CF	10	8/7/11
Scp095827	627600	5976725	1164 m	B	15	F	brown, some rust	8		CF	15	8/7/11
Scp095828	627600	5976751	1166 m	B	10	F	light brown	5		CF	10	8/7/11
Scp095829	627600	5976776	1159 m	B	10	F	light brown	5		CF	8	8/7/11
Scp095830	627600	5976788	1158 m	B	25	F	light brown	5		CF	15	8/7/11
Scp095831	627598	5976901	1151 m	B	40	F	grey brown	5		CF	30	8/7/11
Scp095832	627600	5977001	1149 m	B	15	F	grey brown	10		CF	15	8/7/11
Scp095833	627602	5977051	1146 m	B	10	G	light brown	5		CF	8	8/7/11
Scp095834	627600	5977100	1139 m	B	15	F	light brown	5		CF	10	8/7/11
Scp095836	627602	5977151	1135 m	B	20	F	brown	10		CF	15	8/7/11
Scp095837	627600	5977200	1132 m	B	10	F	light brown	5		CF	10	8/7/11
Scp095838	627602	5977250	1126 m	B	15	F	light brown	10		CF	15	8/7/11
Scp095839	627600	5977300	1124 m	B	10	F	redish brown	5		CF	10	8/7/11
Scp095840	627601	5977350	1121 m	B	15	F	light brown	5		CF	15	8/7/11
Scp095841	627600	5977400	1113 m	B	20	F	brown	10		CF	15	8/7/11
Scp095842	627599	5977449	1103 m	B	15	F	rusty brown	5		CF	10	8/7/11
Scp095843	627601	5977500	1095 m	B	20	F	brown grey	5		CF	10	8/7/11

Sample Number	Easting	Northing	Elevation	Horizon	Depth cm	Slope angle	Color	% Course Fragments	Fragment Shape	Vegetation	Organic %	Date
Scp095844	627601	5977549	1085 m	B	10	F	light brown	5		CF	15	8/7/11
Scp095845	627601	5977601	1080 m	B	15	F	light brown	5		CF	10	8/7/11
Scp095847	627600	5977651	1081 m	B	15	F	light brown	5		CF	10	8/7/11
Scp095848	627599	5977700	1069 m	B	15	F	light brown	5		CF	10	8/7/11
Scp095849	627601	5977750	1064 m	B	15	F	light rusty	5		CF	10	8/7/11
Scp095850	627600	5977801	1058 m	B	15	F	light brown	5		CF	15	8/7/11
Scp095851	626597	5975999	1121 m	B	25	G	brown grey	5		CF	15	10/7/11
Scp095852	626597	5976052	1115 m	B	20	G	dark brown	10		CF	10	10/7/11
Scp095853	626604	5976105	1126 m	B	45	G	dark brown	10		CF	25	10/7/11
Scp095854	626610	5976163	1119 m	B	25	G	dark brown	5		CF	20	10/7/11
Scp095855	626605	5976200	1120 m	B	30	G	dark brown	5		CF	30	10/7/11
Scp095856	626602	5976250	1111 m	B	25	G	grey brown	5		CF	20	10/7/11
Scp095857	626600	5976301	1128 m	B	19	G	light brown	5		CF	20	10/7/11
Scp095859	626600	5976351	1118 m	B	25	G	brown grey	5		CF	15	10/7/11
Scp095860	626597	5976400	1123 m	B	20	G	brown grey	5		CF	15	10/7/11
Scp095861	626600	5976450	1119 m	B	20	G	brown grey	5		CF	15	10/7/11
Scp095862	626600	5976500	1113 m	B	18	F	dark brown	10		CF	15	10/7/11
Scp095863	626602	5976555	1103 m	B	29	F	dark brown	15		CF	20	10/7/11
Scp095864	626602	5976601	1105 m	B	14	F	brown grey	10		CF	15	10/7/11
Scp095865	626600	5976650	1092 m	B	30	F	brown grey	10		CF	20	10/7/11
Scp095866	626601	5977100	1039 m	B	20	F	light brown	10		CF	15	10/7/11
Scp095867	626601	5977049	1044 m	B	40	F	dark brown	10		CF	25	10/7/11
Scp095869	626600	5976972	1043 m	B	20	F	light rusty	10		CF	15	10/7/11
Scp095870	626599	5976949	1060 m	B	27	F	light brown	5		CF	20	10/7/11
Scp095951	627802	5977770	1075 m	B	55	F	dark brown	5	sub rnd	CF	70	4/7/11
Scp095952	627796	5977749	1079 m	B	25	F	dark rusty brown	5	sub rnd	CF	45	4/7/11
Scp095953	627800	5977726	1089 m	B	25	F	dark brown	0		CF	50	4/7/11
scp095954	627801	5977699	1093 m	B	25	F	dark brown	5		CF	60	4/7/11
Scp095955	627800	5977649	1097 m	B	20	F	dark brown	5		CF	60	4/7/11
Scp095956	627801	5977631	1095 m	B	30	F	light brown	10		CF	25	5/7/11

Sample Number	Easting	Northing	Elevation	Horizon	Depth cm	Slope angle	Color	% Course Fragments	Fragment Shape	Vegetation	Organic %	Date
Scp095957	627802	5977600	1102 m	B	20	F	light brown	10		CF	25	5/7/11
Scp095958	627799	5977546	1106 m	B	15	F	light brown	5		CF	10	5/7/11
Scp095959	627803	5977499	1113 m	B	15	F	light brown	5		CF	10	5/7/11
Scp095960	627800	5977450	1123 m	B	15	F	light brown	5		CF	10	5/7/11
Scp095961	627803	5977399	1131 m	B	10	F	light brown	5		CF	10	5/7/11
Scp095962	627801	5977350	1137 m	B	15	F	light brown	10		CF	15	5/7/11
Scp095963	627801	5977301	1144 m	B	20	F	light brown	10		CF	20	5/7/11
Scp095964	627800	5977250	1155 m	B	15	F	light brown	5		CF	10	5/7/11
Scp095965	627801	5977201	1157 m	B	20	G	med brown	5		CF	15	5/7/11
Scp095966	627799	5977150	1162 m	B	25	G	light brown	5		CF	10	5/7/11
Scp095967	627801	5977105	1171 m	B	25	G	light brown	10		CF	15	5/7/11
Scp095968	627800	5977045	1176 m	B	15	G	light brown	10		CF	15	5/7/11
Scp095969	627798	5977003	1179 m	B	15	G	light brown	5		CF	10	5/7/11
Scp095970	627798	5976976	1180 m	B	30	G	med brown	10		CF	15	5/7/11
Scp095971	627801	5976948	1182 m	B	20	G	light brown	10		CF	15	5/7/11
Scp095972	627800	5976920	1181 m	B	15	G	light brown	5		CF	10	5/7/11
Scp095973	627800	5976900	1181 m	B	10	G	light brown	5		CF	5	5/7/11
Scp095974	627800	5976875	1174 m	B	10	G	light brown	5		CF	10	5/7/11
Scp095975	627798	5976848	1162 m	B	10	G	light brown	5		CF	10	6/7/11
Scp095976	627799	5976825	1168 m	B	10	G	light brown	5		CF	10	6/7/11
Scp095977	627803	5976800	1172 m	B	25	G	light rusty	5		CF	10	6/7/11
Scp095978	627798	5976775	1172 m	B	40	F	dark A+B	5		CF	40	6/7/11
Scp095979	627796	5976750	1167 m	B	40	F	dark A+B	5		CF	35	6/7/11
Scp095980	627800	5976724	1171 m	B	15	F	light brown	5		CF	15	6/7/11
Scp095981	627801	5976700	1176 m	B	12	G	reddish brown	3		CF	10	6/7/11
Scp095982	627801	5976674	1182 m	B	14	G	orange brown	5		CF	5	6/7/11
Scp095983	627801	5976647	1184 m	B	8	G	light brown	3		CF	5	6/7/11
Scp095984	627801	5976621	1190 m	B	10	G	light brown	5		CF	5	6/7/11
Scp095985	627799	5976599	1188 m	B	10	F	rusty brown	3		CF	5	6/7/11
Scp095986	627800	5976574	1195 m	B	10	F	light brown	7		CF	7	6/7/11

Sample Number	Easting	Northing	Elevation	Horizon	Depth cm	Slope angle	Color	% Course Fragments	Fragment Shape	Vegetation	Organic %	Date
Scp095987	627801	5976549	1190 m	B	15	F	rusty brown	5		CF	10	6/7/11
Scp095988	627800	5976523	1191 m	B	15	F	light brown	5		CF	5	6/7/11
Scp095989	627802	5976500	1188 m	B	15	F	light brown	5		CF	10	6/7/11
Scp095990	627802	5976472	1189 m	B	15	F	light brown	5		CF	10	6/7/11
Scp095991	627801	5976449	1193 m	B	8	F	light brown	5		CF	5	6/7/11
Scp095992	627800	5976425	1195 m	B	8	F	light brown	5		CF	8	6/7/11
Scp095993	627799	5976397	1192 m	B	10	F	rusty brown	5		CF	8	6/7/11
Scp095994	627800	5976375	1190 m	B	8	F	light brown	5		CF	8	6/7/11
Scp095995	627797	5976350	1188 m	B	12	F	light brown	5		CF	10	6/7/11
Scp095996	627799	5976325	1185 m	B	10	F	light brown	5		CF	8	6/7/11
Scp095997	627800	5976297	1188 m	B	10	F	light brown	5		CF	10	6/7/11
Scp095998	627800	5976249	1183 m	B	20	F	light brown	5		CF	10	6/7/11
Scp095999	627801	5976200	1180 m	B	15	F	light brown	10		CF	10	6/7/11
SCP096001	626802	5977051	1072 m	B	27	F	med rust orange brn	25	subang- sub rnd	CF	15	8/7/11
SCP096002	626800	5976996	1067 m	B	29	F	med rust orange brn	15	sub rnd	CF	20	8/7/11
SCP096004	626796	5976953	1079 m	B	29	F	med rust orange brn	10	sub rnd	CF	20	10/7/11
SCP096005	626796	5976894	1078 m	B	28	F	med brn	20	sub rnd	CF	15	10/7/11
SCP096006	626801	5976849	1094 m	B	30	F	dark rust red brn	15	sub ang	CF	20	10/7/11
SCP096007	626797	5976805	1092 m	B	27	F	dark coco brn	10	sub rnd	CF	15	10/7/11
SCP096008	626805	5976741	1097 m	B	29	F	med redd coco brn	10	sub rnd	CF	15	10/7/11
SCP096009	626805	5976004	1178 m	B	32	S	med rust orange brn	35	sub rnd	CF	15	10/7/11
SCP096010	626808	5976055	1182 m	B	28	F	med coco brn	30	sub rnd	CF	25	10/7/11
SCP096011	626799	5976104	1180 m	B	29	M	dark rust red brn	20	sub ang-sub rnd	CF	15	10/7/11
SCP096012	626802	5976152	1180 m	B	32	F	med rust orange brn	20	sub ang-sub rnd	CF	20	10/7/11
SCP096013	626804	5976198	1167 m	B	27	F	dark choc brown	15	sub ang-sub rnd	CF	10	10/7/11
SCP096014	626798	5976252	1167 m	B	33	F	dark red brn	5	sub ang	CF	45	10/7/11
SCP096016	626804	5976301	1165 m	B	30	F	med brn	5	sub ang- sub rnd	CF	25	10/7/11
SCP096017	626804	5976351	1160 m	B	25	F	med brn	25	sub ang- sub rnd	CF	20	10/7/11
SCP096018	626804	5976401	1157 m	B	26	F	dark coco	10	sub rnd	CF	10	10/7/11

Sample Number	Easting	Northing	Elevation	Horizon	Depth cm	Slope angle	Color	% Course Fragments	Fragment Shape	Vegetation	Organic %	Date
SCP096019	626799	5976452	1152 m	B	27	F	med rust brn	20	sub rnd-sub ang	CF	10	10/7/11
SCP096020	626802	5976503	1144 m	B	29	F	dark coco brn	20	sub ang	CF	15	10/7/11
SCP096021	626805	5976553	1137 m	B	42	F	med coco brn	15	sub rnd-sub ang	CF	15	10/7/11
SCP096022	626800	5976602	1129 m	B	35	F	med coco brn	10	sub ang	CF	20	10/7/11
SCP096024	626801	5976655	1108 m	B	46	F	med rust orange brn	15	sub ang	CF	15	10/7/11
SCP096025	626805	5976697	1111 m	B	28	G	med rust brn	15	sub rnd	CF	10	10/7/11
SCP096026	626600	5976699	1087 m	B	34	F	med brn	10	sub rnd	CF	10	10/7/11
SCP096027	626605	5976753	1075 m	B	33	F	med choc brn	20	sub ang-sub rnd	CF	10	10/7/11
SCP096028	626602	5976807	1074 m	B	32	F	light choc brn	20	sub ang	CF	10	10/7/11
SCP096029	626606	5976850	1071 m	B	29	F	med rust brn	15	sub ang- sub rnd	CF	10	10/7/11
SCP096030	626599	5976900	1064 m	B	28	F	med grey brn	15	sub ang- sub rnd	CF	15	10/7/11
Scp096051	627406	5976358	1169 m	B	20	F	light brown	5	sub rnd- sub ang	CF	5	10/7/11
SCP096052	627398	5976374	1159 m	B	19	F	light brown	10	sub rnd	CF	10	10/7/11
Scp096053	627395	5976404	1158 m	B	37	F	grey light brown	10	sub rnd- sub ang	CF	5	10/7/11
SCP096054	627396	5976429	1156 m	B	39	F	light brown	10	sub round	CF	10	10/7/11
SCP096055	627404	5976448		B	24	F	rusty brown	5	sub rnd	CF	5	10/7/11
SCP096056	627400	5976476	1161 m	B	24	F	yellow brown	5	sub ang	CF	5	10/7/11
Scp096057	627401	5976503	1160 m	B	20	F	rusty brown	5	sub rnd- sub ang	CF	5	10/7/11
Scp096058	627400	5976525	1161 m	B	25	F	rusty brown	5	sub rnd	CF	5	10/7/11
Scp096059	627401	5976553	1157 m	B	30	F	rusty brown	5	sub rnd	CF	5	10/7/11
SCP096060	627397	5976579	1155 m	B	32	F	rusty brown	10	sub ang-sub rnd	CF	5	10/7/11
Scp096061	627401	5976607	1164 m	B	20	F	rusty brown	5	sub rnd	CF	5	10/7/11
SCP096062	627397	5976620		B	15	F	light brown	5	sub round	CF	5	10/7/11
SCP096063	627397	5976628	1152 m	B	20	F	rusty brown	7	sub ang-sub rnd	CF	5	10/7/11
SCP096064	627402	5976679	1144 m	B	20	F	rusty brown	5	sub rnd	CF	5	10/7/11
SCP096101	627001	5976025	1248 m	B	22	M	rusty brn	7	sub rnd	CF	›5	8/7/11
SCP096102	627002	5976049	1246 m	B	25	M	rusty brn	›5	sub rnd	CF	›5	8/7/11
SCP096103	627001	5976100	1247 m	B	21	S	med rusty brn	›5	sub rnd	CF	›5	8/7/11
SCP096104	627003	5976149	1242 m	B	24	S	med rusty brn	7	sub rnd	CF	7	8/7/11

Sample Number	Easting	Northing	Elevation	Horizon	Depth cm	Slope angle	Color	% Course Fragments	Fragment Shape	Vegetation	Organic %	Date
SCP096105	626997	5976200	1227 m	B	29	S	med brn	10	sub ang	CF	10	8/7/11
SCP096106	626998	5976241	1210 m	B	21	M	med brn	6	sub rnd-sub ang	CF	›5	8/7/11
SCP096107	626995	5976301	1210 m	B	15	G	med brn	›5	sub rnd	CF	›5	8/7/11
SCP096108	627007	5976352	1197 m	B	29	S	med choc brown	7	sub rnd	CF	7	8/7/11
SCP096109	626998	5976394	1183 m	B	21	M	med brn	7	ang	CF	7	8/7/11
SCP096110	626994	5976449	1181 m	B	23	M	light brn	5	ang	CF	8	8/7/11
SCP096111	627003	5976503	1164 m	B	25	M	rusty brn	7	sub ang	CF	7	8/7/11
SCP096112	627000	5976554	1162 m	B	35	M	med grey brn	8	ang-sub ang	CF	15	8/7/11
SCP096113	626998	5976602	1150 m	B	17	M	med grey brn	5	sub rnd	CF	7	8/7/11
SCP096115	626955	5976649	1140 m	A?	38	G	dark choc brn	›5	ang	CF	60	8/7/11
SCP096116	626999	5976999	1100 m	B	34	G	khaki brown to grey brn	10	sub ang-sub rnd	CF	10	10/7/11
SCP096117	627001	5976973	1100 m	B	29	G	rusty orange brn	7	sub rnd-sub ang	CF	15	10/7/11
SCP096118	627002	5976941	1102 m	B	23	G	rusty brn	0	_____	CF	›5	10/7/11
SCP096119	627003	5976902	1106 m	B	25	G	rusty orange brn	10	sub ang-ang	CF	7	10/7/11
SCP096121	627001	5976833	1105 m	B	22	G	med grey brn	7	sub rnd-sub ang	CF	›5	10/7/11
SCP096122	626997	5976799	1110 m	B	23	G	drk grey brn	›5	sub ang-ang	CF	20	10/7/11
SCP096123	627294	5976906	?	B	24	G	rusty red	›5	ang	CF	›10	10/7/11
SCP096124	627404	5976953	1138 m	B	21	G	rusty red	7	ang	CF	10	10/7/11
SCP096125	627402	5976927	1136 m	B	23	G	rusty red brn	15	ang	CF	6	10/7/11
SCP096127	627400	5976906	1135 m	B	34	G		15	ang	CF	10	10/7/11
SCP096128	627401	5976869	1139 m	B	16	G		‹5	ang	CF	7	10/7/11
SCP096129	627406	5976849	1141 m	B	32	G		7	ang	CF	15	10/7/11
SCP096130	627397	5976824	1145 m	B	26	G		8	ang	CF	5	10/7/11
SCP096131	627401	5976797	1148 m	B	28	G		8	ang	CF	›5	10/7/11
SCP096132	627406	5976775	1149 m	B	32	G		10	ang-sub ang	CF	10	10/7/11
SCP096134	627407	5976753	1147 m	B	37	G		5	ang	CF	›5	10/7/11
SCP096135	627398	5976725	1149 m	B	29	G		5	ang	CF	›5	10/7/11
SCP096136	627402	5976701	1153 m	B	26	G		7	ang	CF	7	10/7/11
SP096137	632017	5986941										

Sample Number	Sampler	Comments
SA095871	LF/CK	from sample book, no details
SCP095551	AC/AG	right off road, off line to avoid stream. Partly reforested , deeper than typical O-A horizon.
SCP095552	AC/AG	beside stream. Adjacent to road, burn in A layer, reforested area
SCP095553	AC/AG	reforested area. Burn in A layer off line to get dry sample.
SCP095554	AC/AG	reforested area, burn in A layer
SCP095555	AC/AG	reforested area, burn in A layer
SCP095556	AC/AG	reforested area, burn in A layer
SCP095557	AC/AG	reforested area, burn in A layer adjacent to stream
SCP095558	AC/AG	reforested area. Deeper than typical O-A horizon
SCP095559	AC/AG	reforested burn area thin organic layer
SCP095560	AC/AG	reforested burn area
SCP095561	AC/AG	reforested burn area, w/ pockets of water, smells like sulphur
SCP095562	AC/AG	±9.4; reforested burn area (rock sample)
SCP095563	AC/AG	reforested burn, off line to avoid pools of water.
SCP095564	AC/AG	regenerated, surrounded by pools of water. Last three digits on northing are supposed to be 700 but moved due to pools & wet boggy area. (smelt of sulphur)
SCP095565	AC/AG	regenerated area in boggy pool area
SCP095566	AC/AG	very mossy underbrush took sample from "b" layer?
SCP095567	AC/AG	
SCP095568	AC/AG	
SCP095569	AC/AG	
SCP095570	AC/AG	offline due to bear den on line
SCP095571	AC/AG	
SCP095573	LF/CK	primary forest. 1186 elevation
SCP095574	LF/CK	primary forest. 1186m elevation
SCP095575	LF/CK	hit water table @ base of hole/ 1213m elev. Primary forest
SCP095576	LF/CK	primary forest 1205M elev.

Sample Number	Sampler	Comments
SCP095578	AC/AG	
SCP095579	AC/AG	primary forest
SCP095580	AC/AG	primary forest. 1209m elev
SCP095582	AC/AG	primary forest. Burn in A layer lots of windfall
SCP095583	AC/AG	primary forest. Burn in A layer
SCP095584	AC/AG	±9.3m; primary fores, burn in A layer deeper then avg A horizon
SCP095586	AC/AG	primary forest, windfall, slight slope
SCP095587	AC/AG	primary forest, windfall, slight slope
SCP095589	AC/AG	±11.4 Primary forest
SCP095590	AC/AG	primary forest
SCP095591	AC/AG	offline due to bog
SCP095592	AC/AG	offline due to bog
SCP095594	AC/AG	Deeper then avg. A layer off line due to bog
SCP095595	AC/AG	burn in A layer offline due to bog
SCP095596	AC/AG	tried 3 diff spots offline due to bog
SCP095598	AC/AG	deeper then avg A layer offline due to bog.
SCP095599	AC/AG	±10.1; offline due to bog
SCP095600	AC/AG	±8.3; offline due to bog
SCP095602	AC/AG	±10.9; offline due to bog DUP
SCP095603	AC/AG	offline due to bog.
SCP095604	AC/AG	offline due to bog
SCP095605	AC/AG	flat open area just off bog
SCP095607	AC/AG	primary forest, flat open area, just off of bog
SCP095608	AC/AG	primary forest. Flat open area just off of bog
SCP095609	AC/AG	primary forest. Flat open area
SCP095611	AC/AG	primary forest. Flat open area
SCP095612	AC/AG	primary forest
SCP095613	AC/AG	±8.4; primary forest. Burn in A layer
SCP095614	AC/AG	primary forest. Burn in A layer
SCP095616	GW/AG	young forest, 10m off bog

Sample Number	Sampler	Comments
SCP095617	GW/AG	young forest, 10m off bog
SCP095618	GW/AG	young forest, boulder 8m off line
SCP095619	GW/AG	young forest, old cut block
SCP095620	GW/AG	plantation, old cut block
SCP095621	GW/AG	young forest, old cut block
SCP095622	GW/AG	young forest, old cut block
SCP095624	GW/AG	plantation
SCP095625	GW/AG	off due to bog, undisturbed forest
SCP095626	GW/AG	undisturbed near boggy ground west
SCP095627	GW/AG	±10; undisturbed
SCP095628	GW/AG	undisturbed
SCP095629	GW/AG	undisturbed
SCP095631	GW/AG	undisturbed
SCP095632	GW/AG	undisturbed, windfall 20m off stream
SCP095633	GW/AG	undisturbed
SCP095634	GW/AG	undisturbed, mature forest
SCP095635	GW/AG	undisturbed; mature forest
SCP095636	GW/AG	burn in A layer, undisturbed forest
SCP095637	GW/AG	±13.5; burn in A layer, undisturbed
SCP095638	GW/AG	undisturbed, no burn in A layer
SCP095640	GW/AG	±10; undisturbed, burn in A layer
SCP095641	GW/AG	deeper then average A layer almost like hard pan clay
SCP095642	GW/AG	burn in A layer, undisturbed
SCP095643	GW/AG	undisturbed, lots of windfall. Shiney in rock from below
SCP095645	GW/AG	undisturbed, burn in A layer
SCP095646	GW/AG	burn in A layer, undisturbed forest
SCP095647	GW/AG	burn in A layer, undisturbed forest
SCP095648	GW/AG	Burn in A Layer Undisturbed Forest
Scp095649	GW/AG	
SCP095651	BB/BA	reforested area

Sample Number	Sampler	Comments
SCP095652	BB/BA	reforested area, small 0&A horiz, minor rusted lenses
SCP095653	BB/BA	very small A horiz, reforested area
SCP095654	BB/BA	reforested area, small O&A horiz.
SCP095655	BB/BA	reforested area, minor rusted lenses, rusted out cobbles. Location - on a terrace, water table close to surface. Smell=pickled ginger
SCP095656	BB/BA	reforested area, very cobble rich, horiz, hard to distinguish
SCP095657	BB/BA	minor rusted lenses rusted cobbles, close to creek, hit water table.
SCP095658	BB/BA	adjacent to stream and bog, 10cm O horiz, minor rusted lenses. * 650m mark missed due to bog in all directions
SCP095659	BB/BA	right beside bog. Water table at 30cm.
SCP095660	BB/BA	adjacent to bog, early water table.
SCP095661	BB/BA	dry B horiz., rusted out lenses from cobbles, <5cm A&O horiz., sample take near SC.
SCP095662	BB/BA	con't on same SC line.
SCP095663	BB/BA	con't on same mossy float/SC area, lots of dead trees
SCP095664	BB/BA	right in bog
SCP095665	BB/BA	±11.2; 1222m elev., ~19cm A&O horiz on slope of major deadfall area.
SCP095666	BB/BA	major deadfall on slope.
SCP095667	BB/BA	minor rusted lenses, site at bottom of slope entering bog
SCP095668	BB/BA	on top of steep slope ~45degrees
SCP095669	BB/BA	last sample before lake, minor rusted lenses
SCP095670	BB/BA	adjacent to bog
SCP095671	BB/BA	moved due to morraine? type feature
SCP095672	BB/BA	open area, dead trees surrounding.
SCP095673	BB/BA	flat lying area, dead trees and moss covered floor.
SCP095675	BB/BA	small org. Horizon
SCP095676	BB/BA	drier area, less moss however under old deadfall
SCP095677	BB/BA	among many trees, lots of roots
SCP095678	BB/BA	highly vegitated area. Water table @20cm lots of gravel
SCP095679	BB/BA	water table reached
SCP095680	BB/BA	large cobbles drier sample

Sample Number	Sampler	Comments
SCP095681	BB/BA	very small 0-A horizon
SCP095682	BB/BA	moved up line due to squirrel habitat
SCP095683	BB/BA	
SCP095684	BB/BA	
SCP095685	BB/BA	area of major deadfall
SCP095686	BB/BA	blk layer-deep adj to bog area moved to avoid bog
SCP095687	BB/BA	moved due to deadfall
SCP095688	BB/BA	moved due to low water ponds
SCP095689	BB/BA	dead tree under O layer (takes up own layer)moved due to water holes + deadfall
SCP095690	BB/BA	large A+O horizon
SCP095691	BB/BA	highly vegetated, lots of tree blowdown 8cm O-A horizon
SCP095692	BB/BA	
SCP095693	BB/BA	lots vegetation- spaced trees
SCP095694	BB/BA	
SCP095695	BB/BA	clearing on sidehill lots vegetation
SCP095696	BB/BA	spaced trees. 15cm A horizon
SCP095697	BB/BA	minor orange rusted lenses
SCP095698	BB/BA	lots vegetation
SCP095699	BB/BA	lots tall vegetation
SCP095700	BB/BA	vegetated area on terrace
SCP095701	BB/BA	adjacent to bog. Water table @ 30cm
SCP095702	BB/BA	orange rust- very oxidized piece in A layer. B layer further down
SCP095703	BB/BA	close together trees
SCP095704	BB/BA	moderate veetation trees spacing out
SCP095705	BB/BA	moved due to mass bog
SCP095706	BB/BA	
SCP095708	BB/BA	
SCP095709	BB/BA	clay rich sample, slight red tinge
SCP095711	BB/BA	area of major blow down
SCP095712	BB/BA	

Sample Number	Sampler	Comments
SCP095713	BB/BA	lots vegetation
SCP095715	BB/BA	just below cliff face
SCP095716	BB/BA	
SCP095717	BB/BA	moved site due to blow down
SCP095718	BB/BA	
SCP095720	BB/BA	very mossy area
SCP095721	BB/BA	lots of deadfall and vegetation
SCP095723	BB/BA	
SCP095724	BB/BA	wetter sample, getting close to stream
SCP095725	BB/BA	
SCP095727	BB/BA	close to stream, A layer almost non-existant
SCP095728	BB/BA	hit water table, adjacent to small bog
SCP095729	BB/BA	*850m skipped due to road and bog on other side. Large A horiz
SCP095731	BB/BA	(DUP of SCP095730)
SCP095732	BB/BA	dead forest, some oxidized cobbles
SCP095733	BB/BA	
SCP095734	BB/BA	moved to avoid bog
SCP095735	BB/BA	adjacent to bog
SCP095736	BB/BA	kind of sandy compared to other holes
SCP095737	BB/BA	wet sample, water table @ bottom
SCP095739	BB/BA	very grey A horizon
SCP095740	BB/BA	on side hill
SCP095741	BB/BA	moved off line due to bog. Minor rusted lenses
SCP095742	BB/BA	wet sample. Moved 72m off line, due to bog.
SCP095743	BB/BA	Moved off line due to bog
SCP095744	BB/BA	Hit water table- just above bog
SCP095745	BB/BA	large berry bushes- thick
SCP095746	BB/BA	moved course to find driness
SCP095747	BB/BA	mustard yellow lenses
SCP095748	BB/BA	1st sample available- rest in bog

Sample Number	Sampler	Comments
SCP095749	BB/BA	±9.3m. Off track due to bog, minor susted lenses
SCP095750	BB/BA	Moved 20m due to bog
SCP095751	GW/CK	water table @ 49cm
SCP095752	GW/CK	primary forest; 15cm deep OA horizon.
SCP095753	GW/CK	primary forest; 15cm deep A horizon
SCP095754	GW/CK	primary forest; ≤10cm OA horizon
SCP095755	GW/CK	primary forest; ‹4cm OA horizon; water table @ 25 cm.
SCP095756	GW/CK	primary forest, may have been logged. OA horizon to ~15cm deep.
SCP095757	GW/CK	primary forest adjacent to replanted clearcut; ~ 15cm deep OA horizon.
SCP095758	GW/CK	Edge of Clearcut.
SCP095759	GW/CK	primary Forest. 20m off line due to 5m spring at samle site
SCP095760	GW/CK	Evidence of prior burn site. Primary forest
SCP095761	GW/CK	primary forest
SCP095762	GW/CK	primary forest
SCP095763	GW/CK	primary forest. True sampling site @ small(‹3fr across) stream, sampling site moved~ 12m south.
SCP095764	GW/CK	primary forest. Deeper A horizon. Enriched A horizon.
SCP095765	GW/CK	primary forest
SCP095766	GW/CK	primary forest
SCP095767	GW/CK	primary forest; ~15m deep OA horizon.
SCP095769	AC/GW	primary forest
Scp095770	AC/GW	
Scp095771	AC/GW	primary forest
Scp095772	AC/GW	primary forest
Scp095773	AC/GW	primary forest
Scp095774	AC/GW	primary forest
Scp095775	AC/GW	primary forest
Scp095776	AC/GW	primary forest
Scp095777	AC/GW	primary forest Burn on Organics layer
Scp095778	AC/GW	primary forest
Scp095779	AC/GW	primary forest

Sample Number	Sampler	Comments
Scp095780	AC/GW	primary forest
Scp095781	AC/GW	
Scp095782	AC/GW	
Scp095783	AC/GW	6m east of rock cliff
Scp095784	AC/GW	
Scp095785	AC/GW	high grade slope
SCP095787	CK/GW	primary forest
SCP095788	CK/GW	primary forest
SCP095789	CK/GW	primary forest
SCP095790	CK/GW	primary forest; subcrop nearby; ~55°grade on slope
SCP095791	CK/GW	in ~55°grade; primary forest; subrcop@ base of hole
SCP095792	CK/GW	primary forest: ~55°grade
SCP095793	CK/GW	primary forest ; 40° grade; ang cobbles in hole
SCP095795	CK/GW	primary forest; boggy west of line all the way to copper pond; 8m off line
SCP095796	CK/GW	primary forest; adjacent to small spring/ sink hole.
SCP095797	CK/GW	primary forest; very red soil color
SCP095799	CK/AC	15cm deep A horizon; evidence of prev burn site.
Scp095801	IM/JW	edge of pond
Scp095802	IM/JW	edge of pond
Scp095803	IM/JW	
Scp095804	IM/JW	
Scp095806	IM/JW	bad spot, rocky 15cm
Scp095807	IM/JW	near pond
Scp095808	IM/JW	near swamp
Scp095809	IM/JW	near swamp
Scp095811	IM/JW	parallel to swamp
Scp095812	IM/JW	
Scp095813	IM/JW	
Scp095814	IM/JW	
Scp095816	IM/JW	

Sample Number	Sampler	Comments
Scp095817	IM/JW	
Scp095818	IM/JW	
Scp095819	IM/JW	
Scp095821	IM/JW	
Scp095822	IM/JW	
Scp095823	IM/JW	DUPLICATE OF SCP095824
Scp095825	IM/JW	
Scp095826	IM/JW	
Scp095827	IM/JW	started to hit water
Scp095828	IM/JW	
Scp095829	IM/JW	
Scp095830	IM/JW	next to bog
Scp095831	IM/JW	**bog**
Scp095832	IM/JW	edge of bog
Scp095833	IM/JW	
Scp095834	IM/JW	
Scp095836	IM/JW	close to road
Scp095837	IM/JW	reforested
Scp095838	IM/JW	reforested
Scp095839	IM/JW	reforested
Scp095840	IM/JW	reforested
Scp095841	IM/JW	reforested
Scp095842	IM/JW	reforested
Scp095843	IM/JW	reforested
Scp095844	IM/JW	reforested
Scp095845	IM/JW	reforested
Scp095847	IM/JW	reforested
Scp095848	IM/JW	reforested
Scp095849	IM/JW	reforested
Scp095850	IM/JW	reforested

Sample Number	Sampler	Comments
Scp095851	IM/JW	
Scp095852	IM/JW	
Scp095853	IM/JW	drainage area
Scp095854	IM/JW	drainage area
Scp095855	IM/JW	end of drainage
Scp095856	IM/JW	
Scp095857	IM/JW	
Scp095859	IM/JW	
Scp095860	IM/JW	
Scp095861	IM/JW	
Scp095862	IM/JW	
Scp095863	IM/JW	
Scp095864	IM/JW	
Scp095865	IM/JW	
Scp095866	IM/JW	close to water
Scp095867	IM/JW	swampy
Scp095869	IM/JW	edge of swamp
Scp095870	IM/JW	
Scp095951	IM/JW	Boggy Area
Scp095952	IM/JW	Stand of trees
Scp095953	IM/JW	reforested
scp095954	IM/JW	
Scp095955	IM/JW	
Scp095956	IM/JW	±8.0m reforested by
Scp095957	IM/JW	reforested
Scp095958	IM/JW	
Scp095959	IM/JW	
Scp095960	IM/JW	
Scp095961	IM/JW	
Scp095962	IM/JW	

Sample Number	Sampler	Comments
Scp095963	IM/JW	old forest
Scp095964	IM/JW	old forest
Scp095965	IM/JW	old forest
Scp095966	IM/JW	old forest, wed soil
Scp095967	IM/JW	old forest
Scp095968	IM/JW	old forest
Scp095969	IM/JW	old forest
Scp095970	IM/JW	old forest
Scp095971	IM/JW	old forest
Scp095972	IM/JW	old forest
Scp095973	IM/JW	old forest
Scp095974	IM/JW	old forest
Scp095975	IM/JW	old forest
Scp095976	IM/JW	old forest, top of boggy area
Scp095977	IM/JW	old forest
Scp095978	IM/JW	boggy area
Scp095979	IM/JW	boggy area
Scp095980	IM/JW	end of bog
Scp095981	IM/JW	creek over flow area
Scp095982	IM/JW	south of small creek
Scp095983	IM/JW	old forest
Scp095984	IM/JW	
Scp095985	IM/JW	
Scp095986	IM/JW	
Scp095987	IM/JW	
Scp095988	IM/JW	
Scp095989	IM/JW	
Scp095990	IM/JW	
Scp095991	IM/JW	
Scp095992	IM/JW	

Sample Number	Sampler	Comments
Scp095993	IM/JW	
Scp095994	IM/JW	
Scp095995	IM/JW	
Scp095996	IM/JW	
Scp095997	IM/JW	
Scp095998	IM/JW	
Scp095999	IM/JW	next to pond
SCP096001	BB/BA	Dead tree stand
SCP096002	BB/BA	lots dead tree fall and vegetation
SCP096004	BB/BA	Area of lots deadfall
SCP096005	BB/BA	Hit water table, near stream
SCP096006	BB/BA	Hit water table, near stream
SCP096007	BB/BA	Moved due to thick alder patch.
SCP096008	BB/BA	7m off road(downhill)
SCP096009	BB/BA	
SCP096010	BB/BA	Moved due to deadfall
SCP096011	BB/BA	
SCP096012	BB/BA	Minor oxidized lenses
SCP096013	BB/BA	lots of deadfall
SCP096014	BB/BA	
SCP096016	BB/BA	
SCP096017	BB/BA	
SCP096018	BB/BA	Adjacent to bog.
SCP096019	BB/BA	Adjacent to bog holes.
SCP096020	BB/BA	Grey clay lenses as well
SCP096021	BB/BA	Area of lots of treefall
SCP096022	BB/BA	on side hill
SCP096024	BB/BA	Lrg O+A layer: just before cutblock
SCP096025	BB/BA	On small cutblock
SCP096026	BB/BA	6m off road.

Sample Number	Sampler	Comments
SCP096027	BB/BA	
SCP096028	BB/BA	Lots of deadfall + vegetation
SCP096029	BB/BA	Lots of deadfall.
SCP096030	BB/BA	Minor oxidized lenses.
Scp096051	GW/AG	Undisturbed
SCP096052	GW/AG	A layer- deeper than avrg
Scp096053	GW/AG	10m off stream
SCP096054	GW/AG	Stram 3m to the East. Deeper than avg. A layer
SCP096055	GW/AG	2m from creek
SCP096056	GW/AG	
Scp096057	GW/AG	3m from creek
Scp096058	GW/AG	burn in A layer. Creek 7m to the East
Scp096059	GW/AG	10m from creek
SCP096060	GW/AG	Undistrurbed
Scp096061	GW/AG	young forest
SCP096062	GW/AG	Young forest.
SCP096063	GW/AG	Young forest
SCP096064	GW/AG	
SCP096101	CK/AC	color change from scp095799 to scp096102; 25m spacing here; primary forest
SCP096102	CK/AC	primary forest; evidence of burn site.
SCP096103	CK/AC	primary forest.
SCP096104	CK/AC	primary forest; evidence of burn in hole.
SCP096105	CK/AC	primary forest, deep A horizon. Burn in A l ayer. Clay rich; deeper than typical A horizon
SCP096106	CK/AC	primary forest, evidence of burn in hole.
SCP096107	CK/AC	primary forest, evidence of burn in hole. Subtle rusty color.
SCP096108	CK/AC	primary forest, evidence of burn in hole
SCP096109	CK/AC	primary forest; minor previous burn evidence.
SCP096110	CK/AC	primary forest; subtle rusty tinge; evidence of previous burn.
SCP096111	CK/AC	prev burn evidence primary forest.
SCP096112	CK/AC	primary forest; evidence of prev burn. Deeper than average A horizon

Sample Number	Sampler	Comments
SCP096113	CK/AC	primary forest; evidence of prev burn.
SCP096115	CK/AC	primary forest; Bog present at true sample site so off line. Collected at base of A Horizon, B Horizon appears to be Missing. 2 envelopes
SCP096116	CK/AC	primary forest, evidence of preb burn in hole
SCP096117	CK/AC	25m spacing added due to color change from scp096116 to scp096118. primary forest; evidence of prev burn
SCP096118	CK/AC	primary forest
SCP096119	CK/AC	primary forest; evidence of previous burn; few mustard lenses (dup= scp096120)
SCP096121	CK/AC	primary forest; evidence of prev burn in hole; rusty lenses; clay rich soil; adjacent to stream, thus 17m south of true sampling site.
SCP096122	CK/AC	primary forest; next to upturned tree. Abnt ang. cobble@ top of hole, deeper than avg. A layer. Evidence of Burn minor rusty lenses.
SCP096123	CK/AC	on side of road, NOT on any lines, stopped to take rock ang soil sample of very very rusty rocks and really rusty red soil.
SCP096124	CK/AC	primary forest, clay rich
SCP096125	CK/AC	primary forest, obvious burn in hole
SCP096127	CK/AC	primary forest; minor burn minor rusty lenses, in hole.
SCP096128	CK/AC	primary forest;
SCP096129	CK/AC	primary forest; mustard yellow rusted cobbles in hole
SCP096130	CK/AC	primary forest. Minor burn in hole.
SCP096131	CK/AC	primary forest
SCP096132	CK/AC	primary forest; deeper A horizon that typical
SCP096134	CK/AC	primary forest
SCP096135	CK/AC	primary forest
SCP096136	CK/AC	primary forest
SP096137		POPLAR PROFILE

Sample Number	Type	Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm
SA095871	Soil	0.5	1.53	11.7	9.52	91.3	250	19.9	7.1	327	3.23	6	0.8	4.4
SCP095551	Soil	4	0.93	327.85	3.19	15.9	915	4	1.9	15	0.11	7.9	3.5	0.2
SCP095552	Soil	12.2	3.03	77.37	20.44	138.4	575	11.9	7.2	308	3.39	29.8	0.6	2
SCP095553	Soil	5.8	2.13	58.32	21.55	138.9	489	11.1	7.9	297	3.32	29.3	0.4	1.6
SCP095554	Soil	8.5	1.82	35.18	9.47	102.6	429	9.1	5.1	366	2.52	18.9	0.4	0.8
SCP095555	Soil	19.9	2.29	45.73	13.32	100.9	323	9.3	6.3	456	2.97	26	0.4	1
SCP095556	Soil	14.8	2.6	103.18	20.13	54	4107	16.1	7.4	298	3.04	13.1	1.1	0.2
SCP095557	Soil	7.4	3.16	62.27	22.82	150	706	15.6	29.6	1395	3.55	29.4	0.6	0.7
SCP095558	Soil	3.1	2.75	61.56	11.59	136.5	448	11.6	15	1073	2.83	17.8	0.8	0.7
SCP095559	Soil	5.4	3.06	36.97	17.68	123	465	9.8	6.7	345	3.67	36.4	0.3	1.2
SCP095560	Soil	11.8	137.13	267.54	2.6	210.7	932	43.9	97.1	9894	5.18	37.6	8.3	1.2
SCP095561	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095562	Soil	6.6	2.58	78.03	26.24	84	1361	56.1	10.7	779	5.05	22	1.8	0.8
SCP095563	Soil	7.7	2.63	45.31	17.54	55	264	14	9.8	676	4.43	21.4	0.7	1.2
SCP095564	Soil	4.2	2.5	112.93	18.93	40.8	710	8.5	3.3	142	2.2	25	2.7	<0.1
SCP095565	Soil	10	2.93	150.13	20.11	38.5	880	8.2	3.7	106	2.04	13.8	4.1	<0.1
SCP095566	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095567	Soil	7.7	8.2	67.33	19.2	64.4	366	9.9	4.7	224	3.16	19.8	0.3	1.4
SCP095568	Soil	9.5	5.34	76.68	15.93	73.5	197	8.6	5.4	281	3.13	21.6	0.5	1
SCP095569	Soil	6.2	3.07	42.79	21.29	107	800	10.4	9.7	828	3.83	17.9	0.3	0.7
SCP095570	Soil	15.7	2.35	38.32	18.21	67.3	872	6.2	4.3	183	2.72	15.2	0.3	0.5
SCP095571	Soil	4.3	2.52	41.42	33.55	77.2	1127	14	5.2	246	4.75	24.1	0.3	0.7
SCP095573	Soil	3.1	1.15	33.87	10.61	131.8	218	24.4	7.7	297	2.66	13.2	0.4	0.7
SCP095574	Soil	29.4	1.41	84.2	13.84	169.6	407	31.7	9.3	488	3.43	13.9	0.5	1.2
SCP095575	Soil	2.9	1.91	137.78	21.28	163.2	459	34.3	12	949	3.72	16.2	1.4	0.6
SCP095576	Soil	7.5	2	74.58	17.32	139.1	331	29.6	13	375	3.55	22.3	0.5	1.7
SCP095578	Soil	11.8	2.65	54.71	39.62	129.1	660	21.3	9.2	347	6.71	36.8	0.4	1.7

Sample Number	Type	Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm
SCP095579	Soil	15.4	4.02	87.06	43.95	106.9	1830	19.5	7.5	292	5.7	41.8	0.4	1.1
SCP095580	Soil	4.5	2.18	36.17	29.08	67.5	528	13	5.1	238	4.05	25.5	0.3	0.8
SCP095582	Soil	14.3	1.9	49.43	35.85	110.6	835	13.3	5.8	295	4.45	31.3	0.3	1.2
SCP095583	Soil	23.2	2.14	69.3	32.54	127.6	634	20.9	8.2	315	4.19	29.8	0.4	1.5
SCP095584	Soil	9.4	0.88	15.77	20.85	44	474	6.5	2.7	136	2.62	10.2	0.2	0.8
SCP095586	Soil	9.9	2.64	26.1	28.82	49.4	490	11	3.3	172	4.6	31.9	0.2	1
SCP095587	Soil	40	2.27	29.91	41.88	65.7	923	11.7	3.3	172	5.39	34.3	0.3	1.3
SCP095589	Soil	12.4	2.85	52.52	36.59	62.4	836	17.1	4.1	195	6.11	35	0.5	2.1
SCP095590	Soil	14.9	3	55.24	31.71	65.8	1464	17	4.8	160	6.11	37.7	0.4	2.2
SCP095591	Soil	10.3	3.16	51.62	33.43	43.1	7955	15.2	3.9	140	7.32	29.6	0.5	2.5
SCP095592	Soil	5.1	2.64	48.27	33.79	94.5	2123	20.1	5.7	220	5.65	34.1	0.4	1.7
SCP095594	Soil	9.5	2.98	90.73	38.47	70.6	782	25.1	5.4	295	5.57	29.4	1.7	2.6
SCP095595	Soil	6.5	3.04	60.19	38.36	104	1296	19.7	6.4	229	6.91	34.7	0.5	1.9
SCP095596	Soil	9.5	2.57	181.15	27.47	90.8	1669	18.5	5.8	251	4.68	28.4	0.9	1.5
SCP095598	Soil	3.7	1.42	14.96	16.83	66.9	668	9.9	3	130	2.66	11.7	0.3	0.7
SCP095599	Soil	7.1	1.56	31.15	23.07	132	350	14.3	6	261	3.75	15.6	0.3	1.4
SCP095600	Soil	7.2	2.11	48.41	20.59	131.4	342	20.2	9.4	365	3.78	23.5	0.3	0.6
SCP095602	Soil	9.7	2.64	69.51	20.66	70.7	754	22.8	5.4	226	3.34	23.2	0.8	1.1
SCP095603	Soil	5.3	1.41	16.83	19.52	65.6	514	24.2	4.5	223	4.33	15.2	0.3	1.2
SCP095604	Soil	5.8	1.85	29.52	18.87	72.1	735	18.6	7.7	206	4.31	19.6	0.4	1.3
SCP095605	Soil	11.3	2.26	27.24	23.08	60.9	1768	17.3	3.6	182	5.08	23.1	0.3	1.6
SCP095607	Soil	9.5	2.18	18.75	21.84	46.3	1032	13.8	2.7	204	5.87	28.3	0.3	1.4
SCP095608	Soil	5.3	1.52	15.34	14.04	77.4	819	13.7	5.5	202	3.05	12.8	0.3	1.2
SCP095609	Soil	5.4	1.49	18.76	13.36	77.9	496	13.8	6.6	232	3.31	14.2	0.3	1.1
SCP095611	Soil	6.9	1.35	27.41	18.41	42.9	319	13.2	4.1	205	3.48	9.4	0.4	0.7
SCP095612	Soil	3.3	1.44	36.52	17.14	70.7	462	15.7	7.7	300	2.98	11.6	0.4	0.7
SCP095613	Soil	2.2	1.86	27.57	15.89	145.4	512	18.2	9.8	279	4.14	23.2	0.3	1.5
SCP095614	Soil	6.3	1.47	19.3	20.43	61.4	621	8.8	4.4	188	3.3	13.1	0.3	1.2
SCP095616	Soil	0.5	0.41	1.64	0.26	5.9	16	0.2	0.3	5	>40.00	0.2	<0.1	<0.1
SCP095617	Soil	7.4	2.44	69.59	19.31	145.3	759	11.3	17.9	946	3.93	19.1	0.7	0.8

Sample Number	Type	Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm
SCP095618	Soil	13.8	2.35	58.84	15.82	131.6	667	13.8	8.2	376	2.75	17.2	0.6	0.5
SCP095619	Soil	7.2	2.75	55.88	28.55	160.4	2334	11.1	6.2	225	3.47	18	0.8	1.4
SCP095620	Soil	14.3	6.37	91.14	46.53	144.6	819	10	6.2	223	6.73	40.8	0.6	2.1
SCP095621	Soil	4.5	7.8	43.24	27.34	57.5	599	5.2	2.7	146	6.2	30	0.4	1.3
SCP095622	Soil	4	3.79	34.5	20.14	67.3	604	5.3	3.1	135	3.96	16.1	0.4	1.4
SCP095624	Soil	11.4	7.28	101.04	21.15	55.4	1227	6.2	2.8	136	4.55	24.9	0.6	2.6
SCP095625	Soil	12.4	9.67	110.83	21.58	47.9	532	8.5	3.6	161	4.99	30.1	0.5	2.5
SCP095626	Soil	5.4	4.54	64.56	12.7	18.6	859	2.7	1.4	56	18.27	22.6	0.4	1.6
SCP095627	Soil	18.7	5.4	47.32	33.57	21.5	1532	3.4	1.9	100	13.77	21.4	0.8	3
SCP095628	Soil	8.7	4.16	38.99	28.61	34.5	975	7.5	2.5	145	4.27	19.3	0.4	1.3
SCP095629	Soil	15.3	5.39	45.52	23.91	34.3	1136	6.7	2.1	138	6.97	22.1	0.3	1
SCP095631	Soil	6.2	6.43	23.18	24.22	37.9	508	5.1	1.8	115	6.21	21.9	0.3	1.2
SCP095632	Soil	10.5	4.5	61.09	22.27	59.4	593	12.2	4	172	4.91	28.8	0.5	1.9
SCP095633	Soil	16.1	3.82	58.93	16.1	43.3	1306	5.7	2.3	116	7.96	26.3	0.8	1
SCP095634	Soil	6.5	2.29	24.66	29.31	225.9	445	19.9	7.2	331	4.06	88.1	0.3	1.4
SCP095635	Soil	6.9	2.36	40.98	29.34	757.8	511	88.5	11.3	385	4.14	49.9	0.4	1.1
SCP095636	Soil	11	2.35	28.77	13.32	125.7	470	13	6.4	212	2.66	8.4	0.4	0.8
SCP095637	Soil	5.6	2.69	20.5	14.41	80.2	226	9.9	4.8	228	2.81	13.3	0.3	1.2
SCP095638	Soil	6.3	2	31.38	15.14	76.4	250	13.5	6.5	243	2.91	15.1	0.4	0.9
SCP095640	Soil	9.7	2.23	34.58	16.95	94.1	721	14.3	6.2	299	3.25	22.5	0.4	0.6
SCP095641	Soil	8.5	2.6	72.96	20.28	102.3	227	25.6	13	582	3.73	29.6	0.6	0.8
SCP095642	Soil	10	1.77	69.51	22.68	135.7	381	30.1	18.2	571	3.42	24.7	0.4	0.6
SCP095643	Soil	13.3	2.12	92.99	16.41	187	810	37.9	11.7	325	3.29	18.1	0.4	0.5
SCP095645	Soil	24.7	1.94	234.68	22.55	164.4	674	38.7	26.4	563	3.5	20.1	0.5	0.2
SCP095646	Soil	233	2.05	144.13	18.68	196.1	538	34.4	8.1	268	4.18	29.2	0.3	0.9
SCP095647	Soil	7.8	1.25	14.63	15.31	50.3	260	8.1	3.1	142	2.48	11	0.2	0.7
SCP095648	Soil	5.1	1.91	18.8	14.17	56.1	183	10.4	3.5	158	2.47	15.2	0.2	0.6
Scp095649	Soil	7.3	1.48	21.13	17.04	97.7	706	11.8	5.3	228	3.07	17.2	0.2	0.9
SCP095651	Soil	8	3.98	63.5	23.37	114.8	307	10.6	9.6	576	3.4	27	0.6	0.8
SCP095652	Soil	7.8	5.72	97.43	14.93	189.4	552	26.6	13.6	766	2.8	17.7	0.8	0.9

Sample Number	Type	Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm
SCP095653	Soil	5.2	7.09	75.33	18.58	133.8	619	13.9	9.9	682	2.95	15.4	1.2	0.4
SCP095654	Soil	7.6	3.13	54.02	15.27	83.7	414	9.4	4.5	248	2.8	21.8	0.5	1
SCP095655	Soil	14.5	3.33	60.93	19.11	86.3	99	10	8.3	519	3.27	29.8	0.5	1.3
SCP095656	Soil	8.6	5.57	158.5	49.65	142.3	1172	21.1	43.7	3003	4.63	28.9	1.4	0.5
SCP095657	Soil	8.2	4.57	88.13	22.66	57.5	1216	13.3	4	246	4	30.8	0.9	0.3
SCP095658	Soil	7.2	3.27	105.5	21.68	28	1352	6.3	6	84	9.71	82.2	1.2	0.4
SCP095659	Soil	14.1	1.04	24.39	14.31	38.6	132	6.6	3.4	108	1.53	5.1	0.3	<0.1
SCP095660	Soil	6.7	2.07	39.46	11.75	83.1	186	21.3	6.8	238	2.58	12.9	0.4	0.2
SCP095661	Soil	4	1.82	21.58	16.38	132	237	26.2	8.8	322	3.01	13.3	0.4	1.6
SCP095662	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095663	Soil	7.1	1.75	21.46	13.12	65.1	693	14.8	6.3	293	2.55	11.8	0.3	1.3
SCP095664	Soil	9.8	2.26	58.68	12.11	124.3	337	46	10.7	500	3.13	11.9	0.6	0.8
SCP095665	Soil	30.5	2.94	40.64	15.27	150.6	268	33.9	13.1	372	3.92	23.9	0.4	0.9
SCP095666	Soil	4.9	2.8	58.57	14.21	109.5	220	31	12.3	412	3.62	18	0.4	1.2
SCP095667	Soil	7.1	5.63	176.44	27.33	191.3	574	43.8	23.2	1334	4.86	26.2	1.6	0.6
SCP095668	Soil	6.4	2.43	43	18.19	105.6	358	28.1	10.8	268	3.71	21.6	0.4	1.5
SCP095669	Soil	6.5	0.9	8.58	15.29	63.7	391	6.4	2.7	133	1.81	5.5	0.4	1.7
SCP095670	Soil	6.7	1.24	40.49	13.23	89.2	276	14.7	6.6	547	2.03	8	0.5	0.6
SCP095671	Soil	4.2	1.65	22.06	14.26	47.9	106	8.8	4.5	138	2.41	10.8	0.3	0.9
SCP095672	Soil	10.7	0.8	14.61	8.85	77.3	93	8.8	3.8	230	1.56	4.9	0.4	1.2
SCP095673	Soil	4	1.25	19.43	12.47	89	152	10.7	4.6	238	2.03	8.2	0.4	1.2
SCP095675	Soil	5.8	1.44	32.11	15.2	162.6	300	15.8	7.1	267	2.86	15.4	0.5	1.1
SCP095676	Soil	7.2	1.24	41.34	14.98	193.9	129	19.9	9.2	671	2.63	11.8	0.4	0.3
SCP095677	Soil	4	0.98	16.18	11.1	75.1	158	10.8	4.4	276	1.75	5.8	0.3	0.7
SCP095678	Soil	104.1	0.86	23.81	10.02	84.9	172	14.6	4.6	239	1.82	5.8	0.4	1
SCP095679	Soil	3.9	2.06	55.51	23.9	131.5	540	19.7	12.6	802	3.17	13.7	0.7	0.4
SCP095680	Soil	3.1	1.63	62.97	14.9	98.7	376	16.8	18.7	555	2.9	10.8	0.4	0.7
SCP095681	Soil	3.6	1.85	39.51	16.28	101.6	192	18.2	7.3	425	3.56	21.8	0.3	1
SCP095682	Soil	3	1.53	79.62	20.56	89.9	436	19.9	6.4	312	2.77	12.2	0.5	0.3
SCP095683	Soil	6.3	1.69	114.72	16.93	63.7	1298	18.6	6.1	229	3.4	16.6	0.6	1.8

Sample Number	Type	Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm
SCP095684	Soil	9.1	1.59	62.89	30	72.9	625	18.1	7.3	241	3.97	23.8	0.3	1.8
SCP095685	Soil	3.9	1.37	56.18	12.14	114.7	319	24.3	4.7	249	2.37	16.2	0.4	0.7
SCP095686	Soil	7.2	1.47	640.01	24.26	24.3	3781	19.4	4.4	73	6.65	11.9	3.5	0.4
SCP095687	Soil	9.7	1.55	93.62	21	41.3	3625	22.1	4.1	139	6.82	16.8	0.6	0.9
SCP095688	Soil	17.2	2.13	52.81	41.12	57.3	2124	23.5	4	213	4.8	31.4	0.3	0.7
SCP095689	Soil	6.6	1.72	81.7	25.46	82.3	1035	18.7	7.1	245	3.8	19.8	0.5	1
SCP095690	Soil	8.6	1.85	79.78	25.43	71.6	351	14.9	5.6	247	3.9	22.3	0.6	1
SCP095691	Soil	7.7	2.06	82.96	29.56	175.2	1794	19.3	16.1	342	4.23	29.8	0.4	1.3
SCP095692	Soil	4.4	1.82	51.29	36.13	214.1	697	11.7	7.2	324	6.03	31.5	0.4	1.6
SCP095693	Soil	7	1.15	22.66	27.05	129.8	852	8	5.7	241	4.1	20.5	0.3	1.2
SCP095694	Soil	6.2	2.82	46.01	28.3	138	595	16.7	7.7	303	5.2	32.4	0.4	1.5
SCP095695	Soil	6.5	3.48	24.59	29.61	47.8	697	6.6	2.3	130	7.88	28.1	0.2	1
SCP095696	Soil	24.9	2.33	53.36	22.29	163.1	697	10.6	8.8	264	4.37	29.1	0.4	1.5
SCP095697	Soil	4.3	2.61	48.12	25.5	79.3	860	10.6	5.5	186	4.41	19.5	0.5	1.4
SCP095698	Soil	5.1	3.72	31.3	25.22	60.5	591	5.8	3	160	4.68	25	0.3	1.1
SCP095699	Soil	4.8	4.13	75.61	32.75	119.7	873	11.1	6.4	243	4.54	19.2	0.4	1.5
SCP095700	Soil	12.1	6.59	171.37	40.57	89.3	1736	12.2	7.3	246	6.24	36.5	0.8	2.4
SCP095701	Soil	15.7	4.8	252.38	22.14	46	2969	5.8	4.8	132	4.27	14.4	1.4	1.4
SCP095702	Soil	14.5	4.37	174.82	32.81	48.1	978	10.2	3.9	188	6.26	36.7	1.4	1.1
SCP095703	Soil	8.9	3.33	88.36	28.21	79.6	907	9.7	4.1	219	4.94	23.4	0.6	1.1
SCP095704	Soil	14.5	3.23	38.62	23.1	42.1	946	6.6	3.8	136	4.36	17.2	0.3	0.7
SCP095705	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095706	Soil	4.7	1.45	28.19	16.27	157.9	192	17.3	7	221	2.76	16.8	0.3	1.1
SCP095708	Soil	4.2	1.72	66.82	16.08	189.9	113	38.4	13.2	359	3.45	26.7	0.4	1.7
SCP095709	Soil	3.2	2.95	79.89	24.48	376.2	608	33.3	30.9	2535	4.29	27.7	0.5	0.9
SCP095711	Soil	57.2	1.88	20.37	16.09	102.7	446	11.8	5	206	2.75	17.3	0.3	0.8
SCP095712	Soil	27.2	1.8	24.94	21.02	79.5	528	12.4	4.2	203	3.73	21.5	0.3	0.9
SCP095713	Soil	5	3.11	93.18	23.72	136.9	192	35.8	9.6	298	4.24	39.2	0.4	1.4
SCP095715	Soil	12.4	2.78	116.95	56.47	82.4	1727	21.8	4.8	273	6.93	87.5	0.4	1.4
SCP095716	Soil	14.2	2.26	81.57	20.19	116.2	467	22.3	9.5	395	3.41	19.5	0.5	0.9

Sample Number	Type	Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm
SCP095717	Soil	8.6	2.56	85.94	14.65	140.9	176	21.7	7.2	509	3.04	19.9	0.4	0.6
SCP095718	Soil	6.1	3.13	63.95	20.23	120.9	601	23.5	8.9	316	4.74	31	0.5	1.4
SCP095720	Soil	3.2	2.08	27.76	20.12	62.8	303	16.2	5.7	232	3.57	19.6	0.3	0.8
SCP095721	Soil	24.8	2.51	36.85	22.63	141.4	761	18.2	8.1	300	4.76	32	0.4	1.3
SCP095723	Soil	4.9	3.13	61.62	22.07	95.4	858	19.8	24.4	754	3.76	22.1	0.5	1
SCP095724	Soil	3.7	2.54	52.87	25.28	80.1	340	17.2	9.1	361	3.91	22.8	0.5	1.5
SCP095725	Soil	3.3	2.88	60.03	21.29	85.5	608	17.7	7.7	316	3.68	23.4	0.5	1.2
SCP095727	Soil	10.5	2.32	67.61	17.18	153.2	433	22.3	21.9	880	3.49	19.2	0.7	0.5
SCP095728	Soil	30.4	3.14	51.91	18	77.1	329	16.6	6.2	315	3.25	19.7	0.5	0.9
SCP095729	Soil	11.6	5.16	99.45	28.13	84.6	650	13	5.5	298	4.72	26.4	0.8	1.5
SCP095731	Soil	14.1	4.95	66.03	25.77	50.8	912	13.6	4.2	215	4.03	24.9	0.7	0.9
SCP095732	Soil	6.4	3.48	41.83	17.42	59.9	219	6.9	4.1	232	3.72	29.4	0.4	1.1
SCP095733	Soil	8.8	5.06	62.36	22.38	55.4	576	6.1	3	228	4.78	25.6	0.4	2.7
SCP095734	Soil	21.5	3.74	69.71	22.23	48.9	1092	7.8	5.2	266	3.63	26.2	0.6	2.4
SCP095735	Soil	6.6	3.53	70.43	22.31	49.2	844	9.2	3.8	174	3.65	24	0.8	2.3
SCP095736	Soil	8.2	5.02	57.37	21.64	90.9	668	9.1	5.3	184	3.8	24.5	0.4	2
SCP095737	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095739	Soil	3.2	1.69	40.52	18.09	169.9	723	11.5	10.6	438	3.07	13.7	0.5	1.8
SCP095740	Soil	2.7	1.27	17.15	18.18	156.5	416	10.5	9.4	267	3.3	18	0.3	1.4
SCP095741	Soil	38.2	3.3	80.06	19.48	61.1	511	10.9	5.5	237	3.34	21.6	0.5	1.9
SCP095742	Soil	8.1	3.48	54.38	25.75	56.2	469	10.4	4.4	226	4.18	34.3	0.5	1.2
SCP095743	Soil	17.9	4.33	115.84	21.88	60.8	942	13.4	5.5	249	4.42	27	0.4	2
SCP095744	Soil	15.4	9.99	61.48	28.04	45.8	466	6.6	2.9	154	4.97	29.3	0.6	1.4
SCP095745	Soil	24	5.36	75.63	26.29	45.4	602	11.6	3.2	196	7.28	28.5	0.4	1.9
SCP095746	Soil	10.4	5.44	79.18	18.81	45.2	328	8.8	3.4	194	4.98	21.8	0.4	2.1
SCP095747	Soil	5.7	5.51	89.45	8.42	26	523	2.3	1.4	53	27.2	22.6	0.3	0.7
SCP095748	Soil	22.7	3.35	67.01	25.58	72.1	1121	20.1	7.3	386	3.68	15.3	0.5	0.7
SCP095749	Soil	7.6	2.02	33.17	22.04	41.9	501	12.7	5.9	312	2.4	12	0.4	0.6
SCP095750	Soil	9.3	4.69	72.83	23.5	81.5	366	17.1	9.2	366	4.27	23.9	0.4	0.9
SCP095751	Soil	19.3	4.23	67.18	16.34	64.1	1503	5.9	3.2	179	2.67	13.3	0.6	0.3

Sample Number	Type	Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm
SCP095752	Soil	11	2.98	69.03	23.67	65.9	732	12.7	3.7	240	4.17	24.2	0.8	0.5
SCP095753	Soil	11.9	3.48	112.34	23.32	113.5	1152	16.4	8.4	346	4.19	27.4	0.9	0.5
SCP095754	Soil	7.1	2.49	68.58	18.87	85.1	507	13.4	8.5	402	3.35	16.8	0.6	0.3
SCP095755	Soil	13.4	5.26	92.12	24.32	92.5	595	12.6	5.5	277	4.18	29.8	0.6	0.3
SCP095756	Soil	15.5	5.18	103.27	28.81	79.1	807	12	4.7	228	4.58	32.3	0.8	0.6
SCP095757	Soil	11.4	4.15	112.76	36.56	120.1	1601	14.9	6.9	328	4.48	31.9	1.1	0.6
SCP095758	Soil	13.5	4.65	105.66	30.42	117.8	952	14.9	6.9	308	4.77	34.7	0.8	0.8
SCP095759	Soil	10.3	4.75	72.63	32.69	113.1	991	8.9	4.6	207	4.97	36.1	0.5	1
SCP095760	Soil	10.1	4.66	133.45	23.98	182.8	431	17	7.3	355	4.82	30.7	0.8	1.1
SCP095761	Soil	12.2	4.3	95.52	22	171.7	519	18.3	8.7	547	4.63	35.6	0.7	1
SCP095762	Soil	19.5	3.68	86.1	18.79	120	370	17.7	5.4	383	3.91	28.8	0.7	0.9
SCP095763	Soil	10.6	2.3	73.9	29.03	175.2	323	16.5	16.6	738	3.64	21.2	0.7	1.3
SCP095764	Soil	13.4	4.96	241.77	30.12	71.8	3781	12.4	6.8	198	4.68	21.6	1.6	1.7
SCP095765	Soil	9	3.84	68.57	32.69	98.2	653	12.9	6.4	236	4.93	30.7	0.5	2.2
SCP095766	Soil	8.5	3.97	93.78	32.3	98.5	663	17	7.2	227	6.13	35.1	0.4	2
SCP095767	Soil	108.6	3.63	147.35	19.83	67.9	279	15.6	5	250	4.3	19.6	0.5	1
SCP095769	Soil	1.7	1.64	36.12	15.68	96.1	248	16.9	6.1	347	2.18	7.1	0.5	1.1
Scp095770	Soil	5	1.22	29.55	19.12	143.1	568	21.1	9.9	231	2.9	12	0.5	2.4
Scp095771	Soil	3.8	1.8	22.99	21.64	101.6	300	15.8	7.4	304	3.75	18.9	0.4	1.8
Scp095772	Soil	85.3	1.24	12.35	20.04	56.6	293	10.2	4.8	180	3.57	12.4	0.4	1.9
Scp095773	Soil	1.5	1.05	41.41	14.38	84.9	349	13.9	9.3	518	2.12	5.7	0.5	1.3
Scp095774	Soil	5.1	1.71	41.49	16.52	106	313	19.2	12.5	323	3.52	17.1	0.4	1.4
Scp095775	Soil	3.8	1.39	42.92	19.95	119.2	836	29	9.6	314	4.21	17.9	0.4	1.4
Scp095776	Soil	5.6	1.59	40.84	21.64	121	448	25	10.1	365	4.73	21.9	0.4	1.9
Scp095777	Soil	0.7	1.82	16.31	18.51	104	287	8.3	5.7	268	4.24	12.1	0.4	1.6
Scp095778	Soil	12.2	1.22	19.35	14.59	82.2	900	20.2	11.8	269	2.73	15.7	0.5	2
Scp095779	Soil	1.5	1.08	18.81	14.98	79.7	639	12.8	5.9	197	3.3	9.9	0.4	1.6
Scp095780	Soil	3.9	1.62	31.68	22.62	82.4	251	21.8	7	253	4.51	18.4	0.4	1.8
Scp095781	Soil	3.9	1.25	14.23	20.35	180.6	499	12.8	7.7	269	4.12	13.8	0.4	1.9
Scp095782	Soil	7	1.23	26.3	21.15	181.4	419	16.1	9.3	257	4.64	21.1	0.5	1.8

Sample Number	Type	Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm
Scp095783	Soil	4	1.78	27.59	21.11	160.6	595	10.3	13.4	333	4.12	24.7	0.3	1.4
Scp095784	Soil	2.5	3.08	37.16	23.14	332.2	329	13.7	10.5	348	5.24	34.2	0.3	1.2
Scp095785	Soil	6	1.26	19.91	17.35	177.6	624	10.6	7.3	264	4.62	20.5	0.3	1.1
SCP095787	Soil	4.6	1.34	41.2	21.86	234.1	528	13.2	14	443	4.56	21.7	0.3	1.3
SCP095788	Soil	3	1.7	17.08	19.47	119.1	747	10.5	6.9	243	4.59	18.5	0.3	1.3
SCP095789	Soil	3.9	2.51	55.43	22.91	131.7	461	18.8	9	325	4.78	26.7	0.5	1.9
SCP095790	Soil	5.8	2.88	49.27	29.91	77.2	171	12.6	7.8	291	6.01	24.8	0.4	1.6
SCP095791	Soil	8.1	3.53	63.53	20.54	48.3	848	7.5	4.2	176	7.12	20.6	0.5	1.5
SCP095792	Soil	24.2	3.07	70.94	18	38.1	483	8.6	3.6	165	10.68	22.7	0.4	1.4
SCP095793	Soil	16.8	3.67	69.45	30.42	74.4	481	10	5.7	221	6.09	29.3	0.4	1.7
SCP095795	Soil	14.9	3.93	88.72	19.85	54.3	786	14	4.9	234	4.87	27.4	0.7	1.6
SCP095796	Soil	73.6	3.46	43.02	22.16	51	1036	14.9	4	219	5.31	31.5	0.4	1.4
SCP095797	Soil	16.2	3.3	49.17	23.79	35.1	808	12.3	2.5	174	15.98	29.5	0.6	1.1
SCP095799	Soil	3.5	1.6	37.52	16.61	1590.6	376	63	15.4	1273	3.92	35.5	0.5	0.7
Scp095801	Soil	14	2.35	43.03	18.73	261	421	29.7	9.8	380	3.31	33.4	0.5	1.5
Scp095802	Soil	12.9	1.71	30.86	12.2	137.3	171	17.9	6.9	370	2.42	14.7	0.4	0.8
Scp095803	Soil	9.6	4.17	182.55	22.25	211.2	419	34.4	27.2	812	3.25	29.2	0.8	0.5
Scp095804	Soil	8.3	1.87	36.02	12.92	176	216	20.9	6.6	416	2.51	18.5	0.6	0.8
Scp095806	Soil	27.2	3.55	73.44	26.83	315	2009	52.9	35.7	1428	4.47	34.3	0.8	0.7
Scp095807	Soil	4.5	2.24	48.11	18.51	196	448	23.6	8.6	554	3.22	22.7	0.6	0.7
Scp095808	Soil	9.6	2.69	58.89	26.72	85.3	846	22.4	13	450	3.97	26.2	0.4	1.3
Scp095809	Soil	15.1	2.78	53.43	30.84	32.8	1348	10.6	3.4	182	11.72	21.7	1.5	1.7
Scp095811	Soil	21.3	2.89	73.85	33.78	31.7	1018	10	3.4	166	16.58	27.3	1	3.5
Scp095812	Soil	9.9	2.7	99.46	20.84	76.2	1207	21.4	8.9	257	7.32	30.1	0.5	1.7
Scp095813	Soil	11.5	1.76	85.49	42.13	85.8	1424	53.5	4.6	356	8.03	81.4	0.3	0.9
Scp095814	Soil	7.2	2	33.42	21.49	60.3	663	16.4	5.5	221	4.07	16.4	0.4	1.8
Scp095816	Soil	7.4	2.02	56.19	21.48	85.8	444	20	10.6	257	3.5	19.5	0.5	1.6
Scp095817	Soil	3.7	1.91	42.7	22.03	115.8	678	22.3	15.3	404	3.84	19.1	0.4	1.6
Scp095818	Soil	5.3	2.61	100.81	19.9	87.6	451	31.7	11.1	289	4.08	23.3	0.6	2
Scp095819	Soil	6.3	1.79	52.61	20.32	124.5	268	22.9	10.5	295	4.08	21.2	0.5	2.1

Sample Number	Type	Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm
Scp095821	Soil	12.1	2.55	78.59	28.19	97.8	871	24.1	11.1	317	4.97	33.3	0.5	2.3
Scp095822	Soil	9.4	3.48	45.32	19.27	43.8	1242	8.8	3.5	123	3.87	22	0.4	1.5
Scp095823	Soil	9.9	2.54	88.51	26.31	134.6	1106	28.7	12.5	344	4.7	32.6	0.6	2.1
Scp095825	Soil	6.2	2.35	51.01	24.63	83.6	950	21	6.2	301	3.76	25.5	0.4	1.2
Scp095826	Soil	7.2	1.82	56.33	21.86	96.6	1579	16.6	8.3	243	3.35	25.1	0.7	2.2
Scp095827	Soil	15.3	3.63	149.41	37.86	115.7	3888	25	12.3	242	4.78	38.7	1.1	2.9
Scp095828	Soil	25.2	1.79	30.73	19.06	143.8	874	20	11	394	3.48	25.6	0.5	1.8
Scp095829	Soil	22.1	1.75	20.21	17.15	80	1115	10.4	6.2	276	3.2	16.6	0.3	1.4
Scp095830	Soil	4.1	1.94	29.67	19.28	96.8	627	15	6.7	249	3.18	20.4	0.3	1.3
Scp095831	Soil	2.3	1.21	31.25	10.44	11.4	397	2.7	1.1	27	3.75	43.8	1	0.1
Scp095832	Soil	6.4	2.56	38.58	14.69	65.1	428	12.1	5.4	287	2.43	12.6	0.4	0.7
Scp095833	Soil	10.4	3.08	110.08	32.62	149.8	1300	18.6	17	405	4.26	23.6	0.7	1.3
Scp095834	Soil	11.9	6.1	72.83	31.06	45	664	11.6	3.7	167	6.11	30.9	0.6	1.5
Scp095836	Soil	17.5	4.49	84.45	30.53	45.9	1212	11.7	4.2	183	5.16	23.7	1.1	1.8
Scp095837	Soil	32.5	5.45	98.98	28.43	58.9	724	15	4.8	240	5.48	38	0.7	3.2
Scp095838	Soil	14.9	2.6	38.94	15.13	78.9	329	98.6	12.7	628	5.96	14.8	0.5	0.9
Scp095839	Soil	9.2	3.14	60.84	21.23	76.8	792	11.8	4.2	171	5.1	27.9	0.4	1.6
Scp095840	Soil	19.2	8.21	87.82	27.68	46.2	613	7.4	3.2	158	4.92	33	0.9	1.2
Scp095841	Soil	11.8	3.73	63	22.7	60.1	576	22.2	4	248	3.65	26.7	0.5	0.8
Scp095842	Soil	249.2	4.06	112.85	34.66	65.1	680	10.5	4.4	225	4.03	25.3	0.8	1.8
Scp095843	Soil	8	1.32	33.06	16.9	51.6	399	6.3	3.4	165	1.67	8	0.4	0.5
Scp095844	Soil	9.8	2.65	61.96	13.58	83.4	300	13	9.3	362	2.6	13.8	0.5	0.4
Scp095845	Soil	8.3	2.59	89.39	25.84	126.2	1097	18.5	12.9	518	3.7	25.6	0.7	1.5
Scp095847	Soil	7.9	2.97	61.41	20.28	118.9	328	12.5	8.5	518	2.89	18.6	0.8	0.7
Scp095848	Soil	0.3	10.37	45.2	4.93	100	481	2.3	4	214	>40.00	44.6	0.2	0.3
Scp095849	Soil	5.8	2.11	13.85	10.72	35.5	1465	4.2	2.1	140	6.28	10.7	0.3	0.9
Scp095850	Soil	7.5	1.88	52.26	17.37	88.4	1755	11.2	5.7	530	3.04	16.6	0.6	1.6
Scp095851	Soil	4.7	2.36	111.71	30.5	353.3	646	41.7	20	1488	4.37	32.2	1	0.9
Scp095852	Soil	5.5	1.35	16.67	32.84	222.3	452	14.2	10.9	536	3.76	21.8	0.3	0.8
Scp095853	Soil	6.9	3.45	184.03	37.5	946.1	1567	92.7	37.9	1761	4.56	42.2	1.9	1.6

Sample Number	Type	Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm
Scp095854	Soil	16.3	6.09	163.3	53.95	343.2	1176	144.5	86.1	7973	5.44	47.3	1.3	1.6
Scp095855	Soil	5	3.53	266.86	27.06	205.8	1588	48.6	37.6	1999	4.59	25.7	2.4	1.4
Scp095856	Soil	8.9	1.41	46.43	14.03	125.3	385	22	8.8	500	2.97	15.1	0.5	0.5
Scp095857	Soil	5.5	1.8	58.77	12.62	116.4	332	19.4	7.1	364	2.8	13.5	0.5	0.7
Scp095859	Soil	5.1	2.32	71.59	17.85	133.2	423	17.4	8.3	571	3.08	17.7	0.5	0.5
Scp095860	Soil	4.6	3.55	123.38	21.56	189.1	493	30.4	24.8	1092	4.27	22.5	0.7	1.3
Scp095861	Soil	7.2	3.31	101.58	14.67	165.9	698	27.1	15.3	1046	3.19	18.2	0.9	1.1
Scp095862	Soil	4.4	3.52	132.44	26.06	159.1	775	27.9	12.1	824	4.07	22.9	1.3	1
Scp095863	Soil	5.5	2.66	59.1	15.08	101.5	322	21.5	7.9	475	3.09	16.8	0.6	0.8
Scp095864	Soil	3.2	3.46	153.98	27.67	174.5	1116	30.1	14.3	976	4.47	22.3	1.1	1
Scp095865	Soil	5.6	3.91	130.64	23.72	174.2	769	27.6	14.4	795	4.58	27.5	1.3	1
Scp095866	Soil	10.1	4.14	123.27	14	241.3	1000	48.8	38.5	1268	4.73	25.2	1.5	1.6
Scp095867	Soil	1.3	207.9	19.06	1.05	8.5	247	3.5	1.2	>10000	0.13	7.9	23.2	<0.1
Scp095869	Soil	9.1	3.65	92.57	24.1	100	1293	17.8	11.5	458	4.27	20.4	0.4	1
Scp095870	Soil	9.6	3.63	86.45	17.58	78.4	609	16.4	7.6	284	2.96	16.1	0.5	1.1
Scp095951	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Scp095952	Soil	0.8	2.64	94.89	3.28	17	203	4.9	4.6	10	24.86	95.9	0.8	0.6
Scp095953	Soil	<0.2	0.81	58.9	0.96	6.3	236	3.1	2.4	9	14.71	31.8	0.5	0.3
scp095954	Soil	6	3.13	106.17	20.87	33.4	808	11.2	3.8	127	3.92	25.4	1	0.3
Scp095955	Soil	4	2.03	186.29	15.71	19.2	1618	6.7	3.3	51	2.06	13.8	3.1	0.1
Scp095956	Soil	6.1	2.1	82.62	14.21	74.5	841	12.9	6.7	247	2.71	13	0.8	0.6
Scp095957	Soil	8.8	3.16	73.52	21.21	68.2	1262	12.8	6.3	242	3.15	14	0.8	1
Scp095958	Soil	5.1	4.47	56.02	23.63	68.6	714	10.3	5.9	210	4.18	19.9	0.5	1.5
Scp095959	Soil	7.1	5.21	119.88	20.2	57.1	623	10.1	5.9	212	3.8	17.6	0.9	1.2
Scp095960	Soil	11.9	4.03	186.12	17.48	53	1890	11.4	12.1	187	4.63	15.6	1.6	1.6
Scp095961	Soil	14.1	4.07	89.2	25.42	58.6	668	12.2	6	194	5.62	26.2	0.4	1.5
Scp095962	Soil	4.3	3.82	43.19	26.04	60.6	628	11.8	4.6	174	5.76	22.7	0.4	1
Scp095963	Soil	3.5	3.62	40.88	23.68	73.5	418	15.3	5.5	232	4.63	21.1	0.3	1.1
Scp095964	Soil	30.5	2.91	25.8	23.72	54.9	452	6	3.2	162	4.15	14.6	0.3	1
Scp095965	Soil	6.3	3.97	73.34	21.68	73.4	638	15.4	5.4	226	3.69	15.5	0.6	0.7

Sample Number	Type	Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm
Scp095966	Soil	18.7	5.21	79.36	20	78.8	486	21.1	4.6	260	3.89	20.3	0.6	1
Scp095967	Soil	5.8	4	93.73	22.07	102.1	563	13.8	6.3	272	3.67	15.9	0.7	0.8
Scp095968	Soil	3.4	4	40.65	30.57	95.1	795	11.1	5.3	212	5.48	24.8	0.4	0.8
Scp095969	Soil	12	2.42	46.69	23.44	127.3	700	12.7	8	283	3.86	19.1	0.4	1
Scp095970	Soil	6.4	3.25	51.48	16.52	100.1	522	16.2	6.4	258	3.59	17.6	0.5	0.6
Scp095971	Soil	13	5.2	55.41	24.21	153	526	18	6	358	5.48	34.5	0.5	0.6
Scp095972	Soil	4.3	5.25	45.3	28.7	105	377	15.8	7.6	354	4.29	24.4	0.3	1
Scp095973	Soil	10.3	1.87	49.64	30.03	141	1667	16.9	10.3	406	4.74	27.2	0.4	0.8
Scp095974	Soil	7.8	1.58	34.75	22.98	106.8	404	15.4	6.9	314	4.3	22.5	0.4	0.7
Scp095975	Soil	7.1	1.83	40.45	28.4	115.4	1072	15	7.2	303	4.77	27.6	0.3	1.2
Scp095976	Soil	7.5	1.54	45.62	28.4	148.6	1757	20.9	8.8	621	5.13	29.5	0.3	1.2
Scp095977	Soil	10.7	2.03	49.49	38.83	75.4	1869	17.8	6.3	257	5.29	31.6	0.3	1.3
Scp095978	Soil	8.1	0.39	68.98	2.49	5.7	1631	2.9	1.1	10	21.75	7.3	1.9	0.6
Scp095979	Soil	15	0.7	112.06	4.51	16.4	5724	7.9	3.1	28	0.46	1.1	4.4	0.4
Scp095980	Soil	8.8	2.69	20.35	13.29	28.8	824	4.6	1.6	126	11.32	210.6	0.2	0.9
Scp095981	Soil	5.4	3	68.23	15.83	47.7	601	16.6	11.3	349	23.26	30.5	0.6	1.4
Scp095982	Soil	13.2	3.54	98.26	25.71	68.4	904	16.9	5.8	339	7.54	33.9	1.4	2.2
Scp095983	Soil	5.1	1.65	20.25	20.85	88.9	1423	11.3	5.8	295	3.55	19	0.3	1.4
Scp095984	Soil	20	2.33	52.6	23.56	115.2	1429	20.3	11.6	342	4.49	33.8	0.5	1.9
Scp095985	Soil	8.7	2.33	46.19	27.66	142	860	18.6	10.3	301	4.88	29.5	0.4	1.9
Scp095986	Soil	8.9	2.43	45.33	21.4	125.6	496	19.4	11.5	339	4.34	32.9	0.3	1.6
Scp095987	Soil	4.5	2.55	58.7	24.86	105	545	22.9	8.2	353	4.93	36.2	0.4	1.9
Scp095988	Soil	6.3	2.35	78.95	25.71	101.6	528	30.2	11.3	312	5.16	32.6	0.5	2.4
Scp095989	Soil	16.9	2.24	48.06	41	68.2	1013	32.6	4.8	245	5.37	34.7	0.5	2
Scp095990	Soil	16	1.52	30.15	18.26	59.2	880	14.6	5.3	179	3.22	18	0.3	1.3
Scp095991	Soil	5.4	2.24	66.93	24.72	101.8	588	21.4	9.9	294	4.35	28.1	0.4	1.7
Scp095992	Soil	9	1.88	49.09	19.53	96.8	839	20.8	8.5	268	4.37	25.7	0.4	1.7
Scp095993	Soil	15.8	2.89	70.88	20.44	48.3	2924	16	4.5	137	16.09	82.8	0.5	1.8
Scp095994	Soil	9.3	2.77	90.88	33.78	31.3	1459	10.3	3.5	148	22.82	44.9	0.6	2.1
Scp095995	Soil	18.5	1.95	43.68	18.3	88.4	195	19.8	9.4	366	3.98	21.7	0.4	1.3

Sample Number	Type	Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm
Scp095996	Soil	13.8	2.15	32.61	21.29	50.6	751	14	5.4	189	4.14	19.7	0.4	1.1
Scp095997	Soil	7.9	2.16	70.99	21.02	69.9	737	21.1	7.7	279	4.1	22.1	0.4	1.4
Scp095998	Soil	22.5	2.57	85.86	47.43	134.3	386	47.8	11.4	481	5.02	69.3	0.5	1.9
Scp095999	Soil	8.5	2.53	84.27	24.01	63.6	1175	21	6.9	287	5.12	20	1	2
SCP096001	Soil	6.1	3.17	108.63	34.91	84.7	885	17.6	11.4	310	3.58	13.4	0.5	0.8
SCP096002	Soil	9.2	3.33	57.92	31.07	52.4	562	14.1	4.1	215	3.45	19.7	0.4	1.2
SCP096004	Soil	11.9	3.45	86.26	25.78	68	586	15	5.4	252	3.89	25.8	0.7	1.6
SCP096005	Soil	4.4	2.52	50.25	24.59	58.9	1011	14.4	5.1	272	3.21	17	0.4	0.8
SCP096006	Soil	7.6	2.02	89.03	25.72	77.3	2580	18.3	11.1	290	3.36	13.9	0.8	1.1
SCP096007	Soil	15.9	2.58	66.15	20.85	63.8	671	15.7	4.8	250	3.21	17.9	0.6	0.5
SCP096008	Soil	7.4	2.32	45.97	12.35	47.6	610	15.1	3.2	188	2.4	12.8	0.4	0.5
SCP096009	Soil	2.4	1.59	32.95	14.74	117.3	1198	23.8	7.8	253	3.55	31	0.3	1
SCP096010	Soil	18.2	0.96	13.06	14.88	201.8	286	11.5	5	186	2.64	13.6	0.2	0.9
SCP096011	Soil	11.5	1.49	73.09	21.88	356	540	43.7	11.9	331	3.74	23.6	0.3	0.8
SCP096012	Soil	5.9	1.55	28.81	18.7	202.8	358	20.7	9.2	336	4.35	37.5	0.3	1.3
SCP096013	Soil	20.3	1.86	46.67	16.3	114.3	488	17.8	7.5	382	3.2	19.3	0.4	0.5
SCP096014	Soil	3.2	2.21	129.39	29.22	211.6	1200	40.5	18.3	1312	4.22	23.4	0.9	1.3
SCP096016	Soil	477.7	2.13	64.83	18.12	196.3	539	50	17.2	991	3.97	23.6	0.5	0.7
SCP096017	Soil	6.6	1.62	36.97	12.31	120.4	232	17.4	6.5	412	2.76	17	0.4	0.6
SCP096018	Soil	30	3.24	163.01	31.03	182.3	1322	30.7	16.7	909	4.22	27.8	1.3	0.5
SCP096019	Soil	18.3	3.49	88.61	20.51	181.6	483	24.3	11.8	555	4.1	28.7	0.6	0.8
SCP096020	Soil	4.4	1.7	43.89	12.28	117.7	395	22.8	8.4	481	2.64	11.6	0.4	0.7
SCP096021	Soil	9.3	1.98	72.36	16.92	109.7	717	20.5	6.9	428	2.87	13.9	0.6	0.6
SCP096022	Soil	5	2.12	86.25	15.34	122.4	554	23.2	7.9	447	2.95	13	0.7	0.7
SCP096024	Soil	15.6	5.38	93.34	16.42	104.8	324	20.2	5.4	490	8.45	35.9	0.6	1.4
SCP096025	Soil	6.2	1.89	44.57	11.71	82.5	695	18.1	8	623	2.77	11.5	0.6	0.5
SCP096026	Soil	4.8	3.13	109.9	18.74	143.5	900	26.8	16.5	690	3.59	19.7	0.9	0.7
SCP096027	Soil	4.5	2.78	54.75	14.8	94.3	532	17.7	8.6	365	3.49	24.4	0.5	1
SCP096028	Soil	7.1	3.06	74.92	19.36	95.6	809	19.9	8.1	348	3.46	20.4	0.6	1.1
SCP096029	Soil	5.5	3.68	70.77	26.55	73.2	844	16	5.8	255	4.07	23.5	0.4	1

Sample Number	Type	Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm
SCP096030	Soil	7	1.88	26.19	14.19	38.5	441	8	3.1	168	1.88	7.5	0.3	0.5
Scp096051	Soil	5.7	1.97	77.29	20.18	106.5	310	21.2	9.3	358	3.45	21.8	0.5	0.7
SCP096052	Soil	8.3	2.09	94.74	21.49	107.2	402	21.8	8.4	458	3.5	22.1	0.7	0.6
Scp096053	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096054	Soil	11.3	3.3	99.74	18.81	191.9	496	25.9	16	1309	4.31	23	0.9	0.7
SCP096055	Soil	5.7	6.9	95.07	13.11	105.5	1311	21.9	27.9	1991	15.9	28.7	1.8	1.4
SCP096056	Soil	5.6	3.23	58.05	17.5	142.9	625	22.3	14.8	826	4.26	23.4	0.6	0.8
Scp096057	Soil	8.2	2.44	71.67	21.96	128.7	2461	29.8	11.1	312	3.6	33.4	0.7	1.7
Scp096058	Soil	4.7	2.4	78.46	21.67	114.5	834	26.2	8	330	4.65	35.9	0.5	1.9
Scp096059	Soil	28.2	3.76	158.4	40.96	91.3	1456	20.3	7.4	269	4.88	40.7	1.3	2.2
SCP096060	Soil	18.8	1.49	18.39	16.23	148.4	453	10.6	5.5	205	2.13	5.7	0.3	1.4
Scp096061	Soil	7.4	1.97	37.42	20.65	105.4	741	11.4	5.4	303	4.09	24.4	0.4	1.2
SCP096062	Soil	8.1	1.84	37.82	26.57	92.7	772	15	6.3	335	3.48	20.4	0.4	0.8
SCP096063	Soil	8.4	2.6	57.42	35.74	102.6	708	16.7	6.1	305	6.12	32.7	0.3	1.5
SCP096064	Soil	6.2	3.89	39.34	30.11	45.9	399	10.6	3.6	186	11.18	45.2	0.3	1.1
SCP096101	Soil	49.2	1.63	16.67	17.53	219	293	16.1	6.9	275	3.13	29.3	0.3	1
SCP096102	Soil	3	1.99	24.87	16.58	118.4	364	17.7	8.6	311	3.1	24.4	0.3	1.1
SCP096103	Soil	22.1	1.62	20.45	17.83	116.1	220	17.7	7.9	250	3.74	31	0.3	1.3
SCP096104	Soil	5.5	1.85	27.51	20.65	130.6	114	17.6	7.7	276	3.69	42.5	0.4	1.2
SCP096105	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096106	Soil	6.6	2.24	62.46	19.67	144.8	216	21.6	10	518	3.43	22.4	0.6	0.6
SCP096107	Soil	9.2	1.61	48.73	23.79	77.5	565	23.6	6.1	279	3.36	18.1	0.4	0.7
SCP096108	Soil	8.4	1.41	20.09	18.3	78.4	324	7.8	5.8	566	2.78	15	0.3	0.4
SCP096109	Soil	5.7	1.77	47.31	20.47	81.2	923	16.1	6.4	303	3.38	24.2	0.4	0.8
SCP096110	Soil	11.7	2.1	74.49	23.92	116.4	815	19.8	11.1	588	3.9	28.2	0.4	1
SCP096111	Soil	4.1	1.83	45.9	22.35	121.9	504	17.8	8.9	354	4.04	28.1	0.4	1
SCP096112	Soil	5.7	2.95	69.17	18.67	87.9	494	15.8	13.9	1076	3.2	18.2	0.4	0.9
SCP096113	Soil	5.2	2.25	83.58	16.96	131.8	1457	26	17	731	3.38	17	0.5	0.7
SCP096115	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096116	Soil	14.1	2.37	40.45	21.17	44.3	390	9.2	3.6	180	2.81	15	0.4	1.1

Sample Number	Type	Au ppb	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Th ppm
SCP096117	Soil	10.1	4.04	104.13	27.8	69.6	806	14.1	5.4	222	4.39	25.3	0.7	1.9
SCP096118	Soil	11.5	2.87	79.27	21.54	83.3	1373	14.9	6	229	3.3	18	0.6	1.4
SCP096119	Soil	9.4	3.36	64.87	23.79	96.6	722	27.8	11.3	329	4.46	24.7	0.5	1.4
SCP096121	Soil	13.7	2.04	33.93	16.37	59.4	458	12	5.3	255	2.49	11.8	0.4	0.9
SCP096122	Soil	7	3.29	123.15	30.1	87.5	1678	20.8	10	359	3.51	16.4	1.6	0.3
SCP096123	Soil	1.2	5.67	69.1	15.16	30.7	378	2.7	1.7	43	>40.00	17.9	0.4	0.6
SCP096124	Soil	7.6	4.37	89.72	24.1	40.6	1343	6	2.5	106	11.09	25.3	0.8	1.3
SCP096125	Soil	6.9	4.4	108.24	14.96	53.7	456	6.7	3	120	9.63	23	0.4	1
SCP096127	Soil	4.3	5.53	23.33	14.39	46.5	171	10.7	3.8	207	2.2	9.5	0.4	1.1
SCP096128	Soil	3.9	3.68	29.37	18.38	48.7	236	10.9	3.4	183	3.6	21	0.3	1
SCP096129	Soil	7.6	12.42	27.55	13.64	53.6	148	12.6	5.3	230	3.02	12.1	0.3	1
SCP096130	Soil	5.9	2.22	37.39	16.89	80.8	202	15.7	6.6	249	3.11	16.5	0.3	1.2
SCP096131	Soil	20.8	3.01	84.51	23.82	74.3	833	18.6	5.4	229	5.31	21	0.6	2.3
SCP096132	Soil	24.8	4.92	80.26	32.48	122.7	1535	26.4	8.6	348	4.9	30.8	0.6	1.7
SCP096134	Soil	4.5	3.38	72.73	21.98	102.3	208	21.6	9.1	420	4.44	31	0.5	1.3
SCP096135	Soil	4.4	1.75	28.61	17.96	169.4	647	14.8	9	246	3.1	15.6	0.3	1.1
SCP096136	Soil	2.4	1.76	19.49	17.11	103.8	599	11.9	5.4	235	3.93	19.9	0.3	1.2
SP096137	Soil	4.5	2.34	76.7	16.75	79.4	163	20.8	6.6	260	3.22	11.9	0.6	0.6

Sample Number	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %
SA095871	29.6	0.25	0.2	0.16	51	0.2	0.492	13.5	20.7	0.25	211.8	0.033	<1	3.57
SCP095551	5.1	0.18	0.33	0.7	8	0.11	0.142	5.4	9.1	0.03	8.5	0.009	<1	1.94
SCP095552	12.5	0.28	2.08	1.4	53	0.15	0.05	8.5	19.7	0.39	111	0.035	<1	2.22
SCP095553	11.8	0.43	1.79	1.39	57	0.15	0.055	5.9	18.4	0.39	105.5	0.024	<1	2
SCP095554	18.7	0.19	1.11	1.39	55	0.31	0.025	7	20.3	0.41	70.6	0.037	<1	1.43
SCP095555	18.2	0.17	1.32	1.55	59	0.31	0.033	7.4	24.6	0.49	69.9	0.032	<1	1.57
SCP095556	24.2	0.17	0.72	1.74	52	0.38	0.038	8.7	27.3	0.64	73.8	0.032	<1	1.88
SCP095557	29.2	0.33	1.37	2.31	67	0.44	0.046	8.5	24.8	0.59	108.5	0.028	<1	2.27
SCP095558	31.8	0.2	0.93	1.17	50	0.45	0.041	10	19.7	0.41	77.6	0.03	<1	1.89
SCP095559	12.4	0.21	1.59	1.49	66	0.13	0.034	6.1	20.3	0.39	70.9	0.038	<1	1.66
SCP095560	42.9	2.13	1.02	0.33	9	0.64	0.16	30.9	21.1	0.1	102	0.013	1	8.12
SCP095561	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095562	52.1	0.08	1.34	3.15	98	0.7	0.081	9.4	111.3	2.01	128.9	0.072	<1	3.16
SCP095563	27.5	0.05	1.49	1.89	68	0.28	0.036	7.3	33.3	0.75	68.7	0.04	<1	1.85
SCP095564	29.4	0.11	0.54	1.44	36	0.38	0.106	7.8	21.1	0.32	101.5	0.013	1	2.13
SCP095565	24	0.11	0.35	1.56	25	0.29	0.137	9.6	21	0.25	95.4	0.004	<1	2.44
SCP095566	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095567	20.7	0.09	1.65	1.11	62	0.08	0.057	6.7	20.2	0.57	119.3	0.034	<1	1.53
SCP095568	20.5	0.17	1.39	1.11	58	0.12	0.037	8.1	19.3	0.48	84.6	0.027	<1	1.46
SCP095569	15.1	0.28	1.21	1.44	69	0.12	0.099	5.8	23.7	0.39	111.6	0.026	<1	1.6
SCP095570	17.7	0.34	1.02	1.2	58	0.11	0.039	6.3	15.2	0.27	92.9	0.027	<1	1.21
SCP095571	28.4	0.21	1.66	1.71	76	0.13	0.096	6.4	29.5	0.56	183.7	0.031	<1	2.18
SCP095573	16.2	0.21	0.52	0.65	53	0.22	0.028	6.9	31.5	0.68	86.1	0.058	2	1.63
SCP095574	24.8	0.29	0.57	1.01	65	0.29	0.039	9.2	36.7	0.82	113.7	0.048	2	2.4
SCP095575	45.9	0.37	0.56	1.61	63	0.55	0.061	20.7	41.2	0.77	205	0.014	1	3.29
SCP095576	13.2	0.2	0.96	1.63	62	0.1	0.073	6.8	35.2	0.59	99.6	0.056	2	2.61
SCP095578	25.6	0.2	2.14	2.4	84	0.11	0.083	7.4	41.1	0.75	196.6	0.037	1	2.93

Sample Number	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %
SCP095579	34	0.2	2.9	2.43	65	0.16	0.142	6.5	32.9	0.62	251.6	0.043	2	2.43
SCP095580	29.6	0.18	2.18	2.11	87	0.16	0.06	6.1	29.5	0.66	116.2	0.058	<1	1.46
SCP095582	33.1	0.32	2.28	2.46	75	0.12	0.119	6.1	28.3	0.67	224.5	0.029	<1	2.12
SCP095583	35.1	0.27	2.06	2.1	71	0.15	0.104	7	34.9	0.82	180.4	0.035	<1	2.47
SCP095584	27.4	0.17	1.02	1.84	66	0.14	0.037	6.2	16.3	0.28	75.6	0.047	<1	0.84
SCP095586	20.6	0.16	2.52	2.29	89	0.07	0.082	5.9	30.8	0.46	127.8	0.048	<1	1.38
SCP095587	26.9	0.14	2.44	2.65	102	0.07	0.123	7.3	30.6	0.48	201.4	0.05	<1	1.55
SCP095589	30.7	0.13	2.29	2.75	82	0.06	0.247	10.5	39.4	0.58	203.4	0.029	<1	3.02
SCP095590	21.9	0.12	2.78	3.1	76	0.05	0.221	8.5	38.1	0.41	198.1	0.04	<1	4.29
SCP095591	18.7	0.09	2.09	1.99	91	0.06	0.287	8.8	49.8	0.39	205.9	0.07	<1	3.32
SCP095592	20.1	0.16	1.9	2.1	77	0.08	0.154	7.5	36.2	0.55	166.3	0.035	<1	3.07
SCP095594	14	0.07	1.86	1.89	87	0.07	0.113	7.5	50.2	0.88	105	0.073	<1	2.57
SCP095595	14.2	0.17	1.66	2.12	111	0.08	0.074	7.1	44.9	0.52	116.6	0.052	<1	3.15
SCP095596	17.2	0.21	1.34	1.91	81	0.1	0.054	9.8	34.4	0.56	70.2	0.042	1	2.76
SCP095598	13.3	0.2	0.85	1.33	60	0.13	0.025	5.7	18.4	0.23	40.2	0.033	<1	1.07
SCP095599	15.1	0.26	1.01	1.79	71	0.13	0.038	7.2	27.5	0.45	103.3	0.04	1	1.74
SCP095600	19.8	0.27	1.04	1.48	65	0.3	0.046	6.1	31.4	0.47	84.1	0.025	<1	1.53
SCP095602	10.4	0.25	1.24	1.14	56	0.11	0.119	8.2	33.2	0.61	60.2	0.037	1	3.68
SCP095603	9.5	0.21	0.78	1.43	89	0.1	0.072	5.3	37	0.76	105.4	0.056	1	1.93
SCP095604	9.3	0.11	1.04	1.2	64	0.07	0.061	5.2	28.4	0.39	99.6	0.029	<1	3.12
SCP095605	19.2	0.05	1.14	2.37	72	0.05	0.154	8.7	39.3	0.46	162.7	0.026	<1	3.13
SCP095607	27	0.06	1.26	3.91	79	0.05	0.132	8.6	37.3	0.47	174.7	0.02	<1	2.61
SCP095608	9.5	0.15	0.54	1.18	58	0.1	0.067	6.1	27.3	0.38	87.3	0.043	<1	2.21
SCP095609	10.9	0.2	0.61	0.93	61	0.11	0.079	5.6	23.9	0.37	68	0.035	<1	2.11
SCP095611	24	0.08	0.97	1.2	54	0.14	0.046	7.7	26.5	0.52	155.9	0.054	<1	1.41
SCP095612	23.7	0.1	0.88	1.14	56	0.16	0.046	7.7	26.5	0.58	118.4	0.036	<1	1.8
SCP095613	9.9	0.29	0.86	1.42	64	0.08	0.179	6	34.4	0.39	85.5	0.042	<1	3.58
SCP095614	15.6	0.15	0.89	1.7	65	0.09	0.069	6.7	22.9	0.3	100.4	0.043	1	1.48
SCP095616	0.6	<0.01	0.16	0.06	<2	0.01	0.046	<0.5	0.8	<0.01	0.6	0.003	<1	0.06
SCP095617	37.8	0.5	1.17	1.49	54	0.32	0.055	11.9	20.4	0.33	161.4	0.022	<1	1.78

Sample Number	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %
SCP095618	27.4	0.26	1.12	1.72	53	0.22	0.046	7.4	22.7	0.56	139.6	0.028	<1	2.08
SCP095619	17.8	0.31	1.12	1.36	49	0.14	0.097	8.9	22	0.4	141.2	0.022	1	3.33
SCP095620	30.9	0.3	3.44	1.7	84	0.08	0.253	7	27.7	0.57	267.2	0.053	<1	2.74
SCP095621	29.1	0.15	2.07	1.81	77	0.07	0.116	7.3	18.3	0.28	231.8	0.048	<1	1.39
SCP095622	20.3	0.2	0.93	1.12	57	0.1	0.141	7.8	16.7	0.19	166	0.016	<1	1.76
SCP095624	35.7	0.1	1.38	2.05	54	0.13	0.074	10.1	18.1	0.31	202.9	0.011	<1	2.73
SCP095625	34.9	0.05	2.21	1.56	51	0.04	0.149	9.2	17.3	0.33	248.8	0.018	<1	2.49
SCP095626	4.2	0.02	2.34	1.6	85	0.02	0.203	3.6	19.6	0.1	26.5	0.103	<1	0.66
SCP095627	17.7	0.03	2.95	2.19	142	0.04	0.199	6.2	22.5	0.28	135.2	0.122	<1	0.92
SCP095628	27.5	0.05	1.69	2.09	82	0.06	0.159	9.1	20.6	0.44	203.8	0.035	<1	1.75
SCP095629	34.3	0.13	3.27	2.75	120	0.05	0.136	5.6	23.3	0.55	156.2	0.066	<1	2.17
SCP095631	31.3	0.08	2.55	2.3	114	0.07	0.187	8.3	21	0.38	169.8	0.064	2	1.48
SCP095632	21	0.11	1.8	1.8	67	0.07	0.215	8.5	31	0.38	141.4	0.046	<1	2.92
SCP095633	7.6	0.1	1.91	1.75	79	0.05	0.176	7.6	20.2	0.24	37.6	0.049	<1	1.34
SCP095634	9.1	0.48	1.75	1.2	74	0.09	0.097	5.8	35.6	0.41	60.7	0.023	<1	2.09
SCP095635	25.7	1.02	1.42	1.5	65	0.62	0.055	6.4	34	0.58	67.2	0.033	<1	2.5
SCP095636	12.3	0.64	0.49	0.83	53	0.15	0.077	5.8	21.9	0.37	58.5	0.049	<1	1.61
SCP095637	14.2	0.29	0.56	0.86	61	0.13	0.167	6	21.9	0.33	91.5	0.038	<1	1.32
SCP095638	15.3	0.26	0.81	0.8	59	0.18	0.137	6.5	25.5	0.43	73.7	0.036	1	1.51
SCP095640	16.3	0.35	1.35	1.46	60	0.15	0.083	6	26.7	0.47	74.8	0.042	<1	1.74
SCP095641	33.4	0.27	2.16	2.2	67	0.43	0.04	8.8	39.7	0.77	120.9	0.051	1	1.97
SCP095642	24.4	0.38	1.01	2.14	62	0.29	0.043	6.5	31.6	0.56	89.5	0.045	2	2
SCP095643	16.9	0.49	1.05	2.72	50	0.25	0.044	4.6	32.5	0.52	54.7	0.028	2	2.04
SCP095645	16.1	0.59	0.94	2.26	63	0.28	0.033	5.2	32.6	0.49	73.3	0.027	<1	1.83
SCP095646	12.3	0.45	1.02	3.14	76	0.11	0.063	3.6	42.6	0.72	78.4	0.068	1	2
SCP095647	6.6	0.22	0.61	1.84	58	0.06	0.048	4.1	20	0.27	53.4	0.039	1	0.92
SCP095648	8	0.21	0.64	1.15	51	0.07	0.053	4.2	18.9	0.31	43.7	0.032	1	1
Scp095649	7	0.37	0.75	1.47	58	0.06	0.107	4.2	24.9	0.36	55.4	0.029	1	1.42
SCP095651	13.9	0.18	1.74	1.69	52	0.34	0.052	8.2	15.1	0.4	67.6	0.024	<1	1.56
SCP095652	22	0.37	1.3	1.6	51	0.49	0.06	9.2	20.5	0.48	151.3	0.024	<1	2.11

Sample Number	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %
SCP095653	21.4	0.26	0.98	1.58	55	0.4	0.045	10	21.5	0.4	98.5	0.018	<1	1.88
SCP095654	18.6	0.17	1.12	1.43	49	0.24	0.039	7.6	16.8	0.4	89	0.026	1	1.8
SCP095655	16.2	0.14	1.98	1.76	56	0.23	0.041	7.2	18.5	0.45	68.6	0.054	<1	1.48
SCP095656	34.8	0.89	1.43	2.62	68	0.6	0.085	14.1	28.6	0.63	164.7	0.02	<1	2.74
SCP095657	22.9	0.17	1.56	2.21	98	0.27	0.046	7.1	26.4	0.68	84.3	0.042	<1	1.82
SCP095658	9.9	0.19	1.58	1.63	101	0.12	0.077	7	19.4	0.23	44.7	0.028	<1	1.54
SCP095659	15.9	0.16	0.44	0.88	38	0.17	0.03	5.6	15.1	0.23	90.8	0.022	<1	1.73
SCP095660	17.3	0.17	0.7	0.84	57	0.17	0.052	6.2	30.1	0.47	90.8	0.044	<1	2.2
SCP095661	14.6	0.14	0.59	1.45	65	0.11	0.136	7	41.4	0.67	77.5	0.082	<1	2.57
SCP095662	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095663	10.3	0.14	0.6	0.75	54	0.1	0.08	6.4	27	0.36	50.9	0.066	<1	2.16
SCP095664	32.4	0.3	0.61	0.89	65	0.85	0.035	7	53.2	1.18	91.9	0.092	2	2.24
SCP095665	23.7	0.39	0.82	1	81	0.29	0.08	6.9	42.5	0.88	108.1	0.069	<1	2.68
SCP095666	16.7	0.31	0.74	1.08	80	0.18	0.049	7.2	41.9	0.85	105.8	0.065	<1	2.25
SCP095667	56.6	0.95	1.47	2.14	78	0.66	0.085	22.2	48.6	1.14	288.9	0.031	<1	4.3
SCP095668	10	0.25	0.88	0.82	70	0.11	0.126	5.7	34.7	0.67	93.6	0.053	<1	2.92
SCP095669	10.2	0.18	0.38	0.52	40	0.12	0.057	9.8	14.1	0.19	58.4	0.027	<1	1.29
SCP095670	22.6	0.16	0.45	0.98	43	0.28	0.035	8.5	20.4	0.45	122	0.027	<1	1.6
SCP095671	10.4	0.1	0.84	0.69	47	0.08	0.078	6.2	20.8	0.24	69.7	0.025	<1	2.07
SCP095672	13.5	0.12	0.39	0.43	34	0.16	0.013	7.2	15	0.34	66.2	0.041	<1	1.06
SCP095673	13.5	0.12	0.61	0.55	41	0.14	0.031	7.6	16.8	0.38	85.8	0.032	<1	1.42
SCP095675	15.3	0.26	0.64	0.71	53	0.17	0.052	7.8	22.5	0.4	107.4	0.026	<1	2.38
SCP095676	21	0.24	0.52	1.26	48	0.26	0.038	6.1	25.1	0.6	85.7	0.02	<1	1.89
SCP095677	14.3	0.18	0.46	0.65	38	0.15	0.029	7.3	18.7	0.5	60.8	0.041	<1	1.21
SCP095678	16.2	0.11	0.41	0.54	40	0.17	0.023	7.7	16.7	0.43	63.8	0.055	<1	1.15
SCP095679	29	0.26	0.82	1.66	56	0.25	0.061	10.1	28.5	0.59	160.5	0.023	2	2.73
SCP095680	16.1	0.17	0.62	1.31	55	0.15	0.043	7.7	25	0.57	84.9	0.026	<1	2.09
SCP095681	19.7	0.13	1.04	1.69	64	0.14	0.062	5.8	30.2	0.74	85.9	0.042	<1	2.23
SCP095682	33.4	0.24	0.8	1.55	51	0.36	0.043	7.4	26.5	0.63	151.1	0.024	<1	1.88
SCP095683	11.1	0.08	1.17	1.12	47	0.07	0.071	7	22.3	0.43	72.3	0.027	<1	2.36

Sample Number	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %
SCP095684	25.7	0.08	2.45	1.85	55	0.07	0.101	8	27.4	0.51	243.9	0.03	<1	2.61
SCP095685	17.5	0.15	3.17	1.6	43	0.24	0.036	7.3	22.7	0.53	63.5	0.026	<1	1.78
SCP095686	14.1	0.26	1.66	1.64	38	0.1	0.104	29.7	25.3	0.21	44.2	0.027	<1	2.36
SCP095687	23.4	0.16	1.83	2.64	72	0.1	0.104	9.4	38	0.47	92	0.022	<1	2.04
SCP095688	42.4	0.16	5.84	5.17	56	0.1	0.138	7.3	43.5	0.8	255.4	0.021	<1	2.28
SCP095689	34.8	0.19	1.6	1.86	55	0.2	0.061	8	28.2	0.58	128.7	0.041	<1	2.29
SCP095690	39.7	0.27	1.96	1.87	57	0.12	0.05	7.7	26.6	0.59	150.3	0.044	<1	2.09
SCP095691	18	0.47	1.75	2.46	65	0.1	0.109	6.1	24.8	0.5	130.2	0.019	<1	3.12
SCP095692	24	0.61	1.72	2.63	109	0.13	0.207	7.7	24	0.62	222.3	0.037	<1	2.94
SCP095693	16.3	0.51	1.57	2.29	83	0.12	0.103	5.9	18.7	0.42	117.3	0.04	<1	1.74
SCP095694	21.4	0.22	1.74	1.9	76	0.1	0.092	6.3	31.9	0.64	139.4	0.029	<1	2.74
SCP095695	10.2	0.15	1.98	4.21	109	0.05	0.096	5.4	25.7	0.25	100.9	0.048	<1	1.42
SCP095696	11.6	0.37	1.38	1.75	66	0.07	0.097	4.8	19	0.37	101.2	0.013	<1	2.81
SCP095697	15.3	0.21	0.83	1.72	74	0.11	0.074	6.2	25.7	0.38	112	0.026	<1	2.08
SCP095698	25.8	0.19	1.25	1.81	80	0.12	0.079	6.8	19.2	0.32	143.2	0.035	<1	1.57
SCP095699	20.8	0.27	1.51	1.84	69	0.09	0.11	5.7	23.8	0.55	184.5	0.018	<1	3.15
SCP095700	29.9	0.23	1.8	2.73	81	0.12	0.352	7.5	31.1	0.48	225.7	0.025	<1	3.63
SCP095701	20.6	0.35	1.82	1.79	57	0.08	0.084	8.1	15.1	0.3	116.8	0.017	<1	2.92
SCP095702	24	0.12	2.13	1.93	67	0.08	0.157	8.8	24.2	0.47	153.7	0.043	<1	2.57
SCP095703	23	0.46	1.57	2.12	69	0.09	0.101	8.1	24.5	0.48	141.1	0.035	1	2.72
SCP095704	11.2	0.12	1.53	2.35	82	0.06	0.071	5.4	17.9	0.26	68.6	0.033	<1	1.41
SCP095705	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095706	11	0.46	0.61	0.86	55	0.1	0.074	7.1	23	0.37	75.4	0.04	<1	1.91
SCP095708	9.6	0.27	0.99	0.97	62	0.08	0.089	5.9	40.4	0.81	138.1	0.064	1	3.53
SCP095709	24.5	1.01	1.3	2.12	69	0.29	0.09	7.8	37.1	0.74	188.7	0.011	<1	3.46
SCP095711	14.5	0.43	0.69	0.96	54	0.11	0.11	6	21.6	0.36	62.5	0.036	<1	1.51
SCP095712	12.6	0.23	1.18	2.29	64	0.09	0.076	5.2	28.1	0.48	58.3	0.03	1	1.9
SCP095713	16.7	0.21	1.73	2.54	63	0.1	0.157	5.1	46.6	0.72	94.3	0.038	1	3.8
SCP095715	19.3	0.31	5.54	10.78	107	0.09	0.19	6.5	58.9	0.73	143.7	0.082	<1	2.58
SCP095716	30.4	0.38	1.81	2.43	62	0.18	0.047	7.3	34.1	0.78	117.3	0.043	<1	1.98

Sample Number	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %
SCP095717	27.7	0.33	1.22	2.13	65	0.28	0.027	6.8	31.7	0.71	72.4	0.055	<1	1.59
SCP095718	21.5	0.21	1.78	2.37	78	0.15	0.061	6.5	32.7	0.68	114.1	0.046	<1	2.47
SCP095720	14.3	0.14	1.19	1.92	84	0.11	0.044	6.4	29.1	0.49	75.6	0.074	<1	1.54
SCP095721	14.5	0.6	1.4	1.89	77	0.1	0.135	5.6	35.2	0.52	89.6	0.059	<1	2.29
SCP095723	26.7	0.21	1.6	2.2	71	0.16	0.079	7.2	35.9	0.71	96	0.039	<1	2.17
SCP095724	30.3	0.15	1.65	1.8	77	0.22	0.068	7.2	31.2	0.74	88	0.068	<1	1.91
SCP095725	25.8	0.19	1.43	1.94	68	0.19	0.087	6.7	30	0.64	95.5	0.053	<1	2.1
SCP095727	29.4	0.34	0.99	1.09	56	0.33	0.067	10	25.1	0.53	119.5	0.021	<1	2.31
SCP095728	26.4	0.14	1.08	1.21	59	0.21	0.045	7	28.9	0.65	127	0.054	<1	1.9
SCP095729	22.1	0.12	1.52	1.54	62	0.11	0.054	7.7	26.8	0.58	129.2	0.051	<1	2.61
SCP095731	45.4	0.22	1.55	2.84	65	0.13	0.065	9.4	29.6	0.63	184.5	0.038	<1	2.17
SCP095732	19.2	0.17	1.27	1.29	71	0.21	0.104	5.3	16.5	0.39	72.6	0.044	<1	1.39
SCP095733	42.6	0.12	1.84	1.41	52	0.07	0.218	11	19.9	0.27	327.7	0.042	1	2.81
SCP095734	11.9	0.11	2	1.19	51	0.06	0.108	9.1	17.9	0.3	117.2	0.048	<1	2.03
SCP095735	11	0.15	1.35	1.03	47	0.06	0.124	9.1	19.5	0.32	74.2	0.054	<1	2.78
SCP095736	23.1	0.11	1.59	1.02	52	0.05	0.134	9.2	18.8	0.29	185.3	0.03	1	2.37
SCP095737	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095739	10.8	0.31	0.77	1.25	55	0.11	0.068	7.2	22.5	0.29	102.5	0.046	2	2.82
SCP095740	11.1	0.42	0.75	1.29	57	0.11	0.126	5.4	20.7	0.3	83.5	0.024	1	2.23
SCP095741	22.2	0.08	1.77	1.25	56	0.09	0.05	7.8	22.4	0.47	151	0.044	1	1.66
SCP095742	15	0.06	1.95	1.91	68	0.07	0.038	7.5	25.5	0.53	80.3	0.046	1	1.84
SCP095743	37.1	0.08	2.3	1.86	69	0.07	0.08	8.7	24.3	0.63	187.3	0.038	<1	2.9
SCP095744	37.2	0.06	2.73	1.7	70	0.05	0.063	9.5	18.7	0.38	191.1	0.049	<1	1.53
SCP095745	22.4	0.07	3.57	2.59	76	0.05	0.131	6.6	32.2	0.61	91.6	0.045	<1	2.1
SCP095746	35.1	0.07	3.04	1.5	92	0.05	0.084	7.3	19.7	0.66	139.1	0.044	<1	2.5
SCP095747	1.8	0.02	1.88	2.15	90	0.02	0.103	2.6	16.5	0.06	10.6	0.106	<1	0.82
SCP095748	27.7	0.13	1.21	1.55	64	0.19	0.088	8.8	34.3	0.78	182.5	0.05	1	2.01
SCP095749	23.2	0.1	0.94	1.62	57	0.18	0.028	7.6	27.6	0.63	111.5	0.069	2	1.64
SCP095750	29.3	0.14	1.41	1.57	77	0.3	0.092	6.3	34.1	0.7	139.7	0.053	1	2.11
SCP095751	20.3	0.14	1.12	1.36	47	0.15	0.035	7.7	15.6	0.43	73.4	0.028	<1	1.51

Sample Number	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %
SCP095752	35.1	0.19	2.25	2.46	56	0.18	0.061	9.2	26.7	0.63	119.9	0.028	<1	1.84
SCP095753	28.7	0.19	1.7	2.4	55	0.18	0.071	9.3	26.4	0.61	125.3	0.023	<1	2.69
SCP095754	29.8	0.21	1.23	1.75	54	0.19	0.053	8.4	23.8	0.61	112.5	0.025	<1	2.07
SCP095755	32.5	0.14	2.03	2.51	70	0.22	0.055	7.4	23.9	0.61	103.2	0.035	<1	1.87
SCP095756	31.1	0.27	2.75	2.87	69	0.15	0.065	7.9	22.8	0.54	118.9	0.043	2	1.96
SCP095757	37.8	0.3	2.16	3.48	68	0.21	0.079	9.7	23.9	0.58	160.1	0.019	<1	2.47
SCP095758	37.1	0.4	2.27	2.66	66	0.23	0.076	7.3	27.3	0.63	154.2	0.026	1	2.4
SCP095759	27.5	0.64	2.61	2.65	91	0.18	0.073	8.8	20.7	0.41	204.8	0.056	<1	1.32
SCP095760	27.8	0.39	2.13	2.62	71	0.34	0.063	8.9	26.8	0.66	136.4	0.03	<1	2.09
SCP095761	30.1	0.54	2.43	3.12	71	0.35	0.06	8.7	26.1	0.62	119.1	0.031	<1	1.93
SCP095762	27.1	0.34	1.76	2.74	69	0.3	0.04	9.5	27.9	0.69	103	0.033	<1	1.96
SCP095763	33.6	0.4	1.47	2.22	63	0.4	0.035	10.2	24.7	0.58	146.8	0.023	<1	2.16
SCP095764	20	0.34	1.48	2.14	53	0.14	0.061	13.8	19.8	0.44	99.3	0.026	<1	2.68
SCP095765	21.3	0.18	2.26	2.33	73	0.06	0.127	7.7	28.5	0.49	146.2	0.019	<1	3.33
SCP095766	45.9	0.19	3.02	2.51	71	0.09	0.103	7.9	30.8	0.51	282.4	0.039	<1	3.88
SCP095767	28.6	0.14	2.43	1.7	89	0.12	0.048	6	30.8	0.89	66.8	0.055	<1	2.56
SCP095769	15.5	0.12	0.48	0.87	46	0.18	0.027	8.8	20.9	0.47	81.2	0.033	<1	1.72
Scp095770	10.5	0.18	0.67	0.5	50	0.12	0.089	7.5	22.1	0.31	71.8	0.041	<1	2.54
Scp095771	8.6	0.2	0.76	0.84	63	0.11	0.218	6.7	25.8	0.38	55.6	0.036	<1	2.13
Scp095772	8	0.1	0.74	0.75	73	0.06	0.047	7.6	20.3	0.24	64.8	0.033	<1	1.57
Scp095773	26.8	0.24	0.61	0.75	46	0.21	0.027	11.2	19.1	0.34	69	0.042	<1	1.26
Scp095774	18.2	0.2	0.96	1.7	63	0.13	0.071	6.7	28.9	0.61	102.4	0.052	<1	2.27
Scp095775	14.2	0.16	0.99	1.88	72	0.1	0.151	6.7	41.2	0.67	112.9	0.05	<1	3.22
Scp095776	11.7	0.14	0.99	1.68	76	0.1	0.126	6.3	36.5	0.59	93.1	0.036	<1	3.65
Scp095777	7	0.38	0.71	1.03	79	0.07	0.086	6.4	21.7	0.24	72.3	0.045	<1	2.79
Scp095778	11.3	0.16	0.65	0.63	51	0.1	0.051	7.6	20.4	0.34	84.1	0.048	<1	1.72
Scp095779	12.2	0.13	0.6	0.79	74	0.11	0.075	7.2	22.1	0.34	76.5	0.048	<1	1.75
Scp095780	17	0.12	1.62	1.44	73	0.09	0.096	7.3	34.8	0.67	136.6	0.042	1	2.78
Scp095781	8.2	0.38	0.67	0.96	64	0.08	0.146	7.8	23	0.31	116.7	0.04	<1	2.59
Scp095782	9.4	0.4	0.77	1.33	79	0.11	0.22	7.2	25.8	0.4	91	0.032	<1	3.45

Sample Number	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %
Scp095783	13.7	0.31	1	1.72	80	0.14	0.049	6.2	20.5	0.4	109.7	0.043	<1	1.98
Scp095784	12.9	1.01	1.22	1.93	87	0.15	0.05	5	22	0.47	103.2	0.051	1	2.26
Scp095785	16.6	0.41	0.93	1.41	103	0.13	0.039	5.7	22.6	0.48	77.6	0.072	<1	1.64
SCP095787	14.4	0.26	0.77	1.73	80	0.22	0.124	5.3	22.9	0.39	129.2	0.037	1	2.79
SCP095788	8.9	0.31	0.77	1.49	83	0.11	0.082	5.7	22.8	0.36	84.1	0.036	<1	2.18
SCP095789	15.3	0.25	1.09	1.42	77	0.1	0.121	6.8	29.4	0.58	105.6	0.03	<1	3.66
SCP095790	18.4	0.08	1.54	1.9	106	0.1	0.077	6.7	29.9	0.57	150.6	0.054	<1	3.14
SCP095791	11.8	0.26	0.83	2.28	89	0.07	0.147	4.7	20.1	0.29	86.4	0.042	<1	4.26
SCP095792	44.8	0.09	1.36	2.64	123	0.05	0.148	3.9	22.3	0.57	96.8	0.08	<1	3.56
SCP095793	28.2	0.1	3.48	1.95	94	0.07	0.119	6.8	26.5	0.53	174.2	0.032	<1	3.84
SCP095795	19.5	0.06	1.92	1.41	65	0.07	0.143	8.1	30.8	0.55	120.8	0.047	<1	2.77
SCP095796	25.6	0.07	2.72	2.22	66	0.07	0.131	6.6	32.4	0.57	192.5	0.042	1	2.59
SCP095797	6.7	0.02	3.46	2.64	87	0.06	0.116	4.6	35	0.5	25.2	0.044	<1	2
SCP095799	28.8	2.5	0.82	0.98	66	1.1	0.056	6.1	39.6	0.7	141.3	0.03	<1	3.11
Scp095801	19.9	0.31	1.22	0.99	63	0.22	0.069	6.5	37.2	0.84	133.5	0.041	<1	2.92
Scp095802	23	0.28	0.71	0.96	51	0.25	0.041	6.6	26.5	0.69	89.5	0.045	<1	1.66
Scp095803	14.8	0.48	1.13	1.35	53	0.16	0.059	8.7	29.6	0.69	73.8	0.027	2	3.44
Scp095804	23.8	0.47	0.75	0.89	51	0.45	0.045	8.1	25.4	0.62	71.7	0.05	<1	1.52
Scp095806	43.9	1.01	1.57	1.93	81	0.65	0.06	9.9	60	1.48	170.3	0.059	1	3.12
Scp095807	32.7	0.62	0.98	1.32	63	0.45	0.04	8.6	32.7	0.74	113.2	0.038	<1	2.05
Scp095808	14.7	0.19	1.58	2.36	62	0.1	0.128	5.8	33.3	0.57	95.2	0.054	<1	2.61
Scp095809	12.9	0.03	2.17	2.16	92	0.03	0.167	7.6	40.5	0.42	113.3	0.074	<1	1.67
Scp095811	12.3	0.03	2.34	1.93	101	0.02	0.185	5.1	65.8	0.37	103.2	0.148	<1	1.21
Scp095812	15.1	0.1	1.74	1.51	65	0.06	0.12	6.6	35	0.54	131.3	0.059	<1	2.62
Scp095813	34.5	0.08	3.07	15.73	119	0.07	0.176	6.4	117	1.12	269.5	0.079	<1	3.49
Scp095814	25.7	0.07	1.2	2.57	74	0.11	0.108	7.3	33	0.7	165.9	0.039	<1	2.7
Scp095816	14	0.12	1.14	1.17	61	0.1	0.08	8.9	27.6	0.45	120.5	0.034	1	2.63
Scp095817	9.4	0.15	0.84	1.2	66	0.08	0.101	7	27.3	0.35	81.6	0.03	<1	2.62
Scp095818	12.8	0.13	1.21	1.61	69	0.08	0.18	6.1	34	0.65	70.4	0.045	1	4.43
Scp095819	9.1	0.13	0.97	1.49	69	0.07	0.112	6.5	33.8	0.53	81.9	0.033	1	3.74

Sample Number	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %
Scp095821	18.3	0.15	1.32	1.91	73	0.1	0.1	8.1	36.6	0.56	133.7	0.033	2	3.47
Scp095822	6.8	0.08	0.67	1.26	69	0.06	0.147	6.7	26.1	0.24	48.2	0.033	2	2.27
Scp095823	15.6	0.2	1.14	1.59	71	0.1	0.118	8.7	36.1	0.59	162.1	0.031	2	3.49
Scp095825	19.9	0.18	1.48	2.17	71	0.13	0.086	6.5	37.1	0.67	110.6	0.038	<1	2.3
Scp095826	11	0.29	0.88	1.14	57	0.08	0.272	6.4	31	0.41	69.4	0.038	1	3.88
Scp095827	10.6	0.22	1.28	2.13	64	0.06	0.331	16.8	37	0.48	127.2	0.011	<1	7.26
Scp095828	14.7	0.41	0.92	1.07	58	0.12	0.179	6.5	34.4	0.54	72.5	0.05	1	2.92
Scp095829	10.5	0.26	0.67	1.12	63	0.1	0.112	6.2	25.7	0.3	65.8	0.042	<1	2.08
Scp095830	13.9	0.28	0.94	1.15	57	0.11	0.108	6.9	26.1	0.43	74.9	0.037	1	2.1
Scp095831	8.1	0.09	0.68	0.67	36	0.07	0.096	6.6	18.5	0.05	29.1	0.019	<1	0.62
Scp095832	21.9	0.12	0.9	1.26	53	0.15	0.034	6.8	22.9	0.64	73.7	0.034	<1	1.49
Scp095833	22.1	0.36	1.4	2.34	60	0.13	0.086	7.4	26.6	0.48	159.9	0.016	1	3.14
Scp095834	55.8	0.16	2.32	2.58	82	0.14	0.12	8.8	29.4	0.47	300.2	0.062	1	1.65
Scp095836	25.3	0.05	2.05	1.62	67	0.1	0.073	8.3	29.8	0.49	135.8	0.045	1	1.86
Scp095837	31.9	0.09	3.36	2.72	72	0.06	0.104	9.7	36.8	0.67	264.8	0.032	1	3.41
Scp095838	39.7	0.08	1.04	1.29	154	0.26	0.092	5.2	155.7	3.45	187.2	0.151	2	4.27
Scp095839	27.7	0.16	2.13	1.89	70	0.07	0.137	7.7	29.9	0.41	152.9	0.043	2	2.85
Scp095840	39.2	0.16	1.99	2.1	67	0.12	0.07	9.5	18.9	0.41	171.4	0.036	<1	1.79
Scp095841	29.8	0.22	1.84	2.59	95	0.18	0.061	6.2	46.5	0.88	122.5	0.073	<1	1.58
Scp095842	25.1	0.17	3.35	1.77	59	0.1	0.068	9.7	22.7	0.46	146.1	0.028	<1	2.55
Scp095843	19	0.16	0.64	1.38	37	0.16	0.061	7.1	13.8	0.27	79.1	0.023	1	1.37
Scp095844	20.7	0.17	0.86	0.97	47	0.17	0.036	7.3	22.4	0.48	112.4	0.03	<1	1.79
Scp095845	22.2	0.4	1.29	1.3	53	0.19	0.083	10.8	23.2	0.46	184.1	0.03	<1	2.56
Scp095847	21.9	0.23	1.07	1.05	50	0.19	0.047	9.6	19.7	0.42	142	0.035	1	1.93
Scp095848	17.1	0.48	0.81	0.2	28	0.16	0.128	2.8	3.3	0.02	72.5	0.011	<1	0.42
Scp095849	11.3	0.11	1.42	1.23	57	0.15	0.07	7	13.6	0.16	50.8	0.085	<1	0.95
Scp095850	16.3	0.27	0.94	0.92	42	0.25	0.079	7.9	16.9	0.36	117.4	0.019	1	2.5
Scp095851	41.8	1.54	1.33	1.75	79	0.63	0.078	17.3	45.1	0.82	226	0.023	1	3.02
Scp095852	15.8	1.02	0.8	1.24	72	0.19	0.152	5.4	29.4	0.39	115.9	0.043	1	1.6
Scp095853	56.5	3.58	1.68	2.16	66	0.94	0.079	21.7	42.3	0.68	223.7	0.02	2	4.66

Sample Number	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %
Scp095854	52.2	3.27	1.83	2.08	68	0.75	0.066	15.5	36.6	0.69	318.3	0.027	2	3.67
Scp095855	66	0.84	1.36	2.33	68	0.63	0.108	28.5	43.8	0.9	276.1	0.014	<1	3.48
Scp095856	32.4	0.31	0.85	1.15	61	0.36	0.047	7.8	32.2	0.68	98.3	0.034	<1	1.82
Scp095857	27.3	0.38	0.78	0.96	57	0.3	0.05	9.5	29.9	0.65	98.7	0.034	<1	1.93
Scp095859	31	0.3	0.84	1.39	62	0.35	0.052	8.7	28.1	0.66	120.3	0.029	1	2.32
Scp095860	39.9	0.71	1.1	2.06	69	0.4	0.066	10.6	39.1	0.8	160	0.024	1	3.23
Scp095861	30.7	0.57	1.06	1.39	56	0.32	0.052	10.3	28.9	0.7	115.8	0.036	1	2.24
Scp095862	45.4	0.7	1.13	2.19	65	0.42	0.07	14.3	35.2	0.77	207.7	0.012	<1	2.77
Scp095863	27.7	0.26	0.98	1.42	59	0.28	0.033	9.4	32.2	0.72	110.1	0.048	<1	1.8
Scp095864	51.9	0.77	1.12	2.27	69	0.48	0.074	13.9	37	0.83	252.9	0.014	1	3.34
Scp095865	43.8	0.39	1.2	2.07	69	0.32	0.068	13.2	37.5	0.79	196.3	0.019	2	3.37
Scp095866	24.2	0.7	1.32	1.51	59	0.22	0.093	11.2	31.1	0.58	128.2	0.025	1	4.11
Scp095867	142.3	0.13	0.42	0.1	<2	2.83	0.055	<0.5	3.7	0.08	267.2	<0.001	8	0.22
Scp095869	22.8	0.16	0.99	1.16	65	0.12	0.098	5.9	33.6	0.68	186.9	0.026	1	2.25
Scp095870	17	0.14	0.73	0.86	52	0.15	0.055	5.7	24.3	0.59	111	0.028	<1	2.22
Scp095951	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Scp095952	11.7	0.25	1.82	0.25	70	0.17	0.326	7.6	9.8	0.01	37.3	0.011	<1	0.69
Scp095953	8.8	0.17	0.45	0.13	38	0.12	0.192	3.5	5	<0.01	25.6	0.004	<1	0.41
scp095954	13.8	0.08	0.86	1.22	52	0.13	0.106	9.2	22.4	0.39	64.2	0.019	<1	1.85
Scp095955	28.8	0.25	0.64	0.52	23	0.32	0.177	13.9	10.8	0.09	105.1	0.009	2	1.8
Scp095956	14.3	0.11	0.8	0.72	41	0.13	0.049	8	21.3	0.42	76.9	0.019	1	2.06
Scp095957	16.6	0.12	1.02	1.14	54	0.13	0.049	7.9	21.8	0.46	95.6	0.025	<1	2.1
Scp095958	21	0.14	1.4	1.29	61	0.11	0.085	7.8	20.6	0.36	151.6	0.039	<1	1.79
Scp095959	12.1	0.1	1.38	1.03	58	0.08	0.054	8	20.8	0.42	81.4	0.032	<1	1.87
Scp095960	12.3	0.08	1.08	1.51	57	0.09	0.116	9.7	25.4	0.47	110.3	0.058	<1	2.69
Scp095961	27.6	0.16	2.09	1.69	86	0.06	0.119	7.1	30.8	0.46	271.3	0.071	<1	2.72
Scp095962	22.8	0.28	1.23	1.85	112	0.15	0.087	6.4	29.6	0.38	140.2	0.095	<1	1.79
Scp095963	20.9	0.13	1.37	1.36	77	0.17	0.196	5	30.9	0.61	148.1	0.044	1	1.94
Scp095964	10.3	0.16	0.99	1.81	81	0.05	0.135	5.7	19.8	0.17	97	0.042	<1	1.46
Scp095965	29.5	0.21	1.26	1.99	60	0.13	0.05	7.8	28	0.57	129.9	0.026	<1	2.06

Sample Number	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %
Scp095966	33.2	0.16	1.47	1.51	69	0.22	0.052	6.5	30.7	0.72	134.8	0.051	<1	1.87
Scp095967	28	0.37	1.11	1.54	63	0.22	0.053	10.8	23.6	0.44	130.8	0.023	<1	1.98
Scp095968	30.8	0.6	1.52	1.74	89	0.18	0.106	7	23.3	0.37	200.2	0.037	<1	1.74
Scp095969	27.9	0.47	1.27	1.93	67	0.18	0.088	6.8	25.5	0.57	140.2	0.044	<1	1.9
Scp095970	27.9	0.22	1.01	1.34	67	0.24	0.045	6.2	29.5	0.64	144.5	0.037	<1	2.14
Scp095971	36.2	0.4	2	1.92	97	0.25	0.072	6.3	33.3	0.74	167.8	0.051	<1	2.13
Scp095972	33.9	0.25	1.23	1.4	69	0.16	0.111	6.9	26.7	0.55	230	0.042	<1	1.96
Scp095973	25.9	0.45	1.33	2	74	0.2	0.11	7.2	26.8	0.58	180.5	0.027	<1	2.71
Scp095974	23.5	0.27	1.29	1.9	82	0.21	0.072	6.5	28.2	0.62	112.4	0.041	<1	1.99
Scp095975	25.9	0.29	1.32	2.45	80	0.14	0.117	6.4	29	0.57	212	0.035	1	2.62
Scp095976	28.6	0.24	1.4	2.09	79	0.1	0.132	6.4	31.3	0.65	237.8	0.032	<1	3.38
Scp095977	14.1	0.16	2.8	2.05	85	0.11	0.064	5.6	32.1	0.54	121.6	0.046	1	3.06
Scp095978	4.7	0.05	0.35	0.11	20	0.05	0.086	8.8	12.2	0.01	13.1	0.004	<1	1.49
Scp095979	8	0.08	0.28	0.24	4	0.14	0.298	16.8	11.6	0.05	23.8	0.004	2	2.42
Scp095980	16.8	0.06	6.07	0.91	84	0.07	0.354	4	19.7	0.15	116.7	0.054	<1	1.13
Scp095981	12.3	0.11	2.04	0.92	66	0.2	0.153	4.6	34.1	0.24	45.2	0.036	<1	2.44
Scp095982	16.5	0.1	1.9	1.6	86	0.08	0.174	8.9	65.5	0.69	162.9	0.081	<1	2.38
Scp095983	8.3	0.14	0.79	1.27	61	0.08	0.105	5.8	26.2	0.32	59.3	0.03	<1	2.75
Scp095984	11.8	0.22	1.3	1.77	69	0.08	0.121	6.7	34.3	0.62	110.4	0.044	3	2.85
Scp095985	10.9	0.33	1.09	1.78	72	0.09	0.143	6.1	35.5	0.51	116.2	0.035	2	3.19
Scp095986	11	0.22	1.26	1.19	61	0.09	0.166	5.2	32.5	0.43	89	0.038	2	3.07
Scp095987	14.9	0.14	1.37	1.87	70	0.09	0.13	6.4	39	0.61	102.6	0.032	2	3.62
Scp095988	18	0.11	1.26	2.18	75	0.08	0.146	8.8	47	0.69	163.4	0.04	2	4.23
Scp095989	61	0.07	1.73	5.32	67	0.08	0.198	10.3	62.9	0.74	207.6	0.024	1	3.46
Scp095990	14.2	0.1	0.74	1.45	60	0.08	0.104	6.4	31.1	0.43	80.6	0.049	1	2.42
Scp095991	13.1	0.1	1.07	1.8	64	0.08	0.14	6.7	34	0.54	127.4	0.034	2	3.06
Scp095992	14.6	0.1	0.98	1.63	65	0.08	0.158	6.2	34.3	0.5	87.6	0.031	<1	3.06
Scp095993	23.4	0.06	1.41	1.79	88	0.03	0.286	5.8	46.7	0.26	148.8	0.058	<1	2.32
Scp095994	56.9	0.05	1.73	1.89	108	0.03	0.48	7.9	51.9	0.32	497.8	0.132	<1	1.37
Scp095995	19.8	0.09	1.04	1.48	67	0.15	0.064	7	32.9	0.65	112.7	0.05	1	2.15

Sample Number	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %
Scp095996	16.3	0.07	1.04	1.73	75	0.13	0.075	6.9	27.1	0.37	97.2	0.038	<1	1.89
Scp095997	13.9	0.14	1.07	2.19	74	0.11	0.087	7.9	34.1	0.55	114.9	0.039	<1	2.29
Scp095998	30.3	0.11	1.9	3.34	72	0.15	0.068	7.7	56.2	1.21	140.9	0.066	1	3.33
Scp095999	16.3	0.16	1.24	1.55	73	0.1	0.095	8.5	40.8	0.62	91.2	0.058	<1	2.71
SCP096001	36.1	0.18	1.12	1.59	63	0.22	0.096	9.6	33.8	0.68	191.9	0.042	<1	2.46
SCP096002	36.3	0.12	1.29	1.94	71	0.1	0.084	9.9	32	0.69	243.2	0.052	<1	2.15
SCP096004	23.8	0.14	1.52	1.41	56	0.07	0.084	6.5	27.6	0.56	167.2	0.038	1	2.98
SCP096005	32.3	0.12	1.04	1.97	59	0.22	0.061	7	27	0.72	142.9	0.036	<1	2
SCP096006	24.4	0.22	0.99	1.95	51	0.21	0.091	8.7	26	0.57	126.5	0.02	<1	2.91
SCP096007	24.8	0.11	1.03	1.58	58	0.24	0.048	6.6	26.6	0.62	95.2	0.028	1	2.22
SCP096008	18.6	0.1	0.79	1	49	0.3	0.03	5.6	22.1	0.47	58.4	0.031	<1	1.36
SCP096009	13.9	0.32	1.08	0.71	72	0.1	0.068	4.6	28.9	0.57	76.8	0.052	1	2.17
SCP096010	11.9	0.77	0.64	0.9	65	0.18	0.043	5.3	22	0.31	89.1	0.033	<1	1.17
SCP096011	24.5	0.63	1.21	1.49	69	0.35	0.073	5.9	32.8	0.63	136.9	0.029	1	2.59
SCP096012	16.6	0.51	1.04	1.15	77	0.16	0.224	4.9	32	0.59	121.8	0.048	<1	2.42
SCP096013	34.8	0.43	1.25	2.05	58	0.23	0.066	7.3	29.6	0.67	118.4	0.026	<1	1.83
SCP096014	40.9	0.86	1.23	2.82	65	0.64	0.066	11.4	41.8	0.79	209.4	0.016	<1	3.31
SCP096016	40.2	0.63	0.98	2.16	84	0.64	0.055	7.6	67.5	1.63	146.5	0.072	<1	3.03
SCP096017	21.2	0.42	0.72	1.25	56	0.23	0.055	5.9	28.6	0.7	81	0.035	<1	1.79
SCP096018	50.8	0.69	1.45	2.84	67	0.4	0.083	14.3	36.5	0.8	207.8	0.018	1	3.38
SCP096019	27.4	0.42	1.15	1.93	74	0.27	0.085	7.5	37.7	0.91	140.7	0.034	1	2.95
SCP096020	26.8	0.25	0.77	0.94	54	0.22	0.038	6.5	33.4	0.84	85.8	0.052	<1	1.98
SCP096021	28.2	0.46	0.75	1.29	56	0.24	0.061	10.1	29	0.65	113.2	0.029	<1	2.06
SCP096022	24.3	0.33	0.82	1.15	54	0.22	0.057	10.4	30.1	0.68	117.2	0.029	<1	2.42
SCP096024	22.5	0.26	1.97	1.71	92	0.29	0.13	7.8	64.2	0.5	107.3	0.076	1	1.79
SCP096025	20.3	0.23	0.81	0.82	55	0.32	0.048	5.1	30	0.5	69	0.032	<1	1.68
SCP096026	37.7	0.31	1.07	1.85	58	0.29	0.054	11	35.5	0.77	164.4	0.021	<1	2.92
SCP096027	23.3	0.18	1.17	1.3	61	0.18	0.06	7.4	27.1	0.61	94.3	0.036	<1	2.1
SCP096028	30.4	0.16	1.07	1.68	63	0.17	0.055	8.8	33.9	0.76	146.8	0.03	<1	2.73
SCP096029	31.8	0.16	1.4	1.73	64	0.13	0.08	6.8	28.3	0.66	179.2	0.024	<1	2.54

Sample Number	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %
SCP096030	15.7	0.11	0.63	0.87	42	0.1	0.046	5.4	17.9	0.43	55	0.028	<1	1.18
Scp096051	31.9	0.22	1.49	2.39	61	0.29	0.063	9	34.4	0.8	121.5	0.038	1	2.36
SCP096052	32.7	0.32	1.6	2.59	61	0.29	0.061	11.9	32.7	0.78	112.7	0.038	1	2.21
Scp096053	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096054	36.9	0.36	1	2.17	58	0.44	0.075	11.3	27.3	0.58	138.3	0.022	1	2.95
SCP096055	17.4	0.16	2.25	1.5	39	0.24	0.189	7.8	28.7	0.35	69.9	0.032	1	4.88
SCP096056	26.8	0.32	1.32	1.9	57	0.32	0.068	7.8	27.9	0.56	98.4	0.034	1	2.65
Scp096057	13.2	0.16	1.54	1.17	56	0.08	0.176	4.8	34.8	0.55	55.2	0.048	<1	3.8
Scp096058	16.1	0.15	1.59	1.79	62	0.12	0.223	6.6	32.1	0.62	80.8	0.038	1	3.51
Scp096059	19.8	0.29	1.92	1.82	67	0.1	0.362	9.2	35.6	0.57	129.1	0.055	1	4.49
SCP096060	12.8	0.25	0.49	1.29	43	0.11	0.093	8	21.6	0.39	65.2	0.057	1	2.11
Scp096061	13.7	0.26	1.1	1.76	67	0.1	0.194	6.3	28.8	0.42	70.8	0.04	1	2.43
SCP096062	33.4	0.3	1.25	2.14	63	0.24	0.073	8.1	27.7	0.53	144.3	0.03	2	1.85
SCP096063	18.2	0.2	1.49	2.71	83	0.08	0.214	6.7	35.2	0.46	144	0.033	1	3.1
SCP096064	180	0.11	1.71	2.14	82	0.17	0.192	8.3	31.2	0.42	229.6	0.084	<1	1.11
SCP096101	17.3	1.14	0.88	1.04	67	0.17	0.124	6	31.1	0.45	80.3	0.051	1	1.54
SCP096102	13.3	0.38	0.71	0.92	63	0.15	0.149	5.8	30	0.45	62	0.05	1	1.65
SCP096103	12.4	0.3	0.91	1.18	80	0.12	0.092	5.5	35	0.45	76.2	0.055	1	1.92
SCP096104	13.6	0.24	1.09	1.71	71	0.11	0.095	5.9	31.3	0.47	96	0.037	1	2.02
SCP096105	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096106	26.2	0.47	1.11	1.76	67	0.3	0.061	9.1	34.4	0.73	133.1	0.044	1	2.01
SCP096107	28.7	0.13	1.25	2.49	63	0.16	0.079	6.5	38.7	0.8	140.9	0.033	<1	2.09
SCP096108	11.9	0.32	0.96	2.01	60	0.11	0.064	5.5	19.7	0.32	83	0.024	<1	1.16
SCP096109	20.2	0.2	1.36	1.8	67	0.14	0.072	6.2	30.1	0.59	110.2	0.039	1	1.78
SCP096110	19.3	0.25	1.4	2.05	69	0.17	0.099	6.1	31.6	0.59	104.5	0.033	<1	1.99
SCP096111	14.3	0.31	1.19	1.79	73	0.12	0.11	6.2	31.6	0.49	97.9	0.033	1	2.11
SCP096112	23.3	0.3	1.18	1.55	61	0.2	0.081	7	30	0.6	97.8	0.035	1	1.89
SCP096113	20.4	0.36	1.08	1.47	59	0.19	0.087	8.7	32.5	0.61	112.1	0.021	<1	2.38
SCP096115	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096116	22.9	0.07	1.19	1.53	58	0.12	0.058	6.3	20.6	0.44	102.4	0.051	<1	1.3

Sample Number	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %
SCP096117	29.4	0.12	1.8	2.25	65	0.09	0.098	9.5	31.3	0.49	174.5	0.031	<1	2.92
SCP096118	18.6	0.26	1.19	1.48	56	0.09	0.073	7.4	28.2	0.49	108.1	0.022	<1	2.59
SCP096119	19.7	0.15	1.47	1.62	75	0.11	0.108	6.2	38.5	0.83	129.8	0.044	1	2.88
SCP096121	21	0.12	0.85	1.29	58	0.19	0.054	7.6	25.9	0.61	73.5	0.056	<1	1.41
SCP096122	42.5	0.28	0.87	1.9	58	0.37	0.101	10.7	37.1	0.7	164.6	0.015	<1	3.03
SCP096123	2.9	0.19	1.63	1.3	50	0.01	0.252	1.7	9.1	0.02	28.7	0.03	<1	0.59
SCP096124	8	0.07	2.12	1.67	74	0.04	0.151	5.6	22.9	0.23	40.1	0.07	<1	1.14
SCP096125	11.5	0.09	1.59	1.36	61	0.05	0.095	5.7	20.6	0.25	60.7	0.034	<1	1.43
SCP096127	20.5	0.11	0.81	1.21	51	0.14	0.034	7.1	22.8	0.54	60.3	0.055	<1	1.27
SCP096128	11.5	0.15	1.22	1.28	62	0.07	0.096	4.7	24.4	0.4	55.3	0.022	1	1.76
SCP096129	21.2	0.08	1.33	1.6	52	0.12	0.043	5.7	21.8	0.55	64.2	0.027	<1	1.69
SCP096130	13.5	0.15	0.96	1.32	56	0.08	0.07	5.8	24.8	0.49	119.6	0.027	2	2.16
SCP096131	28	0.08	1.57	1.39	59	0.04	0.153	8.4	30.1	0.57	258.5	0.033	<1	3.33
SCP096132	16.9	0.26	1.7	2.18	72	0.07	0.13	8.6	39.6	0.84	134.8	0.033	1	3.54
SCP096134	25.8	0.18	1.55	2.17	71	0.17	0.075	5.8	36.7	0.86	129.7	0.032	1	2.61
SCP096135	17.3	0.28	0.93	1.43	52	0.11	0.116	6.4	25	0.43	115.3	0.028	1	2.44
SCP096136	8.3	0.28	0.9	1.42	64	0.07	0.186	4.5	27.1	0.38	65.7	0.03	<1	2.91
SP096137	16	0.1	0.82	0.41	41	0.1	0.074	8	13.5	0.22	92.1	0.007	<1	1.42

Sample Number	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm	Hf ppm
SA095871	0.004	0.04	<0.1	3.5	0.04	<0.02	77	0.2	0.05	7.2	1.13	<0.1	0.18
SCP095551	0.013	0.02	0.2	1.3	0.13	0.63	77	1.6	0.18	0.6	0.79	<0.1	0.04
SCP095552	0.012	0.06	0.4	4.1	0.18	0.02	53	0.3	0.29	5.8	2.96	<0.1	0.05
SCP095553	0.01	0.06	0.3	3.2	0.14	<0.02	16	0.3	0.36	5.3	2.42	<0.1	0.04
SCP095554	0.012	0.05	0.3	3.3	0.16	<0.02	11	0.2	0.22	6	2.36	<0.1	<0.02
SCP095555	0.012	0.05	0.3	3.4	0.14	<0.02	9	0.2	0.33	5.3	2.38	<0.1	<0.02
SCP095556	0.015	0.08	0.3	2.7	0.27	0.05	217	0.3	0.3	6.8	4.04	<0.1	<0.02
SCP095557	0.014	0.1	0.3	4	0.28	0.04	26	0.6	0.45	7.6	3.03	<0.1	<0.02
SCP095558	0.013	0.06	0.2	3.5	0.21	0.02	26	0.4	0.35	5.4	2.85	<0.1	<0.02
SCP095559	0.01	0.06	0.3	3.2	0.16	<0.02	24	0.2	0.37	6.7	2.62	<0.1	<0.02
SCP095560	0.012	0.02	<0.1	21.7	0.14	0.28	186	1.7	0.29	1.4	1.18	<0.1	0.3
SCP095561	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095562	0.04	0.12	1.2	7	0.45	0.08	51	0.8	0.96	9.9	5.04	<0.1	0.02
SCP095563	0.014	0.08	0.8	4	0.23	0.05	<5	0.5	0.69	6.3	3.11	<0.1	<0.02
SCP095564	0.024	0.06	0.5	1.6	0.23	0.37	94	1.3	0.21	4.2	2.85	<0.1	<0.02
SCP095565	0.016	0.06	0.3	0.7	0.21	0.27	150	1.5	0.17	4	2.54	<0.1	<0.02
SCP095566	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095567	0.013	0.1	0.6	3.4	0.19	0.07	15	0.4	0.36	5.2	2.14	<0.1	0.02
SCP095568	0.012	0.08	0.6	3.5	0.16	0.03	14	0.3	0.28	5	2.29	<0.1	<0.02
SCP095569	0.011	0.09	0.7	2.9	0.21	0.03	32	0.4	0.43	7.2	2.72	<0.1	<0.02
SCP095570	0.016	0.06	0.5	2.3	0.13	0.05	12	<0.1	0.31	5.4	2.47	<0.1	<0.02
SCP095571	0.015	0.12	1.2	3.5	0.2	0.13	24	0.5	0.57	8.1	3.81	<0.1	<0.02
SCP095573	0.013	0.05	0.5	2.9	0.1	<0.02	17	0.3	0.11	5.6	2.47	<0.1	<0.02
SCP095574	0.014	0.07	0.4	4.3	0.17	<0.02	34	0.3	0.23	7.5	3.79	<0.1	<0.02
SCP095575	0.015	0.1	0.3	3.8	0.2	0.04	43	0.7	0.38	8.7	4.54	<0.1	<0.02
SCP095576	0.012	0.06	0.8	4	0.16	0.02	52	0.2	0.54	6.5	3.44	<0.1	0.05
SCP095578	0.015	0.23	1.3	5.6	0.21	0.11	52	0.5	1	9.5	3.92	<0.1	0.09

Sample Number	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm	Hf ppm
SCP095579	0.021	0.19	1.4	4.2	0.24	0.25	83	1.1	1.08	6.5	3.63	<0.1	<0.02
SCP095580	0.017	0.08	1.4	3.7	0.16	0.08	17	0.4	0.75	7.2	3.37	<0.1	0.02
SCP095582	0.02	0.13	0.9	4.3	0.19	0.14	39	0.4	0.87	6.8	2.94	<0.1	0.02
SCP095583	0.02	0.14	1	4.8	0.2	0.11	33	0.5	0.71	6.5	3.04	<0.1	0.05
SCP095584	0.012	0.07	1	2.3	0.16	0.03	15	0.1	0.5	5.8	1.99	<0.1	<0.02
SCP095586	0.014	0.08	1.2	2.9	0.18	0.1	33	0.3	0.91	7.4	3.02	<0.1	0.03
SCP095587	0.016	0.09	1.4	3.3	0.22	0.11	31	0.4	1.02	9.8	2.96	<0.1	0.03
SCP095589	0.015	0.1	1.3	4	0.28	0.12	121	0.5	1.03	9.8	4.99	<0.1	0.13
SCP095590	0.015	0.1	1.5	4.3	0.25	0.13	149	0.6	1	7.7	5	<0.1	0.13
SCP095591	0.011	0.08	1	4.1	0.27	0.11	339	0.5	0.84	10.6	5.93	<0.1	0.08
SCP095592	0.012	0.1	0.9	3.5	0.25	0.09	76	0.4	0.74	8.4	4.71	<0.1	0.06
SCP095594	0.012	0.12	1.1	6.7	0.37	0.09	65	0.6	0.72	8.8	6.73	<0.1	0.07
SCP095595	0.01	0.08	0.6	3.9	0.26	0.03	100	0.3	0.77	12.8	6.4	<0.1	0.09
SCP095596	0.012	0.09	0.5	4.2	0.29	0.06	112	0.4	0.54	9	4.4	<0.1	0.02
SCP095598	0.01	0.04	0.4	1.7	0.14	0.03	58	0.1	0.35	6.6	2.09	<0.1	<0.02
SCP095599	0.011	0.08	0.3	2.9	0.15	0.03	24	<0.1	0.45	7.7	2.58	<0.1	0.06
SCP095600	0.011	0.07	0.6	2.6	0.13	0.04	24	0.2	0.54	6.7	2.66	<0.1	<0.02
SCP095602	0.014	0.08	0.7	4.9	0.22	0.07	114	0.7	0.46	5.9	2.64	<0.1	0.06
SCP095603	0.01	0.1	0.6	3.2	0.28	0.04	33	0.1	0.37	9.8	3.07	<0.1	0.03
SCP095604	0.01	0.05	0.6	2.6	0.15	0.04	88	0.3	0.48	7.2	3.25	<0.1	0.05
SCP095605	0.011	0.08	0.6	2.6	0.28	0.08	125	0.6	1	9.1	5.14	<0.1	0.09
SCP095607	0.011	0.08	1.2	2.2	0.24	0.1	90	0.3	1.36	10.5	4.72	<0.1	0.06
SCP095608	0.009	0.05	0.5	2.6	0.15	0.02	39	0.1	0.21	8.6	2.93	<0.1	0.06
SCP095609	0.009	0.05	0.4	2.3	0.13	0.02	59	0.2	0.3	7.6	2.35	<0.1	0.03
SCP095611	0.013	0.11	0.5	3.2	0.16	0.13	33	0.4	0.31	7	3.17	<0.1	<0.02
SCP095612	0.009	0.07	0.3	3.1	0.13	0.04	40	0.3	0.33	6	3.05	<0.1	<0.02
SCP095613	0.004	0.05	0.5	3.4	0.1	0.02	117	0.5	0.5	7.9	3.36	<0.1	0.11
SCP095614	0.012	0.06	0.5	2.3	0.13	0.03	26	0.1	0.34	8	2.21	<0.1	0.02
SCP095616	0.002	<0.01	0.8	0.6	<0.02	0.59	20	1.9	<0.02	0.2	0.08	0.2	<0.02
SCP095617	0.016	0.06	0.4	2.7	0.22	0.02	27	0.3	0.24	7	3.07	<0.1	<0.02

Sample Number	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm	Hf ppm
SCP095618	0.018	0.07	0.6	2.8	0.17	0.02	24	0.3	0.21	6.2	2.92	<0.1	<0.02
SCP095619	0.013	0.07	0.6	4.3	0.18	0.05	131	0.6	0.18	6.9	3.35	<0.1	0.04
SCP095620	0.018	0.12	1.5	4.7	0.19	0.17	76	0.9	0.62	8	2.81	<0.1	0.05
SCP095621	0.017	0.09	1.7	2.3	0.17	0.14	44	0.6	0.54	9	1.94	<0.1	<0.02
SCP095622	0.011	0.06	0.9	2	0.15	0.06	42	0.3	0.27	5.9	2.12	<0.1	0.03
SCP095624	0.011	0.09	1	3.4	0.27	0.1	129	0.5	0.31	6.3	2.25	<0.1	0.05
SCP095625	0.021	0.11	1.9	2.7	0.2	0.19	115	0.8	0.58	4.8	2.94	<0.1	0.08
SCP095626	0.003	0.03	1.8	1.2	0.19	0.09	47	0.6	0.78	13	2.32	<0.1	0.03
SCP095627	0.014	0.11	0.9	3.1	0.23	0.17	157	1	0.77	14.8	3.21	<0.1	0.04
SCP095628	0.015	0.08	1.1	3	0.27	0.11	44	0.4	0.52	7.8	2.98	<0.1	0.05
SCP095629	0.021	0.09	2	4.1	0.22	0.16	156	1	1.27	9.5	1.74	<0.1	0.03
SCP095631	0.018	0.07	1.7	2.6	0.19	0.13	53	0.4	0.92	10.8	1.84	<0.1	0.03
SCP095632	0.012	0.07	1.4	3.2	0.18	0.1	149	0.7	0.62	6.9	3.68	<0.1	0.08
SCP095633	0.007	0.06	0.8	2.6	0.22	0.05	61	0.2	0.41	8.2	3.5	0.1	0.03
SCP095634	0.009	0.04	0.4	2.8	0.17	<0.02	45	<0.1	0.29	7.5	4.25	<0.1	0.04
SCP095635	0.013	0.05	0.3	3.2	0.16	0.03	20	0.7	0.44	6.6	6.29	<0.1	0.02
SCP095636	0.01	0.05	0.6	2.4	0.09	<0.02	33	0.1	0.13	5.7	2.39	<0.1	<0.02
SCP095637	0.011	0.04	0.5	2.3	0.08	<0.02	22	0.2	0.17	5.6	1.85	<0.1	<0.02
SCP095638	0.009	0.05	0.4	3	0.08	<0.02	27	0.2	0.17	5	1.8	<0.1	<0.02
SCP095640	0.008	0.06	0.4	2.8	0.1	0.03	51	0.3	0.36	5.3	2.12	<0.1	<0.02
SCP095641	0.015	0.09	0.3	4.4	0.24	0.02	23	0.7	0.67	5.5	3.54	<0.1	<0.02
SCP095642	0.008	0.08	0.4	3.1	0.19	0.03	59	0.6	0.42	6.4	8.83	<0.1	<0.02
SCP095643	0.007	0.07	1	2.3	0.17	0.04	73	0.8	0.49	6.3	6.68	<0.1	<0.02
SCP095645	0.007	0.06	0.4	2	0.2	0.03	36	0.3	0.52	7	6.39	<0.1	<0.02
SCP095646	0.007	0.05	1.1	2.9	0.15	0.04	49	0.3	1.24	7	4.82	<0.1	0.03
SCP095647	0.007	0.03	0.5	1.6	0.09	<0.02	29	0.1	0.37	5.7	1.49	<0.1	0.02
SCP095648	0.006	0.04	0.5	1.8	0.07	<0.02	19	0.2	0.38	5.3	1.45	<0.1	<0.02
Scp095649	0.005	0.04	0.5	2.1	0.09	0.02	54	0.2	0.34	6.3	2.12	<0.1	0.02
SCP095651	0.01	0.07	0.4	3	0.11	<0.02	20	0.7	0.34	4.2	2.33	<0.1	<0.02
SCP095652	0.01	0.08	0.4	3.4	0.15	0.02	30	0.3	0.31	4.9	3	<0.1	<0.02

Sample Number	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm	Hf ppm
SCP095653	0.008	0.07	0.6	2.6	0.16	0.02	27	0.8	0.42	5.5	2.79	<0.1	<0.02
SCP095654	0.007	0.07	0.4	2.8	0.15	<0.02	37	0.3	0.28	5.5	2.88	<0.1	<0.02
SCP095655	0.009	0.1	0.4	3	0.11	<0.02	14	0.7	0.49	4.3	2.08	<0.1	0.02
SCP095656	0.007	0.13	0.7	3.7	0.28	0.05	80	0.9	0.62	6.5	4.21	<0.1	<0.02
SCP095657	0.01	0.09	0.6	2.9	0.23	0.03	78	0.6	0.84	8.2	3.53	<0.1	<0.02
SCP095658	0.006	0.05	0.6	2.6	0.13	0.25	152	1.6	0.4	3.7	1.99	0.1	<0.02
SCP095659	0.007	0.03	0.3	1.2	0.16	0.03	37	0.3	0.1	5.7	2.24	<0.1	<0.02
SCP095660	0.008	0.05	0.4	2.1	0.12	0.04	49	0.4	0.22	5.6	2.66	<0.1	<0.02
SCP095661	0.006	0.06	0.6	3.3	0.16	0.02	38	0.2	0.26	7.7	4.16	<0.1	0.08
SCP095662	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095663	0.005	0.03	0.7	2.8	0.11	<0.02	27	<0.1	0.17	5.4	2.72	<0.1	0.06
SCP095664	0.03	0.09	0.4	4.2	0.19	0.03	20	0.6	0.12	6.9	4.07	<0.1	<0.02
SCP095665	0.01	0.09	0.5	3.8	0.09	<0.02	17	0.3	0.22	7.6	4	<0.1	<0.02
SCP095666	0.009	0.07	0.4	4	0.09	0.02	36	0.2	0.28	7.6	3.2	<0.1	0.03
SCP095667	0.011	0.2	0.8	6.1	0.38	0.04	38	1.7	0.54	9.6	7.03	0.1	<0.02
SCP095668	0.007	0.06	0.5	3.3	0.09	<0.02	53	0.2	0.28	6.1	3.46	<0.1	0.04
SCP095669	0.007	0.04	0.2	1.8	0.08	<0.02	28	0.2	0.08	5.8	1.66	<0.1	<0.02
SCP095670	0.009	0.06	0.3	2.5	0.12	<0.02	20	0.2	0.11	4.6	2.88	<0.1	<0.02
SCP095671	0.005	0.03	0.3	2.2	0.08	<0.02	23	0.3	0.18	4	1.64	<0.1	0.03
SCP095672	0.009	0.03	0.2	2	0.07	<0.02	9	0.2	0.02	3.5	2.39	<0.1	0.02
SCP095673	0.008	0.05	0.3	2.2	0.08	<0.02	18	0.2	0.15	4.2	2.48	<0.1	<0.02
SCP095675	0.007	0.06	0.3	2.8	0.12	<0.02	33	0.2	0.16	5.6	2.64	<0.1	<0.02
SCP095676	0.008	0.05	0.3	2.4	0.08	<0.02	18	0.4	0.23	5.1	3.31	<0.1	<0.02
SCP095677	0.008	0.04	0.3	2.2	0.07	<0.02	14	<0.1	0.07	4.4	1.83	<0.1	<0.02
SCP095678	0.01	0.04	0.2	2.3	0.08	<0.02	24	0.2	0.06	3.4	1.86	<0.1	<0.02
SCP095679	0.008	0.1	0.5	2.8	0.2	0.03	41	0.7	0.27	7.4	4.63	<0.1	<0.02
SCP095680	0.007	0.05	0.3	2.8	0.14	<0.02	36	0.4	0.36	5.7	3.33	<0.1	<0.02
SCP095681	0.008	0.06	0.5	3.5	0.14	<0.02	26	0.5	0.48	6.1	2.78	<0.1	<0.02
SCP095682	0.009	0.07	0.4	2.7	0.12	0.03	34	0.7	0.44	5.5	1.77	<0.1	<0.02

Sample Number	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm	Hf ppm
SCP095683	0.006	0.06	0.4	3.8	0.17	0.08	65	0.6	0.27	4.8	3.02	<0.1	0.1
SCP095684	0.009	0.12	0.8	3.3	0.16	0.14	81	0.5	0.72	5.3	2.66	<0.1	0.06
SCP095685	0.009	0.05	0.5	2.5	0.1	0.02	34	0.4	0.35	4.8	2.12	<0.1	<0.02
SCP095686	0.005	0.05	0.9	7.8	0.23	0.1	216	1.9	0.64	5.2	5.45	<0.1	0.03
SCP095687	0.006	0.08	1	2.4	0.25	0.06	172	0.7	1.66	7.3	5.04	<0.1	0.03
SCP095688	0.018	0.13	3.3	2.8	0.25	0.23	101	1.4	1.93	5.8	2.16	<0.1	<0.02
SCP095689	0.01	0.11	0.6	3.2	0.24	0.07	57	0.7	0.54	6.2	3.5	<0.1	<0.02
SCP095690	0.013	0.13	0.5	3.7	0.29	0.15	38	0.5	0.57	5.2	4.69	<0.1	0.02
SCP095691	0.004	0.1	0.9	3.9	0.2	0.04	128	0.4	0.65	6.6	4.51	<0.1	0.06
SCP095692	0.012	0.11	4	4.9	0.17	0.06	62	0.3	0.92	11.8	4.5	<0.1	0.03
SCP095693	0.011	0.07	1	3	0.12	<0.02	41	0.3	0.53	8.5	3.43	<0.1	<0.02
SCP095694	0.013	0.09	1.1	4.7	0.21	0.07	51	0.5	0.69	8.2	5.01	<0.1	0.06
SCP095695	0.009	0.06	1.4	2.4	0.2	0.03	34	0.2	0.92	10.3	5.66	<0.1	<0.02
SCP095696	0.007	0.07	0.9	3.1	0.17	0.03	76	0.3	0.73	6.9	3.04	<0.1	0.1
SCP095697	0.013	0.08	0.9	3.6	0.2	0.05	43	0.3	0.47	8.8	4.38	<0.1	0.04
SCP095698	0.012	0.09	0.8	2.8	0.17	0.07	12	0.2	0.62	9.4	3.4	<0.1	<0.02
SCP095699	0.013	0.13	0.8	4.8	0.17	0.11	53	0.5	0.69	7.2	3.24	<0.1	0.05
SCP095700	0.018	0.15	0.9	4.7	0.25	0.15	70	0.7	0.75	9.7	4.19	<0.1	0.07
SCP095701	0.011	0.07	0.7	3.8	0.25	0.09	102	0.8	0.54	5.7	3.65	<0.1	0.05
SCP095702	0.011	0.1	1.2	3.3	0.22	0.19	93	1.4	0.86	7	2.71	<0.1	0.04
SCP095703	0.009	0.08	1	3.3	0.23	0.12	84	0.6	0.51	8.3	3.02	<0.1	0.03
SCP095704	0.005	0.05	0.9	1.8	0.17	0.04	52	0.2	0.68	7.2	2.82	<0.1	<0.02
SCP095705	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095706	0.005	0.05	0.3	2.4	0.1	<0.02	78	0.2	0.13	6.5	3.05	<0.1	0.05
SCP095708	0.003	0.07	0.4	4.1	0.13	0.02	39	0.4	0.29	5.9	2.81	<0.1	0.14
SCP095709	0.005	0.09	0.2	3.3	0.27	0.02	29	0.4	0.4	9.6	4.98	<0.1	<0.02
SCP095711	0.007	0.04	0.4	1.9	0.07	<0.02	27	0.2	0.22	5.4	2.7	<0.1	0.02
SCP095712	0.006	0.05	0.5	2.2	0.13	0.03	65	0.3	0.7	6.5	3.12	<0.1	<0.02
SCP095713	0.003	0.09	0.9	3.7	0.22	0.05	51	0.3	1	6.2	4.68	<0.1	0.06
SCP095715	0.012	0.09	1	4	0.33	0.07	86	0.4	4.47	12.4	7.42	<0.1	0.04

Sample Number	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm	Hf ppm
SCP095716	0.016	0.07	0.5	3.4	0.14	0.04	33	0.7	0.74	6.1	3.08	<0.1	<0.02
SCP095717	0.014	0.06	0.5	3	0.12	<0.02	20	0.7	0.48	5.8	2.57	<0.1	<0.02
SCP095718	0.013	0.08	0.6	3.4	0.16	0.04	40	0.2	0.96	8	3.93	<0.1	<0.02
SCP095720	0.011	0.06	0.5	2.7	0.2	0.02	24	0.2	0.57	8.6	4.51	<0.1	<0.02
SCP095721	0.011	0.07	0.6	3.2	0.13	0.04	93	0.7	0.72	8.7	3.61	<0.1	0.03
SCP095723	0.013	0.08	0.7	3.6	0.28	0.04	41	0.3	0.64	7.8	3.58	<0.1	<0.02
SCP095724	0.015	0.1	0.5	4.2	0.22	0.04	20	0.2	0.52	7.2	4.68	<0.1	<0.02
SCP095725	0.013	0.08	0.6	3.5	0.19	0.03	20	0.3	0.52	7	3.56	<0.1	<0.02
SCP095727	0.014	0.07	0.5	3.6	0.24	0.05	51	0.6	0.3	5.1	3.13	<0.1	<0.02
SCP095728	0.015	0.09	0.5	3.8	0.16	0.03	26	0.4	0.3	6.2	2.77	<0.1	<0.02
SCP095729	0.013	0.18	0.7	5.1	0.3	0.05	72	0.8	0.48	7.6	4.89	<0.1	<0.02
SCP095731	0.022	0.11	1.2	4.1	0.33	0.14	37	0.8	0.59	7	3.34	<0.1	<0.02
SCP095732	0.013	0.06	0.8	3.1	0.12	<0.02	19	0.4	0.24	6.1	1.84	<0.1	<0.02
SCP095733	0.035	0.11	1.2	3.3	0.19	0.26	120	0.6	0.43	5.2	2.02	<0.1	0.05
SCP095734	0.01	0.05	1.3	3.6	0.2	0.03	81	0.4	0.32	4.4	1.89	<0.1	0.09
SCP095735	0.011	0.05	0.7	5.3	0.16	0.08	44	0.5	0.2	4.5	2.18	<0.1	0.09
SCP095736	0.015	0.07	0.9	2.8	0.14	0.08	53	0.3	0.28	5.1	2.37	<0.1	0.06
SCP095737	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095739	0.012	0.05	0.3	3.2	0.13	0.04	62	0.2	0.14	6.4	2.86	<0.1	0.06
SCP095740	0.01	0.04	0.4	2.8	0.13	<0.02	60	0.2	0.24	5.8	2.63	<0.1	0.05
SCP095741	0.012	0.09	0.6	3.1	0.17	0.07	30	0.4	0.33	4.2	2.03	<0.1	0.05
SCP095742	0.011	0.08	0.8	4	0.2	0.06	53	0.4	0.47	5.9	3.37	<0.1	<0.02
SCP095743	0.013	0.11	1.4	4.6	0.26	0.09	95	0.6	0.66	5.9	3.65	<0.1	0.08
SCP095744	0.02	0.13	1.4	3.2	0.27	0.22	49	0.7	0.57	6.3	2.88	<0.1	<0.02
SCP095745	0.011	0.07	3.1	3.6	0.24	0.08	108	0.8	1.04	6.8	3.59	<0.1	0.08
SCP095746	0.021	0.11	1.2	4.6	0.25	0.14	85	0.7	0.52	6.1	2.56	<0.1	0.06
SCP095747	0.004	0.02	0.6	1.3	0.15	0.19	23	0.5	0.41	9.5	2.46	0.2	0.03
SCP095748	0.013	0.11	1	4	0.31	0.06	49	0.4	0.34	8.2	3.36	<0.1	<0.02
SCP095749	0.01	0.06	0.8	3.1	0.21	0.03	36	0.3	0.29	7.7	2.63	<0.1	<0.02
SCP095750	0.012	0.09	0.9	3.8	0.17	0.05	28	0.7	0.5	7.2	2.98	<0.1	<0.02

Sample Number	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm	Hf ppm
SCP095751	0.008	0.06	0.4	2.1	0.17	0.03	98	0.4	0.31	5.8	2.11	<0.1	<0.02
SCP095752	0.011	0.08	1.3	2.9	0.15	0.09	68	1	0.77	5.2	2.51	<0.1	<0.02
SCP095753	0.007	0.09	0.7	3.4	0.19	0.05	116	1.5	0.64	5.6	3.3	<0.1	<0.02
SCP095754	0.008	0.09	0.6	2.8	0.18	0.05	45	0.8	0.45	5.3	2.91	<0.1	<0.02
SCP095755	0.01	0.08	1.1	3.1	0.21	0.06	37	0.6	0.61	6.3	2.55	<0.1	<0.02
SCP095756	0.013	0.08	1.1	3.3	0.17	0.06	79	0.8	0.73	7.2	3.12	<0.1	<0.02
SCP095757	0.014	0.11	0.8	3.5	0.22	0.08	92	0.8	0.77	8.9	3.6	<0.1	<0.02
SCP095758	0.013	0.11	1	4	0.18	0.06	37	0.6	0.77	7.5	3.98	<0.1	<0.02
SCP095759	0.016	0.1	1	3.1	0.14	0.11	30	0.5	0.88	8.1	2.11	<0.1	<0.02
SCP095760	0.017	0.08	1.1	4.3	0.14	0.06	32	0.7	0.69	7	3.49	<0.1	<0.02
SCP095761	0.014	0.06	0.9	4.3	0.14	0.03	23	0.8	1.05	5.9	3.1	<0.1	<0.02
SCP095762	0.016	0.07	0.8	4	0.17	0.03	32	0.7	0.6	6.3	3.08	<0.1	<0.02
SCP095763	0.017	0.06	0.6	4.4	0.16	0.02	24	0.8	0.48	5.9	3.63	<0.1	<0.02
SCP095764	0.014	0.07	0.8	5.3	0.39	0.05	201	0.7	0.39	7.2	8.87	<0.1	0.03
SCP095765	0.012	0.1	0.9	4.4	0.16	0.08	62	0.3	0.6	7.4	5.18	<0.1	0.05
SCP095766	0.026	0.15	1.5	4.9	0.21	0.25	53	0.7	0.77	6.9	5.02	<0.1	0.1
SCP095767	0.019	0.08	1.5	5	0.16	0.09	29	0.4	0.64	7.7	5.86	<0.1	<0.02
SCP095769	0.011	0.06	0.2	2.8	0.11	<0.02	26	0.3	0.07	5.7	3.66	<0.1	<0.02
Scp095770	0.01	0.05	0.2	3	0.11	<0.02	41	0.3	0.11	5.2	3.18	<0.1	0.08
Scp095771	0.01	0.05	0.3	3	0.11	<0.02	51	0.3	0.23	6.7	2.97	<0.1	0.06
Scp095772	0.009	0.04	0.3	2.2	0.08	<0.02	34	0.2	0.13	7.7	3.88	<0.1	0.05
Scp095773	0.015	0.04	0.2	2.7	0.16	<0.02	15	0.3	0.14	4.7	3.15	<0.1	<0.02
Scp095774	0.013	0.06	0.5	3.6	0.14	0.02	33	0.2	0.3	6.1	3.19	<0.1	0.03
Scp095775	0.011	0.07	0.6	3.7	0.18	0.04	61	0.4	0.67	7.9	4.07	<0.1	0.04
Scp095776	0.011	0.08	0.4	4	0.19	0.03	65	0.3	0.47	9	4.32	<0.1	0.07
Scp095777	0.01	0.05	0.4	2.7	0.1	0.02	58	0.3	0.3	10.2	2.41	<0.1	0.03
Scp095778	0.012	0.05	0.2	2.4	0.07	<0.02	38	0.3	0.18	4.3	2.66	<0.1	0.05
Scp095779	0.01	0.05	0.3	2.6	0.11	<0.02	34	0.2	0.2	7.3	2.9	<0.1	0.03
Scp095780	0.013	0.09	0.6	3.8	0.2	0.07	38	0.4	0.6	7.9	4.66	<0.1	0.06
Scp095781	0.012	0.06	0.4	2.7	0.12	<0.02	66	0.2	0.25	9.3	3.65	<0.1	0.08

Sample Number	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm	Hf ppm
Scp095782	0.012	0.06	0.6	4.3	0.15	0.05	66	0.5	0.41	9.3	3.35	<0.1	0.09
Scp095783	0.01	0.07	0.7	3.1	0.17	<0.02	29	<0.1	0.61	8.1	6.32	<0.1	0.03
Scp095784	0.012	0.07	0.9	3.6	0.13	0.02	32	0.2	0.61	8.9	4.31	<0.1	0.05
Scp095785	0.013	0.07	0.9	4.1	0.17	0.04	21	0.2	0.48	8.5	5.04	<0.1	0.04
SCP095787	0.009	0.12	0.7	3.1	0.22	<0.02	43	<0.1	0.59	9.3	4.95	<0.1	0.06
SCP095788	0.008	0.07	0.6	2.2	0.19	0.03	36	0.1	0.67	9.6	5.49	<0.1	0.03
SCP095789	0.01	0.09	1.4	3.6	0.22	0.04	93	0.3	0.68	8.1	5.98	<0.1	0.11
SCP095790	0.011	0.11	0.9	3.7	0.28	0.05	70	0.3	0.89	11.3	7.71	<0.1	0.11
SCP095791	0.009	0.05	1.1	3.1	0.11	0.06	129	0.8	1.06	13	4.03	<0.1	0.13
SCP095792	0.016	0.08	13.7	3.5	0.2	0.14	51	1.6	1.26	10.2	3.88	<0.1	0.09
SCP095793	0.022	0.11	2	3.7	0.24	0.14	92	0.7	0.79	9.1	5.38	<0.1	0.1
SCP095795	0.011	0.07	1.4	3.5	0.23	0.17	56	0.6	0.69	6.3	2.78	<0.1	0.1
SCP095796	0.018	0.09	2.7	2.7	0.24	0.14	88	1	1.25	6.1	2.71	<0.1	0.07
SCP095797	0.005	0.05	2.6	2.5	0.16	0.06	57	1	1.35	7.1	3.54	<0.1	0.02
SCP095799	0.013	0.08	0.3	3.4	0.15	0.04	34	0.2	0.27	7.7	4.47	<0.1	0.02
Scp095801	0.008	0.06	0.6	4.1	0.15	<0.02	47	0.2	0.26	6.8	3.18	<0.1	0.05
Scp095802	0.009	0.05	0.4	2.8	0.09	<0.02	21	0.3	0.29	4.9	2.63	<0.1	<0.02
Scp095803	0.006	0.08	0.3	3.3	0.21	0.06	75	0.8	0.29	5.9	4.68	<0.1	<0.02
Scp095804	0.011	0.06	0.5	3.4	0.09	<0.02	13	0.5	0.18	4.7	2.54	<0.1	<0.02
Scp095806	0.015	0.09	0.5	4.2	0.18	0.02	65	0.8	0.58	9.8	4.45	<0.1	<0.02
Scp095807	0.016	0.06	0.4	3.4	0.11	0.02	24	0.5	0.27	6.2	3.25	<0.1	<0.02
Scp095808	0.012	0.08	1.2	3.1	0.2	0.04	75	0.5	0.74	8	4.49	<0.1	<0.02
Scp095809	0.009	0.07	0.5	4.6	0.33	0.1	56	0.6	0.9	12.7	9.95	<0.1	<0.02
Scp095811	0.008	0.11	0.5	4	0.24	0.15	29	1.2	1.53	14.9	6.85	<0.1	0.08
Scp095812	0.011	0.1	0.6	3.6	0.21	0.05	93	0.4	0.51	6.7	5.22	<0.1	0.07
Scp095813	0.017	0.17	1.3	5.6	0.76	0.2	80	0.4	5.39	12.4	8.45	<0.1	0.03
Scp095814	0.013	0.1	0.5	3.9	0.37	0.09	71	0.3	0.91	8.1	6.41	<0.1	0.04
Scp095816	0.011	0.07	0.4	4	0.18	0.03	32	0.4	0.37	7.2	3.88	<0.1	0.09
Scp095817	0.01	0.05	0.3	3.1	0.19	0.03	69	0.3	0.31	8	3.23	<0.1	0.05
Scp095818	0.011	0.08	0.5	4.3	0.28	0.1	71	0.5	0.45	7.5	5.71	<0.1	0.1

Sample Number	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm	Hf ppm
Scp095819	0.011	0.07	0.4	4.5	0.15	0.03	84	0.3	0.49	7.7	3.79	<0.1	0.11
Scp095821	0.014	0.08	0.5	4.5	0.24	0.05	99	0.5	0.65	9.5	4.98	<0.1	0.13
Scp095822	0.009	0.04	0.4	2.8	0.17	0.03	71	0.3	0.4	9	3.77	<0.1	0.06
Scp095823	0.014	0.08	0.5	4.8	0.28	0.04	59	0.4	0.62	8.4	4.4	<0.1	0.12
Scp095825	0.015	0.08	0.5	3.7	0.18	0.03	34	0.3	0.53	7.6	2.96	<0.1	0.02
Scp095826	0.012	0.05	0.5	3.9	0.13	0.04	127	0.4	0.23	6.2	2.97	<0.1	0.13
Scp095827	0.016	0.1	0.3	7.3	0.37	0.15	172	0.9	0.45	9.4	5.32	<0.1	0.16
Scp095828	0.014	0.06	0.7	3.8	0.14	0.03	92	0.3	0.23	6.3	2.78	<0.1	0.08
Scp095829	0.014	0.05	0.3	3.1	0.13	<0.02	78	0.4	0.23	7.1	2.31	<0.1	0.03
Scp095830	0.012	0.07	0.6	3.2	0.11	0.02	62	0.3	0.25	6.2	2.6	<0.1	0.03
Scp095831	0.012	0.04	0.3	1.1	0.12	0.32	63	0.6	0.15	3.5	2.33	<0.1	<0.02
Scp095832	0.012	0.06	0.7	3.3	0.17	0.02	17	0.2	0.26	5.6	2.41	<0.1	<0.02
Scp095833	0.005	0.1	0.7	3.9	0.27	0.06	73	0.4	0.56	7.4	4.27	<0.1	<0.02
Scp095834	0.012	0.13	0.9	3.4	0.2	0.19	43	0.9	0.75	9.1	2.92	<0.1	0.03
Scp095836	0.007	0.09	0.8	3.6	0.22	0.07	78	0.9	0.58	7.3	3.05	<0.1	<0.02
Scp095837	0.01	0.14	1.7	5.2	0.29	0.18	163	1.5	0.88	7.2	3.56	<0.1	0.29
Scp095838	0.015	0.49	0.5	10.1	1.06	0.08	63	0.9	0.47	13.4	11.77	<0.1	0.07
Scp095839	0.008	0.07	1.3	3.6	0.15	0.1	76	0.7	0.65	6.8	2.84	<0.1	0.06
Scp095840	0.016	0.1	2.4	3.1	0.21	0.1	50	0.9	0.54	6.8	2.01	<0.1	<0.02
Scp095841	0.02	0.1	0.9	5	0.23	0.06	34	0.3	1.01	7.9	2.28	<0.1	<0.02
Scp095842	0.015	0.09	1.1	3.8	0.2	0.05	58	0.6	0.4	6.1	3.1	<0.1	<0.02
Scp095843	0.013	0.06	0.6	2.1	0.14	0.02	45	0.1	0.17	5.9	1.56	<0.1	<0.02
Scp095844	0.007	0.07	0.3	2.6	0.13	<0.02	31	0.3	0.25	5.1	2.85	<0.1	<0.02
Scp095845	0.009	0.1	0.4	4.2	0.19	0.04	73	0.7	0.4	5.6	3.85	<0.1	<0.02
Scp095847	0.01	0.07	0.3	3.3	0.15	<0.02	44	0.7	0.23	5.2	3.57	<0.1	<0.02
Scp095848	0.003	0.02	0.4	0.9	0.05	0.11	45	0.6	0.12	1.3	0.5	0.2	0.02
Scp095849	0.004	0.05	0.4	2	0.1	0.02	79	0.3	0.12	9.2	2.54	<0.1	0.03
Scp095850	0.007	0.06	0.3	3.3	0.15	0.03	94	0.5	0.21	6.1	3.8	<0.1	0.03
Scp095851	0.011	0.09	0.3	5	0.21	0.03	46	0.4	0.49	9.4	5.64	<0.1	<0.02
Scp095852	0.008	0.05	0.4	2.5	0.09	0.02	36	0.2	0.33	7.3	3.08	<0.1	<0.02

Sample Number	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm	Hf ppm
Scp095853	0.012	0.1	0.3	7.2	0.32	0.05	74	1.2	0.54	9.7	8.28	<0.1	0.09
Scp095854	0.01	0.1	0.3	7.5	0.66	0.04	71	1.3	0.57	7.6	4.74	<0.1	0.02
Scp095855	0.012	0.12	0.4	7.9	0.3	0.04	85	1	0.44	9.6	4.5	<0.1	0.03
Scp095856	0.01	0.06	0.3	3.3	0.14	0.02	29	0.4	0.29	5.9	2.79	<0.1	<0.02
Scp095857	0.009	0.06	0.3	3.7	0.15	<0.02	34	0.2	0.24	6.1	2.93	<0.1	<0.02
Scp095859	0.009	0.07	0.3	4.1	0.18	0.02	46	0.3	0.29	7.4	3.13	<0.1	<0.02
Scp095860	0.01	0.11	0.4	4.7	0.23	0.03	38	0.5	0.44	9.4	4.99	<0.1	<0.02
Scp095861	0.009	0.09	0.4	4.8	0.22	0.03	47	0.6	0.32	5.9	3.27	<0.1	<0.02
Scp095862	0.01	0.11	0.4	4.4	0.18	0.04	41	0.6	0.54	7.8	4.03	<0.1	<0.02
Scp095863	0.01	0.09	0.4	3.6	0.15	<0.02	20	0.4	0.33	5.8	2.79	<0.1	<0.02
Scp095864	0.009	0.14	0.4	4.9	0.24	0.04	39	0.4	0.58	9.3	5.22	<0.1	<0.02
Scp095865	0.009	0.12	0.4	4.6	0.26	0.04	36	0.5	0.55	8.5	5.26	<0.1	0.06
Scp095866	0.007	0.08	0.6	6.2	0.38	0.07	150	1.4	0.42	5.4	3.53	<0.1	0.06
Scp095867	0.017	0.03	<0.1	0.4	0.08	0.28	101	0.6	0.05	0.3	0.12	<0.1	0.03
Scp095869	0.011	0.11	0.5	4.5	0.2	0.13	52	0.4	0.46	6.6	2.39	<0.1	<0.02
Scp095870	0.006	0.08	0.3	4.1	0.16	0.03	43	0.3	0.19	6.2	2.43	<0.1	<0.02
Scp095951	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Scp095952	0.004	0.01	0.5	2.9	0.03	0.19	39	0.6	0.19	0.5	0.12	0.2	0.06
Scp095953	0.005	0.01	0.2	1.7	0.03	0.23	71	0.6	<0.02	0.3	0.11	0.1	<0.02
scp095954	0.008	0.05	0.7	2.5	0.14	0.13	103	1	0.27	4.4	2.31	<0.1	<0.02
Scp095955	0.01	0.03	0.2	1	0.12	0.3	267	1.5	0.16	1.8	1.26	<0.1	<0.02
Scp095956	0.011	0.07	0.3	2.5	0.16	0.03	108	0.6	0.15	4.8	2.77	<0.1	<0.02
Scp095957	0.011	0.06	0.7	3.4	0.18	0.04	93	0.6	0.23	6.2	2.63	<0.1	<0.02
Scp095958	0.014	0.08	1.2	2.9	0.16	0.11	65	0.5	0.45	6.3	2.27	<0.1	0.04
Scp095959	0.011	0.06	0.5	3.1	0.18	0.04	37	0.6	0.35	5.9	2.34	<0.1	<0.02
Scp095960	0.012	0.06	0.8	4.1	0.25	0.06	66	0.6	0.33	7.7	4.14	<0.1	0.05
Scp095961	0.023	0.15	1	4.9	0.27	0.26	90	1	0.75	7	2.8	<0.1	0.06
Scp095962	0.012	0.07	0.9	3.5	0.15	0.07	36	0.4	0.69	12.9	2.59	<0.1	0.04
Scp095963	0.011	0.09	0.8	3.4	0.2	0.08	43	0.4	0.55	7.6	2.63	<0.1	0.04
Scp095964	0.009	0.04	0.8	2.2	0.14	0.04	19	0.3	0.47	7.2	1.65	<0.1	<0.02

Sample Number	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm	Hf ppm
Scp095965	0.012	0.09	1.1	3.4	0.18	0.07	34	0.5	0.57	7.3	2.93	<0.1	<0.02
Scp095966	0.017	0.11	0.9	4	0.18	0.07	39	0.6	0.48	6.6	2.39	<0.1	<0.02
Scp095967	0.013	0.08	0.8	4	0.17	0.04	41	0.5	0.47	6.7	2.73	<0.1	<0.02
Scp095968	0.014	0.1	1	2.9	0.12	0.11	54	0.4	0.7	8.4	2.36	<0.1	<0.02
Scp095969	0.015	0.09	0.8	3.5	0.16	0.05	27	0.3	0.43	6.9	2.72	<0.1	<0.02
Scp095970	0.013	0.09	0.8	3	0.18	0.05	28	0.4	0.52	7	3.02	<0.1	<0.02
Scp095971	0.018	0.11	1.4	3.4	0.21	0.11	32	0.8	1.09	8.1	2.95	<0.1	<0.02
Scp095972	0.015	0.13	0.9	3	0.19	0.13	38	0.5	0.54	6.9	3.08	<0.1	<0.02
Scp095973	0.014	0.13	1.2	3.7	0.21	0.07	68	0.4	0.8	8.5	4.52	<0.1	<0.02
Scp095974	0.012	0.1	1.1	3.5	0.18	0.04	28	0.2	0.74	7.9	3.45	<0.1	<0.02
Scp095975	0.014	0.15	2.3	3.5	0.25	0.12	85	0.5	0.89	8	4.09	<0.1	0.05
Scp095976	0.018	0.17	2.3	3.7	0.28	0.18	86	0.6	1	8.3	4.56	<0.1	0.07
Scp095977	0.01	0.2	1.6	3.7	0.27	0.06	149	0.4	0.93	8.4	3.63	<0.1	0.09
Scp095978	0.004	0.01	0.2	3.4	0.04	0.5	152	3.2	0.31	0.3	0.38	<0.1	0.07
Scp095979	0.009	0.04	0.2	1.6	0.06	0.27	294	2.3	0.11	1.3	0.62	<0.1	0.1
Scp095980	0.009	0.08	0.7	1.2	0.85	0.09	47	0.5	0.57	7.3	2.12	<0.1	0.04
Scp095981	0.005	0.04	0.5	2.4	0.17	0.07	35	1.2	0.67	7	3.31	<0.1	0.04
Scp095982	0.009	0.12	0.6	5.5	0.25	0.09	72	0.9	1.01	10.1	5.37	<0.1	0.06
Scp095983	0.007	0.06	0.4	2.5	0.16	0.02	101	0.4	0.25	7.7	3.06	<0.1	0.07
Scp095984	0.012	0.07	0.7	4.1	0.18	0.03	129	0.4	0.55	7.4	3.72	<0.1	0.1
Scp095985	0.01	0.08	0.8	4	0.21	0.04	87	0.3	0.64	8.2	4.69	<0.1	0.09
Scp095986	0.009	0.05	0.7	3.7	0.14	0.04	58	0.4	0.48	6.2	3	<0.1	0.08
Scp095987	0.01	0.09	0.8	4.1	0.19	0.04	71	0.6	0.72	8.1	5.93	<0.1	0.12
Scp095988	0.012	0.09	0.9	5.1	0.27	0.05	51	0.5	0.79	9.3	7.32	<0.1	0.18
Scp095989	0.02	0.14	2.8	4	0.33	0.19	76	0.9	1.53	8.3	4.82	<0.1	0.1
Scp095990	0.009	0.05	0.6	3.7	0.17	0.03	79	0.4	0.45	8.1	4.31	<0.1	0.04
Scp095991	0.009	0.07	0.7	4	0.19	0.03	43	0.4	0.64	7.7	4.15	<0.1	0.08
Scp095992	0.01	0.06	0.6	3.5	0.22	0.03	53	0.5	0.6	7.7	5.07	<0.1	0.07
Scp095993	0.011	0.07	0.7	2.8	0.24	0.12	115	3.3	1.95	14.8	7.04	0.1	0.11
Scp095994	0.047	0.19	0.8	3.1	0.27	0.47	70	2.1	2.61	14.6	4.47	0.2	0.11

Sample Number	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm	Hf ppm
Scp095995	0.013	0.07	0.5	4	0.17	0.03	<5	0.5	0.57	7.1	3.68	<0.1	<0.02
Scp095996	0.009	0.06	0.4	3	0.2	0.02	67	0.3	0.61	9.1	5.43	<0.1	0.03
Scp095997	0.011	0.07	0.7	3.9	0.24	0.03	78	0.3	0.75	8.2	5.04	<0.1	0.06
Scp095998	0.014	0.09	0.6	4.5	0.32	0.03	26	0.6	1.25	8.8	5.08	<0.1	0.06
Scp095999	0.011	0.09	0.4	5.7	0.25	0.06	75	0.8	0.54	8.8	8.65	<0.1	0.05
SCP096001	0.012	0.09	0.4	4.2	0.28	0.05	26	0.4	0.27	8.7	3.75	<0.1	<0.02
SCP096002	0.008	0.08	0.6	4	0.22	0.05	40	0.4	0.34	8.1	3.2	<0.1	0.03
SCP096004	0.007	0.09	0.6	3.7	0.17	0.08	77	0.6	0.37	5.5	2.85	<0.1	0.04
SCP096005	0.012	0.09	0.6	3.2	0.2	0.05	41	0.4	0.49	6.3	2.32	<0.1	<0.02
SCP096006	0.008	0.08	0.5	3.8	0.31	0.03	72	0.4	0.22	6.8	3.16	<0.1	<0.02
SCP096007	0.008	0.07	0.6	3.1	0.21	0.03	34	0.3	0.37	6.2	2.58	<0.1	<0.02
SCP096008	0.009	0.05	0.5	2.4	0.14	<0.02	36	0.2	0.23	4.8	1.67	<0.1	<0.02
SCP096009	0.006	0.05	0.4	2.8	0.08	<0.02	29	0.1	0.2	5.8	3.2	<0.1	0.03
SCP096010	0.007	0.04	0.2	1.9	0.07	<0.02	14	<0.1	0.19	6.3	1.68	<0.1	<0.02
SCP096011	0.007	0.08	0.3	3.1	0.11	0.03	27	0.2	0.39	7.5	5.86	<0.1	<0.02
SCP096012	0.006	0.07	0.5	3.3	0.11	0.03	23	0.2	0.47	7.9	3.5	<0.1	0.04
SCP096013	0.01	0.08	0.5	3.1	0.16	0.06	20	0.3	0.61	5.6	2.74	<0.1	<0.02
SCP096014	0.01	0.09	0.4	4.9	0.24	0.02	45	0.3	0.55	9.9	5.61	<0.1	0.03
SCP096016	0.015	0.08	0.4	5.3	0.19	0.02	33	0.4	0.61	9	4.39	<0.1	<0.02
SCP096017	0.01	0.06	0.4	2.8	0.1	<0.02	17	0.2	0.28	5.4	2.55	<0.1	<0.02
SCP096018	0.011	0.13	0.4	4	0.24	0.04	44	0.3	0.63	8.7	4.87	<0.1	<0.02
SCP096019	0.009	0.1	0.5	4.6	0.22	0.03	45	0.4	0.46	8	4.1	<0.1	<0.02
SCP096020	0.008	0.05	0.3	3.5	0.13	<0.02	35	0.2	0.2	6	3.13	<0.1	<0.02
SCP096021	0.009	0.07	0.4	3.4	0.13	<0.02	34	0.2	0.29	5.9	2.26	<0.1	<0.02
SCP096022	0.01	0.08	0.3	3.8	0.19	0.02	45	0.3	0.3	6.4	3.4	<0.1	<0.02
SCP096024	0.013	0.11	0.7	3.9	0.18	0.08	23	1	0.55	9.5	3.16	<0.1	<0.02
SCP096025	0.014	0.06	0.3	3.2	0.13	0.03	32	0.3	0.21	4.5	2.03	<0.1	<0.02
SCP096026	0.009	0.11	0.4	4.1	0.25	0.02	32	0.6	0.43	7.3	4.29	<0.1	0.02
SCP096027	0.008	0.07	0.6	3.3	0.14	0.02	31	0.3	0.34	5.5	2.71	<0.1	<0.02
SCP096028	0.01	0.09	0.5	4.3	0.24	0.03	49	0.5	0.35	7.1	3.61	<0.1	<0.02

Sample Number	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm	Hf ppm
SCP096029	0.01	0.13	0.6	3.8	0.21	0.09	29	0.4	0.56	6.4	2.63	<0.1	0.02
SCP096030	0.006	0.04	0.4	2.2	0.14	<0.02	25	0.1	0.18	4.5	1.72	<0.1	<0.02
Scp096051	0.008	0.1	0.5	3.9	0.25	0.03	20	0.4	0.56	6.1	3.94	<0.1	<0.02
SCP096052	0.009	0.09	0.5	4.1	0.24	0.04	31	0.5	0.61	6.6	3.33	<0.1	<0.02
Scp096053	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096054	0.005	0.09	0.5	3.9	0.32	0.06	74	0.6	0.45	6.8	5.28	<0.1	<0.02
SCP096055	<0.001	0.05	0.5	5.3	0.28	0.17	104	1.8	0.4	4.6	4.78	0.2	0.11
SCP096056	0.007	0.07	0.7	3.7	0.21	0.05	59	0.6	0.4	6.7	4.07	<0.1	<0.02
Scp096057	0.002	0.05	0.5	4.3	0.18	0.06	96	0.4	0.44	5.4	3.36	<0.1	0.16
Scp096058	0.004	0.1	0.5	4	0.28	0.05	44	0.4	0.56	7.3	5.26	<0.1	0.09
Scp096059	0.004	0.1	0.6	5.1	0.32	0.1	97	0.7	0.53	6.9	4.47	<0.1	0.16
SCP096060	0.006	0.05	0.3	3.2	0.17	<0.02	28	0.2	0.11	7.7	2.9	<0.1	0.04
Scp096061	0.006	0.06	0.6	3.1	0.16	0.03	63	0.3	0.41	8.3	3.23	<0.1	0.03
SCP096062	0.009	0.09	0.7	3.3	0.2	0.05	34	0.4	0.39	7.8	3.37	<0.1	<0.02
SCP096063	0.004	0.16	0.6	3.8	0.29	0.06	63	0.5	0.84	11.8	4.86	<0.1	0.05
SCP096064	0.087	0.4	1.1	2.7	0.24	0.88	5	1.8	0.83	8.1	2.67	<0.1	0.04
SCP096101	0.009	0.05	0.4	2.9	0.08	<0.02	25	0.2	0.21	6.8	2.47	<0.1	<0.02
SCP096102	0.008	0.06	0.5	2.8	0.07	0.02	38	0.2	0.22	5.9	2.23	<0.1	0.02
SCP096103	0.008	0.05	0.5	2.9	0.1	<0.02	30	0.2	0.3	7.5	2.73	<0.1	0.06
SCP096104	0.007	0.05	0.4	3.1	0.12	0.02	33	0.2	0.46	7.3	2.86	<0.1	0.03
SCP096105	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096106	0.01	0.08	0.4	3.5	0.13	0.03	18	0.2	0.41	6.4	2.76	<0.1	<0.02
SCP096107	0.01	0.1	0.4	3.5	0.21	0.07	24	0.3	0.66	7.1	2.7	<0.1	<0.02
SCP096108	0.007	0.04	0.5	2.2	0.12	<0.02	19	0.1	0.32	5.9	1.99	<0.1	<0.02
SCP096109	0.009	0.08	0.5	3.5	0.14	0.04	50	0.2	0.52	6.5	2.32	<0.1	<0.02
SCP096110	0.007	0.09	0.6	3.8	0.16	0.04	31	0.3	0.62	6.7	3.46	<0.1	<0.02
SCP096111	0.006	0.07	0.5	3.4	0.14	0.03	37	0.3	0.47	7.9	2.83	<0.1	<0.02
SCP096112	0.009	0.08	0.5	3.6	0.17	0.03	30	0.4	0.39	5.9	3.17	<0.1	<0.02
SCP096113	0.008	0.08	0.4	3.5	0.24	0.03	40	0.3	0.34	6.7	3.01	<0.1	<0.02

Sample Number	Na %	K %	W ppm	Sc ppm	Tl ppm	S %	Hg ppb	Se ppm	Te ppm	Ga ppm	Cs ppm	Ge ppm	Hf ppm
SCP096115	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096116	0.009	0.06	0.5	3.4	0.16	0.04	21	0.3	0.33	5.7	1.91	<0.1	0.03
SCP096117	0.006	0.09	0.8	4	0.22	0.06	83	0.5	0.59	7.1	3.13	<0.1	0.07
SCP096118	0.005	0.08	0.5	3.9	0.2	0.03	117	0.4	0.33	6.6	3.3	<0.1	<0.02
SCP096119	0.008	0.11	0.6	4.4	0.22	0.05	53	0.5	0.55	8	3.79	<0.1	0.06
SCP096121	0.01	0.06	0.4	3.8	0.14	0.03	22	0.2	0.23	5.6	1.74	<0.1	<0.02
SCP096122	0.008	0.14	0.4	4	0.39	0.06	116	0.6	0.35	7.7	3.91	<0.1	<0.02
SCP096123	0.003	0.03	0.6	0.9	0.06	0.1	21	0.5	0.32	4.6	0.79	0.2	0.08
SCP096124	0.005	0.05	0.7	2.4	0.21	0.07	42	0.4	0.51	8.2	3.66	<0.1	0.03
SCP096125	0.006	0.07	0.5	2.4	0.16	0.07	26	0.8	0.4	6.4	3.12	<0.1	<0.02
SCP096127	0.01	0.05	0.5	2.9	0.13	0.03	13	0.4	0.21	5.2	2.12	<0.1	0.02
SCP096128	0.007	0.06	0.6	2.1	0.12	<0.02	59	0.3	0.38	5.8	2.16	<0.1	0.03
SCP096129	0.008	0.05	1	2.8	0.15	0.03	19	0.6	0.32	5.9	2.69	<0.1	0.02
SCP096130	0.008	0.05	0.4	2.7	0.14	<0.02	17	0.4	0.33	6.1	2.6	<0.1	0.04
SCP096131	0.006	0.19	0.5	4.1	0.2	0.26	48	0.6	0.51	6.7	3.36	<0.1	0.1
SCP096132	0.006	0.1	0.6	5.1	0.24	0.11	53	0.6	0.61	9.6	4.38	<0.1	0.07
SCP096134	0.007	0.11	0.6	4.3	0.22	0.04	22	0.5	0.61	7.1	3.4	<0.1	0.02
SCP096135	0.006	0.06	0.7	3.1	0.16	0.03	31	0.3	0.35	6.2	3.29	<0.1	0.03
SCP096136	0.004	0.05	0.6	2.8	0.11	0.03	81	0.3	0.6	7.8	2.6	<0.1	0.1
SP096137	0.005	0.05	<0.1	1.8	0.07	0.03	28	0.6	0.18	3.2	1.65	<0.1	<0.02

Sample Number	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Pd ppb	Pt ppb
SA095871	1.44	5.7	0.4	<0.05	5.9	6.07	33.4	0.05	<1	0.9	11.6	<10	<2
SCP095551	0.33	2.4	0.1	<0.05	1.7	38.08	16.3	<0.02	25	0.3	0.4	<10	<2
SCP095552	0.59	11.9	0.4	<0.05	2.8	6.56	20.1	0.07	1	0.5	9.2	<10	<2
SCP095553	0.37	13.1	0.3	<0.05	1.9	2.94	11.7	0.07	<1	0.4	9	<10	<2
SCP095554	0.37	12.1	0.4	<0.05	0.2	4.1	13	0.05	<1	0.3	10.7	<10	<2
SCP095555	0.35	12.1	0.3	<0.05	0.4	5.26	14.2	0.06	2	0.3	9.9	<10	<2
SCP095556	0.9	13.6	0.6	<0.05	0.2	6.75	15.8	0.06	1	0.3	6.3	<10	<2
SCP095557	0.45	19.3	0.4	<0.05	<0.1	6.69	18.1	0.1	2	0.5	15.8	<10	<2
SCP095558	0.57	16.7	0.4	<0.05	0.3	9.21	16.9	0.05	<1	0.6	12.7	<10	<2
SCP095559	0.48	14.9	0.4	<0.05	0.6	2.89	12.1	0.05	<1	0.3	11.1	<10	<2
SCP095560	1.09	3.3	<0.1	<0.05	10.2	88.18	34.8	<0.02	3	5.3	10.7	<10	3
SCP095561	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095562	0.63	20.9	0.5	<0.05	0.3	7.01	16.7	0.1	1	0.4	9.1	<10	<2
SCP095563	0.38	13.6	0.4	<0.05	0.6	2.97	13.8	0.05	1	0.2	7.7	<10	<2
SCP095564	0.4	7.9	0.2	<0.05	<0.1	9.12	16	0.04	12	0.4	7.2	<10	<2
SCP095565	0.65	7.7	0.3	<0.05	0.2	13.44	19.8	0.04	5	0.7	7.8	<10	<2
SCP095566	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095567	0.32	14.2	0.3	<0.05	1	1.96	12.3	0.05	<1	0.2	5.3	<10	<2
SCP095568	0.27	12.4	0.4	<0.05	0.2	4.49	16	0.04	1	0.2	6.7	<10	<2
SCP095569	0.77	16	0.5	<0.05	0.1	1.89	11.2	0.04	2	0.3	9.7	<10	<2
SCP095570	0.45	16.3	0.4	<0.05	0.3	3.05	12.4	0.03	<1	0.2	3.9	<10	<2
SCP095571	1.15	17.1	0.5	<0.05	0.3	2.52	11.6	0.07	2	0.4	9.5	<10	<2
SCP095573	0.57	10.4	0.3	<0.05	0.5	4.59	14.8	0.04	<1	0.3	13.2	<10	<2
SCP095574	0.82	16.2	0.5	<0.05	0.7	6.4	20	0.06	<1	0.7	19.9	<10	<2
SCP095575	0.82	28	0.5	<0.05	0.4	18.73	46.5	0.06	<1	1.5	18.3	<10	<2
SCP095576	0.83	13.1	0.5	<0.05	2.8	3.36	16	0.05	<1	0.5	13	<10	<2
SCP095578	0.71	23.4	0.5	<0.05	3.1	3.72	14.3	0.11	<1	0.4	16.5	<10	<2

Sample Number	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Pd ppb	Pt ppb
SCP095579	0.76	17.9	0.4	<0.05	0.7	2.3	12	0.09	<1	0.4	9.3	<10	<2
SCP095580	0.71	17.8	0.5	<0.05	0.7	2.46	11.1	0.04	<1	0.1	6.7	<10	<2
SCP095582	0.32	17.7	0.5	<0.05	1.1	2.15	10.4	0.08	<1	0.3	12	<10	<2
SCP095583	0.37	18.8	0.4	<0.05	1.8	2.52	12.7	0.09	<1	0.3	13.4	<10	<2
SCP095584	0.73	16.2	0.6	<0.05	0.6	2.21	11.3	0.03	<1	0.1	2.7	<10	<2
SCP095586	0.73	13.5	0.5	<0.05	1.1	1.62	10.7	0.05	<1	0.2	6.9	<10	<2
SCP095587	0.84	13.2	0.7	<0.05	1.5	1.55	12.2	0.05	<1	0.1	7.4	<10	<2
SCP095589	2.64	15.7	0.9	<0.05	5.9	1.94	16.9	0.11	<1	0.3	13.6	<10	<2
SCP095590	1.36	14.6	0.6	<0.05	5	2.37	14	0.09	<1	0.4	15.5	<10	<2
SCP095591	0.86	14.6	0.6	<0.05	3.6	2.02	14.3	0.1	<1	0.3	9.7	<10	<2
SCP095592	1.27	17.3	0.6	<0.05	2.5	2.02	12.5	0.07	<1	0.4	17.6	<10	<2
SCP095594	0.6	14	0.5	<0.05	3.9	5.13	15.1	0.09	<1	0.2	8.4	<10	<2
SCP095595	2.5	15.7	1.1	<0.05	4	2.25	12.9	0.09	1	0.5	16.6	<10	<2
SCP095596	1.2	14.7	0.6	<0.05	0.8	7.97	18	0.11	<1	0.3	13.4	<10	<2
SCP095598	1.69	7.2	0.7	<0.05	0.6	1.68	10.4	0.03	<1	0.1	4.8	<10	<2
SCP095599	0.83	14.7	0.7	<0.05	1.9	2.51	13	0.05	<1	0.2	9.9	<10	<2
SCP095600	0.69	18.9	0.4	<0.05	0.3	2.9	11.8	0.08	<1	0.2	12.4	<10	<2
SCP095602	1.12	8.5	0.4	<0.05	2.3	6.79	18.7	0.06	2	0.4	12.8	<10	<2
SCP095603	1.43	12.6	0.7	<0.05	1.6	1.73	11.2	0.04	<1	0.2	8.3	<10	<2
SCP095604	1.95	8.2	0.5	<0.05	2.2	2.32	11.4	0.05	<1	0.4	11.5	<10	<2
SCP095605	1.66	10.9	0.6	<0.05	3.9	1.62	17.7	0.06	<1	0.4	9.9	<10	<2
SCP095607	1.98	11.4	0.7	<0.05	2.7	1.43	17.5	0.06	<1	0.3	8	<10	<2
SCP095608	1.56	11.6	0.7	<0.05	2.4	2.96	13.4	0.04	<1	0.3	12.4	<10	<2
SCP095609	1.19	10.4	0.5	<0.05	1.5	2.62	12.7	0.03	<1	0.4	9.5	<10	<2
SCP095611	0.41	15.1	0.4	<0.05	0.8	5.12	16.6	0.03	1	0.1	4.3	<10	<2
SCP095612	0.47	16.2	0.4	<0.05	0.3	4.25	15.3	0.04	1	0.2	7	<10	<2
SCP095613	2.36	11.8	0.7	<0.05	4.2	2.89	11.9	0.07	1	0.5	16.7	<10	<2
SCP095614	1.3	11.1	0.8	<0.05	0.9	1.87	11.9	0.06	<1	0.2	8.3	<10	<2
SCP095616	0.11	0.2	<0.1	<0.05	0.6	0.32	0.7	<0.02	2	<0.1	<0.1	<10	<2
SCP095617	1.67	16.1	0.8	<0.05	1	8.2	22.8	0.05	<1	0.6	13.7	<10	<2

Sample Number	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Pd ppb	Pt ppb
SCP095618	0.63	12.3	0.6	<0.05	0.2	4.14	13.4	0.05	<1	0.4	14.7	<10	<2
SCP095619	1.56	14.3	0.5	<0.05	1.4	6.45	15.3	0.08	1	0.7	18.5	<10	<2
SCP095620	0.55	13.3	0.5	<0.05	2.3	2.01	11.4	0.07	<1	0.5	10.5	<10	<2
SCP095621	1.44	12.4	0.7	<0.05	0.9	1.38	11.7	0.05	<1	0.2	3.7	<10	<2
SCP095622	0.85	13.8	0.5	<0.05	1.1	1.55	13	0.05	1	0.3	8.6	<10	<2
SCP095624	0.52	14	0.5	<0.05	2	1.83	16.9	0.08	<1	0.5	9.7	<10	<2
SCP095625	0.38	13.3	0.4	<0.05	2.6	1.36	13.6	0.07	<1	0.4	7.4	<10	<2
SCP095626	1.07	5	0.7	<0.05	1.6	1.1	6.8	0.05	<1	<0.1	0.5	<10	<2
SCP095627	0.57	7.5	0.8	<0.05	2	2.74	11.8	0.05	<1	<0.1	1.2	<10	<2
SCP095628	0.95	9.1	0.7	<0.05	1.8	1.54	14.5	0.03	<1	0.2	4.5	<10	<2
SCP095629	0.82	9.8	0.6	<0.05	1.1	1.29	9.2	0.05	<1	0.2	3.2	<10	<2
SCP095631	2.61	8.7	0.9	<0.05	1.2	1.29	13.1	0.05	<1	0.2	3.5	<10	<2
SCP095632	1.82	9.4	0.6	<0.05	3.7	1.68	13.9	0.08	3	0.3	10.8	<10	<2
SCP095633	0.93	8.9	0.6	<0.05	0.9	4.82	15.2	0.07	<1	0.2	1.3	<10	<2
SCP095634	1.26	11.6	0.6	<0.05	1.5	2.23	11	0.06	<1	0.3	16.4	<10	<2
SCP095635	1.48	12.2	0.5	<0.05	0.9	3.67	12.1	0.11	<1	0.5	27.4	<10	<2
SCP095636	0.81	15.1	0.5	<0.05	0.3	2.62	11.2	0.03	<1	0.3	10.2	<10	<2
SCP095637	0.84	11.1	0.5	<0.05	0.9	2.28	11.3	0.03	<1	0.2	10.4	<10	<2
SCP095638	0.49	12	0.4	<0.05	0.5	3.32	12.4	0.05	<1	0.2	12.5	<10	<2
SCP095640	0.52	10.9	0.3	<0.05	0.5	2.73	12	0.05	2	0.3	11.6	<10	<2
SCP095641	0.27	16.4	0.4	<0.05	0.3	10.5	19	0.05	<1	0.3	16.3	<10	<2
SCP095642	1.12	25.8	0.5	<0.05	0.4	4.1	13.4	0.06	<1	0.4	19.2	<10	<2
SCP095643	1.41	16.2	0.5	<0.05	0.5	2.23	9.8	0.07	<1	0.6	20	<10	<2
SCP095645	1.17	16.6	0.5	<0.05	0.3	4	11.7	0.07	<1	0.6	11.9	<10	<2
SCP095646	1.3	13.9	0.4	<0.05	1.5	1.61	7.7	0.05	<1	0.5	14.3	<10	<2
SCP095647	0.68	12.9	0.4	<0.05	0.7	1.25	8.8	0.03	<1	0.1	4.4	<10	<2
SCP095648	0.76	7.6	0.4	<0.05	0.6	1.22	8.7	0.03	<1	0.2	6.4	<10	<2
Scp095649	0.99	14.6	0.4	<0.05	1.2	1.47	8.7	0.03	<1	0.3	9.5	<10	<2
SCP095651	0.25	8.8	0.3	<0.05	0.2	6.76	18.1	0.05	<1	0.2	8	<10	<2
SCP095652	0.44	12	0.4	<0.05	0.3	7.2	19.8	0.06	<1	0.5	14	<10	<2

Sample Number	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Pd ppb	Pt ppb
SCP095653	0.39	13	0.4	<0.05	0.1	8.6	15.4	0.03	<1	0.4	9.5	<10	<2
SCP095654	0.41	8.8	0.3	<0.05	0.4	4.31	13.8	0.05	<1	0.3	8.3	<10	<2
SCP095655	0.29	7.8	0.3	<0.05	1.2	4.31	13.5	0.06	<1	0.4	7.3	<10	<2
SCP095656	0.38	15.3	0.4	<0.05	0.2	15.02	26.8	0.1	2	1	10.3	<10	<2
SCP095657	0.46	10.6	0.6	<0.05	0.3	4.87	13.3	0.06	<1	0.2	5.3	<10	<2
SCP095658	0.64	6.9	0.3	<0.05	0.2	7.8	14.3	0.05	3	0.2	2.6	<10	<2
SCP095659	0.21	5.5	0.4	<0.05	<0.1	3.2	11.4	0.03	<1	0.1	7.2	<10	<2
SCP095660	0.4	7.1	0.4	<0.05	0.3	3.81	13.2	0.02	<1	0.4	10.6	<10	<2
SCP095661	1.22	13	0.7	<0.05	4.4	2.55	13.9	0.06	<1	0.2	11.6	<10	<2
SCP095662	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095663	0.84	9	0.5	<0.05	2.6	3.13	12.8	0.03	<1	0.3	8.8	<10	<2
SCP095664	0.96	17.1	0.6	<0.05	1.1	6.71	13.9	0.04	<1	0.3	15.8	<10	<2
SCP095665	0.91	15.4	0.5	<0.05	0.7	4.22	14.5	0.05	<1	0.5	22.1	<10	<2
SCP095666	0.73	15	0.4	<0.05	1.5	5.54	14.6	0.03	<1	0.3	21.3	<10	<2
SCP095667	0.49	41.2	0.6	<0.05	0.4	25.51	35.8	0.09	<1	1.2	21.4	<10	<2
SCP095668	0.53	9.4	0.3	<0.05	2.3	2.7	11.1	0.04	<1	0.4	14.3	<10	<2
SCP095669	0.8	8.4	0.4	<0.05	1.1	2.13	17.8	0.02	<1	<0.1	10.1	<10	<2
SCP095670	0.41	15.6	0.4	<0.05	0.2	4.6	16.4	0.03	<1	0.3	9.3	<10	<2
SCP095671	0.3	6.3	0.3	<0.05	1	2.29	11.7	0.03	1	0.3	6.9	<10	<2
SCP095672	0.41	9.2	0.3	<0.05	0.8	2.65	13.7	0.02	<1	0.1	8.5	<10	<2
SCP095673	0.41	10.3	0.3	<0.05	0.6	2.83	14.6	0.03	<1	0.3	10	<10	<2
SCP095675	0.55	12.1	0.3	<0.05	0.5	5.04	16.7	0.03	<1	0.6	13.3	<10	<2
SCP095676	0.4	13.8	0.4	<0.05	0.2	3.55	12.8	0.05	2	0.5	20	<10	<2
SCP095677	0.36	9.4	0.3	<0.05	0.4	2.82	13.6	<0.02	<1	<0.1	8	<10	<2
SCP095678	0.43	8.5	0.4	<0.05	0.8	3.6	14.9	0.02	<1	0.2	11.2	<10	2
SCP095679	0.64	23.2	0.5	<0.05	0.2	5.68	20.5	0.04	1	1	14.7	<10	<2
SCP095680	0.65	14.9	0.5	<0.05	0.3	3.98	15.1	0.05	<1	0.4	18.3	<10	<2
SCP095681	0.56	13.5	0.4	<0.05	1.1	3.13	10.9	0.05	<1	0.4	16	<10	<2
SCP095682	0.42	10.6	0.4	<0.05	0.2	5.77	13.9	0.04	2	0.4	8.4	<10	<2
SCP095683	0.67	9.7	0.4	<0.05	4.2	6.99	14.2	0.04	<1	0.5	13.8	<10	<2

Sample Number	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Pd ppb	Pt ppb
SCP095684	0.39	10.7	0.3	<0.05	2.6	1.81	12.4	0.06	1	0.2	10.4	<10	<2
SCP095685	0.53	8.5	0.4	<0.05	0.4	3.68	13	0.05	<1	0.3	14.9	<10	<2
SCP095686	1.1	7.9	0.4	<0.05	0.8	55.88	77.6	0.08	3	1	3	<10	<2
SCP095687	1.02	15.7	0.7	<0.05	1.1	7.05	18.9	0.04	<1	0.4	6.3	<10	<2
SCP095688	0.68	15.4	0.4	<0.05	0.9	2.69	11.9	0.08	<1	0.1	7.3	<10	<2
SCP095689	1.07	14.7	0.5	<0.05	1.1	4.18	14.3	0.07	2	0.4	10.3	<10	<2
SCP095690	0.46	11.8	0.4	<0.05	1.1	5.83	13.9	0.06	2	0.4	5.8	<10	<2
SCP095691	0.8	23.2	0.5	<0.05	1.9	2.73	11.6	0.07	<1	0.6	13.7	<10	<2
SCP095692	2.24	22.2	1	<0.05	1.8	2.9	13	0.09	1	0.5	17.1	<10	<2
SCP095693	0.54	24.8	0.6	<0.05	1.1	2.5	11.3	0.05	<1	0.3	10.9	<10	2
SCP095694	1.47	15.4	0.5	<0.05	2.7	2.69	11.7	0.08	<1	0.5	15.4	<10	<2
SCP095695	1.14	16.8	0.8	<0.05	0.9	1.34	10.4	0.06	<1	0.2	4.2	<10	<2
SCP095696	3.28	17.6	0.8	<0.05	4.8	2.51	12	0.08	<1	0.6	8.3	<10	<2
SCP095697	1.43	24.1	0.7	<0.05	2.1	2.53	12.1	0.06	<1	0.4	10.9	<10	<2
SCP095698	1.04	25.1	0.7	<0.05	0.5	1.97	12.7	0.05	<1	0.3	6	<10	<2
SCP095699	1.47	17.9	0.5	<0.05	2.1	2.52	10.2	0.09	<1	0.5	13.7	<10	<2
SCP095700	1.62	17.5	0.6	<0.05	3.5	3.28	13.4	0.11	<1	0.5	17.7	<10	<2
SCP095701	1.9	10.7	0.7	<0.05	2.3	10.27	16.1	0.08	<1	0.6	10.1	<10	<2
SCP095702	1.95	9.3	0.5	<0.05	1.9	10.86	16.8	0.09	<1	0.4	9.9	<10	<2
SCP095703	2.38	14.2	0.7	<0.05	1.3	6.96	14.4	0.07	2	0.5	11.5	<10	<2
SCP095704	1.05	9.1	0.7	<0.05	6.1	1.61	9.4	0.04	<1	0.4	4.6	<10	<2
SCP095705	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095706	1.4	9.2	0.6	<0.05	1.6	3.56	13.6	0.05	<1	0.4	10.4	<10	<2
SCP095708	0.64	8.8	0.4	<0.05	5.4	3.85	13	0.08	<1	0.7	15.9	<10	<2
SCP095709	1.06	23.1	0.7	<0.05	0.7	5.36	19.7	0.1	<1	0.9	20.5	<10	<2
SCP095711	1.01	19	0.5	<0.05	0.7	1.95	11.1	0.04	1	0.3	10.7	<10	<2
SCP095712	0.94	15.4	0.5	<0.05	0.8	1.82	9.4	0.05	<1	0.3	12.5	<10	<2
SCP095713	0.97	14.3	0.4	<0.05	2.5	2.38	8.9	0.09	1	0.5	16.6	<10	<2
SCP095715	2.78	18.3	1.1	<0.05	2.9	2.16	11.6	0.1	1	0.5	13.6	<10	<2
SCP095716	0.36	12.9	0.4	<0.05	0.3	4.02	14.5	0.06	2	0.4	14.4	<10	4

Sample Number	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Pd ppb	Pt ppb
SCP095717	0.42	15.8	0.5	<0.05	0.3	4.12	13.8	0.05	<1	0.3	9.7	<10	<2
SCP095718	0.91	16.9	0.5	<0.05	1.1	3.29	12.6	0.06	<1	0.3	15.6	<10	<2
SCP095720	0.95	21	0.7	<0.05	0.5	2.53	12.3	0.03	<1	0.3	6	<10	<2
SCP095721	1.36	18	0.5	<0.05	1.4	2.88	10.5	0.06	<1	0.4	17.7	<10	<2
SCP095723	0.42	19.4	0.5	<0.05	0.2	3.02	13.7	0.07	<1	0.4	10	<10	<2
SCP095724	0.48	18.3	0.5	<0.05	1.1	3.91	14	0.05	1	0.3	8.2	<10	<2
SCP095725	0.61	17.9	0.5	<0.05	0.7	3.77	12.4	0.05	1	0.2	10.1	<10	<2
SCP095727	0.36	9.1	0.3	<0.05	0.2	10.47	20.7	0.05	<1	0.7	13.5	<10	<2
SCP095728	0.51	10.9	0.4	<0.05	0.6	4.11	13.5	0.04	3	0.2	7.6	<10	<2
SCP095729	0.6	16.4	0.4	<0.05	0.8	4.11	14	0.09	3	0.5	8.8	<10	<2
SCP095731	0.98	12.7	0.5	<0.05	0.4	4.93	17.3	0.07	<1	0.3	5.7	<10	<2
SCP095732	0.52	10.5	0.4	<0.05	0.7	2.86	10	0.04	<1	0.1	5.6	<10	<2
SCP095733	0.54	11	0.4	<0.05	2.4	1.66	18.1	0.08	1	0.3	7.6	<10	<2
SCP095734	0.47	6.4	0.4	<0.05	3.9	2.74	15.5	0.05	1	0.4	5.6	<10	<2
SCP095735	1.49	7.1	0.5	<0.05	5	8.14	17.8	0.06	<1	0.4	7.8	<10	<2
SCP095736	0.7	11.9	0.4	<0.05	2.4	1.83	15.6	0.05	<1	0.3	7.7	<10	<2
SCP095737	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095739	1.62	12	0.6	<0.05	2.4	3.3	14.3	0.05	1	0.6	15.3	<10	<2
SCP095740	0.82	15	0.6	<0.05	2.2	2.42	10.1	0.05	1	0.4	12.1	<10	<2
SCP095741	0.26	11.6	0.3	<0.05	2.3	1.77	12.5	0.05	<1	0.3	5.5	<10	<2
SCP095742	0.33	10.2	0.4	<0.05	1	4.3	13.9	0.07	<1	0.1	4.8	<10	<2
SCP095743	0.24	13.9	0.4	<0.05	2.7	2.46	15	0.07	<1	0.4	7	<10	<2
SCP095744	0.59	10.4	0.5	<0.05	0.9	4.04	16.9	0.04	<1	0.1	2.5	<10	<2
SCP095745	0.41	9	0.5	<0.05	2.8	1.79	11	0.07	1	0.2	6.3	<10	<2
SCP095746	0.23	13.1	0.4	<0.05	3	1.6	12.6	0.05	2	0.2	4.9	<10	<2
SCP095747	1.17	4.5	0.7	<0.05	1.4	1.6	5.3	0.03	<1	<0.1	0.4	<10	<2
SCP095748	0.79	16.5	0.6	<0.05	0.4	3.7	15.9	0.04	<1	0.3	12.7	<10	<2
SCP095749	0.68	12.5	0.7	<0.05	0.7	3.02	14.8	0.06	<1	0.2	4.8	<10	<2
SCP095750	0.59	12.9	0.5	<0.05	0.5	3.53	12.7	0.06	<1	0.5	12.1	<10	<2
SCP095751	1.12	10.2	0.7	<0.05	0.3	4.19	13.5	0.05	<1	0.3	7.6	<10	<2

Sample Number	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Pd ppb	Pt ppb
SCP095752	0.67	8.4	0.4	<0.05	0.4	5.07	16	0.07	2	<0.1	7.7	<10	<2
SCP095753	0.56	10.7	0.5	<0.05	0.3	7.11	16.8	0.07	2	0.6	12.8	<10	<2
SCP095754	0.37	11.6	0.5	<0.05	0.2	5.75	15.3	0.05	1	0.3	9.2	<10	<2
SCP095755	0.43	12.3	0.5	<0.05	0.4	4.69	13.2	0.07	1	0.1	6	<10	<2
SCP095756	0.49	9.5	0.5	<0.05	0.4	5.24	13.3	0.1	3	0.6	6.3	<10	<2
SCP095757	0.85	13.1	0.7	<0.05	0.3	7.04	15.8	0.08	2	0.4	9.1	<10	<2
SCP095758	0.99	12.2	0.6	<0.05	0.4	5.1	12.7	0.08	2	0.4	9.5	<10	3
SCP095759	0.72	14.8	0.6	<0.05	0.6	5.44	13.3	0.06	2	0.4	5.3	<10	<2
SCP095760	0.58	12.1	0.5	<0.05	0.5	9.11	14.8	0.07	<1	0.8	13.2	<10	3
SCP095761	0.37	12.8	0.4	<0.05	0.6	7.7	17.1	0.07	2	0.5	9.9	<10	3
SCP095762	0.39	11.9	0.5	<0.05	0.4	8.13	16.3	0.07	1	0.2	9	<10	<2
SCP095763	0.37	13.9	0.5	<0.05	2.6	8.95	19.2	0.08	2	0.6	17.4	<10	<2
SCP095764	1.81	13.3	0.7	<0.05	1.4	19.18	27.7	0.08	<1	0.6	5.9	<10	2
SCP095765	0.59	16.6	0.5	<0.05	2.3	2.9	12.9	0.1	3	0.6	12.9	<10	2
SCP095766	0.84	14.3	0.4	<0.05	3.6	2.56	12.7	0.1	1	0.3	13.4	<10	<2
SCP095767	0.65	9.2	0.6	<0.05	0.8	3.93	10.4	0.05	3	<0.1	6.1	<10	<2
SCP095769	0.69	15	0.5	<0.05	0.3	3.34	16	0.03	<1	0.3	11.8	<10	<2
Scp095770	1	17.2	0.4	<0.05	3.4	2.99	14.4	0.05	<1	0.6	12.8	<10	<2
Scp095771	1.17	13.2	0.4	<0.05	2.7	2.38	14.3	0.05	<1	0.4	14.7	<10	<2
Scp095772	1.05	9.7	0.5	<0.05	2.2	2.01	13.1	0.03	<1	0.3	9.5	<10	<2
Scp095773	0.51	13.1	0.4	<0.05	0.6	9.47	22	0.02	3	0.3	10	<10	<2
Scp095774	0.61	12.1	0.4	<0.05	1.3	4.41	12.9	0.05	<1	0.5	12.4	<10	<2
Scp095775	1.28	14.4	0.5	<0.05	2.3	2.5	11.6	0.06	<1	0.5	15	<10	<2
Scp095776	1.55	16.5	0.6	<0.05	3.8	2.28	11.1	0.07	1	0.4	18.9	<10	<2
Scp095777	3.5	12	0.9	<0.05	2	2.11	11.6	0.04	<1	0.3	12.8	<10	<2
Scp095778	0.44	12.1	0.3	<0.05	2.3	3	14.2	0.04	<1	0.4	7.8	<10	<2
Scp095779	0.97	12.8	0.6	<0.05	2	2.12	12.7	0.04	<1	0.3	11.3	<10	<2
Scp095780	0.88	16.7	0.4	<0.05	2.6	2.28	12.5	0.05	<1	0.4	16.6	<10	<2
Scp095781	5.14	18.5	1.2	<0.05	3.6	2.77	14.2	0.06	<1	0.6	15.8	<10	<2
Scp095782	2.81	13.4	0.7	<0.05	3.5	5.76	14.5	0.07	1	0.7	17.3	<10	<2

Sample Number	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Pd ppb	Pt ppb
Scp095783	0.66	27.9	0.6	<0.05	1.1	2.47	11.4	0.06	1	0.5	10.8	<10	<2
Scp095784	0.9	21.2	0.5	<0.05	1.4	2.61	9.8	0.07	<1	0.5	17.2	<10	<2
Scp095785	1.43	27.8	0.5	<0.05	1.7	2.81	10.7	0.05	<1	0.2	14.7	<10	<2
SCP095787	1.23	23.2	0.6	<0.05	2.4	2.15	11.8	0.08	<1	0.5	11.5	<10	<2
SCP095788	1.45	17.6	0.6	<0.05	1.8	1.8	12.4	0.04	<1	0.3	12.1	<10	<2
SCP095789	0.93	14.6	0.5	<0.05	3.7	2.92	14.9	0.07	1	0.5	12.4	<10	<2
SCP095790	1.07	15.9	0.6	<0.05	4.2	3.06	14	0.08	<1	0.3	10.3	<10	<2
SCP095791	1.78	5.9	0.5	<0.05	4.1	2.91	10.3	0.08	1	0.5	7.2	<10	<2
SCP095792	0.94	7.8	0.8	<0.05	3.7	3.49	8.7	0.11	<1	0.4	5.4	<10	<2
SCP095793	1.3	13.3	0.6	<0.05	4.1	1.97	14	0.09	<1	0.4	10.3	<10	<2
SCP095795	1.11	9	0.4	<0.05	4.6	8.08	20.1	0.05	<1	0.5	16.5	<10	<2
SCP095796	0.71	10.9	0.3	<0.05	3.2	1.64	13.2	0.07	<1	0.3	7.5	<10	<2
SCP095797	1.21	7.3	0.5	<0.05	2.1	3.6	11	0.05	<1	0.1	2.6	<10	<2
SCP095799	1.17	14.9	0.4	<0.05	0.8	5.27	17.8	0.09	1	0.8	17.7	13	<2
Scp095801	0.77	10	0.5	<0.05	2.4	3.99	13.5	0.08	<1	0.7	16.4	16	<2
Scp095802	0.39	9.1	0.4	<0.05	0.4	3.78	12.8	0.04	1	0.4	11.3	<10	<2
Scp095803	0.96	10.4	0.4	<0.05	0.4	13.66	17.5	0.06	<1	0.4	13.7	11	<2
Scp095804	0.45	9.8	0.4	<0.05	0.6	6.26	15.3	0.05	<1	0.3	10.7	<10	<2
Scp095806	0.9	15.7	0.5	<0.05	0.5	7.3	20.4	0.08	<1	0.7	19.1	<10	6
Scp095807	0.76	12	0.5	<0.05	0.4	6.11	16.9	0.05	<1	0.3	12.7	<10	<2
Scp095808	1.51	12.9	0.6	<0.05	1.1	2.51	11.5	0.07	3	0.4	12.7	<10	2
Scp095809	0.8	9.7	0.9	<0.05	1.1	5.17	16.6	0.07	<1	0.3	3.5	<10	2
Scp095811	0.99	11	0.9	<0.05	5.2	3.79	11.5	0.14	2	<0.1	1.4	<10	3
Scp095812	0.83	14.6	0.5	<0.05	3.8	2.82	11.7	0.04	2	0.6	9.5	<10	<2
Scp095813	0.51	24.8	0.9	<0.05	1.9	2.38	11.3	0.19	<1	0.3	12.8	<10	<2
Scp095814	0.48	20.3	0.5	<0.05	3.5	2.56	12.5	0.04	<1	0.5	10.1	<10	<2
Scp095816	1.25	12.1	0.6	<0.05	3.3	5.65	16.9	0.04	<1	0.5	10.7	<10	<2
Scp095817	1.62	11.7	0.7	<0.05	2.8	2.71	12.6	0.06	<1	0.5	13.1	<10	<2
Scp095818	1.09	11.5	0.5	<0.05	4.8	4.53	12.2	0.06	<1	0.5	15.6	<10	<2
Scp095819	1.31	12.8	0.5	<0.05	5.2	3.01	12	0.06	<1	0.6	14.1	<10	<2

Sample Number	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Pd ppb	Pt ppb
Scp095821	1.45	11.9	0.6	<0.05	6	5.84	17.7	0.08	<1	0.5	16.4	<10	<2
Scp095822	1.8	9.9	0.7	<0.05	2.5	2.95	14.3	0.04	<1	0.3	12.4	<10	<2
Scp095823	1.43	16.5	0.6	<0.05	5	7.11	18.6	0.07	<1	0.8	19.2	<10	<2
Scp095825	0.74	13.1	0.6	<0.05	1.1	2.94	12.1	0.05	<1	0.4	11.2	<10	<2
Scp095826	2	11.8	0.6	<0.05	5.1	4.27	12.6	0.05	<1	0.6	18.1	<10	<2
Scp095827	1.9	24.7	0.7	<0.05	6.9	18.78	34.1	0.1	<1	0.7	23.9	<10	<2
Scp095828	1.58	14.5	0.5	<0.05	3.5	3.94	13.6	0.05	<1	0.6	16.5	<10	<2
Scp095829	1.14	13.6	0.7	<0.05	1.4	2.52	12	0.05	<1	0.2	12.6	<10	<2
Scp095830	1.05	14.3	0.5	<0.05	1.5	3.8	13.3	0.05	<1	0.2	12.5	<10	<2
Scp095831	0.7	5.3	0.3	<0.05	0.1	7.53	15.8	0.03	<1	<0.1	1.9	<10	<2
Scp095832	0.45	13	0.4	<0.05	0.3	3.29	12.7	0.03	<1	0.2	7.7	<10	<2
Scp095833	1.88	17.2	0.7	<0.05	0.9	5.21	13.9	0.09	<1	0.8	19	<10	<2
Scp095834	1.34	10.2	0.7	<0.05	1.5	3.46	13.6	0.07	<1	0.2	5.7	<10	<2
Scp095836	1.19	8.3	0.5	<0.05	1.4	4	15.2	0.07	<1	0.2	7.1	<10	<2
Scp095837	0.73	15	0.6	<0.05	12.8	2.33	16.1	0.09	<1	0.4	10.3	<10	<2
Scp095838	0.55	41.6	1.2	<0.05	3.3	4.59	10.5	0.05	<1	0.4	18.2	<10	<2
Scp095839	0.99	11.8	0.5	<0.05	2.6	2.21	13.2	0.08	<1	0.5	12.4	<10	<2
Scp095840	1.07	11.5	0.6	<0.05	0.6	4.16	16.7	0.06	<1	0.2	4.7	<10	<2
Scp095841	0.77	12.1	0.8	<0.05	0.7	2.41	11.2	0.05	<1	0.1	5	<10	<2
Scp095842	0.7	11.9	0.5	<0.05	1	4.1	17.8	0.06	1	0.2	10.6	<10	<2
Scp095843	0.61	12.4	0.6	<0.05	0.2	2.55	13.5	0.03	<1	0.2	6.4	<10	<2
Scp095844	0.34	10.4	0.4	<0.05	0.2	4.01	14.4	0.03	1	0.3	9.9	<10	<2
Scp095845	0.52	12	0.3	<0.05	0.7	8.16	23.6	0.06	<1	0.5	10.9	<10	<2
Scp095847	0.42	11.4	0.4	<0.05	0.3	6.92	19.4	0.05	3	0.4	12.6	<10	<2
Scp095848	0.41	3	<0.1	<0.05	1.5	2.87	6.2	<0.02	2	0.3	0.2	<10	<2
Scp095849	1.12	9.2	0.7	<0.05	1.1	3.53	13.8	<0.02	<1	<0.1	1.5	<10	<2
Scp095850	0.71	11.9	0.3	<0.05	1.7	6.34	16.9	0.05	<1	0.3	14.9	<10	<2
Scp095851	0.82	22	0.6	<0.05	0.4	17.77	24.4	0.07	<1	1	23.4	<10	<2
Scp095852	1.07	12.2	0.7	<0.05	0.6	2.54	11.1	0.04	<1	0.4	15.4	<10	<2
Scp095853	1.06	16.7	0.7	<0.05	2.5	29.55	34.3	0.12	<1	1.7	29.3	<10	<2

Sample Number	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Pd ppb	Pt ppb
Scp095854	0.54	13.1	0.5	<0.05	0.9	17.79	42.6	0.1	<1	1	24.9	<10	<2
Scp095855	0.83	23.8	0.6	<0.05	0.9	43.94	53	0.07	<1	1.5	21.9	<10	<2
Scp095856	0.46	14.4	0.5	<0.05	0.2	6.77	14.9	0.03	<1	0.3	15.1	<10	<2
Scp095857	0.44	13.5	0.5	<0.05	0.4	7.66	18.9	0.04	<1	0.4	15.3	<10	<2
Scp095859	0.58	16.8	0.5	<0.05	0.2	5.98	15.9	0.05	<1	0.6	14.5	<10	<2
Scp095860	0.68	22.7	0.6	<0.05	0.6	7.73	21.3	0.07	<1	1.1	18.5	<10	<2
Scp095861	0.43	13.4	0.4	<0.05	0.4	8.33	23.7	0.06	<1	0.7	17.2	<10	<2
Scp095862	0.65	21.6	0.5	<0.05	0.5	11.51	23.6	0.07	1	0.7	14.9	<10	<2
Scp095863	0.56	13	0.5	<0.05	0.5	5.97	17	0.03	<1	0.4	12	<10	<2
Scp095864	0.83	26.1	0.7	<0.05	0.6	10.47	26.2	0.07	<1	1	16.4	<10	<2
Scp095865	0.96	21.2	0.5	<0.05	0.3	11.22	25.3	0.09	<1	0.9	18.2	<10	<2
Scp095866	0.65	8.4	0.4	<0.05	2	14.86	25.6	0.05	1	1.4	21.3	<10	<2
Scp095867	0.05	0.7	<0.1	<0.05	1.1	1.87	1.1	<0.02	6	<0.1	0.3	36	<2
Scp095869	0.67	11.4	0.4	<0.05	0.7	2.73	11.8	0.06	<1	0.7	17	<10	<2
Scp095870	0.95	11.4	0.5	<0.05	0.9	4.21	12.1	0.04	1	0.5	10.7	<10	<2
Scp095951	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
Scp095952	0.5	0.8	<0.1	<0.05	1.7	37.85	22.5	<0.02	2	0.2	<0.1	<10	<2
Scp095953	0.18	0.6	<0.1	<0.05	0.7	20.04	10	<0.02	7	<0.1	<0.1	<10	<2
scp095954	0.87	6	0.3	<0.05	0.5	10.52	18.5	0.04	<1	0.2	5.8	<10	<2
Scp095955	0.45	3.7	0.2	<0.05	0.2	18.22	27.9	0.05	2	0.7	1.4	<10	<2
Scp095956	0.59	8	0.3	<0.05	0.4	3.92	14.7	0.03	<1	0.3	13.9	<10	<2
Scp095957	0.81	9.6	0.4	<0.05	0.4	3.59	14	0.05	<1	0.3	11	<10	<2
Scp095958	1.87	11.1	0.5	<0.05	1.6	3.25	13.4	0.05	<1	0.3	8.7	<10	<2
Scp095959	1.08	8	0.5	<0.05	0.7	4.18	14.4	0.05	<1	0.3	9	<10	<2
Scp095960	3.23	11.8	0.7	<0.05	2.6	8.41	18.1	0.04	<1	0.5	11.6	<10	<2
Scp095961	0.68	13.2	0.4	<0.05	2.9	2.43	11	0.08	2	0.4	9.9	<10	<2
Scp095962	5.08	8.7	1.2	<0.05	1.7	3.04	10.9	0.06	<1	0.2	5.2	<10	<2
Scp095963	1.11	17.4	0.5	<0.05	1.4	1.5	8.3	0.06	1	0.3	10.5	<10	<2
Scp095964	0.85	8.8	0.7	<0.05	0.7	1.45	9.9	0.04	<1	0.3	5.8	<10	<2
Scp095965	1.06	12.5	0.4	<0.05	0.4	3.65	13.6	0.05	<1	0.3	9.4	<10	<2

Sample Number	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Pd ppb	Pt ppb
Scp095966	0.36	12.7	0.4	<0.05	0.5	3.82	11.3	0.05	<1	0.2	8	<10	<2
Scp095967	0.61	15.5	0.5	<0.05	0.2	8.65	19.6	0.05	2	0.5	10.9	<10	<2
Scp095968	1.51	15.3	0.7	<0.05	0.5	3.21	11.5	0.05	<1	0.3	9.2	<10	<2
Scp095969	1.04	18.5	0.6	<0.05	0.6	3.58	12.8	0.06	<1	0.4	12.1	<10	<2
Scp095970	0.76	13.4	0.5	<0.05	0.6	4.15	13.9	0.04	<1	0.4	9.2	<10	<2
Scp095971	0.71	14.9	0.5	<0.05	0.5	4.29	16	0.06	<1	0.6	11.7	<10	<2
Scp095972	0.61	13.8	0.4	<0.05	0.5	2.33	14.4	0.05	<1	0.3	10	<10	<2
Scp095973	1.22	19.1	0.6	<0.05	0.2	4.77	16.4	0.07	<1	0.4	11.9	<10	<2
Scp095974	0.54	18.1	0.4	<0.05	0.5	3.68	14.6	0.04	1	0.3	12	<10	<2
Scp095975	0.84	20.4	0.5	<0.05	2	2.18	13.6	0.07	<1	0.4	9.3	<10	<2
Scp095976	1.05	19.7	0.5	<0.05	2.6	2.14	13.3	0.07	<1	0.4	10.5	<10	<2
Scp095977	1.01	18.5	0.4	<0.05	3.2	2.62	12	0.08	<1	0.3	12.2	<10	<2
Scp095978	0.23	1.4	<0.1	<0.05	2.5	14.4	25.3	<0.02	<1	<0.1	0.1	<10	<2
Scp095979	0.24	3	<0.1	<0.05	2.4	31.92	50.1	0.05	<1	0.3	0.5	<10	<2
Scp095980	0.98	7.7	0.4	<0.05	2	0.68	7.9	0.04	<1	0.2	1.9	<10	<2
Scp095981	1.08	6.8	0.3	<0.05	2.9	5.56	11.3	0.07	<1	0.5	4.2	<10	<2
Scp095982	0.83	10.5	0.5	<0.05	2.8	3.42	19.8	0.21	<1	0.2	4.9	<10	<2
Scp095983	1.77	11.1	0.6	<0.05	3	2.06	13.1	0.04	<1	0.3	11.3	<10	<2
Scp095984	1	12.8	0.5	<0.05	4	3.2	14.4	0.06	<1	0.5	12.3	<10	<2
Scp095985	1.72	17.8	0.6	<0.05	4.1	2.74	12.5	0.07	<1	0.5	15.9	<10	<2
Scp095986	1.49	11.7	0.4	<0.05	3.6	2.74	10.4	0.07	<1	0.5	13.1	<10	<2
Scp095987	1.31	16.7	0.5	<0.05	4.3	2.26	12.1	0.06	<1	0.5	16.7	<10	<2
Scp095988	1.34	15.5	0.6	<0.05	7.3	3.33	17.2	0.09	<1	0.6	16	<10	<2
Scp095989	1.25	16.3	0.5	<0.05	4.8	2.2	20.3	0.08	<1	0.5	12.7	<10	<2
Scp095990	1.64	12.8	0.6	<0.05	2.5	2.85	12.5	0.03	<1	0.3	9.7	<10	<2
Scp095991	1.06	14	0.5	<0.05	3.6	2.8	13.5	0.05	<1	0.4	12.6	<10	<2
Scp095992	1.36	13.4	0.5	<0.05	3.6	2.25	12.3	0.05	<1	0.4	13.7	<10	<2
Scp095993	1.72	11.8	0.9	<0.05	5.8	1.51	10.7	0.07	<1	0.4	8.8	<10	<2
Scp095994	1.52	11.9	0.7	<0.05	4.6	2.69	13.9	0.07	<1	0.4	2.4	<10	<2
Scp095995	0.73	14.9	0.4	<0.05	1.5	3.42	14	0.04	<1	0.3	13.1	<10	<2

Sample Number	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Pd ppb	Pt ppb
Scp095996	1.23	12.2	0.6	<0.05	1.4	3.36	13.3	0.04	<1	0.3	8	<10	<2
Scp095997	0.79	12.8	0.6	<0.05	2.3	5.27	16.3	0.05	<1	0.4	10.4	<10	<2
Scp095998	0.64	12.3	0.6	<0.05	3.7	4.82	15.1	0.06	<1	0.6	18.5	<10	<2
Scp095999	0.89	12.1	0.5	<0.05	3.3	9.55	18.5	0.06	<1	0.4	10	<10	<2
SCP096001	2.77	15.9	1.4	<0.05	0.6	4.58	17.3	0.05	<1	0.4	20.4	<10	<2
SCP096002	1.05	13	0.7	<0.05	1.6	2.42	16.7	0.05	<1	0.2	9.9	<10	<2
SCP096004	0.81	9	0.4	<0.05	2.2	3.43	11.8	0.06	<1	0.3	15.2	<10	<2
SCP096005	0.62	11.6	0.4	<0.05	0.5	3.64	13	0.04	<1	0.2	6.9	<10	<2
SCP096006	1.11	12.2	0.5	<0.05	0.8	6.55	17.3	0.05	<1	0.5	15.3	<10	<2
SCP096007	0.74	10.2	0.5	<0.05	0.3	5.26	13	0.05	<1	0.2	7	<10	<2
SCP096008	0.64	9.1	0.4	<0.05	0.5	5.75	10.7	0.04	<1	0.2	5.8	<10	<2
SCP096009	0.75	8.4	0.3	<0.05	1.3	2.76	9	0.05	<1	0.4	16.2	<10	<2
SCP096010	0.73	9.1	0.6	<0.05	0.5	2.34	10.1	0.03	<1	0.2	12.3	<10	<2
SCP096011	1.34	16	0.5	<0.05	0.7	3.68	11.9	0.1	<1	0.5	24.3	<10	<2
SCP096012	1.22	16.1	0.5	<0.05	1.4	3.14	10.1	0.07	<1	0.4	20.9	<10	<2
SCP096013	0.58	15.4	0.4	<0.05	0.3	6.37	14.9	0.04	<1	0.3	11.3	<10	<2
SCP096014	1.03	23	0.7	<0.05	1.3	10.49	20.9	0.11	<1	1.3	14	<10	<2
SCP096016	0.81	17.4	0.6	<0.05	0.6	8.07	14.5	0.07	<1	0.5	21.3	<10	<2
SCP096017	0.47	11.7	0.4	<0.05	0.4	4.04	12.1	0.04	<1	0.4	12.8	<10	<2
SCP096018	0.77	25.4	0.5	<0.05	0.3	14.79	29.1	0.07	<1	1.1	17.5	<10	<2
SCP096019	0.94	16	0.5	<0.05	0.4	6.53	15.8	0.06	<1	0.5	18.4	<10	<2
SCP096020	0.53	13.9	0.4	<0.05	0.6	4.63	13.3	0.04	<1	0.4	15.5	<10	<2
SCP096021	0.61	12.7	0.5	<0.05	0.4	8.55	19.9	0.06	<1	0.4	11.9	<10	<2
SCP096022	0.56	15.2	0.4	<0.05	0.3	7.82	26.4	0.05	<1	0.7	13.7	<10	<2
SCP096024	0.66	14	0.5	<0.05	1.1	7.45	12.5	0.06	<1	0.5	9.5	<10	<2
SCP096025	0.38	9.6	0.4	<0.05	0.5	3.95	10.4	0.04	<1	0.3	10.3	<10	<2
SCP096026	0.7	18.8	0.5	<0.05	0.3	8.87	22.6	0.07	1	0.6	15.8	<10	<2
SCP096027	0.57	10.7	0.4	<0.05	0.8	5.9	15.3	0.05	<1	0.4	12.4	<10	<2
SCP096028	0.72	16	0.5	<0.05	0.6	5.99	17	0.06	<1	0.6	13.6	<10	<2
SCP096029	0.66	12.2	0.4	<0.05	1	3.75	12.2	0.06	<1	0.4	9.9	<10	<2

Sample Number	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Pd ppb	Pt ppb
SCP096030	0.38	8.9	0.4	<0.05	0.4	2.18	10.5	<0.02	<1	0.2	5.5	<10	<2
Scp096051	0.34	15.4	0.4	<0.05	0.2	6.29	17.9	0.07	1	0.5	12.9	<10	<2
SCP096052	0.38	17.1	0.5	<0.05	0.2	10.17	22.6	0.06	<1	0.3	13.7	<10	<2
Scp096053	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096054	0.89	15.4	0.5	<0.05	0.2	10.35	24.7	0.06	1	0.7	19.7	<10	<2
SCP096055	1.49	6	0.3	<0.05	4.4	16.49	17.9	0.07	<1	1.5	14.7	<10	<2
SCP096056	1.26	9.9	0.5	<0.05	0.4	6.81	16.8	0.06	3	0.7	16	<10	<2
Scp096057	1.33	8.3	0.4	<0.05	7.3	4.23	10.8	0.06	<1	0.5	22.4	<10	<2
Scp096058	1.2	14.4	0.5	<0.05	4.3	3.91	12.9	0.08	<1	0.5	23.5	<10	<2
Scp096059	1.65	13.5	0.5	<0.05	5.8	5.95	17.7	0.08	<1	0.6	21	<10	<2
SCP096060	1.4	15.3	0.9	<0.05	3	2.98	15.6	0.04	<1	0.3	10.8	<10	<2
Scp096061	1.17	15.4	0.6	<0.05	1.9	2.42	12.1	0.06	<1	0.4	16.2	<10	<2
SCP096062	0.67	17	0.6	<0.05	0.3	4.31	15.7	0.05	<1	0.3	10.6	<10	<2
SCP096063	1.91	16.9	0.9	<0.05	2.3	1.89	12.1	0.08	<1	0.4	16.7	<10	<2
SCP096064	0.69	17.4	0.6	<0.05	1.9	1.67	13	0.04	<1	0.2	3.7	<10	<2
SCP096101	0.69	18	0.5	<0.05	0.7	2.59	11	0.05	<1	0.2	15.7	<10	<2
SCP096102	0.99	21.9	0.4	<0.05	1	2.55	10.9	0.04	<1	0.3	14.2	<10	<2
SCP096103	1.03	13.4	0.5	<0.05	2	2.33	10.4	0.05	<1	0.4	15	<10	<2
SCP096104	1.43	13.5	0.6	<0.05	1.5	2.52	11.2	0.05	<1	0.4	13.4	<10	<2
SCP096105	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096106	0.74	16.4	0.5	<0.05	0.3	6.74	17.1	0.05	1	0.4	13.4	<10	<2
SCP096107	0.51	17.7	0.5	<0.05	0.3	3.17	12	0.06	<1	0.3	9	<10	<2
SCP096108	0.38	13.8	0.5	<0.05	0.2	2.34	10.5	0.04	<1	0.2	5.5	<10	<2
SCP096109	0.46	13.5	0.5	<0.05	0.5	3.31	11.6	0.06	<1	0.2	8.2	<10	<2
SCP096110	0.42	16.1	0.5	<0.05	0.4	3.86	12	0.05	<1	0.4	11.9	<10	<2
SCP096111	0.98	15.4	0.6	<0.05	0.4	3.03	12.1	0.05	<1	0.3	14.3	<10	<2
SCP096112	0.38	19.1	0.5	<0.05	0.3	3.57	14.3	0.04	<1	0.3	9.7	<10	<2
SCP096113	0.66	19.9	0.5	<0.05	0.2	6.21	17.5	0.06	<1	0.6	15.1	<10	<2
SCP096115	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096116	0.49	11.7	0.5	<0.05	1.2	2.15	11.4	0.03	<1	0.1	4.5	<10	<2

Sample Number	Nb ppm	Rb ppm	Sn ppm	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Pd ppb	Pt ppb
SCP096117	0.76	12.7	0.5	<0.05	3.1	3.79	16.6	0.07	<1	0.5	14.7	<10	<2
SCP096118	0.76	14.2	0.5	<0.05	1.1	3.07	13.1	0.06	<1	0.4	14.9	<10	<2
SCP096119	0.73	15.3	0.6	<0.05	2.5	3.25	11.8	0.07	<1	0.4	14.1	<10	<2
SCP096121	0.48	11.8	0.5	<0.05	0.5	3.6	14.4	0.04	<1	0.2	7.6	<10	<2
SCP096122	0.69	19.3	0.6	<0.05	0.3	10.02	20.9	0.06	2	0.5	8.4	<10	<2
SCP096123	1.31	4.4	0.7	<0.05	4.7	1.24	3.7	0.03	<1	0.2	0.6	<10	<2
SCP096124	2.41	8.1	1	<0.05	2.2	2.96	11	0.06	<1	<0.1	1.6	<10	<2
SCP096125	0.45	12.5	0.5	<0.05	0.4	3.45	11.8	0.05	<1	0.4	3.7	<10	<2
SCP096127	0.45	10.7	0.5	<0.05	0.8	2.77	13.3	0.04	<1	0.1	5.6	<10	<2
SCP096128	0.39	9.5	0.4	<0.05	1.1	1.53	8.4	0.05	<1	0.2	8.6	<10	<2
SCP096129	0.63	9.6	0.5	<0.05	0.9	2.62	10.7	0.03	<1	0.2	8.8	<10	<2
SCP096130	0.69	11.1	0.5	<0.05	2	2.71	11	0.04	<1	0.4	11.6	<10	<2
SCP096131	0.75	12.2	0.5	<0.05	4.5	3.41	15.3	0.08	<1	0.3	17.4	<10	<2
SCP096132	1.39	16.1	0.7	<0.05	3.3	5.38	16.1	0.08	<1	0.4	19.2	<10	<2
SCP096134	0.54	14.9	0.5	<0.05	1.2	3.29	11.2	0.07	<1	0.5	14.6	<10	<2
SCP096135	0.85	15.5	0.4	<0.05	1.7	3.68	12.7	0.05	<1	0.4	12.3	<10	<2
SCP096136	2.12	13	0.6	<0.05	2.9	2.23	9	0.05	<1	0.4	13.2	<10	<2
SP096137	0.4	6.5	0.3	<0.05	0.4	6.39	17.2	0.03	<1	0.4	7.9	<10	<2

Appendix 5: 2011 Poplar Rock Samples

Sample Number	Type	Easting	Northing	Elevation	Sample Description	Formation	Lithology	Modifier	Color	Alteration
RA095404	Grab	631264	5993009				diorite	bio por		oxidized & K
RA932921	CG	628404	5977597		sinkhole		int volc			oxidized & phyllic
RA932922	Grab	628407	5977549		sinkhole		int volc			oxidized & phyllic
RA932923	Grab	628407	5977549		sinkhole		volc			oxidized & phyllic & K
RA932924	Grab	628400	5977388		small stream		fg int intrusive			phyllic
RA932929	Grab	627000	5991250		TILL		?			oxidized
RCP095501	Grab	628006	5977745	1091	soil		felsic volc			oxidized
RCP095502	Grab	628000	5977689	1100	soil		int volc			oxidized
RCP095503	Grab	627999	5977350	1158	soil		int volc			oxidized
RCP095504	Grab	627996	5977139	1184	soil		int volc			oxidized
RCP095505	Grab	628004	5977100	1199	soil		?	ms		argillic
RCP095506	Grab	628014	5977047	1203	soil		?			oxidized & silica
RCP095507	CG	628007	5977000		soil		volc			oxidized
RCP095508	Grab	628334	5976833		oc		int-mafic volc	aph		Propylitic
RCP095509	Grab	628350	5976827		oc		int intrusive	aph		oxidized
RCP095510	Grab	628254	5976620		float?		int intrusive	por		oxidized & propylitic

Sample Number	Type	Easting	Northing	Elevation	Sample Description	Formation	Lithology	Modifier	Color	Alteration
RCP095511	Grab	628035	5976257		oc		int intrusive	por		oxidized & propylitic
RCP095512	Grab	628385	5976551		oc					oxidized & propylitic & phyllic
RCP932927	CG	628002	5976282		boulder		int intrusive	por		phyllic
RCP932928	Grab	628387	5977039		oc		int volc	ms		phyllic
RRP095401	Grab	641632	5993725		sc		volc	ms		oxidized & carbonate
RRP095402	Grab	641500	5992495	1043			diorite			
RRP932904	Grab	642892	5988664	916	SC		Volcaniclastic		med p to gry, wthd dull rd brn	propylitic
RRP932905	Grab	642897	5988597		SC		Volcaniclastic			silica
RRP932906	Grab	642928	5988298		Float		felsic vlc	vuggy text		
RRP932907	Grab	644597	5989338	1103	OC		IMD plc	porph		K & silica
RRP932908	Grab	644461	5989491	1133	OC		IMD plc	porph		K & silica & propylitic

Sample Number	Type	Easting	Northing	Elevation	Sample Description	Formation	Lithology	Modifier	Color	Alteration
RRP932909	Grab	644247	5989497	1020	SC		pyroclastic volcanic			propylitic
RRP932910	Grab	642340	5989528	996	OC		felsic plc	porph		
RRP932911	Grab	641000	5989494	1060	TILL		andesite			oxidized
RRP932912	Grab	640759	5989499	1049	TILL		int-mafic volc			propylitic
RRP932913	Grab	643367	5993248	1220	OC		int-mafic volc	porph		oxidized
RRP932914	Grab	643706	5992861	1023			granite/monzonite			
RRP932915	Grab	642964	5992656	998			granite/monzonite			
RRP932916	Grab	641187	5987789	1007	SC?		int volc			
RRP932917	Grab	641187	5987789	1007	SC?		int-mafic volc	porph		oxidized
RRP932918	Grab	642866	5988782	924	SC		vc			propylitic
RCP932926	Grab	628400	5977388		small stream		?			oxidized
RCP095405	Grab	628204	5975646		sc		int intrusive	por		Propylitic
RCP932930	Grab	627294	5976906		sc		int intrusive	aph		oxidized & argillic
RA932920	Grab	626997	5994502	1008	TILL		int volc			?
RRP932901	Composite Grab	641410	5990674		SC		Vlcs,volcaniclastic		wthd red brn	silica
RRP932902	Grab	641412	5990717	982	OC		mafic f.g, Vlc, Plc, hypabyssal andesitic comp.		frsh med grn	propylitic
RRP932903	Grab	641564	5990848	997	OC		mafic f.g, Vlc, Plc		wthd grn gry	silica

Sample Number	Date	Sampler	Sample	Type	wt kg	Au g/t G6	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm
RA095404	02/07/2011	CK	RA095404	Rock	1.19	0.006	0.5	23.8	5.8	61	<0.1
RA932921	05/07/2011	CK	RA932921	Rock	0.8	0.012	0.1	18.5	5.2	139	0.1
RA932922	05/07/2011	CK	RA932922	Rock	0.48	0.013	0.1	6.7	4.1	65	0.1
RA932923	05/07/2011	CK	RA932923	Rock	1.38	0.007	0.2	15.4	5.2	18	0.1
RA932924	05/07/2011	CK	RA932924	Rock	0.81	0.007	0.2	105.6	4	51	0.1
RA932929	23/06/2011	IM/AG/AC	RA932929	Rock	0.24	<0.005	0.9	73.9	7.7	34	0.2
RCP095501	05/07/2011	AG/AC	RCP095501	Rock	1.68	0.014	0.6	8.9	3.8	93	0.1
RCP095502	05/07/2011	AG/AC	RCP095502	Rock	1.18	<0.005	0.6	17.3	5.1	48	<0.1
RCP095503	05/07/2011	AG/AC	RCP095503	Rock	0.53	0.011	0.7	30.3	7.9	62	0.2
RCP095504	05/07/2011	AG/AC	RCP095504	Rock	0.18	<0.005	1	45.2	4.2	67	<0.1
RCP095505	05/07/2011	AG/AC	RCP095505	Rock	0.76	0.006	0.6	10.7	3.1	73	0.1
RCP095506	05/07/2011	AG/AC	RCP095506	Rock	0.34	0.018	81.5	24.6	14.5	18	0.2
RCP095507	05/07/2011	AG/AC	RCP095507	Rock	0.41	<0.005	0.3	21.4	5.6	93	<0.1
RCP095508	06/07/2011	CK	RCP095508	Rock	0.56	<0.005	0.5	14.4	5.4	65	<0.1
RCP095509	06/07/2011	CK	RCP095509	Rock	0.63	<0.005	0.2	88.6	2.3	66	<0.1
RCP095510	06/07/2011	CK	RCP095510	Rock	0.88	0.008	0.7	11.9	3.5	42	0.1
RCP095511	06/07/2011	CK	RCP095511	Rock	0.9	<0.005	0.8	25	3.8	75	<0.1
RCP095512	06/07/2011	CK	RCP095512	Rock	1.33	0.008	3.5	27	5	66	1.3
RCP932927	06/07/2011	CK	RCP932927	Rock	0.83	<0.005	<0.1	6	9.6	97	0.1
RCP932928	07/07/2011	CK	RCP932928	Rock	1.24	<0.005	0.4	27.3	3.4	57	0.1
RRP095401	23/06/2011	BB/GW/AG	RRP095401	Rock	0.49	<0.005	0.3	1.7	4.7	62	<0.1
RRP095402	26/06/2011	IM/AG/AC	RRP095402	Rock	0.72	<0.005	0.9	72.2	4.4	76	<0.1
RRP932904	14/06/2011	CK	RRP932904	Rock	0.22	<0.005	0.6	12.2	7.2	81	<0.1
RRP932905	14/06/2011	CK	RRP932905	Rock	0.3	<0.005	0.7	10.9	7.7	97	<0.1
RRP932906	14/06/2011	CK	RRP932906	Rock	0.68	<0.005	0.9	27.6	6.3	38	<0.1
RRP932907	19/06/2011	CK	RRP932907	Rock	0.63	0.008	1.2	11.3	5.4	63	<0.1
RRP932908	19/06/2011	CK	RRP932908	Rock	0.69	<0.005	1	10.8	5	50	<0.1

Sample Number	Date	Sampler	Sample	Type	wt kg	Au g/t G6	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm
RRP932909	19/06/2011	CK	RRP932909	Rock	0.64	<0.005	0.1	12.1	9.3	83	<0.1
RRP932910	20/06/2011	CK	RRP932910	Rock	1.12	<0.005	0.6	14.8	7	72	<0.1
RRP932911	21/06/2011	CK	RRP932911	Rock	0.99	<0.005	0.4	151	5.6	464	0.5
RRP932912	21/06/2011	CK	RRP932912	Rock	0.67	<0.005	0.4	45.6	7.6	73	0.1
RRP932913	26/06/2011	CK	RRP932913	Rock	0.55	<0.005	1.2	12.3	12.5	75	<0.1
RRP932914	27/06/2011	CK	RRP932914	Rock	0.74	<0.005	0.4	10.9	7.4	25	<0.1
RRP932915	27/06/2011	CK	RRP932915	Rock	0.62	<0.005	1.5	8.6	18	69	0.1
RRP932916	28/06/2011	CK	RRP932916	Rock	1.81	<0.005	0.5	45.7	3.5	63	<0.1
RRP932917	28/06/2011	CK	RRP932917	Rock	1.26	<0.005	1.4	85.4	14.7	105	<0.1
RRP932918	28/06/2011	CK	RRP932918	Rock	0.95	<0.005	0.4	22.5	7.5	43	<0.1
RCP932926	05/07/2011	CK	RCP932926	Rock	0.42	0.018	21.3	27.1	3.7	18	0.6
RCP095405	05/07/2011	CK	RCP095405	Rock	0.75	<0.005	0.2	30.9	2.2	45	<0.1
RCP932930	10/07/2011	CK	RCP932930	Rock	1.01	0.008	2.1	71.7	5.5	50	0.2
RA932920	29/06/2011	CK	RA932920	Rock	0.65	0.006	0.9	5.8	16.5	49	<0.1
RRP932901	12/06/2011	CK	RRP932901	Rock	0.85	<0.005	1.2	31.5	7.5	77	<0.1
RRP932902	12/06/2011	CK	RRP932902	Rock	0.6	<0.005	1.1	29	6.3	73	<0.1
RRP932903	12/06/2011	CK	RRP932903	Rock	0.28	<0.005	1.1	26.9	5.7	60	<0.1

Sample Number	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm
RA095404	9.7	9.9	793	2.84	11	2.2	<0.1	5.8	572	<0.1	0.1	<0.1
RA932921	41.4	60.5	879	8.39	7	3.3	<0.1	1.4	142	0.2	1.3	4.7
RA932922	175.7	37.8	990	7.53	8	0.6	<0.1	0.7	425	0.2	1.3	2.7
RA932923	52.7	9	58	4.59	12	1	<0.1	2.3	66	<0.1	0.9	0.9
RA932924	54.6	12.8	942	4.78	8	0.5	<0.1	1.7	209	0.2	1.2	1.7
RA932929	2.9	1.9	391	1.95	2	3	<0.1	8.2	454	0.1	1.3	1
RCP095501	13.2	15.6	1460	5.78	28	0.6	<0.1	1.7	194	<0.1	1.3	3.9
RCP095502	0.7	4.6	880	3.45	5	0.6	<0.1	1.2	202	0.1	1.7	0.3
RCP095503	111.1	23.5	1190	4.88	23	0.2	<0.1	0.4	325	0.1	2.6	1.2
RCP095504	36.7	7	259	3.22	9	1.2	<0.1	3.6	201	<0.1	0.5	0.2
RCP095505	7.1	3.4	899	3.79	10	2.8	<0.1	5.1	120	<0.1	1.3	0.7
RCP095506	1.7	4.9	243	2.52	4	2.9	<0.1	6.9	192	0.1	1.2	0.6
RCP095507	4.2	4.9	1429	2.22	4	0.9	<0.1	2.5	234	0.3	0.4	<0.1
RCP095508	10.3	15.7	1403	7.31	13	0.6	<0.1	1.6	222	0.3	2	0.2
RCP095509	7.6	17.8	1091	7.88	4	0.8	<0.1	1.6	180	0.1	1.2	0.2
RCP095510	91.6	15.5	938	4.35	12	1	<0.1	2.3	320	<0.1	1.7	1.7
RCP095511	11.3	2.1	1343	4.82	8	2.3	<0.1	5.2	383	<0.1	4.7	0.2
RCP095512	47.8	20.7	715	7.57	10	1.6	<0.1	2.5	171	<0.1	0.9	6.1
RCP932927	98.8	23.2	1205	5.82	16	1	<0.1	3.3	416	0.2	2.1	0.9
RCP932928	3.8	30.1	1061	5.7	3	0.8	<0.1	1.4	300	0.1	1.1	0.7
RRP095401	2.5	2.2	1214	1.66	<1	3	<0.1	7.1	210	0.3	0.5	<0.1
RRP095402	27.3	24	1409	6.02	7	0.5	<0.1	1.2	318	0.3	1.8	<0.1
RRP932904	3.2	12.5	1137	5.64	5	2.4	<0.1	6.5	461	<0.1	0.2	<0.1
RRP932905	4.7	15	875	6.36	4	2.4	<0.1	6.2	336	<0.1	0.3	<0.1
RRP932906	14	9.2	108	2.62	2	2.1	<0.1	5.1	687	<0.1	<0.1	<0.1
RRP932907	3	10	927	3.85	1	3	<0.1	5.9	433	<0.1	0.1	<0.1
RRP932908	2.8	8.9	995	3.72	3	3.1	<0.1	6.4	449	<0.1	0.1	<0.1
RRP932909	3.5	7.9	1194	3.17	7	0.6	<0.1	1.7	251	0.2	1	<0.1
RRP932910	2.9	11.3	1062	4.05	7	2.3	<0.1	5.4	483	<0.1	0.3	0.1
RRP932911	13.3	19.2	1267	5.58	2	0.5	<0.1	0.8	209	2.8	2.5	1.2

Sample Number	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm
RRP932912	120.7	29.6	1089	5.22	4	0.5	<0.1	1.4	924	0.2	0.8	<0.1
RRP932913	21	9.2	628	2.79	2	3.4	<0.1	8	655	0.3	0.2	<0.1
RRP932914	2.7	2.9	339	1.63	2	2.1	<0.1	11.1	282	<0.1	0.4	0.4
RRP932915	9.7	7.2	617	2.48	2	10.5	<0.1	29.4	433	0.1	0.2	0.3
RRP932916	82.2	24.1	604	5.39	4	0.4	<0.1	1.6	525	0.1	0.2	<0.1
RRP932917	64.1	24.8	934	5.64	3	2.6	<0.1	7.1	998	0.2	0.2	<0.1
RRP932918	2.1	5.6	661	1.91	10	3.2	<0.1	6.3	461	0.1	0.3	0.2
RCP932926	0.9	1.7	142	2.89	2	1.1	<0.1	3	170	0.2	0.5	1.3
RCP095405	25.3	14	895	4.34	3	0.3	<0.1	1.6	126	0.1	0.4	0.4
RCP932930	2.4	1.6	117	29.7	4	0.5	<0.1	1.1	41	<0.1	1.5	0.9
RA932920	2.8	1.1	216	1.04	4	4.4	<0.1	10.3	115	<0.1	1.6	0.3
RRP932901	18.8	10	525	3.65	2	1.8	<0.1	4.6	657	0.1	0.1	0.1
RRP932902	22	12	529	4.39	3	1.9	<0.1	4.7	605	<0.1	0.1	<0.1
RRP932903	23.8	15	491	4.35	3	1.9	<0.1	4.5	674	0.1	0.1	<0.1

Sample Number	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	Al %	Na %	K %	W ppm	Zr ppm	Ce ppm
RA095404	79	2.24	0.108	18.6	18	1.08	1254	0.31	7.57	3.481	2.2	0.3	68.1	36
RA932921	198	1.7	0.089	5.6	71	3.16	46	0.497	7.23	1.969	1.51	53.2	19.9	13
RA932922	179	3.19	0.136	12.3	175	5.26	234	0.618	8.47	1.223	1.68	6.2	38.2	31
RA932923	162	0.14	0.02	7.3	97	1.75	256	0.08	11.58	0.562	3.61	11.1	23.5	17
RA932924	156	2.99	0.064	6.4	68	2.18	243	0.404	7.86	3.914	1.11	1.7	16.5	14
RA932929	46	1.03	0.081	49.3	5	0.43	2744	0.352	7.7	3.261	2.69	1.3	90.6	97
RCP095501	264	4.15	0.09	7.1	23	3.65	194	0.563	7.79	2.959	0.83	1.2	29.5	16
RCP095502	21	1.98	0.08	10	2	0.64	275	0.373	6.59	3.973	0.71	1.4	30	23
RCP095503	169	3.76	0.12	9.6	182	3.32	310	0.606	6	1.462	0.99	0.1	39.3	23
RCP095504	89	0.35	0.034	7.8	63	0.93	574	0.238	6.12	1.926	1.08	0.7	41.7	15
RCP095505	105	0.07	0.09	21	25	2.37	2042	0.07	7.69	1.106	2.39	0.2	73.3	44
RCP095506	60	0.32	0.047	19.3	12	0.4	1191	0.186	7.44	2.38	2.81	2.6	50.9	34
RCP095507	30	1.33	0.058	17.6	10	0.52	678	0.279	7.36	3.084	1.78	0.3	54.8	37
RCP095508	301	5.21	0.091	9.3	15	2.05	70	0.664	7.6	2.538	0.48	0.6	19.3	21
RCP095509	390	3.46	0.077	10	17	3.21	285	0.708	7.95	3.404	1.54	2.2	17.6	20
RCP095510	147	2.16	0.122	19.5	130	3.98	137	0.307	8.12	4.862	0.66	3.8	102.7	41
RCP095511	111	2.68	0.104	21.6	25	1.2	1521	0.36	7.89	2.835	2.53	0.5	40.6	41
RCP095512	136	0.36	0.116	24	85	2.19	139	0.332	7.14	3.152	2.23	6.9	27.9	48
RCP932927	125	4.05	0.077	33.3	105	2.15	792	0.607	8.64	2.929	2.32	1.1	15	76
RCP932928	300	6.56	0.095	7.9	12	3.21	59	0.719	8.09	3.268	0.28	2.1	21.1	18
RRP095401	8	1.09	0.023	18.7	<1	0.27	697	0.102	7.26	3.055	1.81	0.5	87.6	36
RRP095402	267	4.59	0.194	17.9	35	2.35	203	0.988	8.15	4.851	0.36	0.2	87.1	42
RRP932904	132	2.24	0.127	16.2	4	0.68	1643	0.39	8.19	3.167	2.53	0.9	119.8	33
RRP932905	163	1.35	0.133	14.8	4	0.6	1368	0.373	8.19	3.085	2.37	1.1	112.4	30
RRP932906	179	2.89	0.204	27.2	45	0.22	1180	0.666	8.73	3.267	2.68	0.5	144.4	57
RRP932907	88	2.95	0.109	18	5	0.7	1035	0.3	7.47	3.273	1.99	0.3	34	36
RRP932908	87	3.44	0.11	19.8	5	0.54	995	0.31	7.34	3.047	2.12	0.4	33.9	39
RRP932909	79	2.51	0.053	10.7	5	0.73	217	0.297	6.9	3.687	0.64	0.5	38.4	24
RRP932910	102	2.64	0.122	16.7	4	1.1	1125	0.348	7.85	3.598	2.17	0.7	55.7	34
RRP932911	114	2.33	0.052	5.8	10	1.21	787	0.457	6.44	1.11	2.27	2.2	5.7	15

Sample Number	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	Al %	Na %	K %	W ppm	Zr ppm	Ce ppm
RRP932912	186	3.97	0.108	15.7	170	3.74	1147	0.494	8.25	3.238	0.74	<0.1	53.4	34
RRP932913	63	2.03	0.108	44.2	23	0.85	1874	0.328	7.44	3.439	2.86	1.1	209.1	90
RRP932914	23	1.03	0.048	29.2	5	0.4	1377	0.171	7.67	3.238	3.27	0.9	9.9	54
RRP932915	56	1.73	0.093	49.6	10	0.69	1361	0.35	8.17	3.162	4.07	7.6	51.2	102
RRP932916	164	3.63	0.137	18.9	90	3.67	219	0.592	8.64	2.281	0.26	0.3	38.8	40
RRP932917	195	4.32	0.427	57.9	57	2.16	1514	0.892	8.41	3.358	1.55	0.6	236.5	123
RRP932918	91	1.96	0.113	15.2	4	0.19	1582	0.354	8.19	3.002	2.81	0.8	97.3	33
RCP932926	85	0.42	0.022	6.7	4	0.85	949	0.129	7.13	1.755	2.77	6	19	12
RCP095405	176	4.23	0.064	9	66	1.99	1288	0.436	8.04	1.678	1.67	0.5	9.7	21
RCP932930	66	0.13	0.017	4.7	20	0.21	333	0.149	3.4	0.423	1.34	2.5	21	9
RA932920	8	0.21	0.014	38	4	0.11	1884	0.103	6.76	2.353	3.76	1.8	83	78
RRP932901	111	2.53	0.16	19	36	0.33	1226	0.425	7.98	3.286	2.43	0.5	144.8	40
RRP932902	113	2.48	0.132	20.6	36	0.36	1160	0.406	7.85	3.346	2.86	0.4	132	41
RRP932903	121	3.16	0.143	20.4	40	0.91	1045	0.419	8.1	3.459	1.97	0.4	129.7	42

Sample Number	Sn ppm	Y ppm	Nb ppm	Ta ppm	Be ppm	Sc ppm	Li ppm	S %	Rb ppm	Hf ppm
RA095404	0.7	14	8.2	0.6	<1	8	15.8	<0.1	74.2	2.3
RA932921	7.8	24.4	1.8	0.1	1	25	22	5.4	156.6	0.9
RA932922	1.9	18.1	4.9	0.3	<1	22	14.1	4.9	115.6	1.3
RA932923	1.9	5.9	0.5	<0.1	<1	22	12.7	2.3	141.9	0.5
RA932924	1.4	20.1	2.2	0.1	<1	24	8.6	1.4	89.7	0.5
RA932929	1.6	17.3	14.1	0.7	3	4	11.1	<0.1	136.6	2.3
RCP095501	1.1	22.5	1.8	0.1	<1	32	14.4	1.6	56.6	1.5
RCP095502	1.2	36	2	<0.1	<1	17	12.9	0.2	31.3	1.3
RCP095503	1.4	19.1	4.9	0.3	<1	19	6.9	1.4	54.3	1.2
RCP095504	1.1	6.8	5.1	0.3	1	9	34.3	<0.1	45.5	1.5
RCP095505	0.6	5.1	0.7	<0.1	<1	9	8.2	0.5	81.4	2.2
RCP095506	1.7	8.1	4.5	0.3	1	7	7.1	0.2	180.5	1.7
RCP095507	1	20.7	4.3	0.2	1	9	23.5	<0.1	52	1.7
RCP095508	0.8	24.3	2	0.1	1	34	3.9	<0.1	41.1	0.8
RCP095509	1.8	22	1.8	0.1	<1	34	15.4	0.2	143.8	0.7
RCP095510	1.2	20.6	3.5	0.2	<1	23	8	1.9	39.3	2.7
RCP095511	0.9	16.3	7.2	0.5	1	10	10	<0.1	176.5	1.2
RCP095512	3.5	15.5	3	0.2	<1	17	14.1	2.5	211.4	0.8
RCP932927	2.8	25	5.3	0.3	<1	21	16	0.4	243	0.6
RCP932928	1.6	30	1.9	<0.1	<1	39	2.5	2.7	22.3	1
RRP095401	0.4	12.6	7.9	0.6	1	<1	7.4	<0.1	55.6	2.7
RRP095402	1	27.7	9.9	0.6	1	25	26.9	<0.1	8.7	2.4
RRP932904	0.9	19.3	7	0.5	1	10	14.8	<0.1	82.6	3.6
RRP932905	0.8	15	7	0.5	1	13	13	<0.1	87.5	3.1
RRP932906	0.9	16.7	9.5	0.5	1	13	3.4	<0.1	56.1	3.8
RRP932907	0.9	15.4	6.7	0.5	<1	7	13.1	<0.1	70.3	1.3
RRP932908	0.9	17.8	7	0.5	<1	7	10.4	<0.1	69.7	1.4
RRP932909	0.8	22.6	2.6	0.1	<1	13	14.5	<0.1	22.5	1.5
RRP932910	0.8	16.3	7.2	0.5	<1	9	16	<0.1	68.8	1.8
RRP932911	1.2	23.3	1.5	<0.1	<1	26	30.8	0.7	112.6	0.2

Sample Number	Sn ppm	Y ppm	Nb ppm	Ta ppm	Be ppm	Sc ppm	Li ppm	S %	Rb ppm	Hf ppm
RRP932912	0.7	17.2	4.1	0.2	<1	18	21.6	<0.1	9.2	2
RRP932913	1	19.7	11.1	0.7	2	7	9.2	<0.1	71.6	5.3
RRP932914	0.9	12.6	8.3	0.6	1	4	13.6	<0.1	112.5	0.6
RRP932915	2.2	27.2	23.5	2.3	4	7	30.8	<0.1	189.2	2.1
RRP932916	1.1	18.4	6.6	0.4	<1	18	73.8	0.3	5.6	1.3
RRP932917	1.8	27.1	15.1	0.7	2	14	8.6	<0.1	38.1	5.5
RRP932918	0.7	15.6	6.9	0.5	<1	7	13.4	<0.1	91.6	2.9
RCP932926	2.8	1.8	2.1	0.1	<1	8	12.9	0.1	153	0.8
RCP095405	0.8	22.2	2.3	0.1	<1	27	11	0.4	89.2	0.4
RCP932930	1.1	2.5	1.9	0.1	1	6	5.8	0.9	51.4	0.7
RA932920	1.4	17.9	14.7	0.8	2	3	11.5	<0.1	106.6	3
RRP932901	3	11.6	8.3	0.5	2	9	11.5	<0.1	73.4	3.5
RRP932902	0.8	12.3	7.4	0.5	2	10	5.8	<0.1	105.4	3.4
RRP932903	0.8	13.4	7.6	0.5	<1	11	5.9	<0.1	59.6	3.5

Appendix 6: 2011 Poplar Ah Samples - Willow & Poplar Deposit

Sample Number	Easting	Northing	Elevation	Horizon	Depth cm	Slope Angle	Color	% Course Fragments	Vegetation	Organic %	Date
AHP096169	631619	5986214		AH	5	F	DrkBrn	>5	CF	40	14-Jul-11
AHP096170	631621	5986251		AH	5	F	DrkBrn	>5	CF	50	14-Jul-11
AHP096171	631619	5986300		AH	6	F	DrkBrn	>5	CF	40	14-Jul-11
AHP096173	631620	5986350		AH	5	F	DrkBrn	>5	CF	50	14-Jul-11
AHP096174	631622	5986398		AH	5	M	DrkBrn	>5	CF	50	14-Jul-11
AHP096175	631620	5986450		AH	5	F	DrkBrn	>5	CF	50	14-Jul-11
AHP096176	631620	5986502		AH	5	F	DrkBrn	>5	CF	50	14-Jul-11
AHP096177	631620	5986557		AH	5	F	DrkBrn	10	CF	40	14-Jul-11
AHP096179	631619	5986598		AH	5	F	DrkBrn	>5	CF	40	14-Jul-11
AHP096180	631621	5986626		AH	5	F	DrkBrn	>5	CF	40	14-Jul-11
AHP096181	631617	5986650		AH	5	F	DrkBrn	>5	CF	40	14-Jul-11
AHP096182	631619	5986670		AH	5	F	DrkBrn	>5	CF	40	14-Jul-11
AHP096184	631622	5986701		AH	5	F	DrkBrn	>5	CF	30	14-Jul-11
AHP096185	631620	5986726		AH	5	F	DrkBrn	>5	CF	40	14-Jul-11
AHP096187	631620	5986775		AH	5	F	DrkBrn	>5	CF	40	14-Jul-11
AHP932772	631624	5987599		AH	7	F	blk	0	MF	30	14-Jul-11
AHP932774	631621	5987550		AH	6	F	Blk	0	CF	15	14-Jul-11
AHP932775	631621	5987490		AH	6	F	Blk	0	CF	40	14-Jul-11
AHP932776	631621	5987454		AH	4	F	Blk	0	CF	45	14-Jul-11
AHP932777	631620	5987402		AH	4	F	Blk	0	CF	45	14-Jul-11
AHP932779	631621	5987347		AH	10	F	Blk	0	MF	25	14-Jul-11
AHP932780	631621	5987300		AH	7	F	Blk	0	CF	55	14-Jul-11
AHP932781	631616	5987243		AH	4	F	Blk	0	MF	45	14-Jul-11
AHP932782	631619	5987195		AH	4	F	Blk	0	MF	40	14-Jul-11
AHP932783	631624	5987150		AH	8	F	Blk	0	CF	50	14-Jul-11
AHP932784	631620	5987120		AH	5	F	Blk	0	MF	45	14-Jul-11
AHP932786	631619	5987099		AH	4	F	Blk	0	MF	45	14-Jul-11
AHP932787	631621	5987074		AH	4	F	Blk	0	MF	40	14-Jul-11
AHP932788	631623	5987051		AH	5	F	Blk	0	CF	50	14-Jul-11
AHP932789	631622	5987025		AH	4	F	Blk	0	CF	60	14-Jul-11

Sample Number	Easting	Northing	Elevation	Horizon	Depth cm	Slope Angle	Color	% Course Fragments	Vegetation	Organic %	Date
AHP932790	631620	5986995		AH	4	F	DrkBrn	0	CF	55	14-Jul-11
AHP932792	631627	5986972		AH	4	F	Blk	0	CF	55	14-Jul-11
AHP932793	631617	5986946		AH	7	F	Blk	0	CF	55	14-Jul-11
AHP932794	631621	5986925		AH	4	F	DrkBrn	0	CF	65	14-Jul-11
AHP932795	631618	5986898		AH	5	F	DrkBrn	0	CF	50	14-Jul-11
AHP932796	631620	5986875		AH	3	F	DrkBrn	0	CF	70	14-Jul-11
AHP932798	631620	5986850		AH	4	F	DrkBrn	0	CF	75	14-Jul-11
AHP932799	631619	5986824		AH	4	F	Blk	0	CF	65	14-Jul-11
AHP932800	631618	5986799		AH	4	F	DrkBrn	0	CF	50	14-Jul-11
AHW096151	638655	5974502		AH	5	F	DrkBrn	>5	CF	40	13-Jul-11
AHW096152	638701	5974504		AH	4	F	Blk	>5	CF	50	13-Jul-11
AHW096153	638750	5974500		AW	4	F	Blk	>5	CF	50	13-Jul-11
AHW096154	638801	5974500		AW	4	F	Blk	>5	CF	60	13-Jul-11
AHW096155	638853	5974503		AW	5	F	DrkBrn	>5	CF	60	13-Jul-11
AHW096157	638911	5974501		AW	5	F	DrkBrn	>5	CF	50	13-Jul-11
AHW096158	638950	5974501		AW	5	F	DrkBrn	>5	CF	60	13-Jul-11
AHW096159	639002	5974500		AH	5	F	DrkBrn	>5	CF	50	13-Jul-11
AHW096160	639058	5974502		AH	5	F	DrkBrn	>5	CF	60	13-Jul-11
AHW096161	639103	5974498		AH	5	F	DrkBrn	>5	CF	50	13-Jul-11
AHW096162	639156	5974501		AH	5	F	DrkBrn	>5	CF	50	13-Jul-11
AHW096163	639203	5974504		AH	5	F	DrkBrn	>5	CF	50	13-Jul-11
AHW096164	639251	5974498		AH	6	F	DrkBrn	>5	CF	50	13-Jul-11
AHW096165	639300	5974502		AH	5	F	DrkBrn	>5	CF	50	13-Jul-11
AHW096166	639350	5974501		AH	4	F	DrkBrn	>5	CF	50	13-Jul-11
AHW096167	639401	5974500		AH	5	F	DrkBrn	>5	CF	50	13-Jul-11
AHW096251	637303	5974504		AH	10	G	DrkBrn	0	CF	85	13-Jul-11
AHW096252	637352	5974499		AH	8	G	DrkBrn	0	CF	80	13-Jul-11
AHW096253	637396	5974501		AH	7	G	DrkBrn	0	CF	80	13-Jul-11
AHW096254	637455	5974499		AH	4	G	DrkBrn	0	CF	80	13-Jul-11
AHW096255	637488	5974509		AH	9	G	DrkBrn	0	CF	75	13-Jul-11

Sample Number	Easting	Northing	Elevation	Horizon	Depth cm	Slope Angle	Color	% Course Fragments	Vegetation	Organic %	Date
AHW096256	637550	5974496		AH	3	G	DrkBrn	0	CF	90	13-Jul-11
AHW096257	637593	5974505		AH	6	G	DrkBrn	0	CF	85	13-Jul-11
AHW096258	637658	5974483		AH	9	G	DrkBrn	0	CF	90	13-Jul-11
AHW096259	637704	5974490		AH	9	G	DrkBrn	0	CF	90	13-Jul-11
AHW096260	637745	5974498		AH	13	G	DrkBrn	0	CF	75	13-Jul-11
AHW096261	637790	5974508		AH	12	G	DrkBrn	0	CF	85	13-Jul-11
AHW096262	637853	5974505		AH	12	G	DrkBrn	0	CF	70	13-Jul-11
AHW096263	637904	5974507		AH	9	G	DrkBrn	0	CF	80	13-Jul-11
AHW096264	637948	5974502		AH	11	G	DrkBrn	0	CF	75	13-Jul-11
AHW096265	638003	5974499		AH	11	G	DrkBrn	0	CF	80	13-Jul-11
AHW932751	640399	5974496	1139 m	A	5	F	blk	0	CF	65	13/7/11
AHW932752	640354	5974501	1137 m	A	4	F	drk brn	0	CF	60	13/7/11
AHW932753	640299	5974500	1130 m	A	4	F	blk	0	CF	55	13/7/11
AHW932754	640249	5974498	1131 m	A	4	G	drk brn	0	CF	65	13/7/11
AHW932755	640193	5974501	1119 m	A	4	F	blk	0	CF	65	13/7/11
AHW932757	640155	5974508	1119 m	A	4	F	dark dark brn	0	CF	65	13/7/11
AHW932758	640094	5974505	1108 m	A	4	F	drk drk brn	0	CF	60	13/7/11
AHW932759	640050	5974492	1102 m	A	4	F	blk	0	CF	65	13/7/11
AHW932760	640001	5974501	1093 m	A	4	F	blk	0	CF	65	13/7/11
AHW932761	639903	5974505	1084 m	A	4	F	blk	0	CF	50	13/7/11
AHW932762	639847	5974506	1078 m	A	4	F	drk drk brn	0	CF	45	13/7/11
AHW932763	639799	5974500	1070 m	A	4	F	drk drk brn	0	CF	70	13/7/11
AHW932764	639748	5974504	1065 m	A	6	F	blk	0	CF	55	13/7/11
AHW932765	639697	5974498	1068 m	A	4	M	blk	0	CF	60	13/7/11
AHW932766	639657	5974498	1066 m	A	4	G	blk	0	CF	60	13/7/11
AHW932767	639594	5974505	1069 m	A	2	M	dark dark brn	0	CF	65	13/7/11
AHW932769	639546	5974500	1052 m	A	4	F	drk drk brn	0	CF	60	13/7/11
AHW932770	639499	5974497	1045 m	A	4	F	blk	0	CF	70	13/7/11
AHW932771	639450	5974502	1034 m	A	4	F	blk	0	CF		13/7/11

Sample Number	Sampler	Comments	Type	1SLO Ag ppb	1SLO Al ppm	1SLO As ppb	1SLO Au ppb	1SLO Ba ppb	1SLO Be ppb	1SLO Bi ppb
AHP096169	IM/JW	close to lake	Soil	34	4394	2192	2	82724	495	113
AHP096170	IM/JW	getting into trees	Soil	18	1352	1188	<1	69513	107	86
AHP096171	IM/JW	primary forest	Soil	13	442	<100	<1	1458	156	<5
AHP096173	IM/JW	primary forest	Soil	13	993	998	<1	13709	74	42
AHP096174	IM/JW	thick vegetation	Soil	14	562	940	2	6354	96	27
AHP096175	IM/JW	thick vegetation	Soil	50	3841	1265	<1	40794	216	90
AHP096176	IM/JW	open vegetation	Soil	104	3855	486	1	15008	519	39
AHP096177	IM/JW	primary forest	Soil	24	2038	462	<1	76900	54	20
AHP096179	IM/JW	primary forest	Soil	33	126	<100	<1	1331	35	<5
AHP096180	IM/JW	open vegetation	Soil	14	288	<100	<1	14554	42	<5
AHP096181	IM/JW	open vegetation	Soil	26	1368	661	2	11105	71	8
AHP096182	IM/JW	boggy	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096184	IM/JW	Primary forest	Soil	116	2821	4590	1	14073	151	56
AHP096185	IM/JW	close to drill	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096187	IM/JW	Primary forest close to drill	Soil	57	1957	2707	<1	8364	50	28
AHP932772	BB/BA		Soil	151	3392	1343	1	60102	217	113
AHP932774	BB/BA		Soil	282	7414	1504	3	152605	359	111
AHP932775	BB/BA		Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932776	BB/BA		Soil	55	712	352	<1	75092	29	27
AHP932777	BB/BA		Soil	82	1488	1060	2	46988	84	56
AHP932779	BB/BA	Field area very hard and deep	Soil	60	1512	857	<1	33653	123	53
AHP932780	BB/BA		Soil	36	785	407	<1	11508	76	29
AHP932781	BB/BA		Soil	41	848	289	<1	10453	76	15
AHP932782	BB/BA	moved due to road	Soil	84	2390	597	2	30481	147	33
AHP932783	BB/BA		Soil	102	2875	816	1	52785	223	55
AHP932784	BB/BA	moved due to deadfall	Soil	6	63	342	<1	1527	25	10
AHP932786	BB/BA	open area	Soil	72	1739	711	<1	47984	105	31

Sample Number	Sampler	Comments	Type	1SLO Ag ppb	1SLO Al ppm	1SLO As ppb	1SLO Au ppb	1SLO Ba ppb	1SLO Be ppb	1SLO Bi ppb
AHP932787	BB/BA		Soil	42	1071	244	<1	15878	29	12
AHP932788	BB/BA		Soil	56	916	268	<1	11293	99	<5
AHP932789	BB/BA		Soil	289	5895	1936	1	73172	264	74
AHP932790	BB/BA		Soil	20	1011	3971	<1	2377	29	22
AHP932792	BB/BA	moved due to blowdown, next to bog	Soil	117	5279	1229	2	92832	272	72
AHP932793	BB/BA	near old road system	Soil	29	1552	168	<1	50388	<20	11
AHP932794	BB/BA	next to old road	Soil	78	2021	563	<1	45346	38	37
AHP932795	BB/BA	next to old road	Soil	27	1078	144	<1	30114	<20	8
AHP932796	BB/BA	next to old road	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932798	BB/BA	next to old road	Soil	20	852	873	<1	5043	47	9
AHP932799	BB/BA	next to old road	Soil	21	2125	3805	<1	42190	47	35
AHP932800	BB/BA	next to old road	Soil	4	356	2670	2	1170	<20	6
AHW096151	IM/JW	Wetland, near creek	Soil	33	3514	1165	2	25219	399	91
AHW096152	IM/JW	between creek and forest	Soil	44	1358	1456	<1	33330	185	35
AHW096153	IM/JW	Start of old forest	Soil	25	1001	134	<1	25346	27	8
AHW096154	IM/JW	Old forest	Soil	15	599	<100	<1	38896	<20	10
AHW096155	IM/JW	Old forest	Soil	10	941	<100	<1	17305	22	5
AHW096157	IM/JW	Old forest	Soil	63	6990	1727	1	93626	701	127
AHW096158	IM/JW	Old forest	Soil	11	1712	395	2	29349	21	22
AHW096159	IM/JW	Old forest	Soil	21	673	<100	<1	14288	38	6
AHW096160	IM/JW	Old forest	Soil	14	724	<100	2	8724	32	7
AHW096161	IM/JW	Old forest	Soil	15	2156	297	2	21645	87	11
AHW096162	IM/JW	Old logging clearing	Soil	18	4177	512	2	62905	135	41
AHW096163	IM/JW	Old clear cut	Soil	33	1069	215	<1	18146	143	11
AHW096164	IM/JW	Old clear cut	Soil	22	2832	477	<1	46060	138	30
AHW096165	IM/JW	Clear cut	Soil	17	753	163	<1	24339	22	<5
AHW096166	IM/JW	Clear cut	Soil	16	470	<100	<1	9412	42	5
AHW096167	IM/JW	Clear cut	Soil	5	67	298	1	1763	<20	9
AHW096251	CK-AC	Primary forest	Soil	60	6297	401	<1	30899	309	34

Sample Number	Sampler	Comments	Type	1SLO Ag ppb	1SLO Al ppm	1SLO As ppb	1SLO Au ppb	1SLO Ba ppb	1SLO Be ppb	1SLO Bi ppb
AHW096252	CK-AC	Primary forest	Soil	13	1253	218	<1	27973	65	17
AHW096253	CK-AC	Primary forest	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096254	CK-AC	primary forest shallow AH, sample collected from a few sites	Soil	16	1099	103	<1	28152	70	11
AHW096255	CK-AC	primary forest, shallow AH, sample 10m off	Soil	26	248	<100	<1	24800	<20	<5
AHW096256	CK-AC	Primary forest, thin AH	Soil	11	495	<100	<1	24966	<20	5
AHW096257	CK-AC	Primary forest, thin AH, sample collected from a few sites, evidence of burn in hole	Soil	31	7887	782	1	31726	343	53
AHW096258	CK-AC	primary forest	Soil	10	522	<100	<1	8646	<20	<5
AHW096259	CK-AC	primary forest 10m off	Soil	14	1184	303	<1	26416	36	9
AHW096260	CK-AC	primary forest	Soil	42	2791	660	<1	19375	137	44
AHW096261	CK-AC	primary forest	Soil	23	547	<100	<1	13566	26	7
AHW096262	CK-AC	primary forest	Soil	40	5472	688	<1	29339	435	37
AHW096263	CK-AC	primary forest	Soil	54	3611	396	<1	41828	256	22
AHW096264	CK-AC	primary forest, evidence of burn in hole	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096265	CK-AC	primary forest, deep AH	Soil	44	3952	731	<1	27054	522	21
AHW932751	BB/BA	±7.1m; very vegetated area, lots blowdown dead tree under A layer	Soil	20	1301	435	<1	31611	<20	27
AHW932752	BB/BA	±6.3m; lots vegetation/ blowdown, very small a horizon. Hard to get samp.	Soil	21	1131	146	<1	38215	53	9
AHW932753	BB/BA		Soil	13	2529	232	<1	41413	94	34
AHW932754	BB/BA		Soil	9	1291	240	<1	25516	27	14
AHW932755	BB/BA		Soil	19	1510	109	<1	36580	58	11
AHW932757	BB/BA		Soil	34	1867	404	<1	33994	48	12

Sample Number	Sampler	Comments	Type	1SLO Ag ppb	1SLO Al ppm	1SLO As ppb	1SLO Au ppb	1SLO Ba ppb	1SLO Be ppb	1SLO Bi ppb
AHW932758	BB/BA		Soil	16	1248	305	<1	32453	<20	16
AHW932759	BB/BA		Soil	19	897	103	<1	20480	33	9
AHW932760	BB/BA		Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932761	BB/BA		Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932762	BB/BA		Soil	26	522	<100	<1	20861	<20	<5
AHW932763	BB/BA		Soil	41	1300	722	<1	41144	45	49
AHW932764	BB/BA		Soil	8	370	170	<1	19162	<20	<5
AHW932765	BB/BA		Soil	10	3757	340	<1	42003	39	<5
AHW932766	BB/BA		Soil	21	5931	3491	<1	26051	341	96
AHW932767	BB/BA		Soil	21	2970	241	1	24627	63	24
AHW932769	BB/BA		Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932770	BB/BA		Soil	27	460	<100	<1	44820	<20	10
AHW932771	BB/BA		Soil	28	1843	378	<1	17788	36	20

Sample Number	1SLO Ca ppm	1SLO Cd ppb	1SLO Ce ppb	1SLO Co ppb	1SLO Cs ppb	1SLO Cu ppb	1SLO Dy ppb	1SLO Er ppb	1SLO Eu ppb	1SLO Fe ppm	1SLO Ga ppb	1SLO Gd ppb	1SLO Ge ppb
AHP096169	4854	1627	2702	1758	26	21300	414	180	109	4232	363	515	<50
AHP096170	5143	648	2392	1834	31	8074	167	62	35	2011	251	195	<50
AHP096171	4187	465	470	69	35	21610	676	488	187	55	<50	804	<50
AHP096173	6065	651	988	1095	35	6199	114	62	28	1534	160	149	<50
AHP096174	4768	401	186	450	11	7098	41	24	10	729	<50	48	<50
AHP096175	5651	1830	1133	1604	42	44983	368	189	106	850	199	458	<50
AHP096176	3650	1264	6037	9052	78	166521	3693	2149	1100	3287	254	4547	<50
AHP096177	1857	417	657	1135	64	17098	137	55	29	1810	178	167	<50
AHP096179	5151	161	71	176	12	16051	85	60	22	24	<50	84	<50
AHP096180	1547	356	120	1519	68	4518	19	<5	<5	184	<50	30	<50
AHP096181	4402	1380	439	1869	80	41942	85	40	17	1228	70	66	<50
AHP096182	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096184	6433	653	987	810	549	155061	524	308	116	1810	278	501	<50
AHP096185	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096187	5380	548	550	1162	234	80004	252	176	64	1240	189	252	<50
AHP932772	5512	764	9495	1313	184	58547	1713	792	565	4588	402	2300	<50
AHP932774	5765	758	23634	934	597	113096	3771	1716	1366	4438	816	5006	66
AHP932775	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932776	1004	810	754	1080	22	5374	69	24	10	999	<50	85	<50
AHP932777	1849	885	2445	902	38	13411	231	131	87	2267	185	377	<50
AHP932779	4536	902	1195	1125	90	15642	307	183	90	2543	223	370	<50
AHP932780	4879	1019	345	376	18	7616	48	26	14	1863	55	58	<50
AHP932781	4493	413	651	415	25	11010	275	171	86	1331	<50	372	<50
AHP932782	6020	1180	2200	440	111	54194	1139	667	435	1707	181	1637	<50
AHP932783	6244	487	8872	753	116	70418	2802	1312	987	2313	269	3934	<50
AHP932784	2710	50	83	61	11	310	11	6	<5	58	<50	13	<50
AHP932786	5707	829	2497	841	39	18570	346	166	97	1851	181	453	<50
AHP932787	3591	825	482	328	39	9199	134	69	33	994	120	135	<50
AHP932788	5024	483	1455	108	59	35141	881	496	285	573	<50	1185	<50
AHP932789	5478	1024	6245	655	540	91906	1755	947	518	4642	772	2186	58

Sample Number	1SLO Ca ppm	1SLO Cd ppb	1SLO Ce ppb	1SLO Co ppb	1SLO Cs ppb	1SLO Cu ppb	1SLO Dy ppb	1SLO Er ppb	1SLO Eu ppb	1SLO Fe ppm	1SLO Ga ppb	1SLO Gd ppb	1SLO Ge ppb
AHP932790	957	85	731	220	323	173377	87	43	29	318	226	117	<50
AHP932792	4853	358	20750	1121	279	29698	1910	775	670	3755	690	2592	53
AHP932793	3042	563	6392	367	30	4716	332	122	114	1334	152	463	<50
AHP932794	1555	299	3800	1584	73	6853	206	85	60	2359	280	245	<50
AHP932795	2145	337	789	420	19	1367	46	22	10	784	130	67	<50
AHP932796	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932798	5039	179	892	510	55	7098	242	141	64	1439	88	256	<50
AHP932799	2038	189	2097	1165	83	21131	169	86	48	2076	362	218	<50
AHP932800	1004	71	152	148	119	154615	61	29	15	134	72	80	<50
AHW096151	3880	353	7808	1436	19	3002	1848	1073	500	4956	127	2249	<50
AHW096152	4427	297	3373	2557	10	1081	509	322	135	5652	<50	620	<50
AHW096153	1685	124	1235	222	7	510	72	30	20	307	<50	56	<50
AHW096154	2438	146	467	317	12	1293	25	20	<5	279	126	37	<50
AHW096155	1939	300	477	389	9	1215	34	15	7	282	135	45	<50
AHW096157	9343	348	43088	1194	193	7391	5548	2582	1728	5490	1081	7392	118
AHW096158	1180	167	1015	251	28	1775	57	27	11	2090	345	99	<50
AHW096159	2210	95	4736	165	58	222	662	341	198	363	<50	911	<50
AHW096160	2470	207	1761	197	119	367	63	23	27	363	<50	103	<50
AHW096161	2635	76	2848	416	57	842	61	24	22	1190	374	118	<50
AHW096162	3257	79	3206	750	112	1467	248	115	70	2407	534	344	<50
AHW096163	3500	96	3409	428	29	1354	394	192	97	752	129	464	<50
AHW096164	1574	57	5439	761	108	1998	411	187	118	2070	589	607	<50
AHW096165	1138	59	457	443	9	694	51	18	8	466	94	76	<50
AHW096166	3425	175	271	189	17	683	49	31	12	196	86	58	<50
AHW096167	2405	42	43	60	13	327	7	<5	<5	49	<50	11	<50
AHW096251	3609	105	13243	2218	83	2195	1973	818	628	3871	457	2676	<50
AHW096252	1303	80	2228	325	9	664	207	92	65	1093	149	253	<50
AHW096253	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096254	2732	131	2228	410	13	834	231	113	72	851	88	279	<50
AHW096255	1985	230	659	213	64	498	62	21	18	93	<50	85	<50

Sample Number	1SLO Ca ppm	1SLO Cd ppb	1SLO Ce ppb	1SLO Co ppb	1SLO Cs ppb	1SLO Cu ppb	1SLO Dy ppb	1SLO Er ppb	1SLO Eu ppb	1SLO Fe ppm	1SLO Ga ppb	1SLO Gd ppb	1SLO Ge ppb
AHW096256	2124	106	247	293	25	884	21	10	<5	240	94	27	<50
AHW096257	4443	350	15585	805	98	4126	3321	1452	1031	4995	674	4209	53
AHW096258	1070	64	108	217	7	639	20	8	<5	405	145	16	<50
AHW096259	2848	243	576	395	13	770	46	22	9	931	141	48	<50
AHW096260	4663	156	2479	984	111	3023	438	198	131	2175	548	538	<50
AHW096261	2409	132	311	144	18	619	53	23	8	226	<50	40	<50
AHW096262	3919	220	7959	597	85	3837	2130	1063	696	3309	305	2732	<50
AHW096263	4746	294	10237	435	58	3733	2750	1334	941	1732	221	3681	<50
AHW096264	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096265	5970	322	6828	223	47	4654	3539	1939	1142	1927	96	4592	<50
AHW932751	1229	108	762	288	40	1151	41	17	11	1473	271	35	<50
AHW932752	5638	359	572	331	22	1000	44	22	5	729	290	76	<50
AHW932753	1392	161	1452	306	22	2552	80	43	27	1743	275	81	<50
AHW932754	2593	99	446	264	25	701	28	14	7	830	205	37	<50
AHW932755	2102	405	704	462	16	1851	49	20	11	753	238	48	<50
AHW932757	2840	143	4116	259	74	1327	330	162	122	1331	327	539	<50
AHW932758	3590	86	1466	493	28	985	136	68	42	1207	177	191	<50
AHW932759	1090	88	594	430	19	2388	36	17	6	765	155	49	<50
AHW932760	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932761	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932762	2506	223	416	168	14	946	38	13	9	343	<50	37	<50
AHW932763	3265	254	1718	1358	62	1234	67	28	11	1652	339	101	<50
AHW932764	959	90	247	129	7	377	19	7	<5	202	<50	26	<50
AHW932765	4826	276	1649	690	45	1340	133	57	27	1700	451	165	<50
AHW932766	5487	344	12741	897	369	3453	2149	1216	518	3431	803	2542	78
AHW932767	2729	188	1241	665	71	1019	75	39	21	1140	395	85	<50
AHW932769	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932770	743	145	313	192	26	638	28	15	7	162	67	44	<50
AHW932771	4021	171	1336	406	46	1230	289	142	82	1387	235	384	<50

Sample Number	1SLO Hf ppb	1SLO Hg ppb	1SLO Ho ppb	1SLO In ppb	1SLO K ppm	1SLO La ppb	1SLO Li ppb	1SLO Lu ppb	1SLO Mg ppm	1SLO Mn ppb	1SLO Mo ppb	1SLO Nb ppb	1SLO Nd ppb
AHP096169	74	25	75	23	39	1393	91	20	617	368951	247	128	1605
AHP096170	31	12	25	<10	73	724	69	8	456	607598	384	74	747
AHP096171	<20	26	158	<10	55	590	<20	88	598	99541	271	<10	1342
AHP096173	25	48	<20	<10	97	276	163	7	437	307366	223	56	409
AHP096174	<20	41	<20	<10	88	102	<20	<5	1105	82644	179	16	129
AHP096175	58	24	73	<10	49	1519	102	22	394	408706	148	81	1519
AHP096176	81	32	747	<10	35	5622	42	327	421	1147582	1569	101	10379
AHP096177	29	66	26	<10	66	460	62	6	373	643380	941	78	571
AHP096179	<20	15	<20	<10	44	65	29	11	521	19214	1618	<10	172
AHP096180	<20	33	<20	<10	143	43	<20	<5	499	137853	1561	<10	81
AHP096181	<20	15	<20	<10	72	139	63	<5	601	497127	1765	96	209
AHP096182	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096184	194	40	110	<10	57	605	1626	64	600	62318	6749	100	1359
AHP096185	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096187	78	28	49	<10	76	281	648	33	462	495450	5164	60	582
AHP932772	81	25	309	15	69	6252	307	87	626	398319	528	149	7984
AHP932774	157	27	676	20	133	15945	1185	196	707	250196	479	261	20309
AHP932775	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932776	<20	17	<20	<10	55	507	83	<5	217	372903	301	40	400
AHP932777	30	10	49	<10	25	1408	78	15	234	348156	300	115	1578
AHP932779	61	16	59	10	234	653	216	28	549	304862	448	200	1130
AHP932780	25	23	<20	<10	100	125	60	<5	983	215800	398	96	169
AHP932781	32	16	58	<10	39	483	74	28	845	204872	262	41	953
AHP932782	75	20	225	<10	56	2531	237	111	969	141328	274	51	4896
AHP932783	64	13	518	<10	102	11014	281	135	575	253378	514	81	15303
AHP932784	<20	6	<20	<10	47	59	91	<5	3048	16497	67	<10	84
AHP932786	36	12	63	<10	30	1320	91	21	272	400474	325	97	1524

Sample Number	1SLO Hf ppb	1SLO Hg ppb	1SLO Ho ppb	1SLO In ppb	1SLO K ppm	1SLO La ppb	1SLO Li ppb	1SLO Lu ppb	1SLO Mg ppm	1SLO Mn ppb	1SLO Mo ppb	1SLO Nb ppb	1SLO Nd ppb
AHP932787	<20	12	21	<10	111	265	121	9	502	33696	220	49	462
AHP932788	24	<5	182	<10	49	1717	160	78	975	46783	267	22	3143
AHP932789	140	22	346	14	118	4009	1481	134	868	142934	498	160	6472
AHP932790	<20	<5	<20	<10	221	298	212	<5	513	32661	926	<10	354
AHP932792	56	18	328	12	99	9548	930	75	719	198698	483	148	11062
AHP932793	<20	18	56	<10	91	2746	88	7	363	216698	310	60	2327
AHP932794	22	23	34	<10	70	1459	137	7	158	669070	549	80	1305
AHP932795	<20	15	<20	<10	108	363	59	<5	260	149281	281	34	361
AHP932796	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932798	33	21	48	<10	55	349	175	21	612	175993	285	33	735
AHP932799	30	17	31	<10	80	819	300	7	299	599350	1081	92	939
AHP932800	<20	<5	<20	<10	182	76	69	<5	409	31711	572	<10	127
AHW096151	126	24	382	<10	82	4864	89	168	855	127451	556	94	8023
AHW096152	26	14	105	<10	118	1764	<20	56	928	248638	480	26	2468
AHW096153	<20	<5	<20	<10	98	768	<20	<5	339	10472	255	22	576
AHW096154	<20	56	<20	<10	239	204	27	<5	365	924060	162	16	215
AHW096155	<20	19	<20	<10	296	241	<20	<5	450	573386	140	10	232
AHW096157	152	31	1027	13	115	31418	1161	294	1262	385385	623	255	35344
AHW096158	<20	16	<20	<10	92	595	110	<5	144	84855	159	113	451
AHW096159	<20	37	125	<10	172	2677	<20	38	314	17883	78	<10	3732
AHW096160	<20	12	<20	<10	93	1445	20	<5	314	7754	164	22	1036
AHW096161	43	10	<20	<10	63	2118	185	<5	465	78198	487	103	950
AHW096162	167	47	43	<10	103	1423	258	16	297	334225	335	139	1564
AHW096163	<20	45	76	<10	99	1806	107	20	558	100433	181	38	2029
AHW096164	43	27	77	<10	94	2899	536	21	320	124537	287	130	2869
AHW096165	22	28	<20	<10	79	273	33	<5	399	847910	751	17	300
AHW096166	<20	25	<20	<10	97	171	57	<5	451	229360	88	<10	264
AHW096167	<20	11	<20	<10	48	27	52	<5	2838	15873	54	<10	31
AHW096251	33	72	348	10	140	5332	354	85	631	160601	270	84	8532
AHW096252	<20	29	36	<10	43	1148	65	6	170	15836	108	75	1156

Sample Number	1SLO Hf ppb	1SLO Hg ppb	1SLO Ho ppb	1SLO In ppb	1SLO K ppm	1SLO La ppb	1SLO Li ppb	1SLO Lu ppb	1SLO Mg ppm	1SLO Mn ppb	1SLO Mo ppb	1SLO Nb ppb	1SLO Nd ppb
AHW096253	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096254	<20	6	46	<10	105	1165	58	11	395	75959	80	26	1281
AHW096255	<20	18	<20	<10	215	537	<20	<5	332	18529	98	<10	404
AHW096256	<20	50	<20	<10	257	118	25	<5	407	691544	185	16	158
AHW096257	55	52	605	12	85	7351	577	166	674	586261	359	137	12199
AHW096258	<20	49	<20	<10	187	43	50	<5	247	914161	122	13	67
AHW096259	<20	20	<20	<10	176	170	106	<5	361	154992	210	44	223
AHW096260	48	13	78	<10	69	1334	738	22	863	236231	137	131	1709
AHW096261	<20	26	<20	<10	115	182	35	<5	374	20971	33	<10	192
AHW096262	80	54	405	<10	75	6308	357	145	643	13973	159	118	9475
AHW096263	49	97	511	<10	108	7198	259	192	684	208796	155	75	11522
AHW096264	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096265	51	36	716	<10	63	7941	235	284	784	26599	163	55	14244
AHW932751	31	11	<20	<10	76	326	200	<5	135	90589	385	152	285
AHW932752	22	54	<20	<10	206	277	20	<5	413	2092228	889	53	290
AHW932753	46	21	<20	<10	54	768	74	<5	128	72622	234	205	617
AHW932754	<20	65	<20	<10	167	246	96	<5	272	295237	365	57	224
AHW932755	28	47	<20	<10	108	419	54	<5	302	1361266	517	65	286
AHW932757	39	23	62	<10	83	2156	335	17	554	135250	310	125	2559
AHW932758	28	5	28	<10	54	1214	129	7	656	119966	183	101	1045
AHW932759	22	25	<20	<10	68	394	53	<5	258	635805	705	61	241
AHW932760	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932761	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932762	<20	26	<20	<10	127	261	30	<5	348	135090	73	18	234
AHW932763	29	9	<20	<10	219	541	251	<5	448	1001888	543	123	434
AHW932764	<20	24	<20	<10	100	117	<20	<5	304	608060	161	18	155
AHW932765	124	82	25	<10	153	749	152	6	455	1751052	1089	192	782
AHW932766	128	78	428	11	207	5297	1589	197	1516	906624	1032	273	9944
AHW932767	43	34	<20	<10	112	454	375	<5	344	431250	282	101	490
AHW932769	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

Sample Number	1SLO Hf ppb	1SLO Hg ppb	1SLO Ho ppb	1SLO In ppb	1SLO K ppm	1SLO La ppb	1SLO Li ppb	1SLO Lu ppb	1SLO Mg ppm	1SLO Mn ppb	1SLO Mo ppb	1SLO Nb ppb	1SLO Nd ppb
AHW932770	<20	55	<20	<10	121	225	<20	<5	472	862635	502	<10	224
AHW932771	27	33	54	<10	66	1266	225	16	653	201434	247	61	1614

Sample Number	1SLO Ni ppb	1SLO Pb ppb	1SLO Pr ppb	1SLO Rb ppb	1SLO Re ppb	1SLO Sb ppb	1SLO Sc ppb	1SLO Se ppb	1SLO Sm ppb	1SLO Sn ppb	1SLO Sr ppb	1SLO Ta ppb
AHP096169	12511	2138	364	443	<2	28	2338	<200	389	<20	35215	<20
AHP096170	5086	1831	180	799	<2	11	957	<200	184	<20	46353	<20
AHP096171	10298	95	257	524	<2	6	516	<200	500	<20	28707	<20
AHP096173	5194	922	93	670	<2	10	849	<200	102	<20	44811	<20
AHP096174	2399	391	25	508	<2	16	265	<200	31	<20	19905	<20
AHP096175	36271	1061	376	639	<2	57	1444	<200	387	<20	40138	<20
AHP096176	78949	1153	2060	272	3	99	3386	<200	3183	31	49181	<20
AHP096177	5485	427	132	498	<2	105	527	<200	132	25	87785	<20
AHP096179	2234	71	34	239	5	16	442	<200	67	<20	44320	<20
AHP096180	1359	603	13	742	4	5	<100	<200	14	<20	107107	<20
AHP096181	4546	815	47	657	2	24	1206	<200	59	<20	43051	<20
AHP096182	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096184	15271	1009	258	1628	9	413	8947	213	412	39	93817	<20
AHP096185	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096187	6701	939	122	904	5	181	3726	<200	202	20	40306	<20
AHP932772	6473	5818	1773	1305	<2	58	3971	<200	1945	41	26693	<20
AHP932774	7490	4378	4729	2818	3	160	8370	<200	4804	82	29780	23
AHP932775	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932776	2031	2270	94	387	<2	15	468	<200	86	<20	26185	<20
AHP932777	2614	3255	363	619	<2	23	1093	<200	345	26	23044	<20
AHP932779	2303	2564	229	1045	3	30	2179	<200	324	44	19066	<20
AHP932780	1331	1624	39	523	<2	14	626	<200	50	<20	12715	<20
AHP932781	1304	995	184	248	<2	12	1215	<200	304	<20	12834	<20
AHP932782	4465	1338	981	664	<2	73	2886	<200	1463	<20	22276	<20
AHP932783	10244	2450	3497	932	<2	38	3902	<200	3738	24	28510	<20
AHP932784	333	1067	14	315	<2	138	112	<200	17	26	3704	<20
AHP932786	4332	1975	344	441	<2	17	1374	<200	374	<20	30026	<20
AHP932787	1716	1197	94	412	<2	14	981	<200	127	21	12785	<20
AHP932788	1587	392	633	348	<2	16	1192	<200	859	<20	14988	<20
AHP932789	6324	1850	1370	2574	<2	134	6968	<200	1695	68	45489	<20

Sample Number	1SLO Ni ppb	1SLO Pb ppb	1SLO Pr ppb	1SLO Rb ppb	1SLO Re ppb	1SLO Sb ppb	1SLO Sc ppb	1SLO Se ppb	1SLO Sm ppb	1SLO Sn ppb	1SLO Sr ppb	1SLO Ta ppb
AHP932790	525	3059	73	1885	4	223	1311	<200	97	39	5805	<20
AHP932792	2981	2431	2651	1516	<2	78	4622	<200	2519	62	33741	<20
AHP932793	1113	2424	620	296	<2	10	1294	<200	457	31	16304	<20
AHP932794	1063	3821	330	508	<2	28	1168	<200	251	42	7871	<20
AHP932795	590	1588	78	423	<2	5	505	<200	73	23	10789	<20
AHP932796	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932798	1235	753	147	504	<2	17	1415	<200	209	<20	28957	<20
AHP932799	990	1830	218	588	<2	54	966	<200	203	<20	13960	<20
AHP932800	356	2868	21	1090	2	151	560	<200	54	21	5100	<20
AHW096151	1257	1405	1705	285	3	51	4895	<200	2168	33	24453	<20
AHW096152	514	490	554	509	<2	19	831	<200	587	<20	36238	<20
AHW096153	183	1188	159	393	<2	<5	454	<200	109	<20	20284	<20
AHW096154	302	1503	49	1530	<2	<5	358	<200	39	24	10347	<20
AHW096155	389	1302	60	1810	<2	<5	367	<200	50	<20	14194	<20
AHW096157	3253	1858	8397	1188	4	106	7501	<200	7627	67	69399	27
AHW096158	743	1410	113	424	<2	<5	618	<200	73	28	7200	<20
AHW096159	278	762	846	1330	<2	<5	832	<200	808	30	11920	<20
AHW096160	231	912	294	1467	<2	<5	788	<200	142	20	15050	<20
AHW096161	854	958	294	549	<2	5	953	<200	136	48	29246	<20
AHW096162	1180	827	371	1275	<2	14	1483	<200	337	55	24745	<20
AHW096163	666	1042	484	336	<2	6	1200	<200	430	25	16099	<20
AHW096164	1060	1271	725	846	<2	23	1921	<200	619	65	13857	<20
AHW096165	377	291	72	145	<2	<5	420	<200	69	<20	13550	<20
AHW096166	264	652	55	273	<2	<5	439	<200	52	<20	10532	<20
AHW096167	305	1022	5	305	<2	117	<100	<200	<5	24	3486	<20
AHW096251	1989	1307	1820	795	<2	33	3630	<200	2218	42	24042	<20
AHW096252	345	945	272	138	<2	7	888	<200	228	49	8106	<20
AHW096253	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096254	522	1263	292	375	<2	<5	980	<200	264	38	12851	<20
AHW096255	258	757	106	2192	<2	<5	244	<200	78	24	12610	<20

Sample Number	1SLO Ni ppb	1SLO Pb ppb	1SLO Pr ppb	1SLO Rb ppb	1SLO Re ppb	1SLO Sb ppb	1SLO Sc ppb	1SLO Se ppb	1SLO Sm ppb	1SLO Sn ppb	1SLO Sr ppb	1SLO Ta ppb
AHW096256	372	2158	34	2316	<2	<5	259	<200	33	42	8676	<20
AHW096257	1960	1781	2529	604	<2	63	5298	<200	3388	72	19126	<20
AHW096258	214	620	20	1031	<2	<5	246	<200	18	<20	4727	<20
AHW096259	471	1158	46	493	<2	7	494	<200	53	30	9151	<20
AHW096260	1294	2202	375	691	<2	22	2064	<200	444	59	14285	<20
AHW096261	250	717	46	866	<2	<5	272	<200	43	25	5104	<20
AHW096262	1551	1039	2045	478	<2	62	5545	<200	2528	38	20816	<20
AHW096263	1727	852	2377	660	<2	68	4742	<200	3242	30	23514	<20
AHW096264	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096265	1870	378	2864	297	<2	32	5008	<200	3997	<20	18097	<20
AHW932751	867	1356	73	490	<2	11	734	<200	51	63	7541	<20
AHW932752	737	1069	65	1804	<2	5	686	<200	32	74	20985	<20
AHW932753	1508	2324	149	357	<2	8	1118	<200	108	127	8798	<20
AHW932754	527	1489	58	1254	<2	6	518	<200	41	43	9958	<20
AHW932755	1423	850	79	668	<2	5	804	<200	55	69	12787	<20
AHW932757	881	1120	612	635	<2	9	1135	<200	529	55	25770	<20
AHW932758	588	908	254	296	<2	6	780	<200	219	48	27311	<20
AHW932759	986	538	69	322	<2	<5	673	<200	48	51	17415	<20
AHW932760	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932761	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932762	471	1340	57	455	<2	<5	528	<200	46	35	12316	<20
AHW932763	540	2945	112	861	<2	10	1062	<200	82	76	17254	<20
AHW932764	264	637	33	329	<2	<5	376	<200	30	<20	13522	<20
AHW932765	1587	205	191	1581	<2	<5	1303	<200	162	42	17167	<20
AHW932766	2191	887	2099	3238	<2	69	6490	<200	2645	91	25155	22
AHW932767	964	912	119	1125	<2	10	1259	<200	96	45	10315	<20
AHW932769	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932770	523	1074	58	719	<2	8	417	<200	53	25	16931	<20
AHW932771	791	611	353	552	<2	7	1073	<200	352	23	25098	<20

Sample Number	1SLO Tb ppb	1SLO Te ppb	1SLO Th ppb	1SLO Ti ppm	1SLO Tl ppb	1SLO Tm ppb	1SLO U ppb	1SLO V ppb	1SLO W ppb	1SLO Y ppb	1SLO Yb ppb	1SLO Zn ppb	1SLO Zr ppb
AHP096169	73	<20	875	<1	9	24	180	1854	<10	2460	153	87624	1979
AHP096170	32	<20	663	5	9	9	61	1550	<10	790	46	68618	758
AHP096171	118	<20	48	<1	9	73	230	86	<10	8166	529	77742	391
AHP096173	22	<20	287	<1	9	6	59	1760	<10	650	47	55984	595
AHP096174	8	<20	93	<1	5	<5	30	240	<10	328	20	220300	326
AHP096175	70	47	995	<1	15	23	85	892	<10	2602	160	131746	1581
AHP096176	646	<20	852	<1	23	292	1393	467	11	30728	2034	68131	2574
AHP096177	22	24	491	<1	15	7	54	250	12	764	45	326415	994
AHP096179	15	<20	62	<1	<5	9	107	<50	<10	815	75	74501	374
AHP096180	<5	<20	45	<1	<5	<5	18	71	<10	98	<5	228277	167
AHP096181	12	<20	301	<1	7	5	59	333	<10	483	46	481551	689
AHP096182	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096184	85	<20	1848	<1	15	52	1232	2025	51	3403	389	88734	5462
AHP096185	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096187	40	<20	660	1	16	25	570	1146	21	1709	212	70013	2446
AHP932772	319	<20	1543	54	18	91	812	4283	19	9029	641	54105	2211
AHP932774	713	<20	2830	70	47	213	1965	6396	30	20466	1397	40289	5038
AHP932775	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932776	11	<20	204	4	6	<5	28	705	<10	335	18	64552	419
AHP932777	48	<20	588	15	9	16	121	2889	10	1418	108	76843	909
AHP932779	54	<20	588	15	9	24	432	1928	<10	2106	196	113293	1604
AHP932780	9	<20	192	<1	5	<5	54	884	<10	367	42	275293	731
AHP932781	52	<20	269	<1	<5	23	312	652	<10	2180	175	50013	1022
AHP932782	213	<20	569	<1	14	89	1096	1660	525	8359	737	57616	2552
AHP932783	540	<20	1309	30	18	157	570	2691	<10	16143	1015	17948	1884
AHP932784	<5	<20	49	18	<5	<5	495	909	39	81	6	4811	72
AHP932786	58	<20	621	22	12	20	146	1620	<10	2028	140	146406	968

Sample Number	1SLO Tb ppb	1SLO Te ppb	1SLO Th ppb	1SLO Ti ppm	1SLO Tl ppb	1SLO Tm ppb	1SLO U ppb	1SLO V ppb	1SLO W ppb	1SLO Y ppb	1SLO Yb ppb	1SLO Zn ppb	1SLO Zr ppb
AHP932787	21	<20	237	22	<5	8	82	1213	<10	702	67	42432	502
AHP932788	147	<20	216	<1	7	69	290	723	29	7888	502	17707	846
AHP932789	310	<20	1271	50	31	136	1060	6654	89	11471	921	33701	4254
AHP932790	12	<20	171	22	51	7	66	3538	4079	437	46	7309	247
AHP932792	371	<20	1403	70	20	95	704	4735	21	9036	543	15667	2310
AHP932793	67	<20	310	40	8	13	134	1116	<10	1541	75	28241	468
AHP932794	39	<20	319	48	17	10	134	1801	11	905	51	15944	1135
AHP932795	9	<20	110	30	7	<5	34	806	<10	262	15	58336	354
AHP932796	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932798	40	<20	311	16	6	18	163	1198	<10	1550	117	31889	1142
AHP932799	30	<20	458	44	12	9	91	2473	12	813	57	20366	969
AHP932800	9	<20	69	74	38	<5	49	1113	3218	266	29	5746	121
AHW096151	303	<20	1149	37	15	161	2043	2987	16	12337	1154	14194	5134
AHW096152	92	<20	247	<1	18	46	366	1763	<10	3940	350	9904	1038
AHW096153	13	<20	355	<1	<5	<5	67	250	<10	431	20	9069	295
AHW096154	<5	<20	72	3	64	<5	21	202	<10	170	14	23133	213
AHW096155	6	<20	66	4	21	<5	22	253	<10	206	18	42695	173
AHW096157	1014	<20	3651	70	35	332	2061	7786	17	31445	2021	10866	6069
AHW096158	10	<20	411	20	<5	<5	65	1537	<10	296	21	8982	796
AHW096159	121	<20	188	3	<5	41	146	307	<10	4541	274	8801	440
AHW096160	11	<20	221	<1	<5	<5	86	370	<10	362	18	16007	414
AHW096161	12	<20	469	35	6	<5	120	1491	<10	379	18	4962	1440
AHW096162	49	22	1050	40	30	13	225	2537	<10	1333	99	9632	4691
AHW096163	70	<20	289	16	<5	25	323	982	<10	2592	136	16849	706
AHW096164	73	<20	458	23	14	21	246	3417	12	2380	160	10565	1466
AHW096165	8	<20	126	<1	22	<5	64	269	<10	222	14	28267	617
AHW096166	9	<20	72	<1	11	<5	33	319	<10	339	16	53070	268
AHW096167	<5	24	45	<1	<5	<5	459	828	27	59	5	5145	57
AHW096251	374	<20	328	78	14	101	314	1950	19	10064	643	11585	1080
AHW096252	43	<20	185	64	<5	10	82	984	10	1089	69	3451	522

Sample Number	1SLO Tb ppb	1SLO Te ppb	1SLO Th ppb	1SLO Ti ppm	1SLO Tl ppb	1SLO Tm ppb	1SLO U ppb	1SLO V ppb	1SLO W ppb	1SLO Y ppb	1SLO Yb ppb	1SLO Zn ppb	1SLO Zr ppb
AHW096253	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096254	47	<20	121	47	13	13	61	790	<10	1221	83	8540	363
AHW096255	10	<20	44	10	<5	<5	12	152	<10	372	18	11803	98
AHW096256	<5	<20	41	30	55	<5	11	334	<10	120	9	27768	207
AHW096257	634	<20	797	89	11	194	581	4747	31	16934	1231	10196	1842
AHW096258	<5	<20	22	21	28	<5	12	289	<10	95	7	23595	163
AHW096259	8	<20	109	42	15	<5	23	1121	<10	203	20	19563	484
AHW096260	81	<20	320	77	10	29	223	4670	25	2777	168	11826	1678
AHW096261	8	<20	60	28	<5	<5	21	221	<10	241	23	19794	249
AHW096262	384	<20	813	58	8	142	974	3038	11	11826	946	10025	2649
AHW096263	499	<20	411	33	16	173	461	1745	12	16920	1261	15161	1455
AHW096264	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096265	649	<20	523	9	7	260	977	1913	18	23940	1884	13748	2186
AHW932751	8	<20	259	55	7	<5	48	2008	16	221	23	9265	947
AHW932752	7	<20	270	70	36	<5	74	494	<10	238	20	30180	540
AHW932753	13	<20	704	79	<5	<5	104	1143	20	443	30	9457	1450
AHW932754	5	<20	150	43	14	<5	33	985	13	175	13	18121	639
AHW932755	9	<20	348	46	8	<5	39	473	10	254	22	37963	724
AHW932757	66	<20	320	70	12	21	79	1798	18	2020	111	16252	1245
AHW932758	25	<20	542	50	<5	7	77	1465	10	817	53	10152	900
AHW932759	6	<20	195	23	11	<5	58	468	16	228	14	22961	682
AHW932760	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932761	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932762	6	<20	159	33	<5	<5	45	349	<10	205	17	29121	344
AHW932763	10	<20	292	102	28	<5	86	2779	13	373	28	30328	1063
AHW932764	<5	<20	75	12	7	<5	45	136	<10	99	9	28747	285
AHW932765	25	<20	783	78	10	8	176	1222	20	725	48	22913	4161
AHW932766	370	<20	1314	92	29	171	2098	8350	34	11851	1302	31020	5372
AHW932767	11	<20	380	45	7	5	62	1470	<10	358	36	20954	1611
AHW932769	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

Sample Number	1SLO Tb ppb	1SLO Te ppb	1SLO Th ppb	1SLO Ti ppm	1SLO Tl ppb	1SLO Tm ppb	1SLO U ppb	1SLO V ppb	1SLO W ppb	1SLO Y ppb	1SLO Yb ppb	1SLO Zn ppb	1SLO Zr ppb
AHW932770	6	<20	67	26	42	<5	30	91	<10	203	15	45311	162
AHW932771	57	<20	260	57	7	16	89	1656	<10	1752	115	16953	1083

Sample Number	1F15 Mo ppm	1F15 Cu ppm	1F15 Pb ppm	1F15 Zn ppm	1F15 Ag ppm	1F15 Ni ppm	1F15 Co ppm	1F15 Mn ppm	1F15 Fe %	1F15 As ppm	1F15 U ppm	1F15 Au ppb	1F15 Th ppm
AHP096169	1.53	59.01	28.01	311.1	223	39.6	23.9	3217	3.77	27.3	0.3	1.2	0.1
AHP096170	1.34	38.29	14.29	223.8	183	27.5	14	2103	1.95	9.1	0.2	0.6	0.1
AHP096171	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096173	0.82	24.54	7.57	136.8	91	20.5	7.2	1275	1.28	5.3	0.2	0.3	0.2
AHP096174	0.79	34.44	5.66	388.2	117	10.5	5.3	772	0.69	9	<0.1	0.2	0.1
AHP096175	1.86	159.29	29.13	1151.3	510	113.2	50.3	7982	5.82	25.5	0.2	<0.2	0.3
AHP096176	5.58	619.21	28.18	295.5	855	221.8	91.9	4961	2.17	4.5	1.9	0.6	0.2
AHP096177	6.78	66.32	10.66	707.5	219	20	12.9	4826	5.61	11.6	0.1	3.8	<0.1
AHP096179	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096180	9.22	37.7	3.94	316.4	174	8.1	4.3	465	0.2	0.8	<0.1	1.3	<0.1
AHP096181	31.21	261.21	30.57	1097.3	336	25.5	26.6	3032	2.68	21.3	0.2	5.3	<0.1
AHP096182	31.73	532.21	7	289.2	2107	56.2	8.8	570	1.09	20.5	1.7	7.2	0.5
AHP096184	20.14	539.66	13.13	401	1425	69.6	8.3	738	2.02	29.3	1.9	5.9	1.2
AHP096185	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096187	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932772	1.49	185.64	25.14	198.5	1247	19.3	7.3	1205	1.72	4.3	1.1	0.9	0.4
AHP932774	2.19	384.32	42.26	406.1	2411	41.6	12.5	1859	3.38	6.4	2.9	2.9	2
AHP932775	1.39	116.3	17.57	91.8	755	14.4	5.3	226	1	2.3	0.9	0.7	0.3
AHP932776	1.54	22.66	17.83	158.5	452	7.3	4.3	1207	1.41	4.3	0.1	0.4	0.1
AHP932777	1.05	50.94	17.71	193.5	750	10.2	5.5	1269	1.38	4.6	0.3	0.4	0.2
AHP932779	1.92	62.01	12.94	217.1	544	8.2	3.8	743	1.01	3.3	0.6	1.4	0.1
AHP932780	1.31	38.63	18.71	470.2	251	6.8	5.3	1498	1.23	3.4	0.1	0.6	0.1
AHP932781	1.45	85.97	9.92	135.1	497	11.5	3.8	614	1	2.8	0.5	1.9	0.2
AHP932782	1.62	256.61	13.83	215.4	894	23.5	5.9	760	1.74	4.8	1.7	2.7	0.4
AHP932783	2.5	266.28	22.35	173.1	1072	34.9	10.8	1916	2.4	5.6	0.9	1	0.4
AHP932784	0.2	1.25	3.71	12.1	60	1.9	0.4	71	0.07	2.7	1.5	1.9	<0.1
AHP932786	1.58	87.17	17.33	338.5	579	14.9	7.5	1765	1.65	5	0.3	0.7	0.1
AHP932787	1.94	54.46	7.3	90.7	323	8.3	1.6	77	0.75	2.2	0.2	2	0.2
AHP932788	1.66	208.45	4.11	61.7	669	14.1	1.4	193	0.63	2.9	0.5	1.8	0.2
AHP932789	2.94	361.83	16.27	240.4	3448	33.5	7.6	815	3.05	8.8	1.6	3.8	1.2

Sample Number	1F15 Mo ppm	1F15 Cu ppm	1F15 Pb ppm	1F15 Zn ppm	1F15 Ag ppm	1F15 Ni ppm	1F15 Co ppm	1F15 Mn ppm	1F15 Fe %	1F15 As ppm	1F15 U ppm	1F15 Au ppb	1F15 Th ppm
AHP932790	139.89	3453.69	41.94	119.2	3524	24	19.3	471	4.24	75.4	0.6	919.9	1.8
AHP932792	1.8	106.46	14.6	90.1	905	12.1	6.5	729	1.57	4.2	1	2.4	0.7
AHP932793	1.44	25.24	10.81	65.4	528	4.5	1.4	345	0.71	1.3	0.3	1.1	<0.1
AHP932794	1.62	34.91	16.34	52.4	944	4.6	4.5	1101	1.02	2.4	0.3	1.4	0.3
AHP932795	1.43	9.23	6.64	102.7	329	3.5	1.3	196	0.38	1	0.1	1.3	0.1
AHP932796	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932798	1.42	38.08	4.62	68.8	207	7.4	2.4	363	0.71	3.1	0.3	1.5	0.3
AHP932799	3.74	121.22	14.56	100.2	235	9.2	5.7	1119	1.73	17.4	0.3	2.9	0.3
AHP932800	149.13	3546.75	42.69	119.6	3635	24.5	20.5	487	4.74	73.6	0.6	1346.5	2.4
AHW096151	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096152	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096153	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096154	1.23	6.43	4.97	38.1	292	1.7	0.8	1085	0.28	0.4	<0.1	<0.2	0.2
AHW096155	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096157	1.52	33.47	11.91	65.2	737	15.8	9.4	1713	1.87	4.1	2.9	6.5	0.7
AHW096158	0.78	9.98	6.65	38.2	92	5.4	1.8	152	1.17	1.7	0.2	0.8	0.3
AHW096159	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096160	1.62	5.54	3.54	36.5	224	2.4	0.8	24	0.32	0.1	0.2	0.6	0.1
AHW096161	2.54	10.37	6.17	36.9	164	7.7	2.9	183	0.92	1.1	0.3	<0.2	0.2
AHW096162	1.06	13.21	6.15	65.8	254	9	4.9	885	1.39	2.3	0.5	1.5	0.2
AHW096163	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096164	1.04	11.59	6.11	52.7	307	5.7	3.2	282	1.2	1.3	0.5	<0.2	0.2
AHW096165	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096166	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096167	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096251	1.09	10.82	7.63	40.4	1207	7.8	10	608	1.01	1.7	0.5	1.6	<0.1
AHW096252	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096253	0.9	3.72	3.56	9.3	237	1.7	0.6	24	0.29	0.8	<0.1	0.7	0.1
AHW096254	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096255	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

Sample Number	1F15 Mo ppm	1F15 Cu ppm	1F15 Pb ppm	1F15 Zn ppm	1F15 Ag ppm	1F15 Ni ppm	1F15 Co ppm	1F15 Mn ppm	1F15 Fe %	1F15 As ppm	1F15 U ppm	1F15 Au ppb	1F15 Th ppm
AHW096256	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096257	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096258	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096259	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096260	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096261	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096262	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096263	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096264	0.47	10.15	7.08	33.1	392	5	2.6	161	1.17	2.2	0.3	<0.2	0.2
AHW096265	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932751	1.46	6.5	7.02	42.3	189	4.4	1.8	205	1.21	2	0.2	0.6	0.1
AHW932752	1.79	6.98	6.22	66.8	252	2.7	1.2	3909	0.54	0.9	0.1	0.4	<0.1
AHW932753	1.06	7.81	8.68	37.1	79	4.4	1.5	136	1.05	1.2	0.2	0.4	<0.1
AHW932754	1.35	4.86	6.15	36.9	114	3.2	1.4	347	0.75	1.1	0.1	0.5	0.2
AHW932755	1.55	7.96	6.62	87.9	206	5	2.1	3436	0.79	1.1	0.1	1.5	<0.1
AHW932757	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932758	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932759	1.35	10.28	6.86	58.9	288	3.4	1.9	2272	0.74	0.7	0.2	1.9	<0.1
AHW932760	1.44	7.05	7.38	47.3	232	4.8	2.1	393	1.19	2.2	0.2	2.1	0.3
AHW932761	1.2	10.83	3.93	65.4	430	5.1	1.7	1980	0.38	1.1	0.4	<0.2	0.1
AHW932762	0.96	7.94	6.23	60	240	2.5	0.8	204	0.35	0.8	0.1	0.3	0.2
AHW932763	1.92	10.56	11.7	68.1	395	3.5	4	1439	0.88	2.5	0.2	0.7	0.1
AHW932764	1.48	6.6	3.87	55.1	98	2.1	0.8	1308	0.34	1.4	0.2	0.8	0.2
AHW932765	2.54	9.84	6.02	72.6	62	8.5	5.5	5542	0.96	1.8	0.5	0.5	0.3
AHW932766	3.2	16.8	7.52	95.9	165	9	5.8	4543	1.22	9.8	2.8	0.7	0.5
AHW932767	0.15	0.6	2.35	7.6	36	1.7	0.2	45	0.05	2.2	1	1.6	<0.1
AHW932769	2.29	7.37	4.19	83.6	425	2.9	0.8	2564	0.12	0.5	<0.1	0.2	<0.1
AHW932770	1.15	7.74	4.09	56.6	138	5.7	3.2	597	0.74	1.2	0.2	0.2	0.2
AHW932771	1.06	9.91	3.76	51	376	4.8	2.2	368	0.67	1.5	0.2	1	0.2

Sample Number	1F15 Sr ppm	1F15 Cd ppm	1F15 Sb ppm	1F15 Bi ppm	1F15 V ppm	1F15 Ca %	1F15 P %	1F15 La ppm	1F15 Cr ppm	1F15 Mg %	1F15 Ba ppm	1F15 Ti %
AHP096169	125.6	3.88	0.5	0.89	35	1.19	0.208	7.4	16.3	0.2	655.5	0.009
AHP096170	83	1.65	0.44	0.35	25	0.78	0.084	3.9	10.7	0.18	397.4	0.011
AHP096171	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096173	256.6	1.44	0.19	0.14	22	1.78	0.073	3.4	8.2	0.16	196.9	0.011
AHP096174	233.6	1.56	0.29	0.24	4	2.7	0.129	1.6	3.1	0.22	206.2	0.005
AHP096175	166.9	8.75	2.96	1.62	29	1.21	0.175	7.3	17.6	0.18	567.8	0.021
AHP096176	247	6.07	1	0.28	11	1.28	0.174	32.6	6.2	0.09	183	0.011
AHP096177	224.4	1.58	6.18	0.42	11	1.27	0.207	2.2	4.4	0.07	646.2	0.008
AHP096179	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096180	406.5	2.41	0.49	0.1	<2	1.7	0.12	<0.5	1.7	0.1	87.7	0.002
AHP096181	402.8	5.64	2.29	0.28	16	1.92	0.185	2.8	8.8	0.16	378.7	0.007
AHP096182	639	1.75	2.54	0.18	10	2.81	0.176	3.8	9.3	0.17	109.9	0.004
AHP096184	649.1	1.97	2.79	0.27	19	2.55	0.17	6	17.5	0.28	210.5	0.005
AHP096185	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096187	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932772	61.2	1.85	0.39	0.26	22	0.8	0.145	15	9.2	0.19	274.7	0.006
AHP932774	77.5	2.22	0.72	0.47	39	0.85	0.224	37.4	19.8	0.3	716.3	0.005
AHP932775	105	3.9	0.47	0.2	12	1.3	0.123	8	4.4	0.09	287.3	0.007
AHP932776	72.9	2.37	0.54	0.16	20	0.72	0.059	3.4	5.9	0.08	356.2	0.009
AHP932777	56.3	2.6	0.3	0.17	21	0.59	0.061	5.4	6.5	0.11	209	0.011
AHP932779	120.6	2	0.31	0.18	11	1.44	0.168	4.7	5.2	0.12	369.2	0.005
AHP932780	164.8	3.43	0.3	0.18	12	2.18	0.164	2.5	4.7	0.21	406.2	0.009
AHP932781	144.8	1.22	0.43	0.13	11	2.04	0.117	5.8	5.4	0.2	249	0.006
AHP932782	168	3.31	1.21	0.2	17	2.21	0.151	19.6	9	0.26	396.2	0.004
AHP932783	81.5	1.58	0.46	0.26	27	1	0.141	30.1	11.6	0.21	332.9	0.008
AHP932784	197.8	0.25	1.37	<0.02	9	14.35	0.01	0.8	2.4	6.08	17.3	0.002
AHP932786	91	2.38	0.38	0.2	23	0.93	0.094	6	7.6	0.11	370.3	0.011

Sample Number	1F15 Sr ppm	1F15 Cd ppm	1F15 Sb ppm	1F15 Bi ppm	1F15 V ppm	1F15 Ca %	1F15 P %	1F15 La ppm	1F15 Cr ppm	1F15 Mg %	1F15 Ba ppm	1F15 Ti %
AHP932787	71.8	1.62	0.28	0.1	12	0.86	0.064	2.6	4.6	0.1	192.5	0.005
AHP932788	145.3	1.22	0.41	0.08	8	1.97	0.097	13.8	4	0.2	227	0.003
AHP932789	195.3	2.55	0.83	0.29	38	1.28	0.113	20.6	19.7	0.35	511.7	0.003
AHP932790	28.4	0.98	5.21	0.61	86	0.35	0.098	9	33	0.66	44.7	0.068
AHP932792	63.7	0.56	0.37	0.18	24	0.61	0.094	20.4	10.6	0.21	307.5	0.004
AHP932793	34.8	0.9	0.17	0.1	15	0.4	0.081	7	5.6	0.06	203.6	0.007
AHP932794	17	0.53	0.27	0.15	17	0.21	0.107	5.4	5.7	0.06	164.3	0.008
AHP932795	27.1	0.53	0.13	0.08	8	0.3	0.075	2.3	4.1	0.06	133.1	0.007
AHP932796	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932798	206	0.4	0.21	0.22	11	1.48	0.091	3.1	5	0.14	104.9	0.003
AHP932799	23.4	0.31	0.56	0.18	33	0.27	0.06	4.7	10.3	0.16	143.7	0.008
AHP932800	26.1	0.78	6.03	1.2	93	0.34	0.092	10.2	34.8	0.65	56.3	0.063
AHW096151	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096152	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096153	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096154	16.1	0.18	0.13	0.11	6	0.27	0.097	2.1	3.2	0.04	106.7	0.012
AHW096155	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096157	119.4	0.56	0.53	0.25	25	1.09	0.095	57.8	17.7	0.28	340.3	0.016
AHW096158	13.4	0.34	0.18	0.12	28	0.17	0.04	4.3	13	0.05	109.6	0.032
AHW096159	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096160	46.9	0.33	0.14	0.07	7	0.51	0.065	4.3	4.3	0.05	106.6	0.012
AHW096161	58.1	0.17	0.12	0.11	20	0.56	0.043	6	13.2	0.13	110.9	0.021
AHW096162	41.4	0.18	0.15	0.13	25	0.48	0.097	5.4	14.6	0.16	199.1	0.024
AHW096163	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096164	18.9	0.12	0.17	0.13	26	0.22	0.041	7.3	12.1	0.13	111	0.024
AHW096165	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096166	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096167	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096251	74.3	0.26	0.28	0.09	11	0.67	0.19	15.5	7.5	0.17	165.9	0.01
AHW096252	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

Sample Number	1F15 Sr ppm	1F15 Cd ppm	1F15 Sb ppm	1F15 Bi ppm	1F15 V ppm	1F15 Ca %	1F15 P %	1F15 La ppm	1F15 Cr ppm	1F15 Mg %	1F15 Ba ppm	1F15 Ti %
AHW096253	26.4	0.15	0.17	0.06	8	0.28	0.062	1.8	3.8	0.05	67.5	0.011
AHW096254	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096255	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096256	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096257	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096258	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096259	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096260	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096261	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096262	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096263	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096264	23.4	0.19	0.1	0.12	24	0.22	0.061	8.2	11.1	0.13	135.8	0.018
AHW096265	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932751	16.9	0.22	0.14	0.11	27	0.17	0.068	3.5	9.3	0.08	113.7	0.022
AHW932752	30.4	0.57	0.27	0.1	12	0.63	0.113	2.3	6.6	0.06	189.3	0.01
AHW932753	17.1	0.32	0.3	0.14	26	0.16	0.059	4.7	11	0.04	110.9	0.01
AHW932754	17	0.14	0.26	0.1	18	0.26	0.088	2.6	8.3	0.07	77.9	0.021
AHW932755	33.8	0.92	0.26	0.2	21	0.59	0.075	3.3	9.9	0.06	268.8	0.009
AHW932757	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932758	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932759	46.8	0.33	0.16	0.14	16	0.64	0.054	4.2	7.8	0.06	157.7	0.011
AHW932760	17.6	0.24	0.22	0.23	25	0.28	0.116	4.5	9.7	0.12	88.7	0.029
AHW932761	121.8	0.45	0.18	0.11	5	1.1	0.099	15.1	4	0.16	246.7	0.007
AHW932762	43	0.48	0.15	0.1	10	0.5	0.077	2.2	4.9	0.06	182.5	0.012
AHW932763	27.5	0.4	0.21	0.26	19	0.34	0.118	3.5	7	0.1	117.6	0.015
AHW932764	54.2	0.36	0.14	0.09	8	0.74	0.066	2.6	4.2	0.06	133.4	0.013
AHW932765	62	0.61	0.12	0.08	23	0.86	0.13	5.2	13.1	0.12	383.9	0.048
AHW932766	124.4	0.93	0.38	0.19	29	1.12	0.138	23.4	10.6	0.25	247.3	0.017
AHW932767	137.8	0.16	1.07	<0.02	6	9.74	0.006	<0.5	1.5	4.51	11.1	0.001
AHW932769	43.2	0.4	0.15	0.06	<2	0.87	0.112	0.8	1.7	0.08	222	0.004

Sample Number	1F15 Sr ppm	1F15 Cd ppm	1F15 Sb ppm	1F15 Bi ppm	1F15 V ppm	1F15 Ca %	1F15 P %	1F15 La ppm	1F15 Cr ppm	1F15 Mg %	1F15 Ba ppm	1F15 Ti %
AHW932770	20.8	0.23	0.12	0.09	15	0.31	0.106	2.6	8.1	0.11	98.5	0.019
AHW932771	56.6	0.26	0.11	0.08	14	0.57	0.061	4.1	6.9	0.16	100.3	0.018

Sample Number	1F15 B ppm	1F15 Al %	1F15 Na %	1F15 K %	1F15 W ppm	1F15 Sc ppm	1F15 Tl ppm	1F15 S %	1F15 Hg ppb	1F15 Se ppm	1F15 Te ppm	1F15 Ga ppm	1F15 Cs ppm	1F15 Ge ppm	1F15 Hf ppm
AHP096169	1	1.11	0.005	0.06	<0.1	0.8	0.04	0.12	57	0.3	0.45	3.8	1.67	<0.1	<0.02
AHP096170	2	0.65	0.006	0.09	<0.1	0.8	0.03	0.08	47	0.3	0.09	2.3	1.93	<0.1	<0.02
AHP096171	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096173	7	0.52	0.005	0.09	<0.1	0.9	0.04	0.08	101	0.2	0.05	2	1.07	<0.1	<0.02
AHP096174	18	0.18	0.005	0.07	<0.1	0.5	0.03	0.22	149	0.2	0.22	0.6	1.1	<0.1	0.02
AHP096175	4	1.36	0.003	0.11	<0.1	1.1	0.08	0.1	40	0.3	1.47	5.4	6.49	<0.1	<0.02
AHP096176	3	0.65	0.008	0.05	0.1	1.4	0.16	0.18	96	1.2	0.15	1.8	4.24	<0.1	0.02
AHP096177	7	0.45	0.01	0.06	<0.1	0.3	0.12	0.12	85	0.7	0.25	2.7	3.73	<0.1	<0.02
AHP096179	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096180	10	0.07	0.01	0.06	<0.1	0.3	0.05	0.24	153	0.2	<0.02	0.2	0.78	<0.1	<0.02
AHP096181	10	0.41	0.007	0.09	<0.1	0.5	0.06	0.2	81	0.6	0.09	2	9.55	<0.1	<0.02
AHP096182	11	0.94	0.013	0.08	0.1	2.9	0.14	0.35	159	2.2	0.04	1.8	9.37	<0.1	0.07
AHP096184	8	1.9	0.012	0.12	<0.1	6.4	0.15	0.25	136	1.5	0.07	3.8	12.7	<0.1	0.12
AHP096185	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096187	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932772	<1	1.1	0.016	0.08	<0.1	1.7	0.08	0.11	44	0.4	0.05	2.9	2.54	<0.1	0.05
AHP932774	<1	3.26	0.01	0.15	<0.1	6.8	0.25	0.03	55	0.6	0.11	7.7	5.13	<0.1	0.1
AHP932775	2	0.52	0.01	0.05	<0.1	1.8	0.05	0.11	156	0.5	0.05	1.4	1.42	<0.1	0.02
AHP932776	1	0.34	0.005	0.05	<0.1	0.6	0.03	0.05	83	0.2	0.07	1.4	1.26	<0.1	<0.02
AHP932777	<1	0.54	0.008	0.05	<0.1	0.9	0.04	0.05	38	0.2	0.05	2	1.64	<0.1	<0.02
AHP932779	6	0.47	0.014	0.17	<0.1	0.8	0.04	0.15	155	0.5	0.06	1.4	0.89	<0.1	<0.02
AHP932780	8	0.32	0.007	0.09	0.2	0.5	0.03	0.21	103	0.3	0.05	1.2	0.87	<0.1	<0.02
AHP932781	4	0.47	0.008	0.05	<0.1	1	0.05	0.15	129	0.5	0.06	1.2	0.93	<0.1	0.04
AHP932782	4	0.97	0.009	0.07	2.2	1.9	0.09	0.12	128	0.8	0.09	2.3	1.11	<0.1	0.07
AHP932783	2	1.34	0.005	0.14	<0.1	2.5	0.09	0.09	48	0.4	0.08	3.6	2.23	<0.1	0.06
AHP932784	3	0.06	0.147	0.01	0.1	0.2	<0.02	0.29	<5	0.3	0.03	0.2	0.04	<0.1	<0.02
AHP932786	1	0.59	0.009	0.05	<0.1	0.8	0.05	0.09	54	0.2	0.06	2.2	1.83	<0.1	<0.02
AHP932787	4	0.35	0.008	0.08	<0.1	0.7	0.02	0.09	94	0.3	0.03	1.1	0.61	<0.1	<0.02
AHP932788	5	0.45	0.007	0.05	0.3	1	0.04	0.13	145	0.4	0.04	1	0.8	<0.1	0.05
AHP932789	1	2.49	0.011	0.1	0.2	5.7	0.13	0.06	83	0.5	0.14	5.8	2.43	<0.1	0.1

Sample Number	1F15 B ppm	1F15 Al %	1F15 Na %	1F15 K %	1F15 W ppm	1F15 Sc ppm	1F15 Tl ppm	1F15 S %	1F15 Hg ppb	1F15 Se ppm	1F15 Te ppm	1F15 Ga ppm	1F15 Cs ppm	1F15 Ge ppm	1F15 Hf ppm
AHP932790	3	0.96	0.022	0.61	10.3	6.5	0.48	2.38	139	6.4	1.16	3.8	2.55	0.1	0.07
AHP932792	<1	1.46	0.007	0.06	<0.1	2.8	0.08	0.04	84	0.4	0.08	3.4	1.38	<0.1	0.03
AHP932793	3	0.43	0.006	0.06	<0.1	0.8	0.05	0.05	116	0.3	<0.02	1.8	0.56	<0.1	<0.02
AHP932794	1	0.58	0.006	0.05	<0.1	1.1	0.08	0.03	100	0.3	0.02	2.1	0.87	<0.1	<0.02
AHP932795	2	0.31	0.007	0.06	<0.1	0.7	0.05	0.05	99	0.3	0.02	1.1	0.39	<0.1	<0.02
AHP932796	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932798	3	0.41	0.008	0.05	<0.1	1	0.05	0.17	203	0.4	0.04	1.1	1.04	<0.1	0.04
AHP932799	<1	0.86	0.013	0.06	<0.1	1.1	0.08	0.04	39	0.2	0.05	3	1.28	<0.1	<0.02
AHP932800	2	0.98	0.025	0.63	13.5	6.5	0.52	2.63	144	7.5	1.14	4.3	3.22	<0.1	0.06
AHW096151	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096152	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096153	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096154	3	0.16	0.011	0.11	<0.1	0.4	0.15	0.07	282	0.2	0.02	1	0.55	<0.1	<0.02
AHW096155	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096157	<1	1.92	0.009	0.07	0.1	3.9	0.16	0.06	143	0.8	0.07	5.8	1.22	0.2	0.03
AHW096158	<1	0.46	0.008	0.05	<0.1	1.1	0.03	0.02	78	0.1	0.05	3.4	0.55	<0.1	<0.02
AHW096159	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096160	<1	0.22	0.008	0.06	<0.1	0.7	<0.02	0.09	182	0.1	0.02	1.1	1.79	<0.1	<0.02
AHW096161	1	0.81	0.009	0.05	<0.1	0.9	0.03	0.06	106	0.1	<0.02	4.4	0.8	<0.1	0.04
AHW096162	<1	1.15	0.007	0.08	<0.1	1.3	0.14	0.03	124	<0.1	<0.02	3.9	0.86	<0.1	0.02
AHW096163	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096164	1	0.74	0.006	0.05	<0.1	1.3	0.06	0.02	86	<0.1	0.02	3.6	0.61	<0.1	<0.02
AHW096165	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096166	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096167	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096251	4	1.17	0.009	0.09	<0.1	1.5	0.09	0.11	314	0.2	<0.02	2.4	1.43	<0.1	<0.02
AHW096252	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096253	4	0.14	0.011	0.04	<0.1	0.4	0.03	0.08	139	0.1	0.02	0.9	0.54	<0.1	<0.02
AHW096254	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096255	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

Sample Number	1F15 B ppm	1F15 Al %	1F15 Na %	1F15 K %	1F15 W ppm	1F15 Sc ppm	1F15 Tl ppm	1F15 S %	1F15 Hg ppb	1F15 Se ppm	1F15 Te ppm	1F15 Ga ppm	1F15 Cs ppm	1F15 Ge ppm	1F15 Hf ppm
AHW096256	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096257	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096258	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096259	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096260	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096261	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096262	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096263	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096264	3	0.72	0.009	0.05	<0.1	1.3	0.04	0.04	95	0.1	<0.02	2.9	0.72	<0.1	<0.02
AHW096265	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932751	2	0.4	0.008	0.06	<0.1	0.7	0.04	0.03	82	<0.1	<0.02	2.7	0.74	<0.1	<0.02
AHW932752	4	0.23	0.009	0.1	<0.1	0.3	0.11	0.08	280	0.1	<0.02	1.4	0.73	<0.1	<0.02
AHW932753	1	0.44	0.01	0.04	0.1	0.2	0.03	0.03	54	<0.1	<0.02	2.4	0.53	<0.1	<0.02
AHW932754	3	0.32	0.009	0.08	<0.1	0.6	0.06	0.06	223	0.2	<0.02	1.8	0.67	<0.1	<0.02
AHW932755	2	0.33	0.009	0.07	<0.1	0.2	0.07	0.06	249	0.2	<0.02	1.9	0.64	<0.1	<0.02
AHW932757	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932758	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932759	2	0.28	0.008	0.06	<0.1	0.3	0.08	0.04	140	0.1	<0.02	1.9	0.89	<0.1	<0.02
AHW932760	2	0.62	0.008	0.07	0.1	1.1	0.05	0.05	123	0.3	0.02	3.3	0.71	<0.1	<0.02
AHW932761	3	0.45	0.01	0.05	<0.1	1	0.08	0.1	236	0.3	<0.02	1.1	0.44	<0.1	0.03
AHW932762	4	0.18	0.01	0.07	<0.1	0.8	0.03	0.07	222	0.3	<0.02	1	0.35	<0.1	<0.02
AHW932763	2	0.49	0.008	0.1	<0.1	0.6	0.07	0.07	168	0.2	0.03	2.6	0.84	<0.1	<0.02
AHW932764	4	0.2	0.01	0.07	<0.1	0.6	0.03	0.08	235	0.3	<0.02	1.1	0.51	<0.1	<0.02
AHW932765	2	1.08	0.007	0.1	<0.1	0.9	0.08	0.05	213	0.3	0.02	3.3	0.43	<0.1	0.03
AHW932766	3	1.3	0.061	0.11	0.1	3.2	0.16	0.17	285	0.5	<0.02	3.1	1.28	<0.1	0.03
AHW932767	2	0.04	0.069	<0.01	<0.1	0.1	<0.02	0.15	<5	0.2	0.02	0.1	0.03	<0.1	<0.02
AHW932769	4	0.12	0.007	0.06	<0.1	0.5	0.11	0.13	452	0.3	<0.02	0.3	0.38	<0.1	<0.02
AHW932770	2	0.79	0.007	0.06	<0.1	0.9	0.04	0.06	179	0.2	<0.02	2.1	0.68	<0.1	<0.02
AHW932771	2	0.49	0.013	0.05	<0.1	0.9	0.05	0.07	164	0.2	<0.02	1.7	0.49	<0.1	0.03

Sample Number	1F15 Nb ppm	1F15 Rb ppm	1F15 Sn ppm	1F15 Ta ppm	1F15 Zr ppm	1F15 Y ppm	1F15 Ce ppm	1F15 In ppm	1F15 Re ppb	1F15 Be ppm	1F15 Li ppm	1F15 Pb ppb	1F15 Pt ppb
AHP096169	1.5	13.9	0.3	<0.05	0.3	4.78	14.8	0.06	<1	0.7	4.7	<10	<2
AHP096170	0.58	16.7	0.2	<0.05	0.3	1.72	10.5	<0.02	<1	0.4	3.4	<10	<2
AHP096171	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096173	0.44	15.3	0.2	<0.05	0.6	1.74	8.8	<0.02	<1	0.3	3	<10	<2
AHP096174	0.26	7.8	<0.1	<0.05	0.5	1.1	2.6	<0.02	<1	<0.1	1.2	<10	<2
AHP096175	2.15	28.4	0.5	<0.05	0.4	5.01	15.9	0.03	<1	0.6	9.7	<10	<2
AHP096176	0.58	7.3	0.2	<0.05	0.8	61.05	37.3	<0.02	<1	0.5	1.6	<10	<2
AHP096177	1.24	12.1	0.4	<0.05	<0.1	1.45	4.7	0.02	<1	0.3	1.2	<10	<2
AHP096179	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096180	0.1	2.1	<0.1	<0.05	0.2	0.34	0.7	<0.02	1	<0.1	0.2	<10	<2
AHP096181	1.15	16.3	0.3	<0.05	0.1	1.54	7.2	<0.02	2	0.2	2.5	<10	<2
AHP096182	0.28	15.3	0.2	<0.05	2.4	7.38	6.1	0.03	34	0.3	9.7	<10	<2
AHP096184	0.5	28.8	0.4	<0.05	3.3	9.52	9.9	0.06	24	0.5	22.3	<10	<2
AHP096185	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096187	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932772	0.57	19.9	0.3	<0.05	0.8	11.46	21.7	0.03	<1	0.5	3.8	<10	<2
AHP932774	1.18	27.3	0.6	<0.05	2.5	31.74	57	0.08	1	1.5	8.6	<10	<2
AHP932775	0.45	10.1	0.2	<0.05	0.6	9.32	11.3	<0.02	1	0.3	1.3	<10	<2
AHP932776	0.36	8.3	0.2	<0.05	0.2	1.26	5.9	<0.02	<1	0.1	1.4	<10	<2
AHP932777	0.59	19.2	0.2	<0.05	0.3	2.96	9.8	0.02	<1	0.2	2	<10	<2
AHP932779	0.67	9.6	0.2	<0.05	0.4	4.52	7.2	0.02	4	0.2	2.2	<10	<2
AHP932780	0.74	8.7	0.2	<0.05	0.5	1.44	5.3	<0.02	1	0.1	1.8	<10	<2
AHP932781	0.4	6.4	0.2	<0.05	1.2	6.35	6.5	0.02	4	0.2	1.8	<10	<2
AHP932782	0.51	7.7	0.2	<0.05	1.8	21.75	15.9	0.04	5	0.5	3.5	<10	<2
AHP932783	0.65	22.4	0.3	<0.05	0.9	25.05	29.7	0.04	2	0.6	5.5	<10	<2
AHP932784	0.07	0.4	<0.1	<0.05	0.3	0.99	1.2	<0.02	<1	<0.1	0.7	<10	<2
AHP932786	0.65	15.4	0.2	<0.05	0.3	3.67	11.1	0.02	4	0.3	2.9	<10	<2

Sample Number	1F15 Nb ppm	1F15 Rb ppm	1F15 Sn ppm	1F15 Ta ppm	1F15 Zr ppm	1F15 Y ppm	1F15 Ce ppm	1F15 In ppm	1F15 Re ppb	1F15 Be ppm	1F15 Li ppm	1F15 Pb ppb	1F15 Pt ppb
AHP932787	0.31	4.2	0.2	<0.05	0.6	1.51	4.3	<0.02	<1	0.1	1.3	<10	<2
AHP932788	0.22	3.6	0.1	<0.05	1.3	18.88	9.5	<0.02	1	0.2	1.9	<10	<2
AHP932789	0.79	12.2	0.5	<0.05	2.8	22.08	27.5	0.07	6	0.9	10	<10	<2
AHP932790	0.09	35.2	1.8	<0.05	1.9	8.34	17.7	0.03	293	0.4	5	54	<2
AHP932792	0.45	7.8	0.3	<0.05	0.6	13.42	38.6	0.03	1	0.7	6	<10	<2
AHP932793	0.24	3.5	0.2	<0.05	<0.1	2.78	13.7	<0.02	<1	0.2	0.9	<10	<2
AHP932794	0.26	6.5	0.2	<0.05	0.2	1.85	11.8	<0.02	<1	0.3	1.4	<10	<2
AHP932795	0.19	3	0.1	<0.05	0.2	0.72	4.3	<0.02	<1	<0.1	0.9	<10	<2
AHP932796	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932798	0.23	5.9	0.3	<0.05	1.1	3.52	6.7	<0.02	2	0.1	2.4	<10	<2
AHP932799	0.46	8.8	0.3	<0.05	<0.1	2.09	10.6	0.02	<1	0.3	5.1	<10	<2
AHP932800	0.13	36.8	1.6	<0.05	1.8	9.18	21.7	<0.02	376	0.5	4.7	<10	<2
AHW096151	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096152	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096153	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096154	0.13	4.6	0.2	<0.05	0.2	0.44	4.5	<0.02	<1	<0.1	0.3	<10	<2
AHW096155	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096157	0.51	7.1	0.3	<0.05	0.9	44.48	83.5	0.03	<1	2	7.7	<10	<2
AHW096158	0.31	4.3	0.2	<0.05	0.3	1.08	8.5	<0.02	<1	0.2	1	*	<2
AHW096159	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096160	0.13	5.8	0.2	<0.05	0.4	0.68	5.6	<0.02	<1	0.1	0.6	<10	<2
AHW096161	0.43	5.2	0.3	<0.05	1.7	0.93	9.2	<0.02	<1	0.1	1.2	<10	<2
AHW096162	0.51	9.1	0.3	<0.05	0.8	2.73	11.7	<0.02	<1	0.2	3.4	<10	<2
AHW096163	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096164	0.34	3.9	0.3	<0.05	0.5	3.49	14.2	<0.02	<1	0.3	3	<10	<2
AHW096165	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096166	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096167	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096251	0.27	8.3	0.2	<0.05	0.2	14.76	35.2	0.02	1	0.5	3.6	<10	<2
AHW096252	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

Sample Number	1F15 Nb ppm	1F15 Rb ppm	1F15 Sn ppm	1F15 Ta ppm	1F15 Zr ppm	1F15 Y ppm	1F15 Ce ppm	1F15 In ppm	1F15 Re ppb	1F15 Be ppm	1F15 Li ppm	1F15 Pb ppb	1F15 Pt ppb
AHW096253	0.14	3.1	0.2	<0.05	0.2	0.49	3	<0.02	<1	<0.1	0.3	<10	<2
AHW096254	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096255	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096256	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096257	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096258	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096259	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096260	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096261	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096262	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096263	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096264	0.31	3.4	0.2	<0.05	0.2	4.59	12.6	<0.02	<1	0.1	2.7	<10	<2
AHW096265	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932751	0.37	4.8	0.3	<0.05	<0.1	0.96	7.1	<0.02	<1	<0.1	1.6	<10	<2
AHW932752	0.12	5.4	0.2	<0.05	<0.1	0.54	4.3	<0.02	1	<0.1	0.4	<10	<2
AHW932753	0.11	3.9	0.7	<0.05	<0.1	1.12	9	<0.02	<1	<0.1	0.6	<10	<2
AHW932754	0.26	5.4	0.2	<0.05	0.2	0.61	4.7	<0.02	<1	<0.1	0.7	<10	<2
AHW932755	0.15	5.4	0.3	<0.05	<0.1	0.8	6.1	<0.02	<1	<0.1	0.5	<10	<2
AHW932757	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932758	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932759	0.16	6.6	0.3	<0.05	<0.1	0.93	8	<0.02	<1	<0.1	0.6	<10	<2
AHW932760	0.52	5.7	0.5	<0.05	0.3	1.13	8.4	0.02	<1	0.1	2.1	<10	<2
AHW932761	0.19	3.1	0.2	<0.05	0.7	12.53	20.4	<0.02	<1	0.4	1.2	<10	<2
AHW932762	0.15	2.3	0.2	<0.05	0.6	0.61	3.7	<0.02	<1	0.1	0.3	<10	<2
AHW932763	0.46	5	0.4	<0.05	0.3	1.02	7.5	<0.02	<1	0.1	1.7	<10	<2
AHW932764	0.19	2.9	0.2	<0.05	0.3	0.69	4.6	<0.02	<1	<0.1	0.7	<10	<2
AHW932765	0.74	11.9	0.3	<0.05	1.5	1.93	10.7	<0.02	<1	0.3	2.2	<10	<2
AHW932766	0.37	11	0.3	<0.05	0.8	20.79	55.5	0.03	<1	0.7	5.6	<10	<2
AHW932767	0.05	0.3	<0.1	<0.05	0.2	0.54	0.8	<0.02	<1	<0.1	0.6	<10	<2
AHW932769	0.05	1.9	0.1	<0.05	0.2	0.47	1.1	<0.02	<1	<0.1	0.3	<10	<2

Sample Number	1F15 Nb ppm	1F15 Rb ppm	1F15 Sn ppm	1F15 Ta ppm	1F15 Zr ppm	1F15 Y ppm	1F15 Ce ppm	1F15 In ppm	1F15 Re ppb	1F15 Be ppm	1F15 Li ppm	1F15 Pb ppb	1F15 Pt ppb
AHW932770	0.42	6.7	0.2	<0.05	0.9	1.01	5.2	<0.02	<1	0.2	3	<10	<2
AHW932771	0.28	4.6	0.2	<0.05	1.1	2.66	5.4	<0.02	<1	0.1	2.1	<10	<2

Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **Lions Gate Metals**
880-609 Granville St. PO Box 10321, Pacific Centre
Vancouver BC V7Y 1G5 Canada

Submitted By:	Andrew Gourlay
Receiving Lab:	Canada-Smithers
Received:	July 21, 2011
Report Date:	August 19, 2011
Page:	1 of 3

CERTIFICATE OF ANALYSIS SMI11000192.1

CLIENT JOB INFORMATION

Project:	Poplar
Shipment ID:	
P.O. Number	
Number of Samples:	48

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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	46	Crush split and pulverize 250g drill core to 200 mesh			SMI
G601	48	Fire Assay fusion Au by ICP-ES	30	Completed	VAN
1EX	48	4 Acid digestion ICP-MS analysis	0.25	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Lions Gate Metals
880-609 Granville St. PO Box 10321,
Pacific Centre
Vancouver BC V7Y 1G5
Canada

CC: Lorie Farrell
Blair
A. Ross

BRITISH COLUMBIA CERTIFIED ASSAYER
RAYMOND CHAN
CHIEF ASSAYER

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All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Vancouver BC V7Y 1G5 Canada

Project: Poplar
Report Date: August 19, 2011

CERTIFICATE OF ANALYSIS SMI11000192.1

	Method	WGHT	G6	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1	0.1	0.1	1
TRP932901	Rock	0.85	<0.005	1.2	31.5	7.5	77	<0.1	18.8	10.0	525	3.65	2	1.8	<0.1	4.6	657	0.1	0.1	0.1	111
TRP932902	Rock	0.60	<0.005	1.1	29.0	6.3	73	<0.1	22.0	12.0	529	4.39	3	1.9	<0.1	4.7	605	<0.1	0.1	<0.1	113
RRP932903	Rock	0.28	<0.005	1.1	26.9	5.7	60	<0.1	23.8	15.0	491	4.35	3	1.9	<0.1	4.5	674	0.1	0.1	<0.1	121
RRP932904	Rock	0.22	<0.005	0.6	12.2	7.2	81	<0.1	3.2	12.5	1137	5.64	5	2.4	<0.1	6.5	461	<0.1	0.2	<0.1	132
RRP932905	Rock	0.30	<0.005	0.7	10.9	7.7	97	<0.1	4.7	15.0	875	6.36	4	2.4	<0.1	6.2	336	<0.1	0.3	<0.1	163
RRP932906	Rock	0.68	<0.005	0.9	27.6	6.3	38	<0.1	14.0	9.2	108	2.62	2	2.1	<0.1	5.1	687	<0.1	<0.1	<0.1	179
RRP932907	Rock	0.63	0.008	1.2	11.3	5.4	63	<0.1	3.0	10.0	927	3.85	1	3.0	<0.1	5.9	433	<0.1	0.1	<0.1	88
RRP932908	Rock	0.69	<0.005	1.0	10.8	5.0	50	<0.1	2.8	8.9	995	3.72	3	3.1	<0.1	6.4	449	<0.1	0.1	<0.1	87
RRP932909	Rock	0.64	<0.005	0.1	12.1	9.3	83	<0.1	3.5	7.9	1194	3.17	7	0.6	<0.1	1.7	251	0.2	1.0	<0.1	79
RRP932910	Rock	1.12	<0.005	0.6	14.8	7.0	72	<0.1	2.9	11.3	1062	4.05	7	2.3	<0.1	5.4	483	<0.1	0.3	0.1	102
RRP932911	Rock	0.99	<0.005	0.4	151.0	5.6	464	0.5	13.3	19.2	1267	5.58	2	0.5	<0.1	0.8	209	2.8	2.5	1.2	114
RRP932912	Rock	0.67	<0.005	0.4	45.6	7.6	73	0.1	120.7	29.6	1089	5.22	4	0.5	<0.1	1.4	924	0.2	0.8	<0.1	186
RRP932913	Rock	0.55	<0.005	1.2	12.3	12.5	75	<0.1	21.0	9.2	628	2.79	2	3.4	<0.1	8.0	655	0.3	0.2	<0.1	63
RRP932914	Rock	0.74	<0.005	0.4	10.9	7.4	25	<0.1	2.7	2.9	339	1.63	2	2.1	<0.1	11.1	282	<0.1	0.4	0.4	23
RRP932915	Rock	0.62	<0.005	1.5	8.6	18.0	69	0.1	9.7	7.2	617	2.48	2	10.5	<0.1	29.4	433	0.1	0.2	0.3	56
RRP932916	Rock	1.81	<0.005	0.5	45.7	3.5	63	<0.1	82.2	24.1	604	5.39	4	0.4	<0.1	1.6	525	0.1	0.2	<0.1	164
RRP932917	Rock	1.26	<0.005	1.4	85.4	14.7	105	<0.1	64.1	24.8	934	5.64	3	2.6	<0.1	7.1	998	0.2	0.2	<0.1	195
RRP932918	Rock	0.95	<0.005	0.4	22.5	7.5	43	<0.1	2.1	5.6	661	1.91	10	3.2	<0.1	6.3	461	0.1	0.3	0.2	91
RRP932919	Rock Pulp	0.10	0.882	147.9	3547	43.1	118	4.3	24.8	18.7	491	5.00	62	1.0	1.6	2.9	247	1.0	7.6	0.6	174
RRP932920	Rock	0.65	0.006	0.9	5.8	16.5	49	<0.1	2.8	1.1	216	1.04	4	4.4	<0.1	10.3	115	<0.1	1.6	0.3	8
RRP932921	Rock	0.80	0.012	0.1	18.5	5.2	139	0.1	41.4	60.5	879	8.39	7	3.3	<0.1	1.4	142	0.2	1.3	4.7	198
RRP932922	Rock	0.48	0.013	0.1	6.7	4.1	65	0.1	175.7	37.8	990	7.53	8	0.6	<0.1	0.7	425	0.2	1.3	2.7	179
RRP932923	Rock	1.38	0.007	0.2	15.4	5.2	18	0.1	52.7	9.0	58	4.59	12	1.0	<0.1	2.3	66	<0.1	0.9	0.9	162
RRP932924	Rock	0.81	0.007	0.2	105.6	4.0	51	0.1	54.6	12.8	942	4.78	8	0.5	<0.1	1.7	209	0.2	1.2	1.7	156
RRP932925	Rock	0.72	<0.005	<0.1	0.4	<0.1	<1	<0.1	<0.1	0.4	30	0.07	2	2.0	<0.1	<0.1	4401	<0.1	<0.1	<0.1	<1
RRP932926	Rock	0.42	0.018	21.3	27.1	3.7	18	0.6	0.9	1.7	142	2.89	2	1.1	<0.1	3.0	170	0.2	0.5	1.3	85
RRP095401	Rock	0.49	<0.005	0.3	1.7	4.7	62	<0.1	2.5	2.2	1214	1.66	<1	3.0	<0.1	7.1	210	0.3	0.5	<0.1	8
RRP095402	Rock	0.72	<0.005	0.9	72.2	4.4	76	<0.1	27.3	24.0	1409	6.02	7	0.5	<0.1	1.2	318	0.3	1.8	<0.1	267
RRP095404	Rock	1.19	0.006	0.5	23.8	5.8	61	<0.1	9.7	9.9	793	2.84	11	2.2	<0.1	5.8	572	<0.1	0.1	<0.1	79
RRP095405	Rock	0.75	<0.005	0.2	30.9	2.2	45	<0.1	25.3	14.0	895	4.34	3	0.3	<0.1	1.6	126	0.1	0.4	0.4	176

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Client: **Lions Gate Metals**
880-609 Granville St. PO Box 10321, Pacific Centre
Vancouver BC V7Y 1G5 Canada

Project: Poplar
Report Date: August 19, 2011

CERTIFICATE OF ANALYSIS SMI11000192.1

	Method	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1
TRP932901	Rock	2.53	0.160	19.0	36	0.33	1226	0.425	7.98	3.286	2.43	0.5	144.8	40	3.0	11.6	8.3	0.5	2	9	11.5
TRP932902	Rock	2.48	0.132	20.6	36	0.36	1160	0.406	7.85	3.346	2.86	0.4	132.0	41	0.8	12.3	7.4	0.5	2	10	5.8
RRP932903	Rock	3.16	0.143	20.4	40	0.91	1045	0.419	8.10	3.459	1.97	0.4	129.7	42	0.8	13.4	7.6	0.5	<1	11	5.9
RRP932904	Rock	2.24	0.127	16.2	4	0.68	1643	0.390	8.19	3.167	2.53	0.9	119.8	33	0.9	19.3	7.0	0.5	1	10	14.8
RRP932905	Rock	1.35	0.133	14.8	4	0.60	1368	0.373	8.19	3.085	2.37	1.1	112.4	30	0.8	15.0	7.0	0.5	1	13	13.0
RRP932906	Rock	2.89	0.204	27.2	45	0.22	1180	0.666	8.73	3.267	2.68	0.5	144.4	57	0.9	16.7	9.5	0.5	1	13	3.4
RRP932907	Rock	2.95	0.109	18.0	5	0.70	1035	0.300	7.47	3.273	1.99	0.3	34.0	36	0.9	15.4	6.7	0.5	<1	7	13.1
RRP932908	Rock	3.44	0.110	19.8	5	0.54	995	0.310	7.34	3.047	2.12	0.4	33.9	39	0.9	17.8	7.0	0.5	<1	7	10.4
RRP932909	Rock	2.51	0.053	10.7	5	0.73	217	0.297	6.90	3.687	0.64	0.5	38.4	24	0.8	22.6	2.6	0.1	<1	13	14.5
RRP932910	Rock	2.64	0.122	16.7	4	1.10	1125	0.348	7.85	3.598	2.17	0.7	55.7	34	0.8	16.3	7.2	0.5	<1	9	16.0
RRP932911	Rock	2.33	0.052	5.8	10	1.21	787	0.457	6.44	1.110	2.27	2.2	5.7	15	1.2	23.3	1.5	<0.1	<1	26	30.8
RRP932912	Rock	3.97	0.108	15.7	170	3.74	1147	0.494	8.25	3.238	0.74	<0.1	53.4	34	0.7	17.2	4.1	0.2	<1	18	21.6
RRP932913	Rock	2.03	0.108	44.2	23	0.85	1874	0.328	7.44	3.439	2.86	1.1	209.1	90	1.0	19.7	11.1	0.7	2	7	9.2
RRP932914	Rock	1.03	0.048	29.2	5	0.40	1377	0.171	7.67	3.238	3.27	0.9	9.9	54	0.9	12.6	8.3	0.6	1	4	13.6
RRP932915	Rock	1.73	0.093	49.6	10	0.69	1361	0.350	8.17	3.162	4.07	7.6	51.2	102	2.2	27.2	23.5	2.3	4	7	30.8
RRP932916	Rock	3.63	0.137	18.9	90	3.67	219	0.592	8.64	2.281	0.26	0.3	38.8	40	1.1	18.4	6.6	0.4	<1	18	73.8
RRP932917	Rock	4.32	0.427	57.9	57	2.16	1514	0.892	8.41	3.358	1.55	0.6	236.5	123	1.8	27.1	15.1	0.7	2	14	8.6
RRP932918	Rock	1.96	0.113	15.2	4	0.19	1582	0.354	8.19	3.002	2.81	0.8	97.3	33	0.7	15.6	6.9	0.5	<1	7	13.4
RRP932919	Rock Pulp	0.50	0.106	18.4	42	0.84	260	0.229	6.91	1.120	4.15	24.0	21.7	35	2.8	12.9	3.0	0.2	2	13	10.3
RRP932920	Rock	0.21	0.014	38.0	4	0.11	1884	0.103	6.76	2.353	3.76	1.8	83.0	78	1.4	17.9	14.7	0.8	2	3	11.5
RRP932921	Rock	1.70	0.089	5.6	71	3.16	46	0.497	7.23	1.969	1.51	53.2	19.9	13	7.8	24.4	1.8	0.1	1	25	22.0
RRP932922	Rock	3.19	0.136	12.3	175	5.26	234	0.618	8.47	1.223	1.68	6.2	38.2	31	1.9	18.1	4.9	0.3	<1	22	14.1
RRP932923	Rock	0.14	0.020	7.3	97	1.75	256	0.080	11.58	0.562	3.61	11.1	23.5	17	1.9	5.9	0.5	<0.1	<1	22	12.7
RRP932924	Rock	2.99	0.064	6.4	68	2.18	243	0.404	7.86	3.914	1.11	1.7	16.5	14	1.4	20.1	2.2	0.1	<1	24	8.6
RRP932925	Rock	35.01	0.003	0.6	<1	1.55	11	0.002	0.06	0.012	<0.01	<0.1	0.3	<1	<0.1	0.2	<0.1	<0.1	<1	<1	0.1
RRP932926	Rock	0.42	0.022	6.7	4	0.85	949	0.129	7.13	1.755	2.77	6.0	19.0	12	2.8	1.8	2.1	0.1	<1	8	12.9
RRP095401	Rock	1.09	0.023	18.7	<1	0.27	697	0.102	7.26	3.055	1.81	0.5	87.6	36	0.4	12.6	7.9	0.6	1	<1	7.4
RRP095402	Rock	4.59	0.194	17.9	35	2.35	203	0.988	8.15	4.851	0.36	0.2	87.1	42	1.0	27.7	9.9	0.6	1	25	26.9
RRP095404	Rock	2.24	0.108	18.6	18	1.08	1254	0.310	7.57	3.481	2.20	0.3	68.1	36	0.7	14.0	8.2	0.6	<1	8	15.8
RRP095405	Rock	4.23	0.064	9.0	66	1.99	1288	0.436	8.04	1.678	1.67	0.5	9.7	21	0.8	22.2	2.3	0.1	<1	27	11.0

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Vancouver BC V7Y 1G5 Canada

Project: Poplar
Report Date: August 19, 2011

CERTIFICATE OF ANALYSIS SMI11000192.1

	Method	1EX	1EX	1EX
	Analyte	S	Rb	Hf
	Unit	%	ppm	ppm
	MDL	0.1	0.1	0.1
TRP932901	Rock	<0.1	73.4	3.5
TRP932902	Rock	<0.1	105.4	3.4
RRP932903	Rock	<0.1	59.6	3.5
RRP932904	Rock	<0.1	82.6	3.6
RRP932905	Rock	<0.1	87.5	3.1
RRP932906	Rock	<0.1	56.1	3.8
RRP932907	Rock	<0.1	70.3	1.3
RRP932908	Rock	<0.1	69.7	1.4
RRP932909	Rock	<0.1	22.5	1.5
RRP932910	Rock	<0.1	68.8	1.8
RRP932911	Rock	0.7	112.6	0.2
RRP932912	Rock	<0.1	9.2	2.0
RRP932913	Rock	<0.1	71.6	5.3
RRP932914	Rock	<0.1	112.5	0.6
RRP932915	Rock	<0.1	189.2	2.1
RRP932916	Rock	0.3	5.6	1.3
RRP932917	Rock	<0.1	38.1	5.5
RRP932918	Rock	<0.1	91.6	2.9
RRP932919	Rock Pulp	2.6	89.2	0.8
RRP932920	Rock	<0.1	106.6	3.0
RRP932921	Rock	5.4	156.6	0.9
RRP932922	Rock	4.9	115.6	1.3
RRP932923	Rock	2.3	141.9	0.5
RRP932924	Rock	1.4	89.7	0.5
RRP932925	Rock	<0.1	0.5	<0.1
RRP932926	Rock	0.1	153.0	0.8
RRP095401	Rock	<0.1	55.6	2.7
RRP095402	Rock	<0.1	8.7	2.4
RRP095404	Rock	<0.1	74.2	2.3
RRP095405	Rock	0.4	89.2	0.4

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Project: Poplar
Report Date: August 19, 2011

CERTIFICATE OF ANALYSIS SMI11000192.1

	Method	WGHT	G6	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1	0.1	0.1	1
RCP095501	Rock	1.68	0.014	0.6	8.9	3.8	93	0.1	13.2	15.6	1460	5.78	28	0.6	<0.1	1.7	194	<0.1	1.3	3.9	264
RCP095502	Rock	1.18	<0.005	0.6	17.3	5.1	48	<0.1	0.7	4.6	880	3.45	5	0.6	<0.1	1.2	202	0.1	1.7	0.3	21
RCP095503	Rock	0.53	0.011	0.7	30.3	7.9	62	0.2	111.1	23.5	1190	4.88	23	0.2	<0.1	0.4	325	0.1	2.6	1.2	169
RCP095504	Rock	0.18	<0.005	1.0	45.2	4.2	67	<0.1	36.7	7.0	259	3.22	9	1.2	<0.1	3.6	201	<0.1	0.5	0.2	89
RCP095505	Rock	0.76	0.006	0.6	10.7	3.1	73	0.1	7.1	3.4	899	3.79	10	2.8	<0.1	5.1	120	<0.1	1.3	0.7	105
RCP095506	Rock	0.34	0.018	81.5	24.6	14.5	18	0.2	1.7	4.9	243	2.52	4	2.9	<0.1	6.9	192	0.1	1.2	0.6	60
RCP095507	Rock	0.41	<0.005	0.3	21.4	5.6	93	<0.1	4.2	4.9	1429	2.22	4	0.9	<0.1	2.5	234	0.3	0.4	<0.1	30
RCP095508	Rock	0.56	<0.005	0.5	14.4	5.4	65	<0.1	10.3	15.7	1403	7.31	13	0.6	<0.1	1.6	222	0.3	2.0	0.2	301
RCP095509	Rock	0.63	<0.005	0.2	88.6	2.3	66	<0.1	7.6	17.8	1091	7.88	4	0.8	<0.1	1.6	180	0.1	1.2	0.2	390
RCP095510	Rock	0.88	0.008	0.7	11.9	3.5	42	0.1	91.6	15.5	938	4.35	12	1.0	<0.1	2.3	320	<0.1	1.7	1.7	147
RCP095511	Rock	0.90	<0.005	0.8	25.0	3.8	75	<0.1	11.3	2.1	1343	4.82	8	2.3	<0.1	5.2	383	<0.1	4.7	0.2	111
RCP095512	Rock	1.33	0.008	3.5	27.0	5.0	66	1.3	47.8	20.7	715	7.57	10	1.6	<0.1	2.5	171	<0.1	0.9	6.1	136
RCP932927	Rock	0.83	<0.005	<0.1	6.0	9.6	97	0.1	98.8	23.2	1205	5.82	16	1.0	<0.1	3.3	416	0.2	2.1	0.9	125
RCP932928	Rock	1.24	<0.005	0.4	27.3	3.4	57	0.1	3.8	30.1	1061	5.70	3	0.8	<0.1	1.4	300	0.1	1.1	0.7	300
RAP932929	Rock	0.24	<0.005	0.9	73.9	7.7	34	0.2	2.9	1.9	391	1.95	2	3.0	<0.1	8.2	454	0.1	1.3	1.0	46
RAP932930	Rock	1.01	0.008	2.1	71.7	5.5	50	0.2	2.4	1.6	117	29.70	4	0.5	<0.1	1.1	41	<0.1	1.5	0.9	66
095327	Rock	0.80	<0.005	<0.1	0.1	<0.1	<1	0.2	<0.1	0.3	25	0.04	<1	1.2	<0.1	<0.1	3954	<0.1	<0.1	<0.1	<1
095328	Rock Pulp	0.10	1.010	158.5	3507	40.7	115	3.5	24.8	18.2	485	4.85	60	1.1	0.8	2.9	209	0.7	7.3	0.5	170

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880-609 Granville St. PO Box 10321, Pacific Centre
Vancouver BC V7Y 1G5 Canada

Project: Poplar
Report Date: August 19, 2011

CERTIFICATE OF ANALYSIS SMI11000192.1

	Method	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1
RCP095501	Rock	4.15	0.090	7.1	23	3.65	194	0.563	7.79	2.959	0.83	1.2	29.5	16	1.1	22.5	1.8	0.1	<1	32	14.4
RCP095502	Rock	1.98	0.080	10.0	2	0.64	275	0.373	6.59	3.973	0.71	1.4	30.0	23	1.2	36.0	2.0	<0.1	<1	17	12.9
RCP095503	Rock	3.76	0.120	9.6	182	3.32	310	0.606	6.00	1.462	0.99	0.1	39.3	23	1.4	19.1	4.9	0.3	<1	19	6.9
RCP095504	Rock	0.35	0.034	7.8	63	0.93	574	0.238	6.12	1.926	1.08	0.7	41.7	15	1.1	6.8	5.1	0.3	1	9	34.3
RCP095505	Rock	0.07	0.090	21.0	25	2.37	2042	0.070	7.69	1.106	2.39	0.2	73.3	44	0.6	5.1	0.7	<0.1	<1	9	8.2
RCP095506	Rock	0.32	0.047	19.3	12	0.40	1191	0.186	7.44	2.380	2.81	2.6	50.9	34	1.7	8.1	4.5	0.3	1	7	7.1
RCP095507	Rock	1.33	0.058	17.6	10	0.52	678	0.279	7.36	3.084	1.78	0.3	54.8	37	1.0	20.7	4.3	0.2	1	9	23.5
RCP095508	Rock	5.21	0.091	9.3	15	2.05	70	0.664	7.60	2.538	0.48	0.6	19.3	21	0.8	24.3	2.0	0.1	1	34	3.9
RCP095509	Rock	3.46	0.077	10.0	17	3.21	285	0.708	7.95	3.404	1.54	2.2	17.6	20	1.8	22.0	1.8	0.1	<1	34	15.4
RCP095510	Rock	2.16	0.122	19.5	130	3.98	137	0.307	8.12	4.862	0.66	3.8	102.7	41	1.2	20.6	3.5	0.2	<1	23	8.0
RCP095511	Rock	2.68	0.104	21.6	25	1.20	1521	0.360	7.89	2.835	2.53	0.5	40.6	41	0.9	16.3	7.2	0.5	1	10	10.0
RCP095512	Rock	0.36	0.116	24.0	85	2.19	139	0.332	7.14	3.152	2.23	6.9	27.9	48	3.5	15.5	3.0	0.2	<1	17	14.1
RCP932927	Rock	4.05	0.077	33.3	105	2.15	792	0.607	8.64	2.929	2.32	1.1	15.0	76	2.8	25.0	5.3	0.3	<1	21	16.0
RCP932928	Rock	6.56	0.095	7.9	12	3.21	59	0.719	8.09	3.268	0.28	2.1	21.1	18	1.6	30.0	1.9	<0.1	<1	39	2.5
RAP932929	Rock	1.03	0.081	49.3	5	0.43	2744	0.352	7.70	3.261	2.69	1.3	90.6	97	1.6	17.3	14.1	0.7	3	4	11.1
RAP932930	Rock	0.13	0.017	4.7	20	0.21	333	0.149	3.40	0.423	1.34	2.5	21.0	9	1.1	2.5	1.9	0.1	1	6	5.8
095327	Rock	38.43	0.004	0.4	4	1.91	4	0.001	<0.01	0.009	<0.01	<0.1	0.4	<1	<0.1	0.2	0.2	<0.1	<1	<1	0.3
095328	Rock Pulp	0.45	0.103	16.2	41	0.83	45	0.218	6.87	1.075	4.47	23.1	20.3	33	2.7	13.2	2.9	0.2	1	13	11.3

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Vancouver BC V7Y 1G5 Canada

Project: Poplar
Report Date: August 19, 2011

CERTIFICATE OF ANALYSIS SMI11000192.1

	Method	1EX	1EX	1EX
	Analyte	S	Rb	Hf
	Unit	%	ppm	ppm
	MDL	0.1	0.1	0.1
RCP095501	Rock	1.6	56.6	1.5
RCP095502	Rock	0.2	31.3	1.3
RCP095503	Rock	1.4	54.3	1.2
RCP095504	Rock	<0.1	45.5	1.5
RCP095505	Rock	0.5	81.4	2.2
RCP095506	Rock	0.2	180.5	1.7
RCP095507	Rock	<0.1	52.0	1.7
RCP095508	Rock	<0.1	41.1	0.8
RCP095509	Rock	0.2	143.8	0.7
RCP095510	Rock	1.9	39.3	2.7
RCP095511	Rock	<0.1	176.5	1.2
RCP095512	Rock	2.5	211.4	0.8
RCP932927	Rock	0.4	243.0	0.6
RCP932928	Rock	2.7	22.3	1.0
RAP932929	Rock	<0.1	136.6	2.3
RAP932930	Rock	0.9	51.4	0.7
095327	Rock	<0.1	<0.1	<0.1
095328	Rock Pulp	2.9	147.9	0.6

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Project: Poplar
Report Date: August 19, 2011

QUALITY CONTROL REPORT SMI11000192.1

	Method	WGHT	G6	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
	Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	Unit	kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1	0.1	0.1	1
Pulp Duplicates																					
RRP932913	Rock	0.55	<0.005	1.2	12.3	12.5	75	<0.1	21.0	9.2	628	2.79	2	3.4	<0.1	8.0	655	0.3	0.2	<0.1	63
REP RRP932913	QC		<0.005																		
RRP932918	Rock	0.95	<0.005	0.4	22.5	7.5	43	<0.1	2.1	5.6	661	1.91	10	3.2	<0.1	6.3	461	0.1	0.3	0.2	91
REP RRP932918	QC			0.3	22.0	7.9	45	<0.1	1.5	5.7	657	1.92	10	3.2	<0.1	6.3	478	<0.1	0.3	0.1	90
Core Reject Duplicates																					
RRP932911	Rock	0.99	<0.005	0.4	151.0	5.6	464	0.5	13.3	19.2	1267	5.58	2	0.5	<0.1	0.8	209	2.8	2.5	1.2	114
DUP RRP932911	QC		<0.005	0.4	156.0	6.3	377	0.6	13.5	18.7	1320	5.76	3	0.4	<0.1	0.9	219	1.9	2.3	1.1	118
RAP932930	Rock	1.01	0.008	2.1	71.7	5.5	50	0.2	2.4	1.6	117	29.70	4	0.5	<0.1	1.1	41	<0.1	1.5	0.9	66
DUP RAP932930	QC		<0.005	2.0	76.6	5.5	53	0.3	2.7	1.7	130	30.96	4	0.6	<0.1	1.2	46	<0.1	1.4	0.8	69
Reference Materials																					
STD OREAS24P	Standard			1.4	46.3	2.5	110	<0.1	134.2	43.1	1090	7.37	2	0.5	<0.1	2.7	380	0.1	<0.1	<0.1	159
STD OREAS24P	Standard			1.3	48.3	2.4	111	<0.1	136.6	43.8	1141	7.14	1	0.7	<0.1	2.5	381	0.2	<0.1	<0.1	159
STD OREAS45C	Standard			2.1	569.6	22.8	77	0.4	316.4	102.4	1088	19.29	11	2.1	<0.1	9.8	37	0.2	0.8	0.2	251
STD OREAS45C	Standard			2.1	591.6	21.2	82	0.3	333.5	100.4	1160	17.53	11	2.1	<0.1	10.0	36	0.1	0.9	0.3	250
STD OXH82	Standard		1.318																		
STD OXH82	Standard		1.195																		
STD OXK79	Standard		3.824																		
STD OXK79	Standard		3.472																		
STD OXH82 Expected			1.278																		
STD OXK79 Expected			3.532																		
STD OREAS24P Expected				1.5	52	2.9	119	0.06	141	44	1100	7.53	1.2	0.75		2.85	403	0.15	0.09		158
STD OREAS45C Expected				2.26	620	24	83	0.28	333	104	1160	18.33	10.1	2.4	0.045	10.2	36.4	0.15	0.79	0.21	270
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.2	<1	<0.01	<1	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1

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Project: Poplar
Report Date: August 19, 2011

QUALITY CONTROL REPORT SMI11000192.1

	Method	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
	Analyte	Ca	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li
	Unit	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.01	0.001	0.1	1	0.01	1	0.001	0.01	0.001	0.01	0.1	0.1	1	0.1	0.1	0.1	0.1	1	1	0.1
Pulp Duplicates																					
RRP932913	Rock	2.03	0.108	44.2	23	0.85	1874	0.328	7.44	3.439	2.86	1.1	209.1	90	1.0	19.7	11.1	0.7	2	7	9.2
REP RRP932913	QC																				
RRP932918	Rock	1.96	0.113	15.2	4	0.19	1582	0.354	8.19	3.002	2.81	0.8	97.3	33	0.7	15.6	6.9	0.5	<1	7	13.4
REP RRP932918	QC	1.91	0.116	15.5	4	0.20	1625	0.350	7.91	2.969	2.77	0.8	98.3	34	0.7	16.2	7.0	0.5	2	7	12.4
Core Reject Duplicates																					
RRP932911	Rock	2.33	0.052	5.8	10	1.21	787	0.457	6.44	1.110	2.27	2.2	5.7	15	1.2	23.3	1.5	<0.1	<1	26	30.8
DUP RRP932911	QC	2.44	0.054	6.1	11	1.27	986	0.478	6.74	1.147	2.42	2.8	5.4	16	1.4	24.2	1.5	<0.1	<1	28	32.0
RAP932930	Rock	0.13	0.017	4.7	20	0.21	333	0.149	3.40	0.423	1.34	2.5	21.0	9	1.1	2.5	1.9	0.1	1	6	5.8
DUP RAP932930	QC	0.13	0.019	4.5	22	0.21	317	0.159	3.27	0.431	1.32	2.6	21.5	9	1.0	2.4	2.0	0.1	<1	6	6.6
Reference Materials																					
STD OREAS24P	Standard	5.48	0.130	17.8	197	4.09	276	1.011	7.49	2.581	0.68	0.4	131.7	37	1.6	20.5	18.2	0.9	1	19	7.0
STD OREAS24P	Standard	6.26	0.130	17.8	210	4.17	271	1.111	7.42	2.487	0.66	0.4	131.7	36	1.6	21.4	18.9	1.1	1	21	8.2
STD OREAS45C	Standard	0.47	0.052	24.6	935	0.25	267	1.057	6.81	0.102	0.35	1.1	159.9	50	2.6	11.8	21.7	1.4	<1	55	15.5
STD OREAS45C	Standard	0.48	0.051	26.2	891	0.25	272	1.152	6.87	0.102	0.35	1.1	158.6	51	2.8	11.8	21.1	1.4	<1	58	16.5
STD OXH82	Standard																				
STD OXH82	Standard																				
STD OXK79	Standard																				
STD OXK79	Standard																				
STD OXH82 Expected																					
STD OXK79 Expected																					
STD OREAS24P Expected		5.83	0.136	17.4	196	4.13	285	1.1	7.66	2.34	0.7	0.5	141	37.6	1.6	21.3	21	1.04		20	8.7
STD OREAS45C Expected		0.482	0.051	26.2	962	0.25	270	1.1313	7.59	0.097	0.36	1.06	169.7	54	2.9	12.9	23.05	1.43		59.03	15.69
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	0.005	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1
BLK	Blank	<0.01	<0.001	<0.1	<1	<0.01	<1	<0.001	<0.01	<0.001	<0.01	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<0.1	<1	<1	<0.1

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Project: Poplar
Report Date: August 19, 2011

QUALITY CONTROL REPORT SMI11000192.1

	Method	1EX	1EX	1EX
	Analyte	S	Rb	Hf
	Unit	%	ppm	ppm
	MDL	0.1	0.1	0.1
Pulp Duplicates				
RRP932913	Rock	<0.1	71.6	5.3
REP RRP932913	QC			
RRP932918	Rock	<0.1	91.6	2.9
REP RRP932918	QC	<0.1	94.7	2.8
Core Reject Duplicates				
RRP932911	Rock	0.7	112.6	0.2
DUP RRP932911	QC	0.6	117.6	0.3
RAP932930	Rock	0.9	51.4	0.7
DUP RAP932930	QC	0.9	49.0	0.6
Reference Materials				
STD OREAS24P	Standard	<0.1	21.5	3.4
STD OREAS24P	Standard	<0.1	20.9	3.1
STD OREAS45C	Standard	<0.1	23.4	4.4
STD OREAS45C	Standard	<0.1	23.7	4.4
STD OXH82	Standard			
STD OXH82	Standard			
STD OXK79	Standard			
STD OXK79	Standard			
STD OXH82 Expected				
STD OXK79 Expected				
STD OREAS24P Expected			22.4	3.6
STD OREAS45C Expected		0.021	24	4.27
BLK	Blank			
BLK	Blank			
BLK	Blank			
BLK	Blank			
BLK	Blank	<0.1	<0.1	<0.1
BLK	Blank	<0.1	<0.1	<0.1

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Client: **Lions Gate Metals**
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Vancouver BC V7Y 1G5 Canada

Project: Poplar
Report Date: August 19, 2011

QUALITY CONTROL REPORT SMI11000192.1

		WGHT	G6	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX	1EX
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
		kg	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.2	1	0.01	1	0.1	0.1	0.1	1	0.1	0.1	0.1	1
Prep Wash																					
G1	Prep Blank		<0.005	0.3	4.5	18.9	51	<0.1	2.9	4.7	731	2.50	1	3.9	<0.1	10.9	800	<0.1	0.1	0.3	52
G1	Prep Blank		<0.005	0.2	4.7	17.7	51	<0.1	3.1	5.0	754	2.47	2	3.2	<0.1	9.2	755	<0.1	<0.1	0.2	53

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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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QUALITY CONTROL REPORT SMI11000192.1

		1EX Ca % 0.01	1EX P % 0.001	1EX La ppm 0.1	1EX Cr ppm 1	1EX Mg % 0.01	1EX Ba ppm 1	1EX Ti % 0.001	1EX Al % 0.01	1EX Na % 0.001	1EX K % 0.01	1EX W ppm 0.1	1EX Zr ppm 0.1	1EX Ce ppm 1	1EX Sn ppm 0.1	1EX Y ppm 0.1	1EX Nb ppm 0.1	1EX Ta ppm 0.1	1EX Be ppm 1	1EX Sc ppm 1	1EX Li ppm 0.1
Prep Wash																					
G1	Prep Blank	2.57	0.090	35.4	6	0.66	1003	0.254	8.20	2.910	3.11	0.3	9.5	68	1.6	18.5	26.1	1.3	4	5	38.7
G1	Prep Blank	2.48	0.089	31.2	7	0.67	989	0.251	7.75	2.935	3.16	0.3	10.1	64	1.7	15.8	24.9	1.3	4	5	39.5

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QUALITY CONTROL REPORT SMI11000192.1

		1EX S % 0.1	1EX Rb ppm 0.1	1EX Hf ppm 0.1
Prep Wash				
G1	Prep Blank	<0.1	133.6	0.6
G1	Prep Blank	<0.1	129.5	0.6

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Submitted By: Andrew Gourlay
Receiving Lab: Canada-Smithers
Received: August 03, 2011
Report Date: November 07, 2011

CERTIFICATE OF ANALYSIS SMI11000229.1

CLIENT JOB INFORMATION

Project: Poplar Regional
Shipment ID: PRG shipment 1
P.O. Number
Number of Samples: 148

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.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Sort	146	Sorting of samples on arrival			VAN
Split Pulp	146	Analysis sample split/packet			VAN
Split Reject	141	Reject sample split/packet			VAN
RJSV	141	Saving all or part of Soil Reject			VAN
CLSP	141	Clay separation and hand pulverizing with acetone wash in		Completed	VAN
Special Prep	141	Special Handling - see Job Notes			VAN
1F04	146	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Lions Gate Metals Inc.
880 - 609 Granville St.
Vancouver BC V7Y 1G5
Canada

CC: Lorie Farrell

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 07, 2011

CERTIFICATE OF ANALYSIS SMI11000229.1

	Method	WGHT	CLSP	CLSP	CLSP	CLSP	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Wgt	Total Wt	Clay R-1	Clay R-2	total Clay	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
	Unit	kg	g	g	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	0.01	0.01	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
TRP932801	Till	4.15		3.96	<0.01	3.96	0.78	45.62	15.62	119.5	63	52.8	16.7	613	4.96	11.6	0.9	1.6	2.9	47.6	0.06
TRP932802	Till	4.98		8.19	<0.01	8.19	0.93	37.23	19.52	144.4	81	55.1	25.0	1235	5.18	11.6	1.2	1.1	1.7	42.6	0.27
TRP932803	Till	4.00		4.01	<0.01	4.01	1.04	31.30	20.57	166.0	232	63.0	22.2	1731	5.62	11.3	2.4	0.9	1.6	64.2	0.27
TRP932804	Till	3.47		2.80	<0.01	2.80	1.40	32.80	23.17	142.6	136	64.0	21.9	912	6.03	12.9	1.1	0.9	2.6	46.8	0.12
TRP932805	Till	4.04		5.31	<0.01	5.31	1.01	44.52	17.35	132.9	73	77.8	20.5	545	4.87	9.4	0.9	1.5	2.5	30.0	0.06
TRP932806	Till	2.45		2.27	<0.01	2.27	0.17	73.95	6.82	111.8	128	46.2	21.0	521	6.09	3.2	1.8	1.9	6.6	109.7	0.04
TRP932807	Till	3.10		3.43	<0.01	3.43	0.79	25.95	16.97	170.4	184	55.2	27.6	2169	5.46	8.2	1.0	0.2	1.9	92.3	0.25
TRP932808	Till	2.56		0.79	<0.01	0.79	1.66	71.92	27.79	123.1	108	77.0	26.1	1616	5.94	24.2	2.0	0.9	8.3	42.2	0.18
TRP932809	Till	2.28		5.73	<0.01	5.73	2.30	27.68	16.28	175.9	195	54.3	18.7	1159	4.75	8.5	4.8	0.4	1.2	83.4	0.26
TRP932810	Till	1.98		3.17	<0.01	3.17	1.66	25.27	21.49	196.8	239	67.5	27.1	538	6.55	17.0	0.6	0.5	1.8	26.9	0.35
TRP932811	Till	2.71		6.09	<0.01	6.09	0.58	47.34	17.27	127.9	55	60.4	24.3	1287	4.92	11.1	0.6	0.4	2.2	48.8	0.15
TRP932812	Till	3.79		1.51	<0.01	1.51	0.88	65.49	12.42	110.5	86	48.4	14.8	565	5.77	12.3	1.9	3.0	3.6	106.7	0.07
TRP932813	Till	4.71		2.62	<0.01	2.62	0.97	53.56	24.22	132.1	53	61.6	27.9	2368	5.51	13.0	1.1	0.4	3.4	62.9	0.28
TRP932814	Rock Pulp	0.19	N.A.	4.40	N.A.	N.A.	153.6	3789	41.93	115.6	3284	25.3	19.3	492	4.63	72.4	0.6	2519	1.9	25.7	0.72
TRP932851	Till	2.79		4.34	<0.01	4.34	0.59	26.93	18.45	129.5	129	58.9	23.2	1414	5.03	12.4	0.9	0.6	1.7	51.1	0.19
TRP932852	Till	2.54		6.51	<0.01	6.51	1.00	28.46	17.64	172.6	147	53.1	21.5	841	4.81	10.7	0.7	0.3	1.5	42.9	0.19
TRP932853	Till	3.80		5.57	<0.01	5.57	0.29	51.04	12.81	120.6	78	37.4	16.6	903	6.02	9.1	1.5	6.7	4.4	119.1	0.11
TRP932854	Till	1.33		3.12	<0.01	3.12	1.09	23.31	18.52	170.2	202	38.2	18.2	772	5.19	12.3	0.6	3.8	2.2	47.5	0.27
TRP932855	Till	2.21		2.64	<0.01	2.64	0.88	40.41	21.57	167.5	262	73.2	25.1	963	5.61	8.4	3.0	5.4	3.3	59.2	0.25
TRP932856	Till	1.80		1.70	<0.01	1.70	2.39	32.53	19.07	180.2	174	52.1	23.3	457	6.33	12.1	1.0	4.4	2.6	40.8	0.23
TRP932857	Till	2.33		1.23	<0.01	1.23	1.94	40.48	18.50	96.1	410	52.5	20.0	714	6.48	15.4	1.1	3.5	2.6	41.3	0.25
TRP095351	Till	1.83		4.24	<0.01	4.24	0.68	30.25	14.53	161.2	85	51.2	18.1	754	4.78	9.9	1.0	3.2	1.9	34.0	0.22
TRP095352	Till	1.92		5.61	<0.01	5.61	0.49	44.86	14.23	137.9	43	57.9	21.2	975	5.24	10.3	1.5	2.5	2.7	44.3	0.23
TRP095353	Till	2.53		2.36	<0.01	2.36	0.53	67.03	14.94	173.2	135	76.2	19.5	911	5.81	13.5	1.3	2.7	3.7	66.2	0.28
TRP095354	Till	2.05		1.84	<0.01	1.84	0.48	66.37	13.72	170.1	176	64.3	18.6	890	5.83	13.4	1.1	2.8	3.4	68.3	0.22
TRP095355	Till	2.57		1.28	<0.01	1.28	0.61	63.29	14.82	169.4	195	59.7	20.0	1039	5.95	16.1	1.0	2.5	3.6	65.8	0.20
TRP095356	Till	2.27		1.28	<0.01	1.28	0.46	36.11	13.80	204.1	322	54.4	18.4	934	4.96	7.4	0.8	0.8	0.5	50.9	0.39
TRP095357	Till	2.58		3.90	<0.01	3.90	0.51	22.28	13.38	129.0	142	44.0	17.7	923	4.36	8.4	0.9	0.5	0.8	35.7	0.24
TRP095358	Till	3.12		5.32	<0.01	5.32	0.66	38.41	17.06	138.1	67	60.3	25.0	1526	5.64	12.1	1.5	1.2	2.3	46.2	0.22
TRP095359	Till	0.23		0.51	1.78	2.29	0.63	6.68	16.47	98.2	378	11.5	1.7	174	0.33	17.3	4.5	12.1	0.9	186.0	0.99

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880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 07, 2011

CERTIFICATE OF ANALYSIS SMI11000229.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se
	Unit	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm
	MDL	0.02	0.02	2	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
TRP932801	Till	0.07	0.21	75	0.42	0.040	11.9	50.7	0.90	402.8	0.007	<20	3.88	0.015	0.21	<0.1	9.1	0.18	<0.02	64	0.1
TRP932802	Till	0.06	0.26	83	0.38	0.065	11.3	49.1	0.98	329.1	0.007	<20	4.03	0.015	0.20	<0.1	6.1	0.19	<0.02	49	0.2
TRP932803	Till	0.04	0.40	104	0.58	0.085	15.3	56.4	1.06	560.6	0.010	<20	4.99	0.022	0.17	<0.1	6.4	0.22	<0.02	47	0.4
TRP932804	Till	0.06	0.87	150	0.45	0.077	12.4	65.0	1.17	465.0	0.035	<20	5.15	0.024	0.14	<0.1	7.3	0.27	<0.02	36	0.2
TRP932805	Till	0.03	0.52	99	0.26	0.069	10.0	63.1	0.92	429.5	0.016	<20	6.10	0.021	0.15	<0.1	6.6	0.28	<0.02	46	0.1
TRP932806	Till	0.02	0.15	73	1.14	0.083	22.2	49.2	2.22	188.3	0.015	<20	4.92	0.010	0.13	<0.1	19.5	0.14	<0.02	33	<0.1
TRP932807	Till	0.04	0.43	104	0.69	0.086	10.4	55.0	1.31	439.3	0.021	<20	4.43	0.028	0.18	<0.1	7.2	0.20	<0.02	32	0.1
TRP932808	Till	0.10	0.37	92	0.25	0.340	15.6	55.1	0.84	906.5	0.028	<20	8.63	0.037	0.18	<0.1	11.4	0.28	<0.02	87	0.4
TRP932809	Till	<0.02	0.27	97	0.55	0.067	10.1	54.1	0.98	464.9	0.006	<20	4.87	0.015	0.16	<0.1	6.1	0.23	<0.02	40	<0.1
TRP932810	Till	0.05	0.40	105	0.27	0.162	10.4	59.2	0.82	302.6	0.015	<20	5.17	0.015	0.19	<0.1	5.5	0.19	<0.02	46	0.2
TRP932811	Till	<0.02	0.21	69	0.38	0.048	11.2	46.9	0.94	455.8	0.004	<20	4.08	0.010	0.19	<0.1	7.5	0.19	<0.02	18	0.1
TRP932812	Till	<0.02	0.23	87	0.81	0.049	16.3	52.3	1.00	584.4	0.003	<20	4.55	0.021	0.27	<0.1	15.2	0.25	<0.02	74	0.1
TRP932813	Till	<0.02	0.27	76	0.54	0.073	14.7	46.7	1.00	555.9	0.005	<20	4.69	0.021	0.20	<0.1	9.0	0.24	<0.02	42	0.2
TRP932814	Rock Pulp	2.02	0.43	92	0.36	0.084	8.6	33.4	0.71	49.0	0.056	<20	1.15	0.025	0.69	9.3	6.3	0.56	2.62	138	6.8
TRP932851	Till	<0.02	0.27	92	0.41	0.070	10.6	47.5	0.82	390.1	0.005	<20	3.78	0.017	0.13	<0.1	6.1	0.16	<0.02	39	0.2
TRP932852	Till	<0.02	0.30	79	0.41	0.102	9.8	43.4	0.77	375.0	0.004	<20	3.72	0.010	0.16	<0.1	5.3	0.15	<0.02	35	0.2
TRP932853	Till	<0.02	0.28	92	1.10	0.053	16.2	45.8	0.86	639.1	0.003	<20	4.50	0.024	0.21	<0.1	14.7	0.24	<0.02	51	0.1
TRP932854	Till	0.03	0.29	78	0.58	0.333	7.2	34.0	0.64	399.2	0.010	<20	4.62	0.008	0.21	<0.1	4.9	0.15	<0.02	75	0.2
TRP932855	Till	0.03	0.55	118	0.64	0.077	16.1	64.8	1.24	640.4	0.019	<20	5.34	0.025	0.17	<0.1	10.9	0.27	<0.02	61	0.3
TRP932856	Till	0.05	0.51	143	0.37	0.075	13.4	59.9	0.76	426.0	0.033	<20	6.81	0.032	0.13	<0.1	7.7	0.23	<0.02	87	0.3
TRP932857	Till	0.06	0.38	106	0.29	0.103	10.8	49.0	0.65	434.7	0.017	<20	6.33	0.013	0.13	<0.1	6.2	0.19	0.02	93	0.3
TRP095351	Till	<0.02	0.21	72	0.28	0.067	9.5	41.7	0.81	277.9	0.004	<20	3.91	0.011	0.14	<0.1	5.8	0.17	<0.02	39	0.2
TRP095352	Till	<0.02	0.19	73	0.42	0.050	11.8	48.4	0.99	359.8	0.004	<20	4.09	0.014	0.20	<0.1	8.4	0.20	<0.02	35	0.3
TRP095353	Till	<0.02	0.25	79	0.71	0.051	13.7	60.9	1.08	638.6	0.002	<20	4.22	0.018	0.29	<0.1	12.5	0.24	<0.02	73	0.1
TRP095354	Till	<0.02	0.24	78	0.79	0.052	11.3	60.1	1.06	645.9	0.002	<20	4.31	0.019	0.31	<0.1	13.2	0.24	<0.02	71	<0.1
TRP095355	Till	<0.02	0.25	82	0.79	0.061	11.8	56.4	1.06	581.0	0.002	<20	4.09	0.021	0.31	<0.1	12.8	0.22	<0.02	54	<0.1
TRP095356	Till	<0.02	0.22	74	0.45	0.069	7.0	49.8	0.96	428.5	0.002	<20	5.07	0.009	0.21	<0.1	5.1	0.21	<0.02	30	0.2
TRP095357	Till	<0.02	0.21	72	0.32	0.043	9.1	39.9	0.81	264.2	0.003	<20	3.36	0.012	0.15	<0.1	4.3	0.16	<0.02	46	0.1
TRP095358	Till	<0.02	0.23	84	0.44	0.046	11.7	52.9	0.99	371.1	0.005	<20	4.23	0.014	0.21	<0.1	7.9	0.19	<0.02	46	0.3
TRP095359	Till	7.31	0.12	43	11.18	0.069	1.6	16.7	12.42	62.3	0.005	<20	0.65	0.184	0.05	0.4	0.9	0.04	0.38	15	0.3

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Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 07, 2011

CERTIFICATE OF ANALYSIS SMI11000229.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
TRP932801	Till	0.03	10.2	3.03	<0.1	<0.02	0.10	15.3	0.6	<0.05	0.7	7.17	24.8	0.07	1	0.8	21.0	<10	<2
TRP932802	Till	0.06	10.6	2.61	<0.1	0.02	0.13	16.8	0.6	<0.05	0.6	6.78	27.0	0.07	<1	0.9	25.4	<10	<2
TRP932803	Till	0.05	13.3	3.03	<0.1	0.05	0.31	23.7	0.7	<0.05	1.3	12.32	66.0	0.06	1	1.2	28.1	<10	<2
TRP932804	Till	0.05	16.8	3.09	<0.1	0.05	0.42	21.4	1.0	<0.05	2.2	7.76	30.1	0.08	<1	0.8	32.0	<10	<2
TRP932805	Till	0.04	14.6	3.28	<0.1	0.04	0.27	23.5	0.8	<0.05	1.8	5.87	22.5	0.08	<1	1.0	28.4	<10	<2
TRP932806	Till	<0.02	12.3	3.04	<0.1	0.18	<0.02	18.8	1.0	<0.05	9.3	18.40	73.5	0.07	<1	1.2	13.9	<10	<2
TRP932807	Till	<0.02	13.8	2.22	<0.1	0.02	0.20	28.0	0.9	<0.05	0.9	7.09	39.1	0.06	<1	0.6	27.5	<10	<2
TRP932808	Till	0.10	16.7	2.77	<0.1	0.16	0.22	15.9	0.7	<0.05	7.2	13.78	92.7	0.10	<1	1.8	22.1	<10	<2
TRP932809	Till	<0.02	14.1	2.50	<0.1	0.04	0.31	23.9	0.9	<0.05	1.1	6.03	22.8	0.06	<1	1.0	31.5	<10	<2
TRP932810	Till	0.05	15.0	2.54	<0.1	0.02	0.51	27.2	0.8	<0.05	1.2	4.44	23.7	0.08	<1	1.2	30.8	<10	<2
TRP932811	Till	0.04	10.3	1.77	<0.1	<0.02	0.03	16.2	0.5	<0.05	0.4	5.30	35.2	0.05	<1	1.0	24.7	<10	<2
TRP932812	Till	0.06	11.7	2.95	<0.1	0.05	0.03	18.5	0.7	<0.05	1.1	20.94	29.8	0.08	1	1.1	27.8	<10	<2
TRP932813	Till	0.04	11.0	2.01	<0.1	0.04	0.07	14.6	0.6	<0.05	1.1	12.27	100.1	0.07	2	1.2	26.8	<10	<2
TRP932814	Rock Pulp	1.10	4.4	2.78	<0.1	<0.02	0.03	36.4	1.7	<0.05	0.6	8.56	18.4	0.04	323	0.4	4.8	<10	2
TRP932851	Till	0.05	10.3	2.32	<0.1	<0.02	0.13	17.6	0.6	<0.05	0.6	8.40	27.9	0.06	<1	0.9	25.9	<10	<2
TRP932852	Till	0.05	10.4	2.05	<0.1	0.03	0.19	18.7	0.6	<0.05	0.7	5.99	27.7	0.07	1	0.7	25.7	<10	<2
TRP932853	Till	<0.02	11.8	2.30	<0.1	0.08	0.04	19.1	0.6	<0.05	1.8	23.54	28.8	0.07	<1	1.1	21.3	<10	<2
TRP932854	Till	<0.02	13.5	1.79	<0.1	0.09	0.44	24.9	0.7	<0.05	2.4	3.57	22.5	0.06	<1	1.0	20.5	<10	<2
TRP932855	Till	<0.02	15.2	2.77	<0.1	0.11	0.35	22.9	0.8	<0.05	3.7	16.10	39.8	0.08	<1	1.1	38.5	<10	<2
TRP932856	Till	0.06	21.0	2.69	<0.1	0.08	1.35	19.3	1.1	<0.05	3.0	10.68	30.6	0.08	1	1.4	31.4	<10	<2
TRP932857	Till	0.07	15.1	1.83	<0.1	0.07	0.72	18.9	0.7	<0.05	3.0	9.24	32.6	0.08	<1	1.3	21.4	<10	<2
TRP095351	Till	0.04	10.2	2.40	<0.1	<0.02	0.17	17.5	0.5	<0.05	1.0	6.29	22.5	0.05	<1	0.9	29.2	<10	<2
TRP095352	Till	0.05	10.0	2.62	<0.1	<0.02	0.06	16.9	0.5	<0.05	0.7	8.16	30.3	0.05	<1	1.0	25.3	<10	<2
TRP095353	Till	0.06	11.2	3.42	<0.1	0.03	0.02	17.7	0.5	<0.05	0.8	16.36	24.7	0.08	<1	1.1	28.3	<10	<2
TRP095354	Till	0.04	11.3	3.21	<0.1	0.03	<0.02	17.7	0.4	<0.05	0.6	14.33	20.9	0.10	<1	1.4	29.0	<10	<2
TRP095355	Till	0.04	11.2	3.45	<0.1	<0.02	<0.02	18.7	0.5	<0.05	0.4	13.86	23.5	0.08	<1	1.1	27.6	<10	<2
TRP095356	Till	<0.02	13.5	2.57	<0.1	<0.02	0.10	23.7	0.6	<0.05	0.1	4.55	15.3	0.07	<1	1.0	31.6	<10	<2
TRP095357	Till	<0.02	9.4	1.98	<0.1	<0.02	0.10	15.6	0.5	<0.05	0.3	5.44	19.9	0.05	<1	0.6	25.0	<10	<2
TRP095358	Till	0.04	10.3	2.67	<0.1	0.02	0.07	16.2	0.5	<0.05	0.7	7.81	29.5	0.06	<1	0.9	24.7	<10	<2
TRP095359	Till	0.10	2.0	0.52	<0.1	0.04	0.19	3.0	0.7	<0.05	1.4	1.77	2.7	0.03	2	0.5	7.6	<10	<2

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880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 07, 2011

CERTIFICATE OF ANALYSIS SMI11000229.1

	Method	WGHT	CLSP	CLSP	CLSP	CLSP	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Wgt	Total Wt	Clay R-1	Clay R-2	total Clay	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
	Unit	kg	g	g	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	0.01	0.01	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
TRP932861	Till	1.55		1.61	<0.01	1.61	0.45	33.03	16.50	90.5	53	42.1	16.7	1113	4.03	9.9	0.6	1.2	1.7	49.3	0.13
TRP932862	Till	1.40		2.06	<0.01	2.06	0.57	24.32	11.60	132.4	152	37.0	14.5	816	4.66	9.0	0.7	0.7	1.4	44.0	0.17
TRP932863	Till	1.29		2.97	<0.01	2.97	0.60	46.22	15.33	153.1	121	55.0	21.3	1034	4.75	11.0	0.9	1.1	1.9	45.9	0.23
TRP932864	Till	1.52		2.59	<0.01	2.59	0.87	50.60	22.34	159.7	210	58.4	22.2	1730	4.76	10.4	0.7	1.1	1.1	65.3	0.32
TRP932865	Till	1.81		2.19	<0.01	2.19	0.58	38.92	16.32	124.5	118	55.4	19.5	998	4.63	9.4	0.8	1.5	1.4	50.0	0.12
TRP932866	Till	1.78		4.02	<0.01	4.02	0.55	33.05	11.55	112.0	77	39.4	16.4	905	4.55	10.4	0.8	0.3	0.7	42.9	0.15
TRP932867	Till	1.88		5.62	<0.01	5.62	0.43	38.13	9.64	124.5	51	50.1	14.6	546	4.83	8.8	1.4	1.4	2.5	71.3	0.11
TRP932868	Till	1.58		2.43	<0.01	2.43	0.80	47.21	12.35	102.6	62	48.3	15.4	571	4.68	9.7	0.6	3.0	1.5	28.6	0.06
TRP932869	Till	2.29		4.26	<0.01	4.26	0.41	68.25	13.38	160.6	112	63.2	16.6	725	5.56	12.3	1.9	3.0	4.2	65.2	0.17
TRP932870	Till	1.84		2.10	<0.01	2.10	0.53	52.80	19.56	114.5	52	56.3	20.5	1031	4.73	12.1	0.9	2.2	3.1	47.6	0.13
TRP932871	Till	1.91		1.71	<0.01	1.71	0.30	53.04	15.51	119.7	55	50.8	16.6	973	5.11	10.9	1.5	1.6	4.3	71.1	0.13
TRP932872	Till	1.69		3.28	<0.01	3.28	0.37	48.97	16.63	112.8	54	49.1	18.1	665	5.31	10.6	1.4	3.0	4.0	61.8	0.06
TRP932873	Till	2.84		2.28	<0.01	2.28	0.20	38.25	14.29	100.9	59	31.4	15.4	796	5.88	8.4	2.0	2.0	4.5	91.9	0.07
TRP932874	Till	2.17		3.07	<0.01	3.07	0.20	43.43	16.01	108.8	56	38.7	16.6	392	5.59	9.1	2.1	2.7	3.9	146.3	0.04
TRP932875	Till	1.66		1.79	<0.01	1.79	0.70	34.08	18.68	126.2	111	55.1	22.8	1656	5.17	11.6	1.3	0.9	2.5	51.1	0.17
TRP932876	Till	1.59		3.83	<0.01	3.83	0.38	57.40	13.56	143.0	104	55.2	14.6	561	5.04	10.0	0.9	1.3	3.2	69.0	0.10
TRP932877	Till	1.63		1.95	<0.01	1.95	0.32	62.21	13.56	143.3	205	53.4	16.1	705	5.22	12.7	1.3	1.5	3.7	87.8	0.16
TRP932878	Rock Pulp	0.14	N.A.	7.99	N.A.	N.A.	148.0	3569	38.12	115.3	2763	24.0	18.0	465	4.42	66.9	0.5	1207	1.9	25.4	0.75
TRP932879	Till	1.80		2.50	<0.01	2.50	0.25	53.94	11.06	141.7	83	63.6	15.9	612	4.78	10.0	0.6	1.3	2.6	59.1	0.15
TRP932880	Till	1.88		2.34	<0.01	2.34	0.52	39.20	16.70	120.8	86	57.5	18.9	804	4.95	10.1	0.7	1.6	1.8	34.4	0.12
TRP932881	Till	1.61		3.72	<0.01	3.72	0.38	59.45	11.94	129.3	39	59.3	15.2	536	4.95	10.0	0.9	4.3	3.3	53.9	0.06
TRP932882	Till	1.65		2.36	<0.01	2.36	0.31	46.54	11.06	102.9	26	43.2	12.9	417	4.36	7.8	0.8	3.0	3.1	43.6	0.04
TRP932883	Till	1.50		2.65	<0.01	2.65	0.51	68.21	25.19	184.8	72	52.9	18.4	827	4.88	13.4	1.0	3.5	4.2	53.3	0.12
TRP932884	Till	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
TRP932885	Till	2.20		2.20	<0.01	2.20	0.46	63.40	14.33	155.1	180	68.8	17.2	639	4.92	12.8	0.8	1.8	3.3	68.3	0.11
TRP932886	Till	2.54		1.72	<0.01	1.72	0.50	71.94	19.98	139.6	78	75.5	22.0	610	6.64	14.9	1.8	4.2	4.3	103.3	0.09
TRP932887	Till	1.52		2.31	<0.01	2.31	0.19	62.68	11.12	137.0	36	62.9	17.7	761	5.16	10.6	1.2	1.7	3.9	87.2	0.17
TRP932888	Till	1.42		0.35	0.76	1.12	0.66	72.59	29.15	139.3	75	65.0	28.8	2623	5.15	17.0	2.0	1.6	7.5	41.6	0.45
TRP932889	Till	2.06		0.72	<0.01	0.72	0.45	75.22	24.38	121.6	80	72.0	23.9	1755	5.46	16.1	5.5	3.7	5.2	105.9	0.18
TRP932890	Till	2.60		1.07	<0.01	1.07	0.36	40.56	19.95	127.3	119	68.1	22.2	1153	4.96	11.3	1.3	1.5	2.4	72.9	0.25

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Project: Poplar Regional
Report Date: November 07, 2011

CERTIFICATE OF ANALYSIS SMI11000229.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se
	Unit	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm
	MDL	0.02	0.02	2	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
TRP932861	Till	0.03	0.28	57	0.40	0.075	10.7	33.6	0.73	339.3	0.005	<20	3.43	0.018	0.18	<0.1	5.7	0.16	<0.02	35	0.1
TRP932862	Till	<0.02	0.28	72	0.38	0.115	9.1	35.8	0.67	364.7	0.004	<20	4.07	0.017	0.12	<0.1	5.0	0.16	<0.02	44	<0.1
TRP932863	Till	<0.02	0.35	58	0.36	0.093	12.0	43.6	0.79	404.8	0.002	<20	4.07	0.017	0.15	<0.1	7.1	0.17	<0.02	58	0.2
TRP932864	Till	<0.02	0.35	60	0.43	0.092	9.8	45.3	0.78	403.7	0.002	<20	3.69	0.017	0.15	<0.1	6.0	0.18	<0.02	48	0.3
TRP932865	Till	<0.02	0.39	66	0.38	0.062	10.5	46.3	0.78	356.2	0.002	<20	3.60	0.019	0.11	<0.1	6.3	0.18	<0.02	68	0.2
TRP932866	Till	<0.02	0.32	58	0.31	0.063	8.8	36.1	0.78	254.9	0.003	<20	3.33	0.017	0.16	<0.1	4.3	0.17	<0.02	36	0.1
TRP932867	Till	<0.02	0.36	63	0.61	0.052	9.9	45.7	0.94	353.7	0.002	<20	3.36	0.020	0.18	<0.1	9.9	0.18	<0.02	34	0.3
TRP932868	Till	<0.02	0.34	62	0.20	0.080	8.6	40.0	0.68	323.3	0.002	<20	4.06	0.013	0.09	<0.1	5.1	0.16	<0.02	34	0.1
TRP932869	Till	0.02	0.48	73	0.78	0.053	14.4	61.1	1.07	676.1	0.005	<20	4.49	0.025	0.21	<0.1	14.5	0.29	<0.02	95	0.2
TRP932870	Till	0.04	0.53	71	0.42	0.053	14.3	52.0	1.02	545.9	0.012	<20	4.92	0.019	0.19	<0.1	8.8	0.25	<0.02	38	0.2
TRP932871	Till	<0.02	0.52	73	0.61	0.085	20.4	58.5	0.92	693.4	0.009	<20	4.51	0.024	0.13	<0.1	13.0	0.20	<0.02	65	0.3
TRP932872	Till	<0.02	0.43	72	0.49	0.075	16.6	50.6	0.90	469.1	0.005	<20	3.88	0.021	0.14	<0.1	11.9	0.25	<0.02	57	0.1
TRP932873	Till	<0.02	0.35	84	0.91	0.077	16.9	39.3	0.84	715.2	0.004	<20	4.58	0.021	0.15	<0.1	12.9	0.19	<0.02	56	0.2
TRP932874	Till	<0.02	0.31	75	0.89	0.066	18.7	45.9	0.81	690.0	0.002	<20	4.25	0.025	0.28	<0.1	14.3	0.33	<0.02	52	<0.1
TRP932875	Till	<0.02	0.39	75	0.47	0.061	11.6	50.7	0.96	373.9	0.004	<20	3.99	0.020	0.18	<0.1	7.6	0.22	<0.02	42	0.2
TRP932876	Till	<0.02	0.33	59	0.58	0.052	14.1	52.8	0.95	490.6	0.003	<20	4.08	0.022	0.21	<0.1	11.0	0.25	<0.02	55	0.2
TRP932877	Till	<0.02	0.34	67	0.72	0.050	13.5	52.4	1.00	535.4	0.002	<20	3.71	0.024	0.24	<0.1	12.4	0.23	<0.02	69	0.1
TRP932878	Rock Pulp	2.45	0.54	85	0.33	0.083	8.5	32.9	0.68	49.0	0.053	<20	1.14	0.028	0.68	8.0	6.3	0.52	2.55	116	6.3
TRP932879	Till	<0.02	0.21	64	0.47	0.043	11.1	54.2	0.87	398.3	0.002	<20	3.84	0.022	0.24	<0.1	11.3	0.17	<0.02	37	0.2
TRP932880	Till	<0.02	0.22	64	0.30	0.043	11.7	49.1	0.96	279.6	0.004	<20	3.93	0.017	0.16	<0.1	6.2	0.17	<0.02	29	0.2
TRP932881	Till	<0.02	0.22	60	0.47	0.042	13.5	53.6	0.94	407.2	0.002	<20	3.97	0.022	0.21	<0.1	11.6	0.18	<0.02	43	0.1
TRP932882	Till	<0.02	0.21	50	0.40	0.043	11.7	40.8	0.81	335.9	0.002	<20	3.57	0.018	0.18	<0.1	9.5	0.18	<0.02	28	0.1
TRP932883	Till	<0.02	0.37	62	0.54	0.055	16.4	53.8	1.10	518.6	0.004	<20	3.84	0.022	0.23	<0.1	10.6	0.20	<0.02	74	0.2
TRP932884	Till	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
TRP932885	Till	<0.02	0.31	61	0.61	0.051	11.7	56.4	0.99	517.0	0.002	<20	3.49	0.025	0.21	<0.1	10.6	0.18	<0.02	57	0.2
TRP932886	Till	0.03	0.37	104	0.64	0.092	22.9	77.3	1.02	515.7	0.014	<20	4.88	0.019	0.14	<0.1	20.0	0.18	<0.02	92	0.1
TRP932887	Till	<0.02	0.20	61	0.81	0.055	14.7	51.7	1.09	397.0	0.004	<20	3.93	0.028	0.20	<0.1	12.3	0.19	<0.02	47	0.1
TRP932888	Till	<0.02	0.27	69	0.34	0.199	17.7	46.0	0.98	839.7	0.018	<20	5.86	0.051	0.17	<0.1	13.7	0.32	<0.02	50	0.2
TRP932889	Till	0.03	0.32	82	0.74	0.073	27.2	54.4	1.19	707.8	0.012	<20	5.60	0.034	0.17	<0.1	20.5	0.31	<0.02	65	0.3
TRP932890	Till	<0.02	0.24	76	0.54	0.077	13.8	51.0	1.00	333.2	0.009	<20	4.38	0.025	0.17	<0.1	7.2	0.18	<0.02	44	0.2

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 07, 2011

CERTIFICATE OF ANALYSIS SMI11000229.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
TRP932861	Till	0.05	7.6	1.95	<0.1	<0.02	0.07	14.4	0.4	<0.05	0.5	7.70	49.8	0.06	<1	0.9	19.3	<10	<2
TRP932862	Till	0.02	9.9	1.79	<0.1	0.02	0.20	15.7	0.5	<0.05	0.8	6.60	23.1	0.05	<1	0.9	26.3	<10	<2
TRP932863	Till	0.03	9.4	2.17	<0.1	<0.02	0.12	13.6	0.3	<0.05	0.6	10.04	38.4	0.07	<1	1.1	23.9	<10	<2
TRP932864	Till	0.05	8.9	1.62	<0.1	<0.02	0.15	13.4	0.3	<0.05	0.6	8.76	32.7	0.06	<1	0.9	25.3	<10	<2
TRP932865	Till	0.05	9.0	1.76	<0.1	<0.02	0.09	12.8	0.2	<0.05	0.5	9.24	24.4	0.05	<1	0.9	24.5	<10	<2
TRP932866	Till	0.04	8.3	2.16	<0.1	<0.02	0.10	16.1	0.2	<0.05	0.7	7.15	21.0	0.05	<1	0.8	20.2	<10	<2
TRP932867	Till	0.03	8.7	2.59	<0.1	0.03	0.05	12.8	0.3	<0.05	1.0	11.72	20.9	0.06	<1	0.8	20.9	<10	<2
TRP932868	Till	0.05	9.2	1.76	<0.1	<0.02	0.07	13.8	0.3	<0.05	0.7	4.08	22.6	0.05	<1	0.9	20.4	<10	<2
TRP932869	Till	0.06	11.2	3.30	<0.1	0.05	0.04	16.1	0.4	<0.05	1.5	19.20	26.1	0.07	<1	1.1	26.1	<10	<2
TRP932870	Till	0.08	11.0	2.59	<0.1	<0.02	0.06	19.2	0.5	<0.05	0.7	7.83	49.9	0.07	<1	0.9	22.5	<10	<2
TRP932871	Till	0.04	10.5	2.26	<0.1	0.06	0.05	13.5	0.4	<0.05	1.9	20.24	67.3	0.06	<1	1.0	21.4	<10	<2
TRP932872	Till	0.06	9.7	1.97	<0.1	<0.02	0.03	14.0	0.3	<0.05	0.8	16.13	50.5	0.06	<1	0.9	22.8	<10	<2
TRP932873	Till	<0.02	10.7	2.12	<0.1	0.04	0.04	17.0	0.4	<0.05	1.0	15.95	34.7	0.06	<1	1.0	20.1	<10	<2
TRP932874	Till	<0.02	9.7	2.61	<0.1	<0.02	<0.02	22.1	0.3	<0.05	0.4	22.30	37.2	0.07	<1	1.0	21.1	<10	<2
TRP932875	Till	0.05	10.1	2.33	<0.1	0.04	0.09	17.0	0.3	<0.05	1.1	8.54	33.6	0.06	<1	1.0	24.5	<10	<2
TRP932876	Till	0.03	9.4	2.82	<0.1	<0.02	0.03	15.8	0.3	<0.05	0.3	12.50	27.3	0.07	<1	0.8	22.3	<10	<2
TRP932877	Till	0.05	9.3	3.01	<0.1	<0.02	<0.02	15.6	0.3	<0.05	0.3	16.83	22.4	0.07	<1	0.9	23.6	<10	<2
TRP932878	Rock Pulp	1.07	4.2	2.81	<0.1	<0.02	0.04	33.8	1.6	<0.05	0.8	8.47	17.5	0.05	319	0.4	4.7	<10	<2
TRP932879	Till	0.04	10.0	2.66	<0.1	<0.02	<0.02	14.1	0.6	<0.05	0.3	11.05	21.3	0.07	<1	1.1	23.5	<10	<2
TRP932880	Till	0.04	9.6	2.44	<0.1	<0.02	0.06	13.9	0.3	<0.05	0.4	6.37	26.7	0.05	<1	0.8	25.3	<10	<2
TRP932881	Till	0.03	9.5	2.39	<0.1	<0.02	<0.02	12.7	0.2	<0.05	0.4	10.75	27.3	0.06	<1	1.0	23.3	<10	<2
TRP932882	Till	0.03	7.9	2.53	<0.1	<0.02	0.02	14.3	0.2	<0.05	0.3	7.86	25.0	0.05	<1	0.8	18.0	<10	<2
TRP932883	Till	0.11	9.6	3.50	<0.1	0.03	0.03	15.1	0.3	<0.05	0.6	10.93	32.3	0.08	<1	1.0	21.2	<10	<2
TRP932884	Till	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
TRP932885	Till	0.06	8.8	2.68	<0.1	<0.02	<0.02	12.6	0.3	<0.05	0.2	13.46	21.7	0.07	<1	1.0	24.1	<10	<2
TRP932886	Till	0.02	11.6	1.44	<0.1	0.07	0.04	9.2	0.6	<0.05	2.8	26.71	96.9	0.09	<1	1.2	19.6	<10	<2
TRP932887	Till	0.04	9.1	2.67	<0.1	<0.02	0.02	14.4	0.3	<0.05	0.5	15.48	28.3	0.07	<1	0.8	21.7	<10	<2
TRP932888	Till	0.03	13.2	1.84	<0.1	0.12	0.07	12.5	0.5	<0.05	4.2	17.57	85.4	0.09	<1	1.3	20.5	<10	<2
TRP932889	Till	0.02	12.1	2.55	<0.1	0.17	0.07	13.7	0.6	<0.05	5.2	36.02	104.3	0.09	<1	1.2	26.0	<10	<2
TRP932890	Till	0.03	10.7	1.86	<0.1	0.08	0.12	15.6	0.4	<0.05	2.6	9.72	63.3	0.05	<1	0.8	25.2	<10	<2

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880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 07, 2011

CERTIFICATE OF ANALYSIS SMI11000229.1

	Method	WGHT	CLSP	CLSP	CLSP	CLSP	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Wgt	Total Wt	Clay R-1	Clay R-2	total Clay	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
	Unit	kg	g	g	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	0.01	0.01	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
TRP932891	Till	2.15		0.86	<0.01	0.86	0.23	62.74	22.84	121.1	104	72.5	24.2	1300	4.72	12.2	1.3	2.3	4.5	73.4	0.19
TRP932892	Till	1.83		1.63	<0.01	1.63	0.24	61.72	11.24	132.1	20	76.5	19.2	788	4.72	10.9	0.9	1.4	3.7	73.3	0.15
TRP932893	Till	2.09		0.98	<0.01	0.98	0.46	50.34	18.89	114.1	43	77.0	24.3	1345	4.71	11.1	1.1	0.9	2.8	59.5	0.14
TRP932894	Till	1.71		1.44	<0.01	1.44	0.28	55.14	13.47	116.3	24	76.1	20.4	894	4.37	8.8	1.0	1.0	2.8	62.3	0.15
TRP932815	Till	2.20		2.09	<0.01	2.09	0.37	45.38	19.42	129.6	150	62.6	22.3	1469	4.89	11.0	1.3	0.9	2.7	64.9	0.28
TRP932816	Till	1.42		2.99	<0.01	2.99	0.73	60.76	14.32	97.4	83	58.9	19.2	1120	4.18	9.5	4.9	1.8	2.8	56.3	0.11
TRP932817	Till	0.98		2.78	<0.01	2.78	0.93	66.89	13.69	143.6	53	56.1	17.8	704	5.45	11.8	1.1	2.1	3.8	73.6	0.08
TRP932818	Till	1.15		3.27	<0.01	3.27	1.07	67.39	10.99	138.3	114	53.9	15.8	601	5.55	12.9	1.2	2.0	3.7	85.7	0.06
TRP932819	Till	1.36		4.95	<0.01	4.95	0.87	54.17	16.52	130.2	79	68.5	22.2	1102	4.78	9.8	0.8	1.8	1.4	51.7	0.16
TRP932820	Till	1.91		2.49	<0.01	2.49	1.48	51.12	24.09	154.6	143	69.4	31.3	1825	6.14	12.9	0.8	2.3	1.7	44.4	0.17
TRP932821	Till	0.18		0.86	<0.01	0.86	0.84	9.02	20.78	114.1	411	13.5	2.0	218	0.39	18.9	6.9	11.0	0.9	193.2	1.11
TRP932822	Till	1.95		3.64	<0.01	3.64	0.35	59.08	20.83	126.5	111	53.0	20.5	970	5.03	13.2	1.4	1.7	5.4	83.5	0.15
TRP932823	Till	2.57		2.05	<0.01	2.05	0.35	70.39	14.40	124.7	50	64.8	21.3	867	5.18	11.2	1.8	1.6	6.7	98.4	0.18
TRP932824	Till	1.76		2.19	<0.01	2.19	0.38	74.69	18.16	137.2	96	72.6	22.4	1115	5.48	13.5	1.7	2.3	6.9	100.9	0.23
TRP932825	Till	2.12		2.67	<0.01	2.67	0.52	87.89	14.50	124.0	218	66.1	25.9	1419	6.13	8.0	4.8	3.6	7.5	102.1	0.17
TRP932826	Till	2.29		1.67	<0.01	1.67	0.52	62.17	21.24	107.4	294	63.2	26.7	1374	5.73	14.2	3.1	2.3	7.1	85.5	0.13
TRP932827	Till	3.40		1.34	<0.01	1.34	0.59	60.08	28.74	126.9	211	64.5	26.2	1753	5.98	15.9	4.8	2.1	6.8	98.9	0.21
TRP932828	Till	3.11		0.61	<0.01	0.61	0.50	50.01	33.18	147.3	223	65.4	32.1	2268	5.77	14.5	2.5	1.0	5.8	99.5	0.39
TRP932829	Till	1.80		2.08	<0.01	2.08	0.48	57.12	19.09	117.7	73	66.4	23.9	1142	5.18	14.3	1.4	1.3	4.7	85.1	0.20
TRP932895	Rock Pulp	0.18	N.A.	11.69	N.A.	N.A.	154.4	3727	41.22	116.4	2935	25.4	19.5	477	4.67	67.4	0.6	882.0	2.1	25.6	0.71
TRP932896	Till	3.80		1.08	<0.01	1.08	0.79	36.24	22.47	133.0	200	74.8	25.0	1264	5.83	13.9	1.5	1.4	4.6	81.4	0.19
TRP932897	Till	2.75		1.79	<0.01	1.79	0.72	58.82	21.12	129.6	55	73.0	22.2	993	5.03	12.9	1.2	1.3	4.3	86.1	0.15
TRP932898	Till	3.24		0.42	0.79	1.22	0.77	55.76	18.28	117.3	198	72.1	25.6	1340	5.33	13.2	1.8	0.3	5.1	64.9	0.21
TRP932899	Till	3.53		0.80	<0.01	0.80	1.24	75.22	21.66	130.9	53	91.9	26.2	1686	5.59	17.6	1.7	3.3	6.2	64.2	0.31
TRP932900	Till	3.16		0.79	<0.01	0.79	1.03	75.74	22.33	135.8	80	73.8	25.8	1511	5.37	17.3	2.0	1.7	7.4	74.2	0.30
TRP095360	Till	2.07		1.36	<0.01	1.36	0.97	27.49	15.34	211.5	166	45.8	17.3	538	5.71	10.2	0.9	2.3	2.2	29.8	0.30
TRP095361	Till	1.85		4.40	<0.01	4.40	0.36	59.16	12.22	127.8	95	60.0	15.7	537	5.44	8.2	1.8	2.2	5.3	89.7	0.06
TRP095362	Till	2.73		1.77	<0.01	1.77	0.66	44.63	19.55	152.7	107	78.0	25.2	1323	5.51	11.0	1.6	1.2	3.0	71.5	0.26
TRP095363	Till	2.42		1.60	<0.01	1.60	0.58	44.64	16.33	138.6	64	72.9	25.4	1166	4.95	12.5	1.0	1.8	4.0	93.5	0.17
TRP095364	Till	3.39		1.90	<0.01	1.90	0.45	50.75	18.36	111.4	91	70.7	23.5	1136	4.88	12.8	1.1	1.5	3.9	86.2	0.17

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	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se
	Unit	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm
	MDL	0.02	0.02	2	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
TRP932891	Till	<0.02	0.24	62	0.62	0.051	20.8	51.5	1.05	319.2	0.007	<20	4.14	0.026	0.21	<0.1	10.8	0.22	<0.02	32	0.2
TRP932892	Till	<0.02	0.21	53	0.62	0.050	15.0	52.5	0.98	310.2	0.003	<20	3.89	0.024	0.17	<0.1	10.5	0.18	<0.02	24	0.1
TRP932893	Till	<0.02	0.40	63	0.42	0.059	14.4	49.9	0.94	345.9	0.006	<20	4.65	0.023	0.15	<0.1	7.1	0.18	<0.02	27	0.2
TRP932894	Till	<0.02	0.15	50	0.42	0.044	11.0	47.0	0.99	313.8	0.003	<20	4.07	0.021	0.16	<0.1	7.7	0.16	<0.02	22	0.2
TRP932815	Till	<0.02	0.27	66	0.61	0.076	13.1	46.9	0.99	489.0	0.005	<20	4.69	0.037	0.17	<0.1	8.3	0.20	<0.02	38	0.3
TRP932816	Till	<0.02	0.24	57	0.64	0.035	17.6	47.1	1.03	281.2	0.004	<20	3.87	0.027	0.14	<0.1	12.2	0.21	<0.02	119	0.2
TRP932817	Till	0.05	0.32	80	0.52	0.059	11.0	51.1	1.04	420.7	0.003	<20	4.58	0.020	0.21	<0.1	12.8	0.18	<0.02	57	0.1
TRP932818	Till	<0.02	0.33	81	0.54	0.052	11.4	51.2	0.93	441.1	0.002	<20	4.29	0.026	0.21	<0.1	13.9	0.19	<0.02	75	0.2
TRP932819	Till	0.02	0.27	65	0.48	0.060	12.4	45.7	0.93	336.4	0.003	<20	3.83	0.014	0.17	<0.1	6.9	0.15	<0.02	29	0.2
TRP932820	Till	<0.02	0.35	80	0.35	0.067	9.4	49.8	0.77	323.8	0.002	<20	3.94	0.020	0.16	<0.1	6.7	0.15	0.03	40	0.3
TRP932821	Till	8.09	0.04	53	9.44	0.078	1.8	16.4	16.41	65.9	0.005	<20	0.76	0.246	0.05	0.5	1.0	0.03	0.49	21	0.2
TRP932822	Till	0.04	0.24	67	0.63	0.063	20.1	45.7	1.05	350.5	0.021	<20	4.90	0.016	0.25	<0.1	11.3	0.28	<0.02	34	0.1
TRP932823	Till	0.05	0.19	69	0.74	0.049	17.8	53.1	1.23	296.2	0.008	<20	4.55	0.026	0.27	<0.1	12.5	0.23	<0.02	27	<0.1
TRP932824	Till	0.08	0.32	71	0.71	0.048	23.6	55.4	1.09	317.4	0.009	<20	4.57	0.032	0.20	<0.1	14.9	0.24	<0.02	33	0.2
TRP932825	Till	0.10	0.24	82	0.83	0.052	26.1	55.7	1.34	248.6	0.008	<20	4.33	0.031	0.18	<0.1	20.8	0.33	<0.02	66	0.1
TRP932826	Till	0.04	0.31	86	0.80	0.057	22.0	59.6	0.96	349.6	0.013	<20	4.97	0.037	0.13	<0.1	14.4	0.26	<0.02	88	0.2
TRP932827	Till	0.07	0.33	89	0.81	0.076	25.5	55.3	1.16	339.3	0.017	<20	4.47	0.052	0.18	<0.1	13.9	0.30	<0.02	68	0.2
TRP932828	Till	0.04	0.29	86	0.82	0.087	23.1	58.6	1.29	339.1	0.014	<20	4.30	0.079	0.19	<0.1	11.4	0.26	<0.02	47	0.1
TRP932829	Till	0.05	0.21	72	0.64	0.065	16.8	51.5	1.11	336.9	0.013	<20	4.72	0.023	0.21	<0.1	10.2	0.21	<0.02	31	0.2
TRP932895	Rock Pulp	3.46	0.53	94	0.34	0.084	9.0	32.7	0.72	49.1	0.058	<20	1.14	0.027	0.70	8.2	6.6	0.52	2.63	115	6.4
TRP932896	Till	0.03	0.27	108	0.53	0.078	16.4	57.8	0.96	409.4	0.014	<20	5.11	0.033	0.15	<0.1	8.8	0.20	<0.02	51	0.2
TRP932897	Till	0.03	0.18	67	0.53	0.080	14.0	52.3	0.92	351.5	0.006	<20	4.68	0.019	0.16	<0.1	10.3	0.18	<0.02	38	0.2
TRP932898	Till	0.03	0.20	83	0.55	0.164	15.3	46.6	1.01	424.5	0.009	<20	5.31	0.030	0.16	<0.1	8.2	0.16	<0.02	33	0.1
TRP932899	Till	0.06	0.28	88	0.44	0.142	21.1	56.9	1.03	723.5	0.011	<20	6.43	0.031	0.13	<0.1	13.2	0.22	<0.02	55	0.1
TRP932900	Till	0.06	0.30	76	0.35	0.228	19.8	48.0	0.93	655.7	0.015	<20	7.22	0.027	0.16	<0.1	11.7	0.22	<0.02	67	0.2
TRP095360	Till	<0.02	0.26	90	0.25	0.143	8.6	42.7	0.71	248.2	0.005	<20	4.90	0.017	0.14	<0.1	6.3	0.14	<0.02	44	0.2
TRP095361	Till	0.03	0.25	77	0.69	0.044	15.3	54.7	1.14	384.1	0.007	<20	4.62	0.023	0.20	<0.1	12.3	0.20	<0.02	43	0.1
TRP095362	Till	<0.02	0.23	81	0.49	0.058	14.1	56.3	1.06	320.9	0.007	<20	4.43	0.027	0.18	<0.1	8.4	0.18	<0.02	35	0.3
TRP095363	Till	<0.02	0.20	69	0.60	0.092	15.2	51.0	1.07	364.3	0.009	<20	4.93	0.019	0.20	<0.1	8.7	0.19	<0.02	29	0.2
TRP095364	Till	0.02	0.23	67	0.61	0.078	14.8	51.9	0.96	341.0	0.009	<20	4.97	0.018	0.18	<0.1	8.6	0.17	<0.02	34	0.2

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 07, 2011

CERTIFICATE OF ANALYSIS SMI11000229.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
TRP932891	Till	0.03	10.1	1.93	<0.1	0.08	0.05	15.6	0.3	<0.05	2.8	14.36	73.2	0.06	<1	1.0	22.8	<10	<2
TRP932892	Till	0.04	8.7	1.85	<0.1	0.03	0.03	12.3	0.3	<0.05	1.2	10.29	34.2	0.07	<1	0.9	20.4	<10	<2
TRP932893	Till	0.04	10.3	2.07	<0.1	0.06	0.05	13.8	0.3	<0.05	1.7	8.32	42.0	0.07	<1	0.9	22.1	<10	<2
TRP932894	Till	<0.02	8.7	2.17	<0.1	<0.02	0.03	13.1	0.2	<0.05	0.7	6.09	30.1	0.06	<1	0.7	21.3	<10	<2
TRP932815	Till	<0.02	10.7	1.79	<0.1	0.08	0.12	13.7	0.4	<0.05	2.1	10.44	72.6	0.08	<1	0.9	22.7	<10	<2
TRP932816	Till	0.03	9.6	1.74	<0.1	0.05	0.05	12.1	0.4	<0.05	1.8	26.28	46.9	0.06	<1	0.8	31.3	<10	<2
TRP932817	Till	0.06	11.3	3.33	<0.1	0.03	0.06	14.4	0.6	<0.05	1.1	8.19	22.9	0.09	<1	1.0	21.4	<10	<2
TRP932818	Till	0.07	11.0	3.07	<0.1	0.03	0.04	14.6	0.7	<0.05	1.1	12.03	20.1	0.09	<1	1.0	21.1	<10	<2
TRP932819	Till	0.07	9.5	2.85	<0.1	<0.02	0.06	13.2	0.5	<0.05	0.4	10.73	33.3	0.06	<1	1.1	22.7	<10	<2
TRP932820	Till	0.11	10.1	2.18	<0.1	0.02	0.10	13.3	0.5	<0.05	0.4	7.31	24.3	0.07	<1	1.0	22.3	<10	<2
TRP932821	Till	0.12	2.1	0.53	<0.1	0.04	0.17	3.0	0.6	<0.05	1.5	1.97	3.0	0.03	2	0.5	8.0	<10	<2
TRP932822	Till	0.03	11.1	2.47	<0.1	0.11	0.05	17.9	0.5	<0.05	5.1	12.40	77.9	0.07	<1	0.9	16.3	<10	<2
TRP932823	Till	0.03	10.6	3.12	<0.1	0.11	0.03	21.4	0.5	<0.05	4.2	10.25	42.4	0.07	<1	1.0	18.3	<10	<2
TRP932824	Till	0.05	10.6	2.51	<0.1	0.09	0.03	16.7	0.6	<0.05	4.5	14.70	64.1	0.08	<1	1.0	18.9	<10	<2
TRP932825	Till	0.06	10.4	2.38	<0.1	0.25	0.04	18.5	0.7	<0.05	7.4	27.03	77.6	0.08	<1	1.1	17.9	<10	<2
TRP932826	Till	0.04	11.8	1.67	<0.1	0.18	0.11	16.5	0.6	<0.05	7.2	21.41	130.1	0.08	<1	1.2	19.9	<10	<2
TRP932827	Till	0.05	10.9	2.30	<0.1	0.15	0.09	21.0	0.6	<0.05	6.4	23.06	118.0	0.09	<1	1.2	22.8	<10	<2
TRP932828	Till	0.05	11.1	1.46	<0.1	0.19	0.11	17.3	0.6	<0.05	7.0	18.54	125.4	0.08	<1	1.0	23.8	<10	<2
TRP932829	Till	0.03	10.9	2.52	<0.1	0.05	0.06	18.4	0.5	<0.05	2.2	9.40	58.8	0.06	1	1.0	19.8	<10	<2
TRP932895	Rock Pulp	1.13	4.4	2.81	<0.1	<0.02	0.03	35.6	1.6	<0.05	1.0	8.63	17.9	0.03	306	0.4	4.7	<10	<2
TRP932896	Till	0.05	13.0	2.06	<0.1	0.09	0.20	17.3	0.6	<0.05	3.4	12.30	51.5	0.08	<1	1.0	27.9	<10	<2
TRP932897	Till	0.06	11.1	2.06	<0.1	0.05	0.04	18.0	0.5	<0.05	1.5	7.73	39.8	0.07	<1	0.9	21.2	<10	<2
TRP932898	Till	0.05	12.9	2.29	<0.1	0.07	0.20	18.0	0.7	<0.05	3.0	15.85	132.0	0.07	<1	1.0	34.1	<10	<2
TRP932899	Till	0.05	14.1	2.21	<0.1	0.05	0.06	13.6	0.6	<0.05	2.8	18.79	100.9	0.09	<1	1.4	26.0	<10	<2
TRP932900	Till	0.07	15.3	2.43	<0.1	0.08	0.11	15.0	0.6	<0.05	4.2	17.90	111.8	0.09	<1	1.4	23.5	<10	<2
TRP095360	Till	0.03	13.4	2.46	<0.1	0.03	0.26	19.7	0.7	<0.05	1.1	5.58	18.5	0.07	<1	1.0	30.8	<10	<2
TRP095361	Till	<0.02	11.7	2.95	<0.1	0.08	0.03	16.5	0.6	<0.05	3.1	10.53	27.8	0.07	<1	0.9	20.4	<10	<2
TRP095362	Till	0.03	10.6	2.09	<0.1	0.06	0.11	14.6	0.6	<0.05	2.5	8.60	39.6	0.07	<1	0.9	21.8	<10	<2
TRP095363	Till	0.03	11.0	2.49	<0.1	0.04	0.07	19.5	0.6	<0.05	1.5	8.25	46.1	0.07	<1	0.9	18.9	<10	<2
TRP095364	Till	0.04	11.4	1.27	<0.1	0.04	0.08	17.4	0.5	<0.05	1.8	7.44	86.9	0.07	<1	1.0	18.8	<10	<2

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880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 07, 2011

CERTIFICATE OF ANALYSIS SMI11000229.1

	Method	WGHT	CLSP	CLSP	CLSP	CLSP	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Wgt	Total Wt	Clay R-1	Clay R-2	total Clay	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
	Unit	kg	g	g	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	0.01	0.01	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
TRP095365	Till	2.03		0.58	1.32	1.90	1.74	46.82	18.54	97.7	70	66.9	25.0	1318	5.52	20.7	1.3	0.7	3.9	34.0	0.10
TRP095366	Till	2.76		1.75	<0.01	1.75	0.81	61.45	20.48	105.1	81	63.2	22.2	1741	5.78	14.3	3.6	1.8	5.3	74.6	0.16
TRP095367	Till	2.13		0.31	2.52	2.82	1.47	54.25	18.40	105.0	154	67.8	22.6	944	5.58	18.4	1.4	0.4	5.3	47.1	0.13
TRP095368	Till	1.49		2.16	<0.01	2.16	0.31	60.51	9.32	95.1	23	32.9	15.0	806	4.39	8.0	2.0	2.2	5.8	143.1	0.13
TRP095369	Till	2.31		2.29	<0.01	2.29	0.58	33.47	12.36	105.2	90	40.2	15.4	808	4.93	16.7	4.9	2.4	3.6	80.0	0.14
TRP095370	Till	2.25		0.48	1.07	1.55	1.38	22.55	20.94	191.0	155	32.7	16.3	876	5.16	51.3	0.9	<0.2	2.2	52.0	0.35
TRP095371	Till	3.06		2.58	<0.01	2.58	0.65	31.59	14.07	147.5	170	36.5	14.8	744	5.49	27.7	6.9	1.5	4.2	215.0	0.29
TRP095372	Till	2.20		1.83	<0.01	1.83	0.53	66.76	15.02	122.4	27	63.0	18.8	896	4.79	10.6	1.6	1.6	6.0	91.1	0.11
TRP095373	Till	2.39		1.25	<0.01	1.25	2.81	55.29	19.51	121.3	183	66.4	21.9	1001	6.16	9.8	4.0	1.0	6.5	84.5	0.20
TRP095374	Till	3.63		0.73	<0.01	0.73	1.03	82.94	27.60	130.4	112	68.6	25.3	1878	5.53	18.0	2.3	1.8	9.0	88.5	0.32
TRP095375	Till	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
TRP932830	Rock Pulp	0.18	N.A.	19.51	N.A.	N.A.	143.8	3524	38.20	110.3	3396	24.3	18.4	452	4.45	64.6	0.5	679.5	1.9	24.3	0.65
TA932831	Till	1.30		2.33	<0.01	2.33	0.75	12.59	14.18	100.8	233	17.9	6.5	237	3.99	10.4	1.4	3.7	4.2	143.0	0.05
TA932832	Till	1.91		4.04	<0.01	4.04	1.26	52.60	20.43	163.3	587	37.6	12.5	705	4.77	19.5	1.9	4.8	4.5	151.7	0.24
TA932833	Till	1.58		3.77	<0.01	3.77	1.95	29.62	19.74	171.7	422	18.6	6.8	277	3.62	10.8	0.6	2.5	3.9	95.0	0.23
TA095901	Till	2.24		2.70	<0.01	2.70	0.57	38.70	11.18	124.1	57	27.5	9.5	346	4.92	28.7	1.7	2.8	4.4	117.0	0.09
TA095902	Till	1.88		2.65	<0.01	2.65	0.65	36.31	11.11	121.6	120	30.4	10.5	361	4.90	25.7	2.6	2.9	3.9	147.0	0.11
TA095903	Till	2.04		0.63	<0.01	0.63	0.02	29.91	12.05	34.4	87	8.3	4.4	99	1.94	4.5	2.4	2.5	6.1	181.6	0.03
TA095904	Till	2.54		3.26	<0.01	3.26	0.54	36.40	19.38	95.0	40	23.7	11.1	445	4.31	22.8	1.1	2.0	3.7	84.8	0.05
TA095905	Till	1.70		4.42	<0.01	4.42	1.14	45.78	18.80	151.0	233	30.3	10.8	499	4.71	28.9	3.3	4.1	4.4	120.2	0.12
TA095906	Till	1.84		1.07	<0.01	1.07	1.24	50.37	35.23	132.0	93	44.3	24.4	1647	5.19	22.6	1.1	1.2	4.6	66.7	0.29
TA095907	Till	1.95		0.77	<0.01	0.77	1.58	26.18	29.01	147.9	289	24.2	11.3	581	4.85	22.3	0.8	1.6	3.3	33.9	0.21
TA095908	Till	1.86		1.43	<0.01	1.43	0.95	24.03	22.43	102.8	72	27.6	13.2	378	3.70	13.5	0.8	0.8	1.3	68.5	0.11
TA095909	Till	0.23		1.36	<0.01	1.36	0.64	7.71	15.65	107.7	331	11.1	1.5	190	0.32	18.6	5.1	8.7	0.5	165.0	1.08
TA095910	Till	3.49		1.67	<0.01	1.67	0.62	21.28	16.82	102.5	62	29.7	13.1	782	4.20	11.2	3.2	<0.2	3.6	130.5	0.10
TA095911	Till	2.04		3.39	<0.01	3.39	0.70	41.08	18.09	156.0	328	33.6	10.9	431	4.80	16.2	1.7	2.1	4.1	81.2	0.13
TA095912	Till	1.90		5.91	<0.01	5.91	4.60	69.77	27.77	203.3	463	63.2	33.2	474	7.73	19.0	1.4	1.5	4.5	78.8	0.15
TA095913	Till	3.15		1.36	<0.01	1.36	1.47	24.29	23.24	141.0	234	29.5	13.2	873	4.64	16.3	2.3	1.3	2.7	125.0	0.42
TA095914	Till	2.22		0.85	<0.01	0.85	0.88	29.96	20.26	93.8	66	29.4	15.1	526	4.14	14.0	0.8	0.7	2.5	31.6	0.10
TA095915	Till	2.20		1.41	<0.01	1.41	0.74	30.01	17.41	114.5	20	28.6	13.3	413	4.30	12.4	0.7	0.7	3.1	27.8	0.04

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	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se
	Unit	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm
	MDL	0.02	0.02	2	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
TRP095365	Till	0.07	0.31	80	0.30	0.088	12.1	49.4	1.02	354.4	0.015	<20	5.55	0.015	0.18	<0.1	7.6	0.16	<0.02	55	0.1
TRP095366	Till	0.05	0.36	81	0.73	0.070	27.0	53.5	1.03	324.1	0.007	<20	5.24	0.023	0.15	<0.1	17.3	0.23	<0.02	81	<0.1
TRP095367	Till	0.07	0.34	92	0.28	0.231	15.0	53.4	0.98	387.1	0.017	<20	6.68	0.014	0.16	<0.1	9.2	0.27	<0.02	58	0.2
TRP095368	Till	0.07	0.21	55	1.11	0.048	15.1	29.9	1.29	295.8	0.004	<20	4.43	0.017	0.16	<0.1	15.1	0.16	<0.02	114	<0.1
TRP095369	Till	0.02	0.24	69	0.61	0.060	13.2	37.6	0.67	487.8	0.002	<20	4.25	0.018	0.21	<0.1	12.4	0.39	0.03	71	0.2
TRP095370	Till	0.04	0.30	82	0.34	0.222	9.4	29.4	0.40	489.4	0.005	<20	4.32	0.009	0.15	<0.1	5.1	0.61	0.03	75	0.2
TRP095371	Till	<0.02	0.27	87	0.77	0.059	15.6	41.5	0.73	556.3	0.003	<20	3.61	0.025	0.23	<0.1	13.1	0.54	0.02	57	0.2
TRP095372	Till	0.04	0.21	63	0.61	0.070	23.2	48.2	1.00	361.7	0.012	<20	4.66	0.021	0.19	<0.1	12.1	0.18	<0.02	51	<0.1
TRP095373	Till	0.02	0.31	112	0.80	0.065	23.5	59.9	1.13	393.8	0.019	<20	4.06	0.048	0.11	<0.1	11.3	0.22	<0.02	37	0.1
TRP095374	Till	0.07	0.35	78	0.59	0.181	28.3	53.0	0.91	656.2	0.016	<20	6.83	0.025	0.21	<0.1	14.6	0.22	<0.02	66	0.2
TRP095375	Till	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
TRP932830	Rock Pulp	3.81	0.50	88	0.33	0.080	8.6	31.1	0.67	45.6	0.056	<20	1.06	0.025	0.65	8.4	6.2	0.48	2.50	133	6.3
TA932831	Till	0.08	0.30	52	0.66	0.028	12.4	22.3	0.46	983.6	0.001	<20	2.92	0.019	0.24	<0.1	11.5	0.21	<0.02	126	<0.1
TA932832	Till	0.15	0.50	63	0.63	0.049	15.3	39.9	0.73	648.8	0.003	<20	3.36	0.029	0.25	<0.1	19.8	0.19	<0.02	184	0.3
TA932833	Till	0.14	0.29	37	0.61	0.029	18.0	20.2	0.39	532.6	<0.001	<20	1.79	0.023	0.24	<0.1	8.1	0.12	<0.02	59	<0.1
TA095901	Till	0.03	0.29	70	0.72	0.036	10.8	34.0	0.60	410.4	0.002	<20	3.38	0.021	0.25	<0.1	11.9	0.36	<0.02	77	0.2
TA095902	Till	<0.02	0.27	77	0.70	0.040	13.2	37.0	0.62	638.0	0.002	<20	3.64	0.023	0.20	<0.1	12.5	0.36	<0.02	81	0.2
TA095903	Till	0.02	0.19	22	0.82	0.012	13.0	12.7	0.32	319.1	<0.001	<20	3.47	0.023	0.29	<0.1	7.5	0.26	<0.02	152	<0.1
TA095904	Till	0.03	0.26	63	0.54	0.074	15.3	31.3	0.50	832.7	0.003	<20	3.37	0.020	0.16	<0.1	9.8	0.23	<0.02	80	0.1
TA095905	Till	0.04	0.36	62	0.61	0.033	16.0	34.4	0.71	573.2	0.002	<20	3.30	0.023	0.23	<0.1	11.9	0.22	<0.02	122	0.3
TA095906	Till	0.13	0.76	70	0.36	0.112	15.9	41.2	0.90	618.5	0.016	<20	4.78	0.025	0.22	<0.1	8.7	0.21	<0.02	52	0.4
TA095907	Till	0.04	0.68	76	0.21	0.218	13.9	28.4	0.53	374.4	0.007	<20	4.19	0.022	0.16	<0.1	5.6	0.17	<0.02	64	0.2
TA095908	Till	0.08	0.41	59	0.33	0.049	15.0	26.0	0.63	588.4	0.004	<20	4.27	0.020	0.14	<0.1	4.1	0.16	<0.02	33	0.2
TA095909	Till	7.57	0.08	40	10.32	0.074	1.4	13.3	12.46	53.0	0.005	<20	0.57	0.250	0.05	0.4	0.8	<0.02	0.54	14	0.2
TA095910	Till	0.03	0.42	71	0.53	0.053	16.2	33.1	0.71	457.8	0.005	<20	3.69	0.030	0.15	<0.1	7.7	0.12	<0.02	32	0.2
TA095911	Till	0.03	0.44	68	0.64	0.039	18.6	39.9	0.80	574.2	0.002	<20	3.40	0.026	0.27	<0.1	13.7	0.17	<0.02	142	0.3
TA095912	Till	0.04	0.57	116	0.65	0.055	14.0	46.0	0.72	479.7	0.002	<20	2.94	0.023	0.24	<0.1	17.1	0.18	<0.02	320	0.3
TA095913	Till	0.03	0.46	68	0.78	0.071	16.4	36.0	0.78	794.6	0.003	<20	3.50	0.031	0.21	<0.1	9.8	0.15	0.02	61	0.3
TA095914	Till	0.04	0.35	63	0.23	0.040	12.5	32.8	0.69	303.7	0.007	<20	3.94	0.019	0.13	<0.1	5.5	0.13	<0.02	32	0.2
TA095915	Till	0.04	0.34	61	0.21	0.041	10.4	33.7	0.70	240.1	0.004	<20	4.29	0.015	0.17	<0.1	6.1	0.15	<0.02	49	0.1

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880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 07, 2011

CERTIFICATE OF ANALYSIS SMI11000229.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
TRP095365	Till	0.06	12.3	2.16	<0.1	0.09	0.22	15.5	0.5	<0.05	3.8	8.85	52.0	0.07	<1	0.9	24.6	<10	<2
TRP095366	Till	0.04	12.1	2.51	<0.1	0.09	0.07	11.6	0.6	<0.05	3.0	43.76	123.9	0.08	<1	1.3	37.5	<10	<2
TRP095367	Till	0.07	14.1	2.58	<0.1	0.10	0.13	15.7	0.7	<0.05	4.4	11.13	66.7	0.08	<1	1.4	25.8	<10	<2
TRP095368	Till	0.03	10.7	3.66	<0.1	0.06	<0.02	15.0	0.8	<0.05	1.6	17.25	36.5	0.07	<1	0.8	24.3	<10	<2
TRP095369	Till	0.05	9.0	4.07	<0.1	0.09	0.12	23.8	0.6	<0.05	2.4	20.57	36.3	0.07	<1	1.1	23.9	<10	<2
TRP095370	Till	0.07	11.8	3.41	<0.1	0.03	0.33	20.5	0.7	<0.05	0.9	4.58	25.5	0.06	<1	0.9	23.3	<10	<2
TRP095371	Till	0.06	10.0	4.91	<0.1	0.17	0.09	22.5	0.7	<0.05	3.3	24.47	24.3	0.08	<1	1.1	24.8	<10	<2
TRP095372	Till	0.04	10.7	2.43	<0.1	0.10	0.02	14.9	0.6	<0.05	3.8	15.42	57.3	0.08	<1	0.9	18.3	<10	<2
TRP095373	Till	0.02	11.9	1.20	<0.1	0.18	0.21	11.7	0.9	<0.05	6.0	19.65	54.8	0.08	1	1.0	28.0	<10	<2
TRP095374	Till	0.08	13.9	1.87	<0.1	0.18	0.07	14.9	0.6	<0.05	7.3	16.94	160.2	0.08	<1	1.3	20.3	<10	<2
TRP095375	Till	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
TRP932830	Rock Pulp	1.03	4.0	2.66	<0.1	<0.02	0.04	33.6	1.6	<0.05	1.2	8.15	16.9	0.04	299	0.4	4.3	<10	<2
TA932831	Till	0.09	7.3	5.85	<0.1	0.02	0.02	16.1	0.6	<0.05	0.5	14.64	21.8	0.07	<1	1.1	11.4	<10	<2
TA932832	Till	0.21	7.6	5.82	<0.1	0.12	0.04	17.7	0.7	<0.05	3.1	28.90	22.9	0.11	<1	1.2	31.7	<10	<2
TA932833	Till	0.11	4.1	7.01	<0.1	<0.02	<0.02	13.5	0.5	<0.05	0.2	11.61	30.8	0.04	2	1.0	8.6	<10	<2
TA095901	Till	0.06	8.5	5.03	<0.1	0.06	0.03	18.4	0.7	<0.05	1.5	9.27	19.8	0.07	<1	1.0	14.6	<10	<2
TA095902	Till	0.03	9.0	4.49	<0.1	0.05	0.05	20.0	0.7	<0.05	1.4	17.36	18.5	0.08	<1	1.2	23.1	<10	<2
TA095903	Till	0.04	8.2	22.83	<0.1	0.03	<0.02	34.5	0.6	<0.05	0.6	7.06	29.1	0.04	<1	1.4	5.7	<10	<2
TA095904	Till	0.06	8.4	2.83	<0.1	<0.02	0.04	14.7	0.5	<0.05	0.4	8.95	29.1	0.05	<1	0.9	14.0	<10	<2
TA095905	Till	0.11	8.3	4.14	<0.1	0.04	0.04	14.8	0.6	<0.05	1.5	13.65	24.2	0.06	3	1.2	17.5	<10	<2
TA095906	Till	0.15	10.0	3.32	<0.1	0.04	0.09	20.3	0.6	<0.05	1.9	10.45	68.7	0.07	<1	1.2	17.8	<10	<2
TA095907	Till	0.14	13.7	2.22	<0.1	0.04	0.23	19.1	0.8	<0.05	1.4	4.65	27.6	0.06	<1	0.7	21.5	<10	<2
TA095908	Till	0.09	9.3	6.91	<0.1	<0.02	0.39	22.6	0.6	<0.05	0.5	6.61	32.2	0.05	<1	1.3	29.9	<10	<2
TA095909	Till	0.08	1.7	0.40	<0.1	0.04	0.17	2.6	0.6	<0.05	1.4	1.65	2.3	0.02	1	0.4	6.7	<10	<2
TA095910	Till	0.08	7.7	2.50	<0.1	0.05	0.21	21.0	0.6	<0.05	1.5	10.04	41.7	0.07	<1	0.7	31.0	<10	<2
TA095911	Till	0.15	8.7	2.75	<0.1	0.09	0.05	17.7	0.7	<0.05	2.2	21.22	26.5	0.08	<1	1.1	21.0	<10	<2
TA095912	Till	0.16	9.2	2.47	<0.1	0.02	0.03	19.3	0.7	<0.05	0.8	18.20	28.1	0.09	<1	1.1	14.7	<10	<2
TA095913	Till	0.15	8.7	2.00	<0.1	0.10	0.19	15.4	0.7	<0.05	2.9	17.47	40.8	0.07	<1	0.9	24.0	<10	<2
TA095914	Till	0.09	8.4	2.17	<0.1	<0.02	0.14	16.2	0.6	<0.05	0.8	4.80	26.6	0.06	<1	0.6	18.9	<10	<2
TA095915	Till	0.09	8.4	2.33	<0.1	0.04	0.13	14.1	0.6	<0.05	1.5	3.32	20.8	0.07	<1	0.7	17.2	<10	<2

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Project: Poplar Regional
Report Date: November 07, 2011

CERTIFICATE OF ANALYSIS SMI11000229.1

	Method	WGHT	CLSP	CLSP	CLSP	CLSP	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Wgt	Total Wt	Clay R-1	Clay R-2	total Clay	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
	Unit	kg	g	g	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	0.01	0.01	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
TA938834	Till	1.15		3.02	<0.01	3.02	1.48	46.46	25.04	243.9	138	24.7	10.9	346	4.25	15.8	1.2	4.2	4.6	96.3	0.13
TA938835	Till	1.57		0.90	<0.01	0.90	0.75	59.52	12.38	135.3	46	44.0	14.6	644	5.15	14.7	1.9	1.1	5.6	151.5	0.18
TA938836	Till	3.30		4.34	<0.01	4.34	0.86	54.96	16.63	153.6	78	58.2	20.1	1035	5.25	13.1	1.6	1.2	3.0	88.7	0.24
TA938837	Till	4.27		2.06	<0.01	2.06	0.92	73.88	22.05	175.3	52	66.8	23.7	1588	5.19	15.6	1.4	2.2	3.6	80.3	0.32
TA938838	Till	2.03		2.42	<0.01	2.42	0.70	60.46	14.10	123.8	55	60.9	20.5	978	4.94	12.3	1.1	2.1	2.8	56.0	0.19
TA095916	Till	2.12		1.20	<0.01	1.20	0.84	70.46	25.23	124.5	95	53.8	21.6	1542	5.25	20.1	1.9	1.6	7.4	92.9	0.20
TA095917	Till	1.50		2.96	<0.01	2.96	0.22	62.95	8.67	138.2	126	39.7	14.0	721	4.69	8.5	1.0	2.2	4.1	112.6	0.14
TA095918	Till	2.22		1.61	<0.01	1.61	0.77	47.25	17.48	134.5	82	50.6	19.2	967	4.99	14.2	1.4	0.9	2.2	69.7	0.10
TA095919	Till	1.95		4.16	<0.01	4.16	0.50	47.91	11.50	94.7	63	30.2	12.8	614	4.37	10.8	1.1	1.9	3.5	90.6	0.08
TA095920	Till	2.45		1.12	<0.01	1.12	1.59	18.10	31.89	166.9	200	25.1	17.8	1443	4.34	17.8	1.0	<0.2	1.9	191.1	0.67
TA095921	Till	1.75		2.77	<0.01	2.77	0.80	49.79	20.07	143.3	255	53.6	20.0	1367	4.41	13.3	0.9	1.4	1.2	59.9	0.43
TA095922	Till	2.26		4.67	<0.01	4.67	0.81	50.81	11.92	134.6	80	60.7	17.1	801	5.05	11.3	1.7	2.3	2.9	70.7	0.16
TA095923	Till	2.12		1.57	<0.01	1.57	1.35	44.13	17.60	108.9	202	55.5	14.2	616	5.27	16.4	1.4	1.5	1.9	69.1	0.12
TA095924	Till	2.10		2.45	<0.01	2.45	0.62	49.43	18.74	126.5	65	51.0	17.7	970	4.49	14.2	0.9	1.7	3.1	59.6	0.13
TA095925	Till	1.62		1.32	<0.01	1.32	0.70	87.28	13.12	174.4	213	71.6	15.9	597	5.65	17.4	0.6	1.2	2.9	82.6	0.23
TA932839	Till	1.92		1.35	<0.01	1.35	0.89	36.09	12.18	129.5	66	42.4	13.9	584	5.49	16.8	1.5	2.6	3.3	84.9	0.12
TA932840	Till	3.82		1.41	<0.01	1.41	1.29	53.57	27.27	134.3	65	60.3	24.0	1915	5.38	18.0	1.0	1.8	2.9	53.2	0.24
TA932841	Till	1.19		3.51	<0.01	3.51	1.00	83.35	13.04	166.5	276	50.5	13.7	486	5.48	19.2	1.3	2.1	3.4	88.5	0.11
TA932842	Till	1.53		3.38	<0.01	3.38	0.73	63.48	15.34	143.6	41	57.3	15.4	608	4.98	14.4	0.8	1.5	3.1	60.6	0.15
TA932843	Till	1.51		3.03	<0.01	3.03	0.80	68.83	19.47	147.4	126	46.8	15.0	815	5.10	16.3	1.6	3.3	3.8	69.8	0.26
TA932844	Till	2.55		1.34	<0.01	1.34	0.78	26.04	25.53	109.6	70	47.7	18.0	1536	5.42	16.8	1.5	2.1	3.0	64.1	0.14
TA932845	Till	2.11		1.56	<0.01	1.56	0.85	47.10	19.66	125.0	120	44.4	16.9	1096	5.74	14.2	2.6	3.9	3.4	80.6	0.25
TA932846	Rock Pulp	0.17	N.A.	23.59	N.A.	N.A.	152.0	3555	52.48	132.6	3481	26.1	19.6	527	4.46	86.8	0.7	792.2	2.4	34.5	1.03
TP932847	Till	1.57		1.83	<0.01	1.83	4.03	217.6	87.59	139.6	638	23.5	7.2	237	6.65	18.2	1.2	25.9	3.7	84.7	0.07
TP932848	Till	1.25		1.61	<0.01	1.61	3.29	203.6	35.03	147.6	292	33.1	9.0	315	4.87	13.8	1.1	19.5	1.6	34.2	0.11
TP932849	Till	1.16		0.94	<0.01	0.94	3.31	192.2	31.45	153.3	326	36.2	9.3	324	4.57	13.5	1.1	11.8	1.1	32.0	0.10
TRP932858	Till	2.00		0.74	<0.01	0.74	1.26	44.36	19.70	164.2	319	51.1	18.1	1088	6.12	10.4	1.8	5.3	2.4	113.5	0.29
TRP932859	Till	2.63		2.19	<0.01	2.19	0.59	59.40	15.15	109.0	92	60.2	20.9	1008	4.87	11.4	0.9	2.8	3.3	75.5	0.19

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 07, 2011

CERTIFICATE OF ANALYSIS SMI11000229.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se
	Unit	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm
	MDL	0.02	0.02	2	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
TA938834	Till	0.05	0.45	53	0.58	0.051	35.6	33.4	0.58	343.1	0.002	<20	3.66	0.028	0.22	<0.1	11.5	0.19	<0.02	148	0.2
TA938835	Till	0.12	0.29	70	0.87	0.066	27.2	42.4	0.98	434.7	0.008	<20	3.70	0.039	0.19	<0.1	13.4	0.17	<0.02	74	0.2
TA938836	Till	0.14	0.29	73	0.83	0.068	13.6	48.9	1.21	376.1	0.012	<20	4.20	0.029	0.19	<0.1	9.8	0.15	<0.02	27	0.2
TA938837	Till	0.08	0.30	69	0.70	0.064	18.6	52.1	1.13	381.7	0.005	<20	4.21	0.030	0.17	<0.1	11.8	0.20	<0.02	45	0.5
TA938838	Till	0.07	0.26	70	0.39	0.048	12.7	49.6	1.09	387.7	0.012	<20	4.67	0.025	0.17	<0.1	8.1	0.14	<0.02	26	0.3
TA095916	Till	0.06	0.34	78	0.49	0.137	21.4	50.9	0.80	951.2	0.014	<20	6.53	0.032	0.12	<0.1	11.4	0.21	<0.02	59	0.5
TA095917	Till	0.03	0.23	69	1.09	0.094	18.1	46.3	1.14	367.2	0.003	<20	4.01	0.026	0.22	<0.1	13.3	0.15	<0.02	50	0.3
TA095918	Till	0.03	0.31	79	0.47	0.092	15.6	46.2	0.84	673.3	0.008	<20	5.07	0.026	0.13	<0.1	7.0	0.14	<0.02	42	0.4
TA095919	Till	0.03	0.30	62	0.69	0.054	15.7	35.2	0.79	676.3	0.005	<20	3.96	0.021	0.21	<0.1	11.5	0.20	<0.02	43	0.2
TA095920	Till	0.04	0.41	65	0.68	0.099	12.6	28.5	0.73	706.2	0.004	<20	3.43	0.028	0.19	<0.1	5.5	0.15	<0.02	30	0.3
TA095921	Till	0.13	0.29	64	0.63	0.079	15.2	44.5	0.82	407.2	0.005	<20	3.59	0.018	0.20	<0.1	7.1	0.15	<0.02	45	0.2
TA095922	Till	0.05	0.28	72	0.74	0.049	13.2	52.9	0.93	435.8	0.003	<20	3.67	0.021	0.20	<0.1	12.3	0.15	<0.02	58	0.4
TA095923	Till	0.04	0.41	92	0.50	0.076	10.8	52.3	0.78	462.5	0.004	<20	4.66	0.023	0.17	<0.1	9.4	0.16	0.02	68	0.5
TA095924	Till	0.10	0.29	60	0.41	0.041	17.8	42.2	0.88	393.9	0.005	<20	3.33	0.018	0.19	<0.1	9.3	0.19	<0.02	35	0.2
TA095925	Till	0.04	0.35	75	0.67	0.048	9.4	63.1	0.97	471.5	0.001	<20	3.93	0.035	0.24	<0.1	12.7	0.14	<0.02	44	0.2
TA932839	Till	0.03	0.30	79	0.62	0.039	10.6	48.1	0.82	424.1	0.002	<20	3.67	0.025	0.25	<0.1	11.7	0.22	<0.02	30	0.3
TA932840	Till	0.07	0.61	78	0.34	0.080	12.4	49.8	0.81	399.3	0.005	<20	3.79	0.026	0.14	<0.1	7.6	0.17	<0.02	43	0.4
TA932841	Till	0.09	0.75	77	0.59	0.044	11.9	52.6	0.92	459.1	0.002	<20	3.64	0.036	0.23	<0.1	13.1	0.18	<0.02	74	0.3
TA932842	Till	0.05	0.33	64	0.33	0.060	12.8	52.8	0.99	478.9	0.004	<20	4.20	0.018	0.20	<0.1	10.1	0.12	<0.02	46	0.3
TA932843	Till	0.08	0.48	71	0.44	0.069	18.1	44.4	0.90	532.9	0.004	<20	3.78	0.022	0.23	<0.1	12.5	0.22	<0.02	91	0.2
TA932844	Till	0.03	0.38	88	0.37	0.065	14.0	44.9	0.93	485.9	0.005	<20	3.87	0.029	0.14	<0.1	5.9	0.16	<0.02	36	<0.1
TA932845	Till	<0.02	0.49	87	0.61	0.086	15.3	47.6	0.86	496.4	0.002	<20	4.01	0.023	0.17	<0.1	10.5	0.22	<0.02	72	0.2
TA932846	Rock Pulp	5.25	0.80	85	0.38	0.101	11.3	35.7	0.69	60.0	0.060	<20	1.09	0.025	0.67	10.8	7.0	0.63	2.59	137	7.8
TP932847	Till	0.25	0.86	51	0.13	0.120	13.5	21.5	0.32	590.3	0.004	<20	3.44	0.025	0.27	<0.1	6.2	0.26	0.30	96	1.5
TP932848	Till	0.19	0.53	47	0.11	0.084	10.5	21.7	0.38	222.9	0.003	<20	3.59	0.016	0.15	<0.1	4.5	0.22	0.05	73	0.9
TP932849	Till	0.19	0.52	46	0.12	0.086	10.8	21.6	0.39	211.2	0.003	<20	3.62	0.015	0.14	<0.1	3.7	0.20	0.05	76	0.7
TRP932858	Till	0.10	0.55	133	0.87	0.125	13.0	50.8	1.16	580.0	0.020	<20	5.56	0.055	0.14	<0.1	8.6	0.23	0.03	84	0.3
TRP932859	Till	0.03	0.36	71	0.57	0.074	14.6	50.0	1.01	496.4	0.008	<20	4.41	0.029	0.20	<0.1	9.2	0.23	<0.02	38	0.2

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Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 07, 2011

CERTIFICATE OF ANALYSIS SMI11000229.1

		Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
		Analyte	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		MDL	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
TA938834	Till		0.18	9.1	4.37	<0.1	0.02	0.03	15.6	0.6	<0.05	0.9	19.23	50.4	0.08	<1	1.0	13.4	<10	<2
TA938835	Till		0.05	9.5	2.47	<0.1	0.10	0.05	15.6	0.9	<0.05	4.1	23.57	40.3	0.07	<1	1.1	17.8	<10	<2
TA938836	Till		0.03	10.4	2.60	<0.1	0.05	0.12	15.8	0.7	<0.05	2.6	10.81	36.0	0.08	<1	1.0	22.7	<10	<2
TA938837	Till		0.05	9.8	2.62	<0.1	0.07	0.07	14.3	0.7	<0.05	2.1	13.91	39.1	0.08	<1	0.7	23.6	<10	<2
TA938838	Till		0.03	9.4	2.89	<0.1	0.04	0.11	14.9	0.5	<0.05	1.8	7.56	34.4	0.07	<1	0.8	23.2	<10	<2
TA095916	Till		0.05	12.6	2.14	<0.1	0.12	0.12	12.6	0.7	<0.05	6.2	16.82	176.5	0.09	<1	1.1	19.4	<10	<2
TA095917	Till		<0.02	10.2	2.50	<0.1	0.08	<0.02	17.4	0.7	<0.05	2.1	16.73	29.0	0.08	<1	0.9	17.6	<10	<2
TA095918	Till		0.03	11.1	2.10	<0.1	0.04	0.17	15.5	0.6	<0.05	1.4	10.93	36.4	0.08	<1	1.0	24.0	<10	<2
TA095919	Till		0.07	9.5	2.98	<0.1	<0.02	0.03	18.2	0.6	<0.05	0.6	13.72	28.4	0.06	<1	0.8	19.7	<10	<2
TA095920	Till		0.12	8.9	1.67	<0.1	0.04	0.19	17.5	0.6	<0.05	1.0	7.52	42.5	0.06	<1	0.8	22.5	<10	<2
TA095921	Till		0.03	9.4	2.23	<0.1	0.03	0.22	19.5	0.6	<0.05	1.0	14.62	37.8	0.07	1	0.9	22.7	<10	<2
TA095922	Till		0.03	9.1	2.75	<0.1	0.08	0.08	14.7	0.6	<0.05	2.6	14.83	23.0	0.08	<1	0.8	25.2	<10	<2
TA095923	Till		0.04	11.0	2.96	<0.1	0.04	0.22	18.2	0.8	<0.05	1.6	9.76	25.6	0.10	<1	1.0	28.5	<10	<2
TA095924	Till		0.04	8.3	2.88	<0.1	<0.02	0.07	15.5	0.5	<0.05	0.7	9.36	41.6	0.07	<1	0.9	21.3	<10	<2
TA095925	Till		0.04	10.1	3.42	<0.1	0.04	0.02	13.5	0.7	<0.05	1.0	10.99	16.0	0.09	1	1.1	30.4	<10	<2
TA932839	Till		0.04	9.7	3.16	<0.1	0.10	0.07	16.7	0.7	<0.05	2.1	10.30	19.6	0.08	<1	0.8	19.5	<10	<2
TA932840	Till		0.05	9.3	2.70	<0.1	0.03	0.13	15.6	0.7	<0.05	1.2	9.10	50.0	0.08	2	0.9	23.9	<10	<2
TA932841	Till		0.08	9.7	4.79	<0.1	0.07	0.04	15.9	0.7	<0.05	1.8	16.41	16.0	0.09	<1	1.1	23.3	<10	<2
TA932842	Till		0.08	9.5	2.69	<0.1	0.04	0.05	14.0	0.6	<0.05	1.2	8.17	24.8	0.07	<1	0.9	24.2	<10	<2
TA932843	Till		0.12	9.2	3.05	<0.1	0.03	0.04	18.2	0.7	<0.05	1.0	16.25	40.3	0.08	<1	1.0	24.0	<10	<2
TA932844	Till		0.06	9.7	2.61	<0.1	0.04	0.17	19.8	0.7	<0.05	1.1	7.11	52.7	0.07	<1	1.0	26.4	<10	<2
TA932845	Till		0.07	10.1	3.04	<0.1	0.09	0.16	20.8	0.7	<0.05	2.1	16.18	58.8	0.09	<1	1.1	24.0	<10	<2
TA932846	Rock Pulp		1.19	4.8	3.35	<0.1	<0.02	0.03	43.0	2.4	<0.05	1.3	10.12	21.2	0.07	407	0.5	5.6	<10	<2
TP932847	Till		0.37	7.2	3.95	<0.1	0.05	0.25	12.8	0.5	<0.05	3.1	6.96	21.8	0.10	<1	0.7	9.3	<10	<2
TP932848	Till		0.20	7.1	3.47	<0.1	0.02	0.33	13.4	0.4	<0.05	1.4	7.92	20.9	0.10	<1	0.9	15.4	<10	<2
TP932849	Till		0.16	7.3	3.27	<0.1	0.02	0.45	14.3	0.4	<0.05	1.0	9.27	22.2	0.10	<1	0.7	17.2	<10	<2
TRP932858	Till		0.03	17.2	3.85	<0.1	0.06	0.64	21.6	1.2	<0.05	2.7	11.17	39.5	0.10	<1	0.9	33.5	<10	<2
TRP932859	Till		0.04	10.7	2.50	<0.1	0.03	0.07	19.2	0.6	<0.05	1.8	10.92	42.1	0.08	<1	1.0	22.9	<10	<2

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Project: Poplar Regional
Report Date: November 07, 2011

QUALITY CONTROL REPORT SMI11000229.1

	Method	WGHT	CLSP	CLSP	CLSP	CLSP	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Wgt	Total Wt	Clay R-1	Clay R-2	otal Clay	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd
	Unit	kg	g	g	g	g	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm
	MDL	0.01	0.01	0.01	0.01	0.01	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
Pulp Duplicates																					
TRP932867	Till	1.88		5.62	<0.01	5.62	0.43	38.13	9.64	124.5	51	50.1	14.6	546	4.83	8.8	1.4	1.4	2.5	71.3	0.11
REP TRP932867	QC						0.44	39.28	9.33	124.3	45	52.0	15.1	552	4.87	8.4	1.4	1.1	2.6	68.7	0.11
TRP932824	Till	1.76		2.19	<0.01	2.19	0.38	74.69	18.16	137.2	96	72.6	22.4	1115	5.48	13.5	1.7	2.3	6.9	100.9	0.23
REP TRP932824	QC						0.40	72.96	17.95	133.4	89	72.0	22.4	1093	5.32	13.1	1.7	1.6	6.8	97.4	0.22
TA095918	Till	2.22		1.61	<0.01	1.61	0.77	47.25	17.48	134.5	82	50.6	19.2	967	4.99	14.2	1.4	0.9	2.2	69.7	0.10
REP TA095918	QC						0.78	45.61	17.50	131.0	79	47.5	18.1	915	4.88	14.0	1.4	0.8	2.2	67.4	0.11
TA932844	Till	2.55		1.34	<0.01	1.34	0.78	26.04	25.53	109.6	70	47.7	18.0	1536	5.42	16.8	1.5	2.1	3.0	64.1	0.14
REP TA932844	QC						0.82	25.93	25.70	108.8	70	46.8	18.3	1540	5.45	16.5	1.5	0.9	3.2	64.6	0.15
Reference Materials																					
STD DS8	Standard						14.11	105.9	131.0	324.2	1675	38.5	7.6	644	2.49	22.3	2.9	98.5	6.8	69.2	2.18
STD DS8	Standard						13.68	115.6	131.4	320.0	1732	40.9	8.0	620	2.55	24.4	2.9	107.5	7.4	67.7	2.17
STD DS8	Standard						13.29	108.2	114.9	307.0	1636	35.6	7.3	608	2.43	24.7	2.7	93.4	6.3	68.2	2.51
STD DS8	Standard						12.68	109.1	124.5	305.3	1603	34.9	6.9	586	2.42	24.5	3.2	95.5	7.3	69.2	2.52
STD DS8	Standard						15.20	111.0	127.6	320.0	1788	39.6	7.8	642	2.55	24.9	2.9	103.3	7.2	66.0	2.21
STD OREAS45CA	Standard						0.47	509.5	17.90	58.9	227	247.8	90.0	896	15.30	3.3	1.1	38.9	6.6	13.5	0.07
STD OREAS45CA	Standard						0.72	518.0	20.00	65.1	245	258.3	95.6	953	16.63	3.5	1.3	44.5	7.4	14.1	0.09
STD OREAS45CA	Standard						0.77	465.5	18.97	63.0	261	232.6	82.9	911	14.73	3.9	1.1	39.1	6.5	16.8	0.11
STD OREAS45CA	Standard						0.63	461.0	21.07	61.3	251	233.6	83.2	902	14.95	3.6	1.3	38.7	7.4	16.3	0.10
STD OREAS45CA	Standard						0.49	525.0	19.20	61.2	240	263.0	90.3	923	15.21	3.5	1.1	49.6	6.9	13.9	0.08
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
STD OREAS45CA Expected							1	494	20	60	275	240	92	943	15.69	3.8	1.2	43	7	15	0.1
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
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
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
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
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

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	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se
	Unit	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm
	MDL	0.02	0.02	2	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
Pulp Duplicates																					
TRP932867	Till	<0.02	0.36	63	0.61	0.052	9.9	45.7	0.94	353.7	0.002	<20	3.36	0.020	0.18	<0.1	9.9	0.18	<0.02	34	0.3
REP TRP932867	QC	<0.02	0.32	63	0.61	0.052	10.2	43.2	0.94	340.1	0.002	<20	3.36	0.019	0.18	<0.1	10.1	0.17	<0.02	37	0.2
TRP932824	Till	0.08	0.32	71	0.71	0.048	23.6	55.4	1.09	317.4	0.009	<20	4.57	0.032	0.20	<0.1	14.9	0.24	<0.02	33	0.2
REP TRP932824	QC	0.15	0.23	71	0.69	0.048	22.7	55.0	1.07	301.3	0.012	<20	4.52	0.030	0.20	<0.1	14.6	0.25	<0.02	43	<0.1
TA095918	Till	0.03	0.31	79	0.47	0.092	15.6	46.2	0.84	673.3	0.008	<20	5.07	0.026	0.13	<0.1	7.0	0.14	<0.02	42	0.4
REP TA095918	QC	0.04	0.30	80	0.46	0.090	15.0	44.5	0.83	656.9	0.008	<20	4.98	0.025	0.13	<0.1	6.9	0.14	<0.02	42	0.4
TA932844	Till	0.03	0.38	88	0.37	0.065	14.0	44.9	0.93	485.9	0.005	<20	3.87	0.029	0.14	<0.1	5.9	0.16	<0.02	36	<0.1
REP TA932844	QC	0.03	0.36	89	0.36	0.063	14.0	44.4	0.94	483.1	0.005	<20	3.88	0.028	0.14	<0.1	5.8	0.16	<0.02	35	<0.1
Reference Materials																					
STD DS8	Standard	3.13	6.36	41	0.76	0.072	16.8	127.4	0.62	291.5	0.101	<20	0.99	0.104	0.43	1.9	2.4	5.82	0.17	188	5.2
STD DS8	Standard	4.43	6.32	43	0.75	0.078	17.4	120.3	0.63	298.5	0.114	<20	0.96	0.096	0.43	2.5	2.3	5.87	0.17	187	5.3
STD DS8	Standard	4.68	6.63	39	0.72	0.084	15.6	115.8	0.60	283.5	0.114	<20	0.92	0.090	0.41	2.2	2.2	5.08	0.16	180	4.9
STD DS8	Standard	3.90	7.47	39	0.70	0.083	15.6	110.0	0.60	294.4	0.093	<20	0.91	0.090	0.41	1.7	2.0	5.30	0.16	178	5.1
STD DS8	Standard	4.59	5.38	43	0.77	0.078	17.0	127.7	0.64	301.6	0.119	<20	1.02	0.107	0.44	2.9	2.1	5.95	0.16	250	5.6
STD OREAS45CA	Standard	0.03	0.14	192	0.40	0.035	14.7	774.3	0.14	143.1	0.111	<20	3.98	0.015	0.08	<0.1	36.6	0.12	0.02	24	0.7
STD OREAS45CA	Standard	0.04	0.15	203	0.42	0.037	16.2	796.4	0.15	159.1	0.113	<20	3.89	0.010	0.07	<0.1	38.6	0.11	0.03	32	0.5
STD OREAS45CA	Standard	0.09	0.17	189	0.39	0.037	16.0	656.3	0.15	163.8	0.121	<20	3.67	0.014	0.07	<0.1	36.5	0.07	0.02	28	0.6
STD OREAS45CA	Standard	0.05	0.22	185	0.40	0.039	16.3	660.7	0.15	164.9	0.103	<20	3.72	0.014	0.08	<0.1	35.9	0.14	0.03	31	0.5
STD OREAS45CA	Standard	0.02	0.15	199	0.41	0.035	14.9	770.4	0.15	150.8	0.099	<20	3.97	0.005	0.07	<0.1	36.7	0.11	<0.02	36	0.5
STD DS8 Expected		4.8	6.67	41.1	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
STD OREAS45CA Expected		0.13	0.19	215	0.4265	0.0385	15.9	709	0.1358	164	0.128		3.592	0.0075	0.0717		39.7	0.07	0.021	30	0.5
BLK	Blank	<0.02	<0.02	<2	<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
BLK	Blank	<0.02	<0.02	<2	<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
BLK	Blank	<0.02	<0.02	<2	<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
BLK	Blank	<0.02	<0.02	<2	<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
BLK	Blank	<0.02	<0.02	<2	<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

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 07, 2011

QUALITY CONTROL REPORT SMI11000229.1

	Method	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F
	Analyte	Te	Ga	Cs	Ge	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.02	0.1	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates																			
TRP932867	Till	0.03	8.7	2.59	<0.1	0.03	0.05	12.8	0.3	<0.05	1.0	11.72	20.9	0.06	<1	0.8	20.9	<10	<2
REP TRP932867	QC	0.05	8.3	2.44	<0.1	0.03	0.04	12.5	0.2	<0.05	0.8	11.83	20.1	0.06	<1	0.8	19.8	<10	<2
TRP932824	Till	0.05	10.6	2.51	<0.1	0.09	0.03	16.7	0.6	<0.05	4.5	14.70	64.1	0.08	<1	1.0	18.9	<10	<2
REP TRP932824	QC	0.03	10.1	2.63	<0.1	0.07	0.03	16.6	0.5	<0.05	4.6	14.15	59.8	0.08	<1	0.9	18.1	<10	<2
TA095918	Till	0.03	11.1	2.10	<0.1	0.04	0.17	15.5	0.6	<0.05	1.4	10.93	36.4	0.08	<1	1.0	24.0	<10	<2
REP TA095918	QC	0.02	10.5	2.08	<0.1	0.05	0.16	14.9	0.7	<0.05	1.4	10.72	35.8	0.07	<1	1.0	22.9	<10	<2
TA932844	Till	0.06	9.7	2.61	<0.1	0.04	0.17	19.8	0.7	<0.05	1.1	7.11	52.7	0.07	<1	1.0	26.4	<10	<2
REP TA932844	QC	0.06	9.2	2.60	<0.1	0.02	0.18	20.2	0.7	<0.05	1.2	7.23	53.5	0.07	<1	1.1	26.8	<10	<2
Reference Materials																			
STD DS8	Standard	5.21	5.1	2.57	<0.1	0.02	0.74	38.6	6.4	<0.05	1.0	6.31	30.8	2.18	55	5.1	26.6	126	357
STD DS8	Standard	5.42	5.1	2.60	<0.1	0.06	0.94	39.3	6.3	<0.05	1.5	6.41	30.7	2.29	63	5.5	26.7	127	352
STD DS8	Standard	4.91	4.6	2.44	<0.1	0.06	0.74	36.6	6.9	<0.05	1.5	5.76	26.7	2.20	58	4.2	27.3	86	321
STD DS8	Standard	4.81	4.5	2.49	<0.1	0.03	0.61	41.3	7.1	<0.05	1.3	5.52	26.4	2.41	64	5.1	29.2	96	320
STD DS8	Standard	5.64	5.2	2.65	<0.1	0.07	1.10	41.2	6.5	<0.05	1.5	6.68	32.0	2.28	59	5.6	27.0	133	351
STD OREAS45CA	Standard	0.05	18.6	1.21	0.1	0.34	0.07	9.0	1.5	<0.05	14.2	7.48	32.3	0.09	<1	0.6	8.4	26	62
STD OREAS45CA	Standard	0.05	19.9	1.23	0.2	0.36	0.09	9.2	1.7	<0.05	14.9	8.18	35.1	0.10	<1	0.6	8.1	25	59
STD OREAS45CA	Standard	<0.02	18.2	1.16	0.1	0.46	0.12	9.8	2.0	<0.05	19.0	7.94	34.4	0.10	<1	0.6	7.3	39	56
STD OREAS45CA	Standard	0.06	18.7	1.16	<0.1	0.37	0.08	9.9	2.0	<0.05	17.7	8.11	33.9	0.12	<1	0.6	8.7	24	61
STD OREAS45CA	Standard	<0.02	19.1	1.10	0.1	0.29	0.07	8.9	1.6	<0.05	12.8	7.89	34.3	0.09	<1	0.7	7.8	33	61
STD DS8 Expected		5	4.7	2.48	0.13	0.08	1.1	39	6.7	0.003	2.1	6.1	29.8	2.19	55	5.2	26.34	110	339
STD OREAS45CA Expected		0.06	18.4	1.03	0.11	0.5	0.22	8.2	1.8		21.6	7.84	35	0.09			6.2	36	61
BLK	Blank	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2

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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Submitted By: Andrew Gourlay
Receiving Lab: Canada-Smithers
Received: August 03, 2011
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

CLIENT JOB INFORMATION

Project: Poplar Regional
Shipment ID: PRG#2
P.O. Number
Number of Samples: 103

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	103	Dry at 60C			SMI
SS80	96	Dry at 60C sieve 100g to -80 mesh			SMI
RJSV	103	Saving all or part of Soil Reject			VAN
1SLO	94	Partial Leach with 0.1 M sodium pyrophosphate by ICP-MS	1	Completed	VAN
1F05	69	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN

ADDITIONAL COMMENTS

Invoice To: Lions Gate Metals Inc.
880 - 609 Granville St.
Vancouver BC V7Y 1G5
Canada

CC: Lorie Farrell

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Project: Poplar Regional
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

	Method	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO
	Analyte	Ag	Al	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
	Unit	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
	MDL	3	1	100	1	50	20	5	5	20	5	20	5	20	5	5	5	5	50	5	50
AHW096151	Soil	33	3514	1165	2	25219	399	91	3880	353	7808	1436	19	3002	1848	1073	500	4956	127	2249	<50
AHW096152	Soil	44	1358	1456	<1	33330	185	35	4427	297	3373	2557	10	1081	509	322	135	5652	<50	620	<50
AHW096153	Soil	25	1001	134	<1	25346	27	8	1685	124	1235	222	7	510	72	30	20	307	<50	56	<50
AHW096154	Soil	15	599	<100	<1	38896	<20	10	2438	146	467	317	12	1293	25	20	<5	279	126	37	<50
AHW096155	Soil	10	941	<100	<1	17305	22	5	1939	300	477	389	9	1215	34	15	7	282	135	45	<50
AHW096156	Rock Pulp	20	890	3342	<1	2328	43	20	857	67	666	181	258	191010	112	46	28	295	244	91	<50
AHW096157	Soil	63	6990	1727	1	93626	701	127	9343	348	43088	1194	193	7391	5548	2582	1728	5490	1081	7392	118
AHW096158	Soil	11	1712	395	2	29349	21	22	1180	167	1015	251	28	1775	57	27	11	2090	345	99	<50
AHW096159	Soil	21	673	<100	<1	14288	38	6	2210	95	4736	165	58	222	662	341	198	363	<50	911	<50
AHW096160	Soil	14	724	<100	2	8724	32	7	2470	207	1761	197	119	367	63	23	27	363	<50	103	<50
AHW096161	Soil	15	2156	297	2	21645	87	11	2635	76	2848	416	57	842	61	24	22	1190	374	118	<50
AHW096162	Soil	18	4177	512	2	62905	135	41	3257	79	3206	750	112	1467	248	115	70	2407	534	344	<50
AHW096163	Soil	33	1069	215	<1	18146	143	11	3500	96	3409	428	29	1354	394	192	97	752	129	464	<50
AHW096164	Soil	22	2832	477	<1	46060	138	30	1574	57	5439	761	108	1998	411	187	118	2070	589	607	<50
AHW096165	Soil	17	753	163	<1	24339	22	<5	1138	59	457	443	9	694	51	18	8	466	94	76	<50
AHW096166	Soil	16	470	<100	<1	9412	42	5	3425	175	271	189	17	683	49	31	12	196	86	58	<50
AHW096167	Soil	5	67	298	1	1763	<20	9	2405	42	43	60	13	327	7	<5	<5	49	<50	11	<50
AHW096168	Soil	16	2237	183	<1	33089	37	8	3532	197	977	360	25	2632	92	43	23	1001	250	111	<50
AHP096169	Soil	34	4394	2192	2	82724	495	113	4854	1627	2702	1758	26	21300	414	180	109	4232	363	515	<50
AHP096170	Soil	18	1352	1188	<1	69513	107	86	5143	648	2392	1834	31	8074	167	62	35	2011	251	195	<50
AHP096171	Soil	13	442	<100	<1	1458	156	<5	4187	465	470	69	35	21610	676	488	187	55	<50	804	<50
AHP096172	Rock Pulp	14	884	3316	2	2271	39	15	865	74	622	166	247	160145	82	39	28	287	252	101	<50
AHP096173	Soil	13	993	998	<1	13709	74	42	6065	651	988	1095	35	6199	114	62	28	1534	160	149	<50
AHP096174	Soil	14	562	940	2	6354	96	27	4768	401	186	450	11	7098	41	24	10	729	<50	48	<50
AHP096175	Soil	50	3841	1265	<1	40794	216	90	5651	1830	1133	1604	42	44983	368	189	106	850	199	458	<50
AHP096176	Soil	104	3855	486	1	15008	519	39	3650	1264	6037	9052	78	166521	3693	2149	1100	3287	254	4547	<50
AHP096177	Soil	24	2038	462	<1	76900	54	20	1857	417	657	1135	64	17098	137	55	29	1810	178	167	<50
AHP096178	Soil	12	60	290	<1	1453	20	<5	2382	40	44	70	10	161	14	7	<5	49	52	17	<50
AHP096179	Soil	33	126	<100	<1	1331	35	<5	5151	161	71	176	12	16051	85	60	22	24	<50	84	<50
AHP096180	Soil	14	288	<100	<1	14554	42	<5	1547	356	120	1519	68	4518	19	<5	<5	184	<50	30	<50

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880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

	Method	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO
	Analyte	Hf	Hg	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Re	Sb	Sc
	Unit	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	MDL	20	5	20	10	5	5	20	5	1	50	10	10	5	50	20	5	5	2	5	100
AHW096151	Soil	126	24	382	<10	82	4864	89	168	855	127451	556	94	8023	1257	1405	1705	285	3	51	4895
AHW096152	Soil	26	14	105	<10	118	1764	<20	56	928	248638	480	26	2468	514	490	554	509	<2	19	831
AHW096153	Soil	<20	<5	<20	<10	98	768	<20	<5	339	10472	255	22	576	183	1188	159	393	<2	<5	454
AHW096154	Soil	<20	56	<20	<10	239	204	27	<5	365	924060	162	16	215	302	1503	49	1530	<2	<5	358
AHW096155	Soil	<20	19	<20	<10	296	241	<20	<5	450	573386	140	10	232	389	1302	60	1810	<2	<5	367
AHW096156	Rock Pulp	<20	6	<20	<10	214	298	155	<5	477	34131	833	<10	292	438	3000	66	1782	5	194	943
AHW096157	Soil	152	31	1027	13	115	31418	1161	294	1262	385385	623	255	35344	3253	1858	8397	1188	4	106	7501
AHW096158	Soil	<20	16	<20	<10	92	595	110	<5	144	84855	159	113	451	743	1410	113	424	<2	<5	618
AHW096159	Soil	<20	37	125	<10	172	2677	<20	38	314	17883	78	<10	3732	278	762	846	1330	<2	<5	832
AHW096160	Soil	<20	12	<20	<10	93	1445	20	<5	314	7754	164	22	1036	231	912	294	1467	<2	<5	788
AHW096161	Soil	43	10	<20	<10	63	2118	185	<5	465	78198	487	103	950	854	958	294	549	<2	5	953
AHW096162	Soil	167	47	43	<10	103	1423	258	16	297	334225	335	139	1564	1180	827	371	1275	<2	14	1483
AHW096163	Soil	<20	45	76	<10	99	1806	107	20	558	100433	181	38	2029	666	1042	484	336	<2	6	1200
AHW096164	Soil	43	27	77	<10	94	2899	536	21	320	124537	287	130	2869	1060	1271	725	846	<2	23	1921
AHW096165	Soil	22	28	<20	<10	79	273	33	<5	399	847910	751	17	300	377	291	72	145	<2	<5	420
AHW096166	Soil	<20	25	<20	<10	97	171	57	<5	451	229360	88	<10	264	264	652	55	273	<2	<5	439
AHW096167	Soil	<20	11	<20	<10	48	27	52	<5	2838	15873	54	<10	31	305	1022	5	305	<2	117	<100
AHW096168	Soil	46	<5	<20	<10	125	507	149	<5	361	51009	214	64	520	1546	767	130	453	<2	6	1103
AHP096169	Soil	74	25	75	23	39	1393	91	20	617	368951	247	128	1605	12511	2138	364	443	<2	28	2338
AHP096170	Soil	31	12	25	<10	73	724	69	8	456	607598	384	74	747	5086	1831	180	799	<2	11	957
AHP096171	Soil	<20	26	158	<10	55	590	<20	88	598	99541	271	<10	1342	10298	95	257	524	<2	6	516
AHP096172	Rock Pulp	<20	<5	<20	<10	197	238	165	7	470	33095	774	<10	341	417	2832	60	1739	5	188	1026
AHP096173	Soil	25	48	<20	<10	97	276	163	7	437	307366	223	56	409	5194	922	93	670	<2	10	849
AHP096174	Soil	<20	41	<20	<10	88	102	<20	<5	1105	82644	179	16	129	2399	391	25	508	<2	16	265
AHP096175	Soil	58	24	73	<10	49	1519	102	22	394	408706	148	81	1519	36271	1061	376	639	<2	57	1444
AHP096176	Soil	81	32	747	<10	35	5622	42	327	421	1.14758	1569	101	10379	78949	1153	2060	272	3	99	3386
AHP096177	Soil	29	66	26	<10	66	460	62	6	373	643380	941	78	571	5485	427	132	498	<2	105	527
AHP096178	Soil	<20	14	<20	<10	45	31	61	<5	2680	17089	57	<10	29	334	979	7	307	<2	112	113
AHP096179	Soil	<20	15	<20	<10	44	65	29	11	521	19214	1618	<10	172	2234	71	34	239	5	16	442
AHP096180	Soil	<20	33	<20	<10	143	43	<20	<5	499	137853	1561	<10	81	1359	603	13	742	4	5	<100

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

	Method	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1F15
	Analyte	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Volume	Mo
	Unit	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ml	ppm
	MDL	200	5	20	20	20	5	20	20	1	5	5	5	50	10	5	5	100	20	0	0.01
AHW096151	Soil	<200	2168	33	24453	<20	303	<20	1149	37	15	161	2043	2987	16	12337	1154	14194	5134	20.00	I.S.
AHW096152	Soil	<200	587	<20	36238	<20	92	<20	247	<1	18	46	366	1763	<10	3940	350	9904	1038	20.00	I.S.
AHW096153	Soil	<200	109	<20	20284	<20	13	<20	355	<1	<5	<5	67	250	<10	431	20	9069	295	20.00	I.S.
AHW096154	Soil	<200	39	24	10347	<20	<5	<20	72	3	64	<5	21	202	<10	170	14	23133	213	20.00	1.23
AHW096155	Soil	<200	50	<20	14194	<20	6	<20	66	4	21	<5	22	253	<10	206	18	42695	173	20.00	I.S.
AHW096156	Rock Pulp	<200	99	37	5515	<20	16	55	138	<1	48	<5	66	2727	4638	412	33	7646	215	20.00	I.S.
AHW096157	Soil	<200	7627	67	69399	27	1014	<20	3651	70	35	332	2061	7786	17	31445	2021	10866	6069	20.00	1.52
AHW096158	Soil	<200	73	28	7200	<20	10	<20	411	20	<5	<5	65	1537	<10	296	21	8982	796	20.00	0.78
AHW096159	Soil	<200	808	30	11920	<20	121	<20	188	3	<5	41	146	307	<10	4541	274	8801	440	20.00	I.S.
AHW096160	Soil	<200	142	20	15050	<20	11	<20	221	<1	<5	<5	86	370	<10	362	18	16007	414	20.00	1.62
AHW096161	Soil	<200	136	48	29246	<20	12	<20	469	35	6	<5	120	1491	<10	379	18	4962	1440	20.00	2.54
AHW096162	Soil	<200	337	55	24745	<20	49	22	1050	40	30	13	225	2537	<10	1333	99	9632	4691	20.00	1.06
AHW096163	Soil	<200	430	25	16099	<20	70	<20	289	16	<5	25	323	982	<10	2592	136	16849	706	20.00	I.S.
AHW096164	Soil	<200	619	65	13857	<20	73	<20	458	23	14	21	246	3417	12	2380	160	10565	1466	20.00	1.04
AHW096165	Soil	<200	69	<20	13550	<20	8	<20	126	<1	22	<5	64	269	<10	222	14	28267	617	20.00	I.S.
AHW096166	Soil	<200	52	<20	10532	<20	9	<20	72	<1	11	<5	33	319	<10	339	16	53070	268	20.00	I.S.
AHW096167	Soil	<200	<5	24	3486	<20	<5	24	45	<1	<5	<5	459	828	27	59	5	5145	57	20.00	I.S.
AHW096168	Soil	<200	110	40	19292	<20	17	<20	480	16	<5	5	70	1365	<10	541	35	24522	1128	20.00	1.36
AHP096169	Soil	<200	389	<20	35215	<20	73	<20	875	<1	9	24	180	1854	<10	2460	153	87624	1979	20.00	1.53
AHP096170	Soil	<200	184	<20	46353	<20	32	<20	663	5	9	9	61	1550	<10	790	46	68618	758	20.00	1.34
AHP096171	Soil	<200	500	<20	28707	<20	118	<20	48	<1	9	73	230	86	<10	8166	529	77742	391	20.00	I.S.
AHP096172	Rock Pulp	<200	88	42	5377	<20	14	41	155	<1	47	<5	64	2746	3939	379	37	7306	150	20.00	I.S.
AHP096173	Soil	<200	102	<20	44811	<20	22	<20	287	<1	9	6	59	1760	<10	650	47	55984	595	20.00	0.82
AHP096174	Soil	<200	31	<20	19905	<20	8	<20	93	<1	5	<5	30	240	<10	328	20	220300	326	20.00	0.79
AHP096175	Soil	<200	387	<20	40138	<20	70	47	995	<1	15	23	85	892	<10	2602	160	131746	1581	20.00	1.86
AHP096176	Soil	<200	3183	31	49181	<20	646	<20	852	<1	23	292	1393	467	11	30728	2034	68131	2574	20.00	5.58
AHP096177	Soil	<200	132	25	87785	<20	22	24	491	<1	15	7	54	250	12	764	45	326415	994	20.00	6.78
AHP096178	Soil	<200	10	30	3663	<20	<5	22	39	<1	<5	<5	466	743	41	72	<5	4925	66	20.00	I.S.
AHP096179	Soil	<200	67	<20	44320	<20	15	<20	62	<1	<5	9	107	<50	<10	815	75	74501	374	20.00	I.S.
AHP096180	Soil	<200	14	<20	107107	<20	<5	<20	45	<1	<5	<5	18	71	<10	98	<5	228277	167	20.00	9.22

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	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	0.01	0.001	0.5
AHW096151	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096152	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096153	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096154	Soil	6.43	4.97	38.1	292	1.7	0.8	1085	0.28	0.4	<0.1	<0.2	0.2	16.1	0.18	0.13	0.11	6	0.27	0.097	2.1
AHW096155	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096156	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096157	Soil	33.47	11.91	65.2	737	15.8	9.4	1713	1.87	4.1	2.9	6.5	0.7	119.4	0.56	0.53	0.25	25	1.09	0.095	57.8
AHW096158	Soil	9.98	6.65	38.2	92	5.4	1.8	152	1.17	1.7	0.2	0.8	0.3	13.4	0.34	0.18	0.12	28	0.17	0.040	4.3
AHW096159	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096160	Soil	5.54	3.54	36.5	224	2.4	0.8	24	0.32	0.1	0.2	0.6	0.1	46.9	0.33	0.14	0.07	7	0.51	0.065	4.3
AHW096161	Soil	10.37	6.17	36.9	164	7.7	2.9	183	0.92	1.1	0.3	<0.2	0.2	58.1	0.17	0.12	0.11	20	0.56	0.043	6.0
AHW096162	Soil	13.21	6.15	65.8	254	9.0	4.9	885	1.39	2.3	0.5	1.5	0.2	41.4	0.18	0.15	0.13	25	0.48	0.097	5.4
AHW096163	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096164	Soil	11.59	6.11	52.7	307	5.7	3.2	282	1.20	1.3	0.5	<0.2	0.2	18.9	0.12	0.17	0.13	26	0.22	0.041	7.3
AHW096165	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096166	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096167	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096168	Soil	15.20	3.86	76.7	198	7.6	2.0	111	0.67	1.2	0.2	0.7	<0.1	57.6	0.32	0.12	0.10	15	0.61	0.065	2.7
AHP096169	Soil	59.01	28.01	311.1	223	39.6	23.9	3217	3.77	27.3	0.3	1.2	0.1	125.6	3.88	0.50	0.89	35	1.19	0.208	7.4
AHP096170	Soil	38.29	14.29	223.8	183	27.5	14.0	2103	1.95	9.1	0.2	0.6	0.1	83.0	1.65	0.44	0.35	25	0.78	0.084	3.9
AHP096171	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096172	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096173	Soil	24.54	7.57	136.8	91	20.5	7.2	1275	1.28	5.3	0.2	0.3	0.2	256.6	1.44	0.19	0.14	22	1.78	0.073	3.4
AHP096174	Soil	34.44	5.66	388.2	117	10.5	5.3	772	0.69	9.0	<0.1	0.2	0.1	233.6	1.56	0.29	0.24	4	2.70	0.129	1.6
AHP096175	Soil	159.3	29.13	1151	510	113.2	50.3	7982	5.82	25.5	0.2	<0.2	0.3	166.9	8.75	2.96	1.62	29	1.21	0.175	7.3
AHP096176	Soil	619.2	28.18	295.5	855	221.8	91.9	4961	2.17	4.5	1.9	0.6	0.2	247.0	6.07	1.00	0.28	11	1.28	0.174	32.6
AHP096177	Soil	66.32	10.66	707.5	219	20.0	12.9	4826	5.61	11.6	0.1	3.8	<0.1	224.4	1.58	6.18	0.42	11	1.27	0.207	2.2
AHP096178	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096179	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096180	Soil	37.70	3.94	316.4	174	8.1	4.3	465	0.20	0.8	<0.1	1.3	<0.1	406.5	2.41	0.49	0.10	<2	1.70	0.120	<0.5

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Project: Poplar Regional
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02
AHW096151	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096152	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096153	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096154	Soil	3.2	0.04	106.7	0.012	3	0.16	0.011	0.11	<0.1	0.4	0.15	0.07	282	0.2	0.02	1.0	0.55	<0.1	<0.02	0.13
AHW096155	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096156	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096157	Soil	17.7	0.28	340.3	0.016	<1	1.92	0.009	0.07	0.1	3.9	0.16	0.06	143	0.8	0.07	5.8	1.22	0.2	0.03	0.51
AHW096158	Soil	13.0	0.05	109.6	0.032	<1	0.46	0.008	0.05	<0.1	1.1	0.03	0.02	78	0.1	0.05	3.4	0.55	<0.1	<0.02	0.31
AHW096159	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096160	Soil	4.3	0.05	106.6	0.012	<1	0.22	0.008	0.06	<0.1	0.7	<0.02	0.09	182	0.1	0.02	1.1	1.79	<0.1	<0.02	0.13
AHW096161	Soil	13.2	0.13	110.9	0.021	1	0.81	0.009	0.05	<0.1	0.9	0.03	0.06	106	0.1	<0.02	4.4	0.80	<0.1	0.04	0.43
AHW096162	Soil	14.6	0.16	199.1	0.024	<1	1.15	0.007	0.08	<0.1	1.3	0.14	0.03	124	<0.1	<0.02	3.9	0.86	<0.1	0.02	0.51
AHW096163	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096164	Soil	12.1	0.13	111.0	0.024	1	0.74	0.006	0.05	<0.1	1.3	0.06	0.02	86	<0.1	0.02	3.6	0.61	<0.1	<0.02	0.34
AHW096165	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096166	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096167	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096168	Soil	8.4	0.09	186.4	0.023	2	0.49	0.007	0.08	<0.1	0.9	0.02	0.06	152	0.2	0.14	2.5	0.45	<0.1	<0.02	0.27
AHP096169	Soil	16.3	0.20	655.5	0.009	1	1.11	0.005	0.06	<0.1	0.8	0.04	0.12	57	0.3	0.45	3.8	1.67	<0.1	<0.02	1.50
AHP096170	Soil	10.7	0.18	397.4	0.011	2	0.65	0.006	0.09	<0.1	0.8	0.03	0.08	47	0.3	0.09	2.3	1.93	<0.1	<0.02	0.58
AHP096171	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096172	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096173	Soil	8.2	0.16	196.9	0.011	7	0.52	0.005	0.09	<0.1	0.9	0.04	0.08	101	0.2	0.05	2.0	1.07	<0.1	<0.02	0.44
AHP096174	Soil	3.1	0.22	206.2	0.005	18	0.18	0.005	0.07	<0.1	0.5	0.03	0.22	149	0.2	0.22	0.6	1.10	<0.1	0.02	0.26
AHP096175	Soil	17.6	0.18	567.8	0.021	4	1.36	0.003	0.11	<0.1	1.1	0.08	0.10	40	0.3	1.47	5.4	6.49	<0.1	<0.02	2.15
AHP096176	Soil	6.2	0.09	183.0	0.011	3	0.65	0.008	0.05	0.1	1.4	0.16	0.18	96	1.2	0.15	1.8	4.24	<0.1	0.02	0.58
AHP096177	Soil	4.4	0.07	646.2	0.008	7	0.45	0.010	0.06	<0.1	0.3	0.12	0.12	85	0.7	0.25	2.7	3.73	<0.1	<0.02	1.24
AHP096178	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096179	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096180	Soil	1.7	0.10	87.7	0.002	10	0.07	0.010	0.06	<0.1	0.3	0.05	0.24	153	0.2	<0.02	0.2	0.78	<0.1	<0.02	0.10

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
AHW096151	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096152	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096153	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096154	Soil	4.6	0.2	<0.05	0.2	0.44	4.5	<0.02	<1	<0.1	0.3	<10	<2
AHW096155	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096156	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096157	Soil	7.1	0.3	<0.05	0.9	44.48	83.5	0.03	<1	2.0	7.7	<10	<2
AHW096158	Soil	4.3	0.2	<0.05	0.3	1.08	8.5	<0.02	<1	0.2	1.0	*	<2
AHW096159	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096160	Soil	5.8	0.2	<0.05	0.4	0.68	5.6	<0.02	<1	0.1	0.6	<10	<2
AHW096161	Soil	5.2	0.3	<0.05	1.7	0.93	9.2	<0.02	<1	0.1	1.2	<10	<2
AHW096162	Soil	9.1	0.3	<0.05	0.8	2.73	11.7	<0.02	<1	0.2	3.4	<10	<2
AHW096163	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096164	Soil	3.9	0.3	<0.05	0.5	3.49	14.2	<0.02	<1	0.3	3.0	<10	<2
AHW096165	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096166	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096167	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096168	Soil	3.2	0.2	<0.05	0.5	1.04	5.0	<0.02	<1	<0.1	1.0	<10	2
AHP096169	Soil	13.9	0.3	<0.05	0.3	4.78	14.8	0.06	<1	0.7	4.7	<10	<2
AHP096170	Soil	16.7	0.2	<0.05	0.3	1.72	10.5	<0.02	<1	0.4	3.4	<10	<2
AHP096171	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096172	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096173	Soil	15.3	0.2	<0.05	0.6	1.74	8.8	<0.02	<1	0.3	3.0	<10	<2
AHP096174	Soil	7.8	<0.1	<0.05	0.5	1.10	2.6	<0.02	<1	<0.1	1.2	<10	<2
AHP096175	Soil	28.4	0.5	<0.05	0.4	5.01	15.9	0.03	<1	0.6	9.7	<10	<2
AHP096176	Soil	7.3	0.2	<0.05	0.8	61.05	37.3	<0.02	<1	0.5	1.6	<10	<2
AHP096177	Soil	12.1	0.4	<0.05	<0.1	1.45	4.7	0.02	<1	0.3	1.2	<10	<2
AHP096178	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096179	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096180	Soil	2.1	<0.1	<0.05	0.2	0.34	0.7	<0.02	1	<0.1	0.2	<10	<2

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

	Method	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO
	Analyte	Ag	Al	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
	Unit	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
	MDL	3	1	100	1	50	20	5	5	20	5	20	5	20	5	5	5	5	50	5	50
AHP096181	Soil	26	1368	661	2	11105	71	8	4402	1380	439	1869	80	41942	85	40	17	1228	70	66	<50
AHP096182	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096183	Rock Pulp	13	953	3489	2	2007	72	20	954	73	565	163	260	161217	86	39	29	304	249	98	<50
AHP096184	Soil	116	2821	4590	1	14073	151	56	6433	653	987	810	549	155061	524	308	116	1810	278	501	<50
AHP096185	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096186	Soil	46	2393	3348	<1	10771	74	35	6191	519	742	1544	168	66596	221	150	61	1557	252	253	<50
AHP096187	Soil	57	1957	2707	<1	8364	50	28	5380	548	550	1162	234	80004	252	176	64	1240	189	252	<50
AHP096188	Soil	13	1378	1919	<1	27604	30	16	2837	270	1417	779	37	12786	114	59	41	1298	233	173	<50
AHW096251	Soil	60	6297	401	<1	30899	309	34	3609	105	13243	2218	83	2195	1973	818	628	3871	457	2676	<50
AHW096252	Soil	13	1253	218	<1	27973	65	17	1303	80	2228	325	9	664	207	92	65	1093	149	253	<50
AHW096253	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096254	Soil	16	1099	103	<1	28152	70	11	2732	131	2228	410	13	834	231	113	72	851	88	279	<50
AHW096255	Soil	26	248	<100	<1	24800	<20	<5	1985	230	659	213	64	498	62	21	18	93	<50	85	<50
AHW096256	Soil	11	495	<100	<1	24966	<20	5	2124	106	247	293	25	884	21	10	<5	240	94	27	<50
AHW096257	Soil	31	7887	782	1	31726	343	53	4443	350	15585	805	98	4126	3321	1452	1031	4995	674	4209	53
AHW096258	Soil	10	522	<100	<1	8646	<20	<5	1070	64	108	217	7	639	20	8	<5	405	145	16	<50
AHW096259	Soil	14	1184	303	<1	26416	36	9	2848	243	576	395	13	770	46	22	9	931	141	48	<50
AHW096260	Soil	42	2791	660	<1	19375	137	44	4663	156	2479	984	111	3023	438	198	131	2175	548	538	<50
AHW096261	Soil	23	547	<100	<1	13566	26	7	2409	132	311	144	18	619	53	23	8	226	<50	40	<50
AHW096262	Soil	40	5472	688	<1	29339	435	37	3919	220	7959	597	85	3837	2130	1063	696	3309	305	2732	<50
AHW096263	Soil	54	3611	396	<1	41828	256	22	4746	294	10237	435	58	3733	2750	1334	941	1732	221	3681	<50
AHW096264	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096265	Soil	44	3952	731	<1	27054	522	21	5970	322	6828	223	47	4654	3539	1939	1142	1927	96	4592	<50
AHW932751	Soil	20	1301	435	<1	31611	<20	27	1229	108	762	288	40	1151	41	17	11	1473	271	35	<50
AHW932752	Soil	21	1131	146	<1	38215	53	9	5638	359	572	331	22	1000	44	22	5	729	290	76	<50
AHW932753	Soil	13	2529	232	<1	41413	94	34	1392	161	1452	306	22	2552	80	43	27	1743	275	81	<50
AHW932754	Soil	9	1291	240	<1	25516	27	14	2593	99	446	264	25	701	28	14	7	830	205	37	<50
AHW932755	Soil	19	1510	109	<1	36580	58	11	2102	405	704	462	16	1851	49	20	11	753	238	48	<50
AHW932756	Rock Pulp	11	718	2959	2	1971	27	13	1054	63	521	153	228	141637	78	32	27	260	199	86	<50
AHW932757	Soil	34	1867	404	<1	33994	48	12	2840	143	4116	259	74	1327	330	162	122	1331	327	539	<50

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	Analyte	Hf	Hg	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Re	Sb	Sc
	Unit	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	MDL	20	5	20	10	5	5	20	5	1	50	10	10	5	50	20	5	5	2	5	100
AHP096181	Soil	<20	15	<20	<10	72	139	63	<5	601	497127	1765	96	209	4546	815	47	657	2	24	1206
AHP096182	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096183	Rock Pulp	<20	<5	<20	<10	203	281	189	<5	487	31080	816	13	330	467	2575	80	1726	3	191	1174
AHP096184	Soil	194	40	110	<10	57	605	1626	64	600	62318	6749	100	1359	15271	1009	258	1628	9	413	8947
AHP096185	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096186	Soil	61	15	44	<10	75	378	402	26	368	591028	5467	66	701	5318	1232	153	819	3	138	2480
AHP096187	Soil	78	28	49	<10	76	281	648	33	462	495450	5164	60	582	6701	939	122	904	5	181	3726
AHP096188	Soil	<20	16	22	<10	99	599	116	6	339	802814	1022	57	685	651	1043	161	507	<2	28	554
AHW096251	Soil	33	72	348	10	140	5332	354	85	631	160601	270	84	8532	1989	1307	1820	795	<2	33	3630
AHW096252	Soil	<20	29	36	<10	43	1148	65	6	170	15836	108	75	1156	345	945	272	138	<2	7	888
AHW096253	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096254	Soil	<20	6	46	<10	105	1165	58	11	395	75959	80	26	1281	522	1263	292	375	<2	<5	980
AHW096255	Soil	<20	18	<20	<10	215	537	<20	<5	332	18529	98	<10	404	258	757	106	2192	<2	<5	244
AHW096256	Soil	<20	50	<20	<10	257	118	25	<5	407	691544	185	16	158	372	2158	34	2316	<2	<5	259
AHW096257	Soil	55	52	605	12	85	7351	577	166	674	586261	359	137	12199	1960	1781	2529	604	<2	63	5298
AHW096258	Soil	<20	49	<20	<10	187	43	50	<5	247	914161	122	13	67	214	620	20	1031	<2	<5	246
AHW096259	Soil	<20	20	<20	<10	176	170	106	<5	361	154992	210	44	223	471	1158	46	493	<2	7	494
AHW096260	Soil	48	13	78	<10	69	1334	738	22	863	236231	137	131	1709	1294	2202	375	691	<2	22	2064
AHW096261	Soil	<20	26	<20	<10	115	182	35	<5	374	20971	33	<10	192	250	717	46	866	<2	<5	272
AHW096262	Soil	80	54	405	<10	75	6308	357	145	643	13973	159	118	9475	1551	1039	2045	478	<2	62	5545
AHW096263	Soil	49	97	511	<10	108	7198	259	192	684	208796	155	75	11522	1727	852	2377	660	<2	68	4742
AHW096264	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096265	Soil	51	36	716	<10	63	7941	235	284	784	26599	163	55	14244	1870	378	2864	297	<2	32	5008
AHW932751	Soil	31	11	<20	<10	76	326	200	<5	135	90589	385	152	285	867	1356	73	490	<2	11	734
AHW932752	Soil	22	54	<20	<10	206	277	20	<5	413	2.09223	889	53	290	737	1069	65	1804	<2	5	686
AHW932753	Soil	46	21	<20	<10	54	768	74	<5	128	72622	234	205	617	1508	2324	149	357	<2	8	1118
AHW932754	Soil	<20	65	<20	<10	167	246	96	<5	272	295237	365	57	224	527	1489	58	1254	<2	6	518
AHW932755	Soil	28	47	<20	<10	108	419	54	<5	302	1.36127	517	65	286	1423	850	79	668	<2	5	804
AHW932756	Rock Pulp	<20	14	<20	<10	209	262	124	5	474	28862	825	<10	247	437	2083	64	1613	3	162	937
AHW932757	Soil	39	23	62	<10	83	2156	335	17	554	135250	310	125	2559	881	1120	612	635	<2	9	1135

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

	Method	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1F15
	Analyte	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Volume	Mo
	Unit	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ml	ppm
	MDL	200	5	20	20	20	5	20	20	1	5	5	5	50	10	5	5	100	20	0	0.01
AHP096181	Soil	<200	59	<20	43051	<20	12	<20	301	<1	7	5	59	333	<10	483	46	481551	689	20.00	31.21
AHP096182	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	31.73
AHP096183	Rock Pulp	<200	92	41	5480	<20	14	80	145	<1	47	6	66	3038	4004	446	33	7412	252	20.00	I.S.
AHP096184	Soil	213	412	39	93817	<20	85	<20	1848	<1	15	52	1232	2025	51	3403	389	88734	5462	20.00	20.14
AHP096185	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096186	Soil	<200	203	33	52518	<20	39	<20	596	18	15	24	407	1557	35	1624	161	53690	1742	20.00	I.S.
AHP096187	Soil	<200	202	20	40306	<20	40	<20	660	1	16	25	570	1146	21	1709	212	70013	2446	20.00	I.S.
AHP096188	Soil	<200	163	<20	14427	<20	22	<20	239	19	12	8	55	1124	<10	572	40	29903	522	20.00	I.S.
AHW096251	Soil	<200	2218	42	24042	<20	374	<20	328	78	14	101	314	1950	19	10064	643	11585	1080	20.00	1.09
AHW096252	Soil	<200	228	49	8106	<20	43	<20	185	64	<5	10	82	984	10	1089	69	3451	522	20.00	I.S.
AHW096253	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.90
AHW096254	Soil	<200	264	38	12851	<20	47	<20	121	47	13	13	61	790	<10	1221	83	8540	363	20.00	I.S.
AHW096255	Soil	<200	78	24	12610	<20	10	<20	44	10	<5	<5	12	152	<10	372	18	11803	98	20.00	I.S.
AHW096256	Soil	<200	33	42	8676	<20	<5	<20	41	30	55	<5	11	334	<10	120	9	27768	207	20.00	I.S.
AHW096257	Soil	<200	3388	72	19126	<20	634	<20	797	89	11	194	581	4747	31	16934	1231	10196	1842	20.00	I.S.
AHW096258	Soil	<200	18	<20	4727	<20	<5	<20	22	21	28	<5	12	289	<10	95	7	23595	163	20.00	I.S.
AHW096259	Soil	<200	53	30	9151	<20	8	<20	109	42	15	<5	23	1121	<10	203	20	19563	484	20.00	I.S.
AHW096260	Soil	<200	444	59	14285	<20	81	<20	320	77	10	29	223	4670	25	2777	168	11826	1678	20.00	I.S.
AHW096261	Soil	<200	43	25	5104	<20	8	<20	60	28	<5	<5	21	221	<10	241	23	19794	249	20.00	I.S.
AHW096262	Soil	<200	2528	38	20816	<20	384	<20	813	58	8	142	974	3038	11	11826	946	10025	2649	20.00	I.S.
AHW096263	Soil	<200	3242	30	23514	<20	499	<20	411	33	16	173	461	1745	12	16920	1261	15161	1455	20.00	I.S.
AHW096264	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	0.47
AHW096265	Soil	<200	3997	<20	18097	<20	649	<20	523	9	7	260	977	1913	18	23940	1884	13748	2186	20.00	I.S.
AHW932751	Soil	<200	51	63	7541	<20	8	<20	259	55	7	<5	48	2008	16	221	23	9265	947	20.00	1.46
AHW932752	Soil	<200	32	74	20985	<20	7	<20	270	70	36	<5	74	494	<10	238	20	30180	540	20.00	1.79
AHW932753	Soil	<200	108	127	8798	<20	13	<20	704	79	<5	<5	104	1143	20	443	30	9457	1450	20.00	1.06
AHW932754	Soil	<200	41	43	9958	<20	5	<20	150	43	14	<5	33	985	13	175	13	18121	639	20.00	1.35
AHW932755	Soil	<200	55	69	12787	<20	9	<20	348	46	8	<5	39	473	10	254	22	37963	724	20.00	1.55
AHW932756	Rock Pulp	<200	84	32	5391	<20	13	<20	140	32	50	5	64	2370	2879	321	37	5816	185	20.00	150.6
AHW932757	Soil	<200	529	55	25770	<20	66	<20	320	70	12	21	79	1798	18	2020	111	16252	1245	20.00	I.S.

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880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	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	0.01	0.001	0.5
AHP096181	Soil	261.2	30.57	1097	336	25.5	26.6	3032	2.68	21.3	0.2	5.3	<0.1	402.8	5.64	2.29	0.28	16	1.92	0.185	2.8
AHP096182	Soil	532.2	7.00	289.2	2107	56.2	8.8	570	1.09	20.5	1.7	7.2	0.5	639.0	1.75	2.54	0.18	10	2.81	0.176	3.8
AHP096183	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096184	Soil	539.7	13.13	401.0	1425	69.6	8.3	738	2.02	29.3	1.9	5.9	1.2	649.1	1.97	2.79	0.27	19	2.55	0.170	6.0
AHP096185	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096186	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096187	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096188	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096251	Soil	10.82	7.63	40.4	1207	7.8	10.0	608	1.01	1.7	0.5	1.6	<0.1	74.3	0.26	0.28	0.09	11	0.67	0.190	15.5
AHW096252	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096253	Soil	3.72	3.56	9.3	237	1.7	0.6	24	0.29	0.8	<0.1	0.7	0.1	26.4	0.15	0.17	0.06	8	0.28	0.062	1.8
AHW096254	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096255	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096256	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096257	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096258	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096259	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096260	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096261	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096262	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096263	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096264	Soil	10.15	7.08	33.1	392	5.0	2.6	161	1.17	2.2	0.3	<0.2	0.2	23.4	0.19	0.10	0.12	24	0.22	0.061	8.2
AHW096265	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932751	Soil	6.50	7.02	42.3	189	4.4	1.8	205	1.21	2.0	0.2	0.6	0.1	16.9	0.22	0.14	0.11	27	0.17	0.068	3.5
AHW932752	Soil	6.98	6.22	66.8	252	2.7	1.2	3909	0.54	0.9	0.1	0.4	<0.1	30.4	0.57	0.27	0.10	12	0.63	0.113	2.3
AHW932753	Soil	7.81	8.68	37.1	79	4.4	1.5	136	1.05	1.2	0.2	0.4	<0.1	17.1	0.32	0.30	0.14	26	0.16	0.059	4.7
AHW932754	Soil	4.86	6.15	36.9	114	3.2	1.4	347	0.75	1.1	0.1	0.5	0.2	17.0	0.14	0.26	0.10	18	0.26	0.088	2.6
AHW932755	Soil	7.96	6.62	87.9	206	5.0	2.1	3436	0.79	1.1	0.1	1.5	<0.1	33.8	0.92	0.26	0.20	21	0.59	0.075	3.3
AHW932756	Rock Pulp	3528	44.83	121.0	4149	24.7	20.2	496	4.57	74.9	0.6	1039	1.9	26.5	0.82	6.90	0.69	80	0.35	0.094	9.9
AHW932757	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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Project: Poplar Regional
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02
AHP096181	Soil	8.8	0.16	378.7	0.007	10	0.41	0.007	0.09	<0.1	0.5	0.06	0.20	81	0.6	0.09	2.0	9.55	<0.1	<0.02	1.15
AHP096182	Soil	9.3	0.17	109.9	0.004	11	0.94	0.013	0.08	0.1	2.9	0.14	0.35	159	2.2	0.04	1.8	9.37	<0.1	0.07	0.28
AHP096183	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096184	Soil	17.5	0.28	210.5	0.005	8	1.90	0.012	0.12	<0.1	6.4	0.15	0.25	136	1.5	0.07	3.8	12.70	<0.1	0.12	0.50
AHP096185	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096186	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096187	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096188	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096251	Soil	7.5	0.17	165.9	0.010	4	1.17	0.009	0.09	<0.1	1.5	0.09	0.11	314	0.2	<0.02	2.4	1.43	<0.1	<0.02	0.27
AHW096252	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096253	Soil	3.8	0.05	67.5	0.011	4	0.14	0.011	0.04	<0.1	0.4	0.03	0.08	139	0.1	0.02	0.9	0.54	<0.1	<0.02	0.14
AHW096254	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096255	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096256	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096257	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096258	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096259	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096260	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096261	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096262	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096263	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096264	Soil	11.1	0.13	135.8	0.018	3	0.72	0.009	0.05	<0.1	1.3	0.04	0.04	95	0.1	<0.02	2.9	0.72	<0.1	<0.02	0.31
AHW096265	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932751	Soil	9.3	0.08	113.7	0.022	2	0.40	0.008	0.06	<0.1	0.7	0.04	0.03	82	<0.1	<0.02	2.7	0.74	<0.1	<0.02	0.37
AHW932752	Soil	6.6	0.06	189.3	0.010	4	0.23	0.009	0.10	<0.1	0.3	0.11	0.08	280	0.1	<0.02	1.4	0.73	<0.1	<0.02	0.12
AHW932753	Soil	11.0	0.04	110.9	0.010	1	0.44	0.010	0.04	0.1	0.2	0.03	0.03	54	<0.1	<0.02	2.4	0.53	<0.1	<0.02	0.11
AHW932754	Soil	8.3	0.07	77.9	0.021	3	0.32	0.009	0.08	<0.1	0.6	0.06	0.06	223	0.2	<0.02	1.8	0.67	<0.1	<0.02	0.26
AHW932755	Soil	9.9	0.06	268.8	0.009	2	0.33	0.009	0.07	<0.1	0.2	0.07	0.06	249	0.2	<0.02	1.9	0.64	<0.1	<0.02	0.15
AHW932756	Rock Pulp	33.5	0.64	54.8	0.063	3	0.90	0.025	0.61	13.5	6.2	0.58	2.73	133	6.4	1.27	3.7	2.97	<0.1	0.05	0.12
AHW932757	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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880 - 609 Granville St.
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Project: Poplar Regional
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
AHP096181	Soil	16.3	0.3	<0.05	0.1	1.54	7.2	<0.02	2	0.2	2.5	<10	<2
AHP096182	Soil	15.3	0.2	<0.05	2.4	7.38	6.1	0.03	34	0.3	9.7	<10	<2
AHP096183	Rock Pulp	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096184	Soil	28.8	0.4	<0.05	3.3	9.52	9.9	0.06	24	0.5	22.3	<10	<2
AHP096185	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096186	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096187	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP096188	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096251	Soil	8.3	0.2	<0.05	0.2	14.76	35.2	0.02	1	0.5	3.6	<10	<2
AHW096252	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096253	Soil	3.1	0.2	<0.05	0.2	0.49	3.0	<0.02	<1	<0.1	0.3	<10	<2
AHW096254	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096255	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096256	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096257	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096258	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096259	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096260	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096261	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096262	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096263	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW096264	Soil	3.4	0.2	<0.05	0.2	4.59	12.6	<0.02	<1	0.1	2.7	<10	<2
AHW096265	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932751	Soil	4.8	0.3	<0.05	<0.1	0.96	7.1	<0.02	<1	<0.1	1.6	<10	<2
AHW932752	Soil	5.4	0.2	<0.05	<0.1	0.54	4.3	<0.02	1	<0.1	0.4	<10	<2
AHW932753	Soil	3.9	0.7	<0.05	<0.1	1.12	9.0	<0.02	<1	<0.1	0.6	<10	<2
AHW932754	Soil	5.4	0.2	<0.05	0.2	0.61	4.7	<0.02	<1	<0.1	0.7	<10	<2
AHW932755	Soil	5.4	0.3	<0.05	<0.1	0.80	6.1	<0.02	<1	<0.1	0.5	<10	<2
AHW932756	Rock Pulp	33.3	2.0	<0.05	1.5	8.36	19.6	0.06	333	0.4	4.6	<10	<2
AHW932757	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

	Method	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO
	Analyte	Ag	Al	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
	Unit	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
	MDL	3	1	100	1	50	20	5	5	20	5	20	5	20	5	5	5	5	50	5	50
AHW932758	Soil	16	1248	305	<1	32453	<20	16	3590	86	1466	493	28	985	136	68	42	1207	177	191	<50
AHW932759	Soil	19	897	103	<1	20480	33	9	1090	88	594	430	19	2388	36	17	6	765	155	49	<50
AHW932760	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932761	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932762	Soil	26	522	<100	<1	20861	<20	<5	2506	223	416	168	14	946	38	13	9	343	<50	37	<50
AHW932763	Soil	41	1300	722	<1	41144	45	49	3265	254	1718	1358	62	1234	67	28	11	1652	339	101	<50
AHW932764	Soil	8	370	170	<1	19162	<20	<5	959	90	247	129	7	377	19	7	<5	202	<50	26	<50
AHW932765	Soil	10	3757	340	<1	42003	39	<5	4826	276	1649	690	45	1340	133	57	27	1700	451	165	<50
AHW932766	Soil	21	5931	3491	<1	26051	341	96	5487	344	12741	897	369	3453	2149	1216	518	3431	803	2542	78
AHW932767	Soil	21	2970	241	1	24627	63	24	2729	188	1241	665	71	1019	75	39	21	1140	395	85	<50
AHW932768	Soil	5	57	262	1	1452	<20	11	2388	47	60	53	9	254	8	6	<5	50	<50	10	<50
AHW932769	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932770	Soil	27	460	<100	<1	44820	<20	10	743	145	313	192	26	638	28	15	7	162	67	44	<50
AHP932771	Soil	28	1843	378	<1	17788	36	20	4021	171	1336	406	46	1230	289	142	82	1387	235	384	<50
AHP932772	Soil	151	3392	1343	1	60102	217	113	5512	764	9495	1313	184	58547	1713	792	565	4588	402	2300	<50
AHP932773	Soil	136	3457	1216	1	45881	267	97	5495	781	7934	980	136	55206	1553	753	512	3852	377	2078	<50
AHP932774	Soil	282	7414	1504	3	152605	359	111	5765	758	23634	934	597	113096	3771	1716	1366	4438	816	5006	66
AHP932775	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932776	Soil	55	712	352	<1	75092	29	27	1004	810	754	1080	22	5374	69	24	10	999	<50	85	<50
AHP932777	Soil	82	1488	1060	2	46988	84	56	1849	885	2445	902	38	13411	231	131	87	2267	185	377	<50
AHP932778	Rock Pulp	187	4993	1736	2	120487	247	130	3565	2663	9120	1173	72	51335	1241	658	502	5207	612	1967	<50
AHP932779	Soil	60	1512	857	<1	33653	123	53	4536	902	1195	1125	90	15642	307	183	90	2543	223	370	<50
AHP932780	Soil	36	785	407	<1	11508	76	29	4879	1019	345	376	18	7616	48	26	14	1863	55	58	<50
AHP932781	Soil	41	848	289	<1	10453	76	15	4493	413	651	415	25	11010	275	171	86	1331	<50	372	<50
AHP932782	Soil	84	2390	597	2	30481	147	33	6020	1180	2200	440	111	54194	1139	667	435	1707	181	1637	<50
AHP932783	Soil	102	2875	816	1	52785	223	55	6244	487	8872	753	116	70418	2802	1312	987	2313	269	3934	<50
AHP932784	Soil	6	63	342	<1	1527	25	10	2710	50	83	61	11	310	11	6	<5	58	<50	13	<50
AHP932785	Soil	55	2484	1354	<1	63012	145	40	4945	756	4938	922	41	20140	335	163	101	2371	229	436	<50
AHP932786	Soil	72	1739	711	<1	47984	105	31	5707	829	2497	841	39	18570	346	166	97	1851	181	453	<50
AHP932787	Soil	42	1071	244	<1	15878	29	12	3591	825	482	328	39	9199	134	69	33	994	120	135	<50

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	Analyte	Hf	Hg	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Re	Sb	Sc
	Unit	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	MDL	20	5	20	10	5	5	20	5	1	50	10	10	5	50	20	5	5	2	5	100
AHW932758	Soil	28	5	28	<10	54	1214	129	7	656	119966	183	101	1045	588	908	254	296	<2	6	780
AHW932759	Soil	22	25	<20	<10	68	394	53	<5	258	635805	705	61	241	986	538	69	322	<2	<5	673
AHW932760	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932761	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932762	Soil	<20	26	<20	<10	127	261	30	<5	348	135090	73	18	234	471	1340	57	455	<2	<5	528
AHW932763	Soil	29	9	<20	<10	219	541	251	<5	448	1.00189	543	123	434	540	2945	112	861	<2	10	1062
AHW932764	Soil	<20	24	<20	<10	100	117	<20	<5	304	608060	161	18	155	264	637	33	329	<2	<5	376
AHW932765	Soil	124	82	25	<10	153	749	152	6	455	1.75105	1089	192	782	1587	205	191	1581	<2	<5	1303
AHW932766	Soil	128	78	428	11	207	5297	1589	197	1516	906624	1032	273	9944	2191	887	2099	3238	<2	69	6490
AHW932767	Soil	43	34	<20	<10	112	454	375	<5	344	431250	282	101	490	964	912	119	1125	<2	10	1259
AHW932768	Soil	<20	13	<20	<10	39	32	37	<5	2575	16820	60	<10	39	247	921	9	269	<2	117	103
AHW932769	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932770	Soil	<20	55	<20	<10	121	225	<20	<5	472	862635	502	<10	224	523	1074	58	719	<2	8	417
AHP932771	Soil	27	33	54	<10	66	1266	225	16	653	201434	247	61	1614	791	611	353	552	<2	7	1073
AHP932772	Soil	81	25	309	15	69	6252	307	87	626	398319	528	149	7984	6473	5818	1773	1305	<2	58	3971
AHP932773	Soil	67	15	289	12	64	4975	228	87	629	382643	547	137	7099	6722	4825	1554	1036	<2	50	3605
AHP932774	Soil	157	27	676	20	133	15945	1185	196	707	250196	479	261	20309	7490	4378	4729	2818	3	160	8370
AHP932775	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932776	Soil	<20	17	<20	<10	55	507	83	<5	217	372903	301	40	400	2031	2270	94	387	<2	15	468
AHP932777	Soil	30	10	49	<10	25	1408	78	15	234	348156	300	115	1578	2614	3255	363	619	<2	23	1093
AHP932778	Rock Pulp	93	16	235	15	114	5838	133	83	182	495852	516	332	7781	7562	6656	1664	581	<2	49	3481
AHP932779	Soil	61	16	59	10	234	653	216	28	549	304862	448	200	1130	2303	2564	229	1045	3	30	2179
AHP932780	Soil	25	23	<20	<10	100	125	60	<5	983	215800	398	96	169	1331	1624	39	523	<2	14	626
AHP932781	Soil	32	16	58	<10	39	483	74	28	845	204872	262	41	953	1304	995	184	248	<2	12	1215
AHP932782	Soil	75	20	225	<10	56	2531	237	111	969	141328	274	51	4896	4465	1338	981	664	<2	73	2886
AHP932783	Soil	64	13	518	<10	102	11014	281	135	575	253378	514	81	15303	10244	2450	3497	932	<2	38	3902
AHP932784	Soil	<20	6	<20	<10	47	59	91	<5	3048	16497	67	<10	84	333	1067	14	315	<2	138	112
AHP932785	Soil	44	14	64	12	112	2235	138	17	358	236564	437	84	2051	5536	3464	500	806	<2	21	1521
AHP932786	Soil	36	12	63	<10	30	1320	91	21	272	400474	325	97	1524	4332	1975	344	441	<2	17	1374
AHP932787	Soil	<20	12	21	<10	111	265	121	9	502	33696	220	49	462	1716	1197	94	412	<2	14	981

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

	Method	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1F15
	Analyte	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Volume	Mo
	Unit	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ml	ppm
	MDL	200	5	20	20	20	5	20	20	1	5	5	5	50	10	5	5	100	20	0	0.01
AHW932758	Soil	<200	219	48	27311	<20	25	<20	542	50	<5	7	77	1465	10	817	53	10152	900	20.00	I.S.
AHW932759	Soil	<200	48	51	17415	<20	6	<20	195	23	11	<5	58	468	16	228	14	22961	682	20.00	1.35
AHW932760	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.44
AHW932761	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.20
AHW932762	Soil	<200	46	35	12316	<20	6	<20	159	33	<5	<5	45	349	<10	205	17	29121	344	20.00	0.96
AHW932763	Soil	<200	82	76	17254	<20	10	<20	292	102	28	<5	86	2779	13	373	28	30328	1063	20.00	1.92
AHW932764	Soil	<200	30	<20	13522	<20	<5	<20	75	12	7	<5	45	136	<10	99	9	28747	285	20.00	1.48
AHW932765	Soil	<200	162	42	17167	<20	25	<20	783	78	10	8	176	1222	20	725	48	22913	4161	20.00	2.54
AHW932766	Soil	<200	2645	91	25155	22	370	<20	1314	92	29	171	2098	8350	34	11851	1302	31020	5372	20.00	3.20
AHW932767	Soil	<200	96	45	10315	<20	11	<20	380	45	7	5	62	1470	<10	358	36	20954	1611	20.00	0.15
AHW932768	Soil	<200	5	24	3375	<20	<5	<20	43	9	<5	<5	453	708	24	63	<5	4685	60	20.00	3.63
AHW932769	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2.29
AHW932770	Soil	<200	53	25	16931	<20	6	<20	67	26	42	<5	30	91	<10	203	15	45311	162	20.00	1.15
AHP932771	Soil	<200	352	23	25098	<20	57	<20	260	57	7	16	89	1656	<10	1752	115	16953	1083	20.00	1.06
AHP932772	Soil	<200	1945	41	26693	<20	319	<20	1543	54	18	91	812	4283	19	9029	641	54105	2211	20.00	1.49
AHP932773	Soil	<200	1789	29	22648	<20	277	<20	1309	48	17	90	730	3763	10	8954	625	56028	2096	20.00	1.80
AHP932774	Soil	<200	4804	82	29780	23	713	<20	2830	70	47	213	1965	6396	30	20466	1397	40289	5038	20.00	2.19
AHP932775	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	1.39
AHP932776	Soil	<200	86	<20	26185	<20	11	<20	204	4	6	<5	28	705	<10	335	18	64552	419	20.00	1.54
AHP932777	Soil	<200	345	26	23044	<20	48	<20	588	15	9	16	121	2889	10	1418	108	76843	909	20.00	1.05
AHP932778	Rock Pulp	<200	1858	61	27040	26	235	<20	2118	44	13	80	417	4412	13	8046	552	110449	2529	20.00	1.80
AHP932779	Soil	<200	324	44	19066	<20	54	<20	588	15	9	24	432	1928	<10	2106	196	113293	1604	20.00	1.92
AHP932780	Soil	<200	50	<20	12715	<20	9	<20	192	<1	5	<5	54	884	<10	367	42	275293	731	20.00	1.31
AHP932781	Soil	<200	304	<20	12834	<20	52	<20	269	<1	<5	23	312	652	<10	2180	175	50013	1022	20.00	1.45
AHP932782	Soil	<200	1463	<20	22276	<20	213	<20	569	<1	14	89	1096	1660	525	8359	737	57616	2552	20.00	1.62
AHP932783	Soil	<200	3738	24	28510	<20	540	<20	1309	30	18	157	570	2691	<10	16143	1015	17948	1884	20.00	2.50
AHP932784	Soil	<200	17	26	3704	<20	<5	<20	49	18	<5	<5	495	909	39	81	6	4811	72	20.00	0.20
AHP932785	Soil	<200	402	<20	35899	<20	63	<20	1374	31	11	19	153	1418	<10	1813	125	55512	1298	20.00	2.70
AHP932786	Soil	<200	374	<20	30026	<20	58	<20	621	22	12	20	146	1620	<10	2028	140	146406	968	20.00	1.58
AHP932787	Soil	<200	127	21	12785	<20	21	<20	237	22	<5	8	82	1213	<10	702	67	42432	502	20.00	1.94

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880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	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	0.01	0.001	0.5
AHW932758	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932759	Soil	10.28	6.86	58.9	288	3.4	1.9	2272	0.74	0.7	0.2	1.9	<0.1	46.8	0.33	0.16	0.14	16	0.64	0.054	4.2
AHW932760	Soil	7.05	7.38	47.3	232	4.8	2.1	393	1.19	2.2	0.2	2.1	0.3	17.6	0.24	0.22	0.23	25	0.28	0.116	4.5
AHW932761	Soil	10.83	3.93	65.4	430	5.1	1.7	1980	0.38	1.1	0.4	<0.2	0.1	121.8	0.45	0.18	0.11	5	1.10	0.099	15.1
AHW932762	Soil	7.94	6.23	60.0	240	2.5	0.8	204	0.35	0.8	0.1	0.3	0.2	43.0	0.48	0.15	0.10	10	0.50	0.077	2.2
AHW932763	Soil	10.56	11.70	68.1	395	3.5	4.0	1439	0.88	2.5	0.2	0.7	0.1	27.5	0.40	0.21	0.26	19	0.34	0.118	3.5
AHW932764	Soil	6.60	3.87	55.1	98	2.1	0.8	1308	0.34	1.4	0.2	0.8	0.2	54.2	0.36	0.14	0.09	8	0.74	0.066	2.6
AHW932765	Soil	9.84	6.02	72.6	62	8.5	5.5	5542	0.96	1.8	0.5	0.5	0.3	62.0	0.61	0.12	0.08	23	0.86	0.130	5.2
AHW932766	Soil	16.80	7.52	95.9	165	9.0	5.8	4543	1.22	9.8	2.8	0.7	0.5	124.4	0.93	0.38	0.19	29	1.12	0.138	23.4
AHW932767	Soil	0.60	2.35	7.6	36	1.7	0.2	45	0.05	2.2	1.0	1.6	<0.1	137.8	0.16	1.07	<0.02	6	9.74	0.006	<0.5
AHW932768	Soil	17.42	6.74	1188	828	7.0	3.4	2881	0.78	1.4	0.2	0.3	0.2	77.7	1.44	0.22	0.13	13	1.43	0.173	3.3
AHW932769	Soil	7.37	4.19	83.6	425	2.9	0.8	2564	0.12	0.5	<0.1	0.2	<0.1	43.2	0.40	0.15	0.06	<2	0.87	0.112	0.8
AHW932770	Soil	7.74	4.09	56.6	138	5.7	3.2	597	0.74	1.2	0.2	0.2	0.2	20.8	0.23	0.12	0.09	15	0.31	0.106	2.6
AHP932771	Soil	9.91	3.76	51.0	376	4.8	2.2	368	0.67	1.5	0.2	1.0	0.2	56.6	0.26	0.11	0.08	14	0.57	0.061	4.1
AHP932772	Soil	185.6	25.14	198.5	1247	19.3	7.3	1205	1.72	4.3	1.1	0.9	0.4	61.2	1.85	0.39	0.26	22	0.80	0.145	15.0
AHP932773	Soil	196.2	26.04	211.4	1271	21.1	7.8	1544	1.76	4.6	1.1	0.9	0.4	73.6	2.15	0.42	0.26	21	1.02	0.174	16.4
AHP932774	Soil	384.3	42.26	406.1	2411	41.6	12.5	1859	3.38	6.4	2.9	2.9	2.0	77.5	2.22	0.72	0.47	39	0.85	0.224	37.4
AHP932775	Soil	116.3	17.57	91.8	755	14.4	5.3	226	1.00	2.3	0.9	0.7	0.3	105.0	3.90	0.47	0.20	12	1.30	0.123	8.0
AHP932776	Soil	22.66	17.83	158.5	452	7.3	4.3	1207	1.41	4.3	0.1	0.4	0.1	72.9	2.37	0.54	0.16	20	0.72	0.059	3.4
AHP932777	Soil	50.94	17.71	193.5	750	10.2	5.5	1269	1.38	4.6	0.3	0.4	0.2	56.3	2.60	0.30	0.17	21	0.59	0.061	5.4
AHP932778	Rock Pulp	151.7	31.45	370.7	1289	20.1	8.1	2034	2.45	7.1	0.7	0.8	0.2	53.5	6.39	0.46	0.34	27	0.46	0.176	12.2
AHP932779	Soil	62.01	12.94	217.1	544	8.2	3.8	743	1.01	3.3	0.6	1.4	0.1	120.6	2.00	0.31	0.18	11	1.44	0.168	4.7
AHP932780	Soil	38.63	18.71	470.2	251	6.8	5.3	1498	1.23	3.4	0.1	0.6	0.1	164.8	3.43	0.30	0.18	12	2.18	0.164	2.5
AHP932781	Soil	85.97	9.92	135.1	497	11.5	3.8	614	1.00	2.8	0.5	1.9	0.2	144.8	1.22	0.43	0.13	11	2.04	0.117	5.8
AHP932782	Soil	256.6	13.83	215.4	894	23.5	5.9	760	1.74	4.8	1.7	2.7	0.4	168.0	3.31	1.21	0.20	17	2.21	0.151	19.6
AHP932783	Soil	266.3	22.35	173.1	1072	34.9	10.8	1916	2.40	5.6	0.9	1.0	0.4	81.5	1.58	0.46	0.26	27	1.00	0.141	30.1
AHP932784	Soil	1.25	3.71	12.1	60	1.9	0.4	71	0.07	2.7	1.5	1.9	<0.1	197.8	0.25	1.37	<0.02	9	14.35	0.010	0.8
AHP932785	Soil	65.33	31.00	205.5	298	14.8	10.5	1615	2.37	12.2	0.3	0.8	0.1	62.7	1.83	0.71	0.27	30	0.64	0.116	5.9
AHP932786	Soil	87.17	17.33	338.5	579	14.9	7.5	1765	1.65	5.0	0.3	0.7	0.1	91.0	2.38	0.38	0.20	23	0.93	0.094	6.0
AHP932787	Soil	54.46	7.30	90.7	323	8.3	1.6	77	0.75	2.2	0.2	2.0	0.2	71.8	1.62	0.28	0.10	12	0.86	0.064	2.6

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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02
AHW932758	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932759	Soil	7.8	0.06	157.7	0.011	2	0.28	0.008	0.06	<0.1	0.3	0.08	0.04	140	0.1	<0.02	1.9	0.89	<0.1	<0.02	0.16
AHW932760	Soil	9.7	0.12	88.7	0.029	2	0.62	0.008	0.07	0.1	1.1	0.05	0.05	123	0.3	0.02	3.3	0.71	<0.1	<0.02	0.52
AHW932761	Soil	4.0	0.16	246.7	0.007	3	0.45	0.010	0.05	<0.1	1.0	0.08	0.10	236	0.3	<0.02	1.1	0.44	<0.1	0.03	0.19
AHW932762	Soil	4.9	0.06	182.5	0.012	4	0.18	0.010	0.07	<0.1	0.8	0.03	0.07	222	0.3	<0.02	1.0	0.35	<0.1	<0.02	0.15
AHW932763	Soil	7.0	0.10	117.6	0.015	2	0.49	0.008	0.10	<0.1	0.6	0.07	0.07	168	0.2	0.03	2.6	0.84	<0.1	<0.02	0.46
AHW932764	Soil	4.2	0.06	133.4	0.013	4	0.20	0.010	0.07	<0.1	0.6	0.03	0.08	235	0.3	<0.02	1.1	0.51	<0.1	<0.02	0.19
AHW932765	Soil	13.1	0.12	383.9	0.048	2	1.08	0.007	0.10	<0.1	0.9	0.08	0.05	213	0.3	0.02	3.3	0.43	<0.1	0.03	0.74
AHW932766	Soil	10.6	0.25	247.3	0.017	3	1.30	0.061	0.11	0.1	3.2	0.16	0.17	285	0.5	<0.02	3.1	1.28	<0.1	0.03	0.37
AHW932767	Soil	1.5	4.51	11.1	0.001	2	0.04	0.069	<0.01	<0.1	0.1	<0.02	0.15	<5	0.2	0.02	0.1	0.03	<0.1	<0.02	0.05
AHW932768	Soil	9.4	0.13	275.0	0.018	5	0.59	0.015	0.11	<0.1	1.1	0.05	0.17	508	0.5	0.02	1.9	0.90	<0.1	<0.02	0.33
AHW932769	Soil	1.7	0.08	222.0	0.004	4	0.12	0.007	0.06	<0.1	0.5	0.11	0.13	452	0.3	<0.02	0.3	0.38	<0.1	<0.02	0.05
AHW932770	Soil	8.1	0.11	98.5	0.019	2	0.79	0.007	0.06	<0.1	0.9	0.04	0.06	179	0.2	<0.02	2.1	0.68	<0.1	<0.02	0.42
AHP932771	Soil	6.9	0.16	100.3	0.018	2	0.49	0.013	0.05	<0.1	0.9	0.05	0.07	164	0.2	<0.02	1.7	0.49	<0.1	0.03	0.28
AHP932772	Soil	9.2	0.19	274.7	0.006	<1	1.10	0.016	0.08	<0.1	1.7	0.08	0.11	44	0.4	0.05	2.9	2.54	<0.1	0.05	0.57
AHP932773	Soil	9.1	0.20	311.7	0.007	2	1.15	0.008	0.09	<0.1	1.7	0.09	0.13	58	0.4	0.06	3.0	2.54	<0.1	0.05	0.55
AHP932774	Soil	19.8	0.30	716.3	0.005	<1	3.26	0.010	0.15	<0.1	6.8	0.25	0.03	55	0.6	0.11	7.7	5.13	<0.1	0.10	1.18
AHP932775	Soil	4.4	0.09	287.3	0.007	2	0.52	0.010	0.05	<0.1	1.8	0.05	0.11	156	0.5	0.05	1.4	1.42	<0.1	0.02	0.45
AHP932776	Soil	5.9	0.08	356.2	0.009	1	0.34	0.005	0.05	<0.1	0.6	0.03	0.05	83	0.2	0.07	1.4	1.26	<0.1	<0.02	0.36
AHP932777	Soil	6.5	0.11	209.0	0.011	<1	0.54	0.008	0.05	<0.1	0.9	0.04	0.05	38	0.2	0.05	2.0	1.64	<0.1	<0.02	0.59
AHP932778	Rock Pulp	9.7	0.12	372.9	0.007	2	1.07	0.006	0.10	<0.1	0.8	0.05	0.10	39	0.4	0.08	3.8	2.14	<0.1	<0.02	1.20
AHP932779	Soil	5.2	0.12	369.2	0.005	6	0.47	0.014	0.17	<0.1	0.8	0.04	0.15	155	0.5	0.06	1.4	0.89	<0.1	<0.02	0.67
AHP932780	Soil	4.7	0.21	406.2	0.009	8	0.32	0.007	0.09	0.2	0.5	0.03	0.21	103	0.3	0.05	1.2	0.87	<0.1	<0.02	0.74
AHP932781	Soil	5.4	0.20	249.0	0.006	4	0.47	0.008	0.05	<0.1	1.0	0.05	0.15	129	0.5	0.06	1.2	0.93	<0.1	0.04	0.40
AHP932782	Soil	9.0	0.26	396.2	0.004	4	0.97	0.009	0.07	2.2	1.9	0.09	0.12	128	0.8	0.09	2.3	1.11	<0.1	0.07	0.51
AHP932783	Soil	11.6	0.21	332.9	0.008	2	1.34	0.005	0.14	<0.1	2.5	0.09	0.09	48	0.4	0.08	3.6	2.23	<0.1	0.06	0.65
AHP932784	Soil	2.4	6.08	17.3	0.002	3	0.06	0.147	0.01	0.1	0.2	<0.02	0.29	<5	0.3	0.03	0.2	0.04	<0.1	<0.02	0.07
AHP932785	Soil	9.3	0.12	240.4	0.010	2	0.65	0.005	0.10	<0.1	0.8	0.04	0.08	26	0.2	0.09	2.5	1.47	<0.1	<0.02	0.55
AHP932786	Soil	7.6	0.11	370.3	0.011	1	0.59	0.009	0.05	<0.1	0.8	0.05	0.09	54	0.2	0.06	2.2	1.83	<0.1	<0.02	0.65
AHP932787	Soil	4.6	0.10	192.5	0.005	4	0.35	0.008	0.08	<0.1	0.7	0.02	0.09	94	0.3	0.03	1.1	0.61	<0.1	<0.02	0.31

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
AHW932758	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHW932759	Soil	6.6	0.3	<0.05	<0.1	0.93	8.0	<0.02	<1	<0.1	0.6	<10	<2
AHW932760	Soil	5.7	0.5	<0.05	0.3	1.13	8.4	0.02	<1	0.1	2.1	<10	<2
AHW932761	Soil	3.1	0.2	<0.05	0.7	12.53	20.4	<0.02	<1	0.4	1.2	<10	<2
AHW932762	Soil	2.3	0.2	<0.05	0.6	0.61	3.7	<0.02	<1	0.1	0.3	<10	<2
AHW932763	Soil	5.0	0.4	<0.05	0.3	1.02	7.5	<0.02	<1	0.1	1.7	<10	<2
AHW932764	Soil	2.9	0.2	<0.05	0.3	0.69	4.6	<0.02	<1	<0.1	0.7	<10	<2
AHW932765	Soil	11.9	0.3	<0.05	1.5	1.93	10.7	<0.02	<1	0.3	2.2	<10	<2
AHW932766	Soil	11.0	0.3	<0.05	0.8	20.79	55.5	0.03	<1	0.7	5.6	<10	<2
AHW932767	Soil	0.3	<0.1	<0.05	0.2	0.54	0.8	<0.02	<1	<0.1	0.6	<10	<2
AHW932768	Soil	6.8	0.3	<0.05	0.5	1.31	5.8	<0.02	<1	0.1	1.8	<10	<2
AHW932769	Soil	1.9	0.1	<0.05	0.2	0.47	1.1	<0.02	<1	<0.1	0.3	<10	<2
AHW932770	Soil	6.7	0.2	<0.05	0.9	1.01	5.2	<0.02	<1	0.2	3.0	<10	<2
AHP932771	Soil	4.6	0.2	<0.05	1.1	2.66	5.4	<0.02	<1	0.1	2.1	<10	<2
AHP932772	Soil	19.9	0.3	<0.05	0.8	11.46	21.7	0.03	<1	0.5	3.8	<10	<2
AHP932773	Soil	19.4	0.3	<0.05	0.9	13.45	23.4	0.03	<1	0.5	3.7	<10	<2
AHP932774	Soil	27.3	0.6	<0.05	2.5	31.74	57.0	0.08	1	1.5	8.6	<10	<2
AHP932775	Soil	10.1	0.2	<0.05	0.6	9.32	11.3	<0.02	1	0.3	1.3	<10	<2
AHP932776	Soil	8.3	0.2	<0.05	0.2	1.26	5.9	<0.02	<1	0.1	1.4	<10	<2
AHP932777	Soil	19.2	0.2	<0.05	0.3	2.96	9.8	0.02	<1	0.2	2.0	<10	<2
AHP932778	Rock Pulp	15.6	0.4	<0.05	0.4	11.18	19.5	0.04	<1	0.6	2.9	<10	<2
AHP932779	Soil	9.6	0.2	<0.05	0.4	4.52	7.2	0.02	4	0.2	2.2	<10	<2
AHP932780	Soil	8.7	0.2	<0.05	0.5	1.44	5.3	<0.02	1	0.1	1.8	<10	<2
AHP932781	Soil	6.4	0.2	<0.05	1.2	6.35	6.5	0.02	4	0.2	1.8	<10	<2
AHP932782	Soil	7.7	0.2	<0.05	1.8	21.75	15.9	0.04	5	0.5	3.5	<10	<2
AHP932783	Soil	22.4	0.3	<0.05	0.9	25.05	29.7	0.04	2	0.6	5.5	<10	<2
AHP932784	Soil	0.4	<0.1	<0.05	0.3	0.99	1.2	<0.02	<1	<0.1	0.7	<10	<2
AHP932785	Soil	16.8	0.2	<0.05	0.2	2.83	12.9	0.03	<1	0.3	3.4	<10	<2
AHP932786	Soil	15.4	0.2	<0.05	0.3	3.67	11.1	0.02	4	0.3	2.9	<10	<2
AHP932787	Soil	4.2	0.2	<0.05	0.6	1.51	4.3	<0.02	<1	0.1	1.3	<10	<2

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880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

	Method	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO
	Analyte	Ag	Al	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
	Unit	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
	MDL	3	1	100	1	50	20	5	5	20	5	20	5	20	5	5	5	5	50	5	50
AHP932788	Soil	56	916	268	<1	11293	99	<5	5024	483	1455	108	59	35141	881	496	285	573	<50	1185	<50
AHP932789	Soil	289	5895	1936	1	73172	264	74	5478	1024	6245	655	540	91906	1755	947	518	4642	772	2186	58
AHP932790	Soil	20	1011	3971	<1	2377	29	22	957	85	731	220	323	173377	87	43	29	318	226	117	<50
AHP932791	Rock Pulp	96	1599	186	<1	18340	48	12	3113	828	3573	444	52	17563	866	417	246	1294	131	1091	<50
AHP932792	Soil	117	5279	1229	2	92832	272	72	4853	358	20750	1121	279	29698	1910	775	670	3755	690	2592	53
AHP932793	Soil	29	1552	168	<1	50388	<20	11	3042	563	6392	367	30	4716	332	122	114	1334	152	463	<50
AHP932794	Soil	78	2021	563	<1	45346	38	37	1555	299	3800	1584	73	6853	206	85	60	2359	280	245	<50
AHP932795	Soil	27	1078	144	<1	30114	<20	8	2145	337	789	420	19	1367	46	22	10	784	130	67	<50
AHP932796	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932797	Rock Pulp	16	1174	431	<1	42713	<20	10	2736	195	1056	689	18	1773	72	31	23	1353	191	104	<50
AHP932798	Soil	20	852	873	<1	5043	47	9	5039	179	892	510	55	7098	242	141	64	1439	88	256	<50
AHP932799	Soil	21	2125	3805	<1	42190	47	35	2038	189	2097	1165	83	21131	169	86	48	2076	362	218	<50
AHP932800	Soil	4	356	2670	2	1170	<20	6	1004	71	152	148	119	154615	61	29	15	134	72	80	<50

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	Analyte	Hf	Hg	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Re	Sb	Sc
	Unit	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	MDL	20	5	20	10	5	5	20	5	1	50	10	10	5	50	20	5	5	2	5	100
AHP932788	Soil	24	<5	182	<10	49	1717	160	78	975	46783	267	22	3143	1587	392	633	348	<2	16	1192
AHP932789	Soil	140	22	346	14	118	4009	1481	134	868	142934	498	160	6472	6324	1850	1370	2574	<2	134	6968
AHP932790	Soil	<20	<5	<20	<10	221	298	212	<5	513	32661	926	<10	354	525	3059	73	1885	4	223	1311
AHP932791	Rock Pulp	<20	14	152	<10	78	2115	167	50	445	8746	151	51	3316	1922	1110	732	359	<2	16	1946
AHP932792	Soil	56	18	328	12	99	9548	930	75	719	198698	483	148	11062	2981	2431	2651	1516	<2	78	4622
AHP932793	Soil	<20	18	56	<10	91	2746	88	7	363	216698	310	60	2327	1113	2424	620	296	<2	10	1294
AHP932794	Soil	22	23	34	<10	70	1459	137	7	158	669070	549	80	1305	1063	3821	330	508	<2	28	1168
AHP932795	Soil	<20	15	<20	<10	108	363	59	<5	260	149281	281	34	361	590	1588	78	423	<2	5	505
AHP932796	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932797	Rock Pulp	<20	15	<20	<10	55	496	91	<5	366	223310	384	64	510	568	1455	122	251	<2	12	487
AHP932798	Soil	33	21	48	<10	55	349	175	21	612	175993	285	33	735	1235	753	147	504	<2	17	1415
AHP932799	Soil	30	17	31	<10	80	819	300	7	299	599350	1081	92	939	990	1830	218	588	<2	54	966
AHP932800	Soil	<20	<5	<20	<10	182	76	69	<5	409	31711	572	<10	127	356	2868	21	1090	2	151	560

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	Analyte	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Volume	Mo
	Unit	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ml	ppm
	MDL	200	5	20	20	20	5	20	20	1	5	5	5	50	10	5	5	100	20	0	0.01
AHP932788	Soil	<200	859	<20	14988	<20	147	<20	216	<1	7	69	290	723	29	7888	502	17707	846	20.00	1.66
AHP932789	Soil	<200	1695	68	45489	<20	310	<20	1271	50	31	136	1060	6654	89	11471	921	33701	4254	20.00	2.94
AHP932790	Soil	<200	97	39	5805	<20	12	<20	171	22	51	7	66	3538	4079	437	46	7309	247	20.00	139.9
AHP932791	Rock Pulp	<200	883	22	30122	<20	153	<20	279	21	<5	52	603	1551	<10	5350	332	28671	725	20.00	1.40
AHP932792	Soil	<200	2519	62	33741	<20	371	<20	1403	70	20	95	704	4735	21	9036	543	15667	2310	20.00	1.80
AHP932793	Soil	<200	457	31	16304	<20	67	<20	310	40	8	13	134	1116	<10	1541	75	28241	468	20.00	1.44
AHP932794	Soil	<200	251	42	7871	<20	39	<20	319	48	17	10	134	1801	11	905	51	15944	1135	20.00	1.62
AHP932795	Soil	<200	73	23	10789	<20	9	<20	110	30	7	<5	34	806	<10	262	15	58336	354	20.00	1.43
AHP932796	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932797	Rock Pulp	<200	97	22	19754	<20	13	<20	221	29	<5	<5	57	1202	<10	325	29	20055	388	20.00	1.27
AHP932798	Soil	<200	209	<20	28957	<20	40	<20	311	16	6	18	163	1198	<10	1550	117	31889	1142	20.00	1.42
AHP932799	Soil	<200	203	<20	13960	<20	30	<20	458	44	12	9	91	2473	12	813	57	20366	969	20.00	3.74
AHP932800	Soil	<200	54	21	5100	<20	9	<20	69	74	38	<5	49	1113	3218	266	29	5746	121	10.00	149.1

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	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	0.01	0.001	0.5
AHP932788	Soil	208.4	4.11	61.7	669	14.1	1.4	193	0.63	2.9	0.5	1.8	0.2	145.3	1.22	0.41	0.08	8	1.97	0.097	13.8
AHP932789	Soil	361.8	16.27	240.4	3448	33.5	7.6	815	3.05	8.8	1.6	3.8	1.2	195.3	2.55	0.83	0.29	38	1.28	0.113	20.6
AHP932790	Soil	3454	41.94	119.2	3524	24.0	19.3	471	4.24	75.4	0.6	919.9	1.8	28.4	0.98	5.21	0.61	86	0.35	0.098	9.0
AHP932791	Rock Pulp	88.07	7.26	76.7	850	8.4	1.8	41	0.58	1.4	1.0	2.0	0.1	197.6	1.83	0.28	0.17	10	0.94	0.089	13.1
AHP932792	Soil	106.5	14.60	90.1	905	12.1	6.5	729	1.57	4.2	1.0	2.4	0.7	63.7	0.56	0.37	0.18	24	0.61	0.094	20.4
AHP932793	Soil	25.24	10.81	65.4	528	4.5	1.4	345	0.71	1.3	0.3	1.1	<0.1	34.8	0.90	0.17	0.10	15	0.40	0.081	7.0
AHP932794	Soil	34.91	16.34	52.4	944	4.6	4.5	1101	1.02	2.4	0.3	1.4	0.3	17.0	0.53	0.27	0.15	17	0.21	0.107	5.4
AHP932795	Soil	9.23	6.64	102.7	329	3.5	1.3	196	0.38	1.0	0.1	1.3	0.1	27.1	0.53	0.13	0.08	8	0.30	0.075	2.3
AHP932796	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932797	Rock Pulp	16.65	8.45	71.0	202	6.7	2.8	314	1.07	2.9	0.2	2.0	0.2	30.0	0.31	0.24	0.19	23	0.31	0.044	3.8
AHP932798	Soil	38.08	4.62	68.8	207	7.4	2.4	363	0.71	3.1	0.3	1.5	0.3	206.0	0.40	0.21	0.22	11	1.48	0.091	3.1
AHP932799	Soil	121.2	14.56	100.2	235	9.2	5.7	1119	1.73	17.4	0.3	2.9	0.3	23.4	0.31	0.56	0.18	33	0.27	0.060	4.7
AHP932800	Soil	3547	42.69	119.6	3635	24.5	20.5	487	4.74	73.6	0.6	1347	2.4	26.1	0.78	6.03	1.20	93	0.34	0.092	10.2

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880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02
AHP932788	Soil	4.0	0.20	227.0	0.003	5	0.45	0.007	0.05	0.3	1.0	0.04	0.13	145	0.4	0.04	1.0	0.80	<0.1	0.05	0.22
AHP932789	Soil	19.7	0.35	511.7	0.003	1	2.49	0.011	0.10	0.2	5.7	0.13	0.06	83	0.5	0.14	5.8	2.43	<0.1	0.10	0.79
AHP932790	Soil	33.0	0.66	44.7	0.068	3	0.96	0.022	0.61	10.3	6.5	0.48	2.38	139	6.4	1.16	3.8	2.55	0.1	0.07	0.09
AHP932791	Rock Pulp	4.8	0.09	298.5	0.005	3	0.46	0.008	0.06	<0.1	1.2	<0.02	0.10	125	0.4	0.05	1.3	0.46	<0.1	<0.02	0.26
AHP932792	Soil	10.6	0.21	307.5	0.004	<1	1.46	0.007	0.06	<0.1	2.8	0.08	0.04	84	0.4	0.08	3.4	1.38	<0.1	0.03	0.45
AHP932793	Soil	5.6	0.06	203.6	0.007	3	0.43	0.006	0.06	<0.1	0.8	0.05	0.05	116	0.3	<0.02	1.8	0.56	<0.1	<0.02	0.24
AHP932794	Soil	5.7	0.06	164.3	0.008	1	0.58	0.006	0.05	<0.1	1.1	0.08	0.03	100	0.3	0.02	2.1	0.87	<0.1	<0.02	0.26
AHP932795	Soil	4.1	0.06	133.1	0.007	2	0.31	0.007	0.06	<0.1	0.7	0.05	0.05	99	0.3	0.02	1.1	0.39	<0.1	<0.02	0.19
AHP932796	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932797	Rock Pulp	8.3	0.13	131.7	0.006	1	0.55	0.014	0.06	<0.1	0.5	0.05	0.04	61	0.2	0.04	2.2	0.74	<0.1	<0.02	0.33
AHP932798	Soil	5.0	0.14	104.9	0.003	3	0.41	0.008	0.05	<0.1	1.0	0.05	0.17	203	0.4	0.04	1.1	1.04	<0.1	0.04	0.23
AHP932799	Soil	10.3	0.16	143.7	0.008	<1	0.86	0.013	0.06	<0.1	1.1	0.08	0.04	39	0.2	0.05	3.0	1.28	<0.1	<0.02	0.46
AHP932800	Soil	34.8	0.65	56.3	0.063	2	0.98	0.025	0.63	13.5	6.5	0.52	2.63	144	7.5	1.14	4.3	3.22	<0.1	0.06	0.13

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880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 04, 2011

CERTIFICATE OF ANALYSIS SMI11000231.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
AHP932788	Soil	3.6	0.1	<0.05	1.3	18.88	9.5	<0.02	1	0.2	1.9	<10	<2
AHP932789	Soil	12.2	0.5	<0.05	2.8	22.08	27.5	0.07	6	0.9	10.0	<10	<2
AHP932790	Soil	35.2	1.8	<0.05	1.9	8.34	17.7	0.03	293	0.4	5.0	54	<2
AHP932791	Rock Pulp	2.5	0.2	<0.05	0.4	11.03	17.5	<0.02	<1	0.2	1.4	<10	<2
AHP932792	Soil	7.8	0.3	<0.05	0.6	13.42	38.6	0.03	1	0.7	6.0	<10	<2
AHP932793	Soil	3.5	0.2	<0.05	<0.1	2.78	13.7	<0.02	<1	0.2	0.9	<10	<2
AHP932794	Soil	6.5	0.2	<0.05	0.2	1.85	11.8	<0.02	<1	0.3	1.4	<10	<2
AHP932795	Soil	3.0	0.1	<0.05	0.2	0.72	4.3	<0.02	<1	<0.1	0.9	<10	<2
AHP932796	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
AHP932797	Rock Pulp	8.8	0.3	<0.05	<0.1	1.20	8.1	<0.02	<1	0.1	4.5	<10	<2
AHP932798	Soil	5.9	0.3	<0.05	1.1	3.52	6.7	<0.02	2	0.1	2.4	<10	<2
AHP932799	Soil	8.8	0.3	<0.05	<0.1	2.09	10.6	0.02	<1	0.3	5.1	<10	<2
AHP932800	Soil	36.8	1.6	<0.05	1.8	9.18	21.7	<0.02	376	0.5	4.7	<10	<2

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880 - 609 Granville St.
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Project: Poplar Regional
Report Date: November 04, 2011

QUALITY CONTROL REPORT SMI11000231.1

	Method	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO
	Analyte	Ag	Al	As	Au	Ba	Be	Bi	Ca	Cd	Ce	Co	Cs	Cu	Dy	Er	Eu	Fe	Ga	Gd	Ge
	Unit	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb
	MDL	3	1	100	1	50	20	5	5	20	5	20	5	20	5	5	5	5	50	5	50
Pulp Duplicates																					
AHP096169	Soil	34	4394	2192	2	82724	495	113	4854	1627	2702	1758	26	21300	414	180	109	4232	363	515	<50
REP AHP096169	QC																				
AHP096187	Soil	57	1957	2707	<1	8364	50	28	5380	548	550	1162	234	80004	252	176	64	1240	189	252	<50
REP AHP096187	QC	57	1963	2785	<1	8496	44	31	5693	552	578	1174	232	85336	234	174	62	1199	176	224	<50
AHW932753	Soil	13	2529	232	<1	41413	94	34	1392	161	1452	306	22	2552	80	43	27	1743	275	81	<50
REP AHW932753	QC																				
AHW932765	Soil	10	3757	340	<1	42003	39	<5	4826	276	1649	690	45	1340	133	57	27	1700	451	165	<50
REP AHW932765	QC																				
AHW932766	Soil	21	5931	3491	<1	26051	341	96	5487	344	12741	897	369	3453	2149	1216	518	3431	803	2542	78
REP AHW932766	QC	22	5502	3464	2	25252	238	77	4956	321	12067	916	382	3080	2032	1180	505	3612	873	2749	73
AHP932778	Rock Pulp	187	4993	1736	2	120487	247	130	3565	2663	9120	1173	72	51335	1241	658	502	5207	612	1967	<50
REP AHP932778	QC																				
AHP932797	Rock Pulp	16	1174	431	<1	42713	<20	10	2736	195	1056	689	18	1773	72	31	23	1353	191	104	<50
REP AHP932797	QC																				
Reference Materials																					
STD DS3	Standard	16	1942	5212	6	22135	1181	1446	2444	3633	3968	394	167	36224	394	201	108	1868	271	538	159
STD DS3	Standard	20	1833	5136	6	22923	1340	1513	2355	3657	4171	456	201	36220	382	184	107	1997	309	520	165
STD DS3	Standard	23	1961	5096	8	22456	1295	1482	2321	3575	3968	428	211	32899	418	209	111	1996	381	526	166
STD DS3	Standard	18	1996	5211	6	23306	1347	1459	2073	3457	4121	443	187	34802	410	200	112	2056	340	555	163
STD DS3	Standard	18	2007	5624	8	22896	1195	1637	2164	3504	4213	455	190	34691	394	219	112	1997	357	514	160
STD DS3	Standard	20	2030	5234	6	22747	1545	1610	1979	3316	4025	470	208	33689	423	210	112	2206	364	572	182
STD DS3	Standard	20	1944	5156	7	22358	1088	1617	2418	3931	4157	420	183	34980	362	196	117	1928	308	529	154
STD DS3	Standard	20	1891	5404	9	22937	1198	1565	2202	3581	4199	434	192	34033	418	205	110	1972	270	549	168
STD DS3	Standard	24	1955	5692	8	23321	1135	1596	2164	3696	4047	453	213	33502	380	211	112	1991	317	488	163
STD DS8	Standard																				
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Project: Poplar Regional
Report Date: November 04, 2011

QUALITY CONTROL REPORT SMI11000231.1

	Method	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO
	Analyte	Hf	Hg	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Re	Sb	Sc
	Unit	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	MDL	20	5	20	10	5	5	20	5	1	50	10	10	5	50	20	5	5	2	5	100
Pulp Duplicates																					
AHP096169	Soil	74	25	75	23	39	1393	91	20	617	368951	247	128	1605	12511	2138	364	443	<2	28	2338
REP AHP096169	QC																				
AHP096187	Soil	78	28	49	<10	76	281	648	33	462	495450	5164	60	582	6701	939	122	904	5	181	3726
REP AHP096187	QC	81	28	58	<10	86	323	688	32	460	488782	5028	56	630	7103	1017	122	849	4	186	3634
AHW932753	Soil	46	21	<20	<10	54	768	74	<5	128	72622	234	205	617	1508	2324	149	357	<2	8	1118
REP AHW932753	QC																				
AHW932765	Soil	124	82	25	<10	153	749	152	6	455	1.75105	1089	192	782	1587	205	191	1581	<2	<5	1303
REP AHW932765	QC																				
AHW932766	Soil	128	78	428	11	207	5297	1589	197	1516	906624	1032	273	9944	2191	887	2099	3238	<2	69	6490
REP AHW932766	QC	146	68	406	12	194	5128	1583	195	1414	912799	1042	248	9762	2062	868	2063	3349	<2	61	6654
AHP932778	Rock Pulp	93	16	235	15	114	5838	133	83	182	495852	516	332	7781	7562	6656	1664	581	<2	49	3481
REP AHP932778	QC																				
AHP932797	Rock Pulp	<20	15	<20	<10	55	496	91	<5	366	223310	384	64	510	568	1455	122	251	<2	12	487
REP AHP932797	QC																				
Reference Materials																					
STD DS3	Standard	627	58	82	855	73	2450	196	29	293	188757	2572	156	2400	859	1913	595	610	<2	1083	1314
STD DS3	Standard	588	46	80	904	78	2474	228	26	276	184901	2727	171	2438	993	1980	592	661	<2	1134	1438
STD DS3	Standard	634	47	75	959	74	2379	244	29	292	197067	2720	167	2384	900	1928	583	702	<2	1091	1495
STD DS3	Standard	653	33	81	983	68	2492	223	28	287	203134	2728	149	2491	862	1930	601	637	<2	1118	1275
STD DS3	Standard	639	46	75	944	69	2307	233	27	298	194588	2818	163	2489	879	2006	589	637	<2	1091	1393
STD DS3	Standard	629	34	77	959	69	2305	268	27	285	202330	2795	172	2393	880	1951	584	690	<2	1186	1544
STD DS3	Standard	636	47	70	981	71	2401	192	31	288	206117	2937	161	2582	861	1985	604	627	<2	1084	1512
STD DS3	Standard	607	26	74	938	71	2415	201	29	271	188463	2765	162	2436	981	2002	595	600	<2	1180	1443
STD DS3	Standard	608	35	79	928	73	2376	238	28	287	183912	2662	161	2433	1029	2071	589	628	<2	1216	1535
STD DS8	Standard																				
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Project: Poplar Regional
Report Date: November 04, 2011

QUALITY CONTROL REPORT SMI11000231.1

	Method	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1SLO	1F15
	Analyte	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	Volume	Mo
	Unit	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ml	ppm
	MDL	200	5	20	20	20	5	20	20	1	5	5	5	50	10	5	5	100	20	0	0.01
Pulp Duplicates																					
AHP096169	Soil	<200	389	<20	35215	<20	73	<20	875	<1	9	24	180	1854	<10	2460	153	87624	1979	20.00	1.53
REP AHP096169	QC																				1.52
AHP096187	Soil	<200	202	20	40306	<20	40	<20	660	1	16	25	570	1146	21	1709	212	70013	2446	20.00	I.S.
REP AHP096187	QC	<200	206	29	42410	<20	43	<20	645	22	16	28	579	1287	30	1839	213	66093	2479	20.00	
AHW932753	Soil	<200	108	127	8798	<20	13	<20	704	79	<5	<5	104	1143	20	443	30	9457	1450	20.00	1.06
REP AHW932753	QC																				1.12
AHW932765	Soil	<200	162	42	17167	<20	25	<20	783	78	10	8	176	1222	20	725	48	22913	4161	20.00	2.54
REP AHW932765	QC																				2.43
AHW932766	Soil	<200	2645	91	25155	22	370	<20	1314	92	29	171	2098	8350	34	11851	1302	31020	5372	20.00	3.20
REP AHW932766	QC	<200	2579	95	24686	22	381	<20	1332	79	33	170	2179	8069	53	11232	1284	31214	5257	20.00	
AHP932778	Rock Pulp	<200	1858	61	27040	26	235	<20	2118	44	13	80	417	4412	13	8046	552	110449	2529	20.00	1.80
REP AHP932778	QC																				1.68
AHP932797	Rock Pulp	<200	97	22	19754	<20	13	<20	221	29	<5	<5	57	1202	<10	325	29	20055	388	20.00	1.27
REP AHP932797	QC																				1.28
Reference Materials																					
STD DS3	Standard	<200	550	1779	6484	<20	69	171	1084	72	430	29	4793	4195	2995	2287	208	5385	2066	20.00	
STD DS3	Standard	<200	521	2016	6911	<20	76	170	1189	89	447	29	5071	4302	3185	2525	186	5808	2334	20.00	
STD DS3	Standard	202	516	2001	6726	<20	77	201	1193	82	436	26	5144	4490	3001	2316	196	5888	2233	20.00	
STD DS3	Standard	<200	514	1924	6920	<20	75	182	1251	58	429	27	5062	4233	3169	2511	177	6026	2062	20.00	
STD DS3	Standard	<200	502	1906	6757	<20	71	226	1293	53	431	29	4971	4484	3111	2392	183	6142	2124	20.00	
STD DS3	Standard	<200	546	2090	7001	<20	75	210	1354	57	421	27	5050	4616	3300	2425	191	6115	2195	20.00	
STD DS3	Standard	222	540	1828	6862	<20	69	227	1381	69	425	32	5086	4287	3095	2444	202	5877	2164	20.00	
STD DS3	Standard	205	523	2035	6984	<20	78	204	1300	78	450	29	4955	4550	2976	2433	188	5288	2193	20.00	
STD DS3	Standard	223	493	2069	6693	<20	71	164	1328	74	450	26	4855	4900	2978	2299	184	5508	2260	20.00	
STD DS8	Standard																				12.57
STD DS8	Standard																				10.98
STD DS8	Standard																				12.49
STD DS8	Standard																				12.00

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 04, 2011

QUALITY CONTROL REPORT SMI11000231.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
	Unit	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
	MDL	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	0.01	0.001	0.5
Pulp Duplicates																					
AHP096169	Soil	59.01	28.01	311.1	223	39.6	23.9	3217	3.77	27.3	0.3	1.2	0.1	125.6	3.88	0.50	0.89	35	1.19	0.208	7.4
REP AHP096169	QC	59.64	27.97	312.3	229	39.1	23.4	3327	3.68	27.5	0.3	0.7	<0.1	133.4	3.95	0.45	0.85	32	1.29	0.216	7.5
AHP096187	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP AHP096187	QC																				
AHW932753	Soil	7.81	8.68	37.1	79	4.4	1.5	136	1.05	1.2	0.2	0.4	<0.1	17.1	0.32	0.30	0.14	26	0.16	0.059	4.7
REP AHW932753	QC	7.70	8.26	36.1	77	4.6	1.5	121	1.10	1.3	0.2	0.7	<0.1	16.0	0.27	0.16	0.13	27	0.16	0.050	4.7
AHW932765	Soil	9.84	6.02	72.6	62	8.5	5.5	5542	0.96	1.8	0.5	0.5	0.3	62.0	0.61	0.12	0.08	23	0.86	0.130	5.2
REP AHW932765	QC	9.64	5.71	70.4	65	8.3	5.5	5386	0.97	1.8	0.5	0.6	0.2	61.6	0.53	0.12	0.08	21	0.87	0.129	5.0
AHW932766	Soil	16.80	7.52	95.9	165	9.0	5.8	4543	1.22	9.8	2.8	0.7	0.5	124.4	0.93	0.38	0.19	29	1.12	0.138	23.4
REP AHW932766	QC																				
AHP932778	Rock Pulp	151.7	31.45	370.7	1289	20.1	8.1	2034	2.45	7.1	0.7	0.8	0.2	53.5	6.39	0.46	0.34	27	0.46	0.176	12.2
REP AHP932778	QC	144.5	29.28	342.4	1238	19.2	7.8	1970	2.35	6.8	0.6	1.5	0.1	52.0	6.11	0.46	0.33	27	0.45	0.169	11.7
AHP932797	Rock Pulp	16.65	8.45	71.0	202	6.7	2.8	314	1.07	2.9	0.2	2.0	0.2	30.0	0.31	0.24	0.19	23	0.31	0.044	3.8
REP AHP932797	QC	16.87	8.41	71.5	196	6.8	2.8	317	1.06	2.9	0.2	2.6	0.2	30.4	0.32	0.22	0.24	23	0.36	0.046	3.7
Reference Materials																					
STD DS3	Standard																				
STD DS3	Standard																				
STD DS3	Standard																				
STD DS3	Standard																				
STD DS3	Standard																				
STD DS3	Standard																				
STD DS3	Standard																				
STD DS3	Standard																				
STD DS3	Standard																				
STD DS8	Standard	108.4	109.8	300.5	1677	37.1	7.1	565	2.23	22.2	2.3	122.9	6.2	59.7	2.11	4.43	6.49	37	0.64	0.073	10.8
STD DS8	Standard	102.5	120.5	301.9	1854	36.2	7.1	591	2.37	24.5	2.6	110.0	5.9	57.0	2.37	5.55	6.60	38	0.64	0.080	11.6
STD DS8	Standard	100.7	124.3	306.2	1853	37.1	7.4	604	2.43	23.6	2.6	119.7	5.8	57.4	2.30	4.93	5.89	44	0.68	0.077	14.1
STD DS8	Standard	103.6	118.3	317.5	1712	36.1	7.8	596	2.43	25.1	2.5	99.6	6.1	59.6	2.49	5.09	6.47	40	0.66	0.087	12.8

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880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 04, 2011

QUALITY CONTROL REPORT SMI11000231.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf	Nb
	Unit	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02	0.02
Pulp Duplicates																					
AHP096169	Soil	16.3	0.20	655.5	0.009	1	1.11	0.005	0.06	<0.1	0.8	0.04	0.12	57	0.3	0.45	3.8	1.67	<0.1	<0.02	1.50
REP AHP096169	QC	15.4	0.20	675.2	0.009	2	1.10	0.005	0.06	<0.1	0.7	0.04	0.13	67	0.3	0.44	3.9	1.68	<0.1	<0.02	1.57
AHP096187	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP AHP096187	QC																				
AHW932753	Soil	11.0	0.04	110.9	0.010	1	0.44	0.010	0.04	0.1	0.2	0.03	0.03	54	<0.1	<0.02	2.4	0.53	<0.1	<0.02	0.11
REP AHW932753	QC	11.5	0.04	103.1	0.008	2	0.42	0.009	0.04	<0.1	0.2	0.04	0.02	41	<0.1	<0.02	2.5	0.54	<0.1	<0.02	0.13
AHW932765	Soil	13.1	0.12	383.9	0.048	2	1.08	0.007	0.10	<0.1	0.9	0.08	0.05	213	0.3	0.02	3.3	0.43	<0.1	0.03	0.74
REP AHW932765	QC	13.0	0.13	367.1	0.049	2	1.14	0.007	0.11	<0.1	0.9	0.08	0.05	203	0.3	<0.02	3.3	0.47	<0.1	0.03	0.69
AHW932766	Soil	10.6	0.25	247.3	0.017	3	1.30	0.061	0.11	0.1	3.2	0.16	0.17	285	0.5	<0.02	3.1	1.28	<0.1	0.03	0.37
REP AHW932766	QC																				
AHP932778	Rock Pulp	9.7	0.12	372.9	0.007	2	1.07	0.006	0.10	<0.1	0.8	0.05	0.10	39	0.4	0.08	3.8	2.14	<0.1	<0.02	1.20
REP AHP932778	QC	9.2	0.11	355.1	0.008	<1	1.09	0.006	0.10	<0.1	0.8	0.05	0.09	40	0.3	0.08	3.6	2.25	<0.1	<0.02	1.09
AHP932797	Rock Pulp	8.3	0.13	131.7	0.006	1	0.55	0.014	0.06	<0.1	0.5	0.05	0.04	61	0.2	0.04	2.2	0.74	<0.1	<0.02	0.33
REP AHP932797	QC	8.1	0.13	132.3	0.006	1	0.55	0.014	0.06	<0.1	0.5	0.05	0.04	55	0.1	<0.02	2.2	0.73	<0.1	<0.02	0.31
Reference Materials																					
STD DS3	Standard																				
STD DS3	Standard																				
STD DS3	Standard																				
STD DS3	Standard																				
STD DS3	Standard																				
STD DS3	Standard																				
STD DS3	Standard																				
STD DS3	Standard																				
STD DS3	Standard																				
STD DS8	Standard	111.8	0.54	245.4	0.095	2	0.86	0.099	0.36	2.8	2.0	5.13	0.15	192	5.0	4.81	4.2	2.29	0.1	0.07	1.08
STD DS8	Standard	119.7	0.59	253.9	0.094	2	0.87	0.082	0.41	2.9	1.9	5.36	0.16	191	5.0	4.62	4.3	2.34	<0.1	0.07	1.06
STD DS8	Standard	121.6	0.60	260.3	0.103	2	0.88	0.082	0.40	3.2	2.1	5.81	0.16	209	5.2	5.12	4.8	2.54	<0.1	0.08	1.15
STD DS8	Standard	117.0	0.61	252.7	0.105	3	0.90	0.083	0.41	2.6	2.3	5.25	0.15	182	4.9	4.97	4.6	2.48	<0.1	0.07	1.19

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880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 04, 2011

QUALITY CONTROL REPORT SMI11000231.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates													
AHP096169	Soil	13.9	0.3	<0.05	0.3	4.78	14.8	0.06	<1	0.7	4.7	<10	<2
REP AHP096169	QC	14.3	0.3	<0.05	0.3	4.89	14.9	0.06	<1	0.8	4.3	<10	<2
AHP096187	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
REP AHP096187	QC												
AHW932753	Soil	3.9	0.7	<0.05	<0.1	1.12	9.0	<0.02	<1	<0.1	0.6	<10	<2
REP AHW932753	QC	3.9	0.4	<0.05	<0.1	1.13	8.8	<0.02	<1	0.1	0.8	<10	<2
AHW932765	Soil	11.9	0.3	<0.05	1.5	1.93	10.7	<0.02	<1	0.3	2.2	<10	<2
REP AHW932765	QC	12.5	0.3	<0.05	1.3	1.86	10.8	<0.02	<1	0.2	2.1	<10	<2
AHW932766	Soil	11.0	0.3	<0.05	0.8	20.79	55.5	0.03	<1	0.7	5.6	<10	<2
REP AHW932766	QC												
AHP932778	Rock Pulp	15.6	0.4	<0.05	0.4	11.18	19.5	0.04	<1	0.6	2.9	<10	<2
REP AHP932778	QC	16.4	0.4	<0.05	0.3	10.63	19.1	0.03	<1	0.5	3.0	<10	<2
AHP932797	Rock Pulp	8.8	0.3	<0.05	<0.1	1.20	8.1	<0.02	<1	0.1	4.5	<10	<2
REP AHP932797	QC	8.6	0.4	<0.05	<0.1	1.20	7.8	<0.02	<1	0.1	4.6	<10	<2
Reference Materials													
STD DS3	Standard												
STD DS3	Standard												
STD DS3	Standard												
STD DS3	Standard												
STD DS3	Standard												
STD DS3	Standard												
STD DS3	Standard												
STD DS3	Standard												
STD DS3	Standard												
STD DS8	Standard	35.5	5.6	<0.05	1.9	4.61	24.4	2.15	62	5.2	23.7	106	317
STD DS8	Standard	37.2	6.4	<0.05	1.3	4.72	21.8	2.13	64	4.5	26.0	122	344
STD DS8	Standard	39.1	5.9	<0.05	1.5	5.76	27.3	2.13	47	5.0	26.7	125	374
STD DS8	Standard	38.3	6.7	<0.05	1.9	5.05	23.2	2.26	56	5.1	27.1	106	322

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Project: Poplar Regional
Report Date: November 04, 2011

QUALITY CONTROL REPORT SMI11000231.1

		1SLO Ag ppb 3	1SLO Al ppm 1	1SLO As ppb 100	1SLO Au ppb 1	1SLO Ba ppb 50	1SLO Be ppb 20	1SLO Bi ppb 5	1SLO Ca ppm 5	1SLO Cd ppb 20	1SLO Ce ppb 5	1SLO Co ppb 20	1SLO Cs ppb 5	1SLO Cu ppb 20	1SLO Dy ppb 5	1SLO Er ppb 5	1SLO Eu ppb 5	1SLO Fe ppm 5	1SLO Ga ppb 50	1SLO Gd ppb 5	1SLO Ge ppb 50
STD DS8	Standard																				
STD DS8 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<3	<1	<100	<1	<50	<20	<5	<5	<20	<5	<20	<5	<20	<5	<5	<5	<5	<50	<5	<50
BLK	Blank	<3	<1	<100	<1	<50	<20	<5	<5	<20	<5	<20	<5	<20	<5	<5	<5	<5	<50	<5	<50
BLK	Blank	<3	<1	<100	<1	<50	<20	<5	<5	<20	<5	<20	<5	<20	<5	<5	<5	<5	<50	<5	<50
BLK	Blank	<3	<1	<100	<1	<50	<20	<5	<5	<20	<5	<20	<5	<20	<5	<5	<5	<5	<50	<5	<50
BLK	Blank	<3	4	<100	<1	<50	<20	<5	<5	<20	<5	<20	<5	<20	<5	<5	<5	<5	<50	<5	<50
BLK	Blank	<3	<1	<100	<1	<50	<20	<5	<5	<20	<5	<20	<5	<20	<5	<5	<5	<5	<50	<5	<50

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QUALITY CONTROL REPORT SMI11000231.1

		1SLO Hf ppb 20	1SLO Hg ppb 5	1SLO Ho ppb 20	1SLO In ppb 10	1SLO K ppm 5	1SLO La ppb 5	1SLO Li ppb 20	1SLO Lu ppb 5	1SLO Mg ppm 1	1SLO Mn ppb 50	1SLO Mo ppb 10	1SLO Nb ppb 10	1SLO Nd ppb 5	1SLO Ni ppb 50	1SLO Pb ppb 20	1SLO Pr ppb 5	1SLO Rb ppb 5	1SLO Re ppb 2	1SLO Sb ppb 5	1SLO Sc ppb 100
STD DS8	Standard																				
STD DS8 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<20	<5	<20	<10	<5	<5	<20	<5	<1	<50	<10	<10	<5	<50	<20	<5	<5	<2	<5	<100
BLK	Blank	<20	<5	<20	<10	<5	<5	<20	<5	<1	<50	<10	<10	<5	<50	<20	<5	<5	<2	<5	<100
BLK	Blank	<20	<5	<20	<10	<5	<5	<20	<5	<1	<50	<10	<10	<5	<50	<20	<5	<5	<2	<5	<100
BLK	Blank	<20	<5	<20	<10	<5	<5	<20	<5	<1	<50	<10	<10	<5	<50	<20	<5	<5	<2	<5	<100
BLK	Blank	<20	<5	<20	<10	<5	<5	<20	<5	<1	<50	<10	<10	<5	<50	<20	<5	<5	<2	<5	<100
BLK	Blank	<20	<5	<20	<10	<5	<5	<20	<5	<1	<50	<10	<10	<5	<50	<20	<5	<5	<2	<5	<100

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: November 04, 2011

QUALITY CONTROL REPORT SMI11000231.1

		1SLO Se ppb 200	1SLO Sm ppb 5	1SLO Sn ppb 20	1SLO Sr ppb 20	1SLO Ta ppb 20	1SLO Tb ppb 5	1SLO Te ppb 20	1SLO Th ppb 20	1SLO Ti ppm 1	1SLO Tl ppb 5	1SLO Tm ppb 5	1SLO U ppb 5	1SLO V ppb 50	1SLO W ppb 10	1SLO Y ppb 5	1SLO Yb ppb 5	1SLO Zn ppb 100	1SLO Zr ppb 20	1SLO Volume ml 0	1F15 Mo ppm 0.01
STD DS8	Standard																				13.16
STD DS8 Expected																					13.44
BLK	Blank																				<0.01
BLK	Blank																				<0.01
BLK	Blank																				<0.01
BLK	Blank																				<0.01
BLK	Blank																				<0.01
BLK	Blank	<200	<5	<20	<20	<20	<5	<20	<20	<1	<5	<5	<5	<50	<10	<5	<5	<100	<20	20.00	
BLK	Blank	<200	<5	<20	<20	<20	<5	<20	<20	<1	<5	<5	<5	<50	<10	<5	<5	<100	<20	20.00	
BLK	Blank	<200	<5	<20	<20	<20	<5	<20	<20	<1	<5	<5	<5	<50	<10	<5	<5	<100	<20	20.00	
BLK	Blank	<200	<5	<20	<20	<20	<5	<20	<20	<1	<5	<5	<5	<50	<10	<5	<5	<100	<20	20.00	
BLK	Blank	<200	<5	<20	<20	<20	<5	<20	<20	<1	<5	<5	<5	<50	<10	<5	<5	<100	<20	20.00	
BLK	Blank	<200	<5	<20	<20	<20	<5	<20	<20	<1	<5	<5	<5	<50	<10	<5	<5	<100	<20	20.00	

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		1F15 Cu ppm 0.01	1F15 Pb ppm 0.01	1F15 Zn ppm 0.1	1F15 Ag ppb 2	1F15 Ni ppm 0.1	1F15 Co ppm 0.1	1F15 Mn ppm 1	1F15 Fe % 0.01	1F15 As ppm 0.1	1F15 U ppm 0.1	1F15 Au ppb 0.2	1F15 Th ppm 0.1	1F15 Sr ppm 0.5	1F15 Cd ppm 0.01	1F15 Sb ppm 0.02	1F15 Bi ppm 0.02	1F15 V ppm 2	1F15 Ca % 0.01	1F15 P % 0.001	1F15 La ppm 0.5
STD DS8	Standard	104.1	125.0	300.1	1751	35.8	7.1	606	2.41	23.6	2.8	108.8	7.1	67.7	2.26	5.60	6.68	42	0.72	0.080	16.6
STD DS8 Expected		110	123	312	1690	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08	14.6
BLK	Blank	<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	<0.01	<0.001	<0.5
BLK	Blank	<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	<0.01	<0.001	<0.5
BLK	Blank	<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	<0.01	<0.001	<0.5
BLK	Blank	<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	<0.01	<0.001	<0.5
BLK	Blank	<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	<0.01	<0.001	<0.5
BLK	Blank																				
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Vancouver BC V7Y 1G5 Canada

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QUALITY CONTROL REPORT SMI11000231.1

		1F15 Cr ppm 0.5	1F15 Mg % 0.01	1F15 Ba ppm 0.5	1F15 Ti % 0.001	1F15 B ppm 1	1F15 Al % 0.01	1F15 Na % 0.001	1F15 K % 0.01	1F15 W ppm 0.1	1F15 Sc ppm 0.1	1F15 Tl ppm 0.02	1F15 S % 0.02	1F15 Hg ppb 5	1F15 Se ppm 0.1	1F15 Te ppm 0.02	1F15 Ga ppm 0.1	1F15 Cs ppm 0.02	1F15 Ge ppm 0.1	1F15 Hf ppm 0.02	1F15 Nb ppm 0.02
STD DS8	Standard	120.1	0.60	273.4	0.113	2	0.93	0.089	0.41	3.1	2.4	5.37	0.16	205	5.1	4.87	4.6	2.44	0.1	0.11	1.43
STD DS8 Expected		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	2.48	0.13	0.08	1.65
BLK	Blank	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02
BLK	Blank	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02
BLK	Blank	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02
BLK	Blank	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02
BLK	Blank	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02	<0.02
BLK	Blank																				
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QUALITY CONTROL REPORT SMI11000231.1

		1F15 Rb ppm 0.1	1F15 Sn ppm 0.1	1F15 Ta ppm 0.05	1F15 Zr ppm 0.1	1F15 Y ppm 0.01	1F15 Ce ppm 0.1	1F15 In ppm 0.02	1F15 Re ppb 1	1F15 Be ppm 0.1	1F15 Li ppm 0.1	1F15 Pd ppb 10	1F15 Pt ppb 2
STD DS8	Standard	38.5	6.7	<0.05	2.1	6.69	30.0	2.12	58	5.0	28.5	118	346
STD DS8 Expected		39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339
BLK	Blank	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
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Client: **Lions Gate Metals**
880-609 Granville St. PO Box 10321, Pacific Centre
Vancouver BC V7Y 1G5 Canada

Submitted By:	Andrew Gourlay
Receiving Lab:	Canada-Smithers
Received:	August 03, 2011
Report Date:	September 26, 2011
Page:	1 of 10

CERTIFICATE OF ANALYSIS SMI11000232.1

CLIENT JOB INFORMATION

Project:	Poplar Regional
Shipment ID:	PRG#3
P.O. Number	
Number of Samples:	248

SAMPLE DISPOSAL

STOR-PLP	Store After 90 days Invoice for Storage
STOR-RJT-SOIL	Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	247	Dry at 60C			SMI
SS80	241	Dry at 60C sieve 100g to -80 mesh			SMI
1F05	237	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
RJSV	248	Saving all or part of Soil Reject			SMI

ADDITIONAL COMMENTS

Invoice To: Lions Gate Metals
880-609 Granville St. PO Box 10321,
Pacific Centre
Vancouver BC V7Y 1G5
Canada

CC: Lorie Farrell

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Project: Poplar Regional
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CERTIFICATE OF ANALYSIS SMI11000232.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	0.01	0.001
SCP095651	Soil	3.98	63.50	23.37	114.8	307	10.6	9.6	576	3.40	27.0	0.6	8.0	0.8	13.9	0.18	1.74	1.69	52	0.34	0.052
SCP095652	Soil	5.72	97.43	14.93	189.4	552	26.6	13.6	766	2.80	17.7	0.8	7.8	0.9	22.0	0.37	1.30	1.60	51	0.49	0.060
SCP095653	Soil	7.09	75.33	18.58	133.8	619	13.9	9.9	682	2.95	15.4	1.2	5.2	0.4	21.4	0.26	0.98	1.58	55	0.40	0.045
SCP095654	Soil	3.13	54.02	15.27	83.7	414	9.4	4.5	248	2.80	21.8	0.5	7.6	1.0	18.6	0.17	1.12	1.43	49	0.24	0.039
SCP095655	Soil	3.33	60.93	19.11	86.3	99	10.0	8.3	519	3.27	29.8	0.5	14.5	1.3	16.2	0.14	1.98	1.76	56	0.23	0.041
SCP095656	Soil	5.57	158.5	49.65	142.3	1172	21.1	43.7	3003	4.63	28.9	1.4	8.6	0.5	34.8	0.89	1.43	2.62	68	0.60	0.085
SCP095657	Soil	4.57	88.13	22.66	57.5	1216	13.3	4.0	246	4.00	30.8	0.9	8.2	0.3	22.9	0.17	1.56	2.21	98	0.27	0.046
SCP095658	Soil	3.27	105.5	21.68	28.0	1352	6.3	6.0	84	9.71	82.2	1.2	7.2	0.4	9.9	0.19	1.58	1.63	101	0.12	0.077
SCP095659	Soil	1.04	24.39	14.31	38.6	132	6.6	3.4	108	1.53	5.1	0.3	14.1	<0.1	15.9	0.16	0.44	0.88	38	0.17	0.030
SCP095660	Soil	2.07	39.46	11.75	83.1	186	21.3	6.8	238	2.58	12.9	0.4	6.7	0.2	17.3	0.17	0.70	0.84	57	0.17	0.052
SCP095661	Soil	1.82	21.58	16.38	132.0	237	26.2	8.8	322	3.01	13.3	0.4	4.0	1.6	14.6	0.14	0.59	1.45	65	0.11	0.136
SCP095662	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095663	Soil	1.75	21.46	13.12	65.1	693	14.8	6.3	293	2.55	11.8	0.3	7.1	1.3	10.3	0.14	0.60	0.75	54	0.10	0.080
SCP095664	Soil	2.26	58.68	12.11	124.3	337	46.0	10.7	500	3.13	11.9	0.6	9.8	0.8	32.4	0.30	0.61	0.89	65	0.85	0.035
SCP095665	Soil	2.94	40.64	15.27	150.6	268	33.9	13.1	372	3.92	23.9	0.4	30.5	0.9	23.7	0.39	0.82	1.00	81	0.29	0.080
SCP095666	Soil	2.80	58.57	14.21	109.5	220	31.0	12.3	412	3.62	18.0	0.4	4.9	1.2	16.7	0.31	0.74	1.08	80	0.18	0.049
SCP095667	Soil	5.63	176.4	27.33	191.3	574	43.8	23.2	1334	4.86	26.2	1.6	7.1	0.6	56.6	0.95	1.47	2.14	78	0.66	0.085
SCP095668	Soil	2.43	43.00	18.19	105.6	358	28.1	10.8	268	3.71	21.6	0.4	6.4	1.5	10.0	0.25	0.88	0.82	70	0.11	0.126
SCP095669	Soil	0.90	8.58	15.29	63.7	391	6.4	2.7	133	1.81	5.5	0.4	6.5	1.7	10.2	0.18	0.38	0.52	40	0.12	0.057
SCP095670	Soil	1.24	40.49	13.23	89.2	276	14.7	6.6	547	2.03	8.0	0.5	6.7	0.6	22.6	0.16	0.45	0.98	43	0.28	0.035
SCP095671	Soil	1.65	22.06	14.26	47.9	106	8.8	4.5	138	2.41	10.8	0.3	4.2	0.9	10.4	0.10	0.84	0.69	47	0.08	0.078
SCP095672	Soil	0.80	14.61	8.85	77.3	93	8.8	3.8	230	1.56	4.9	0.4	10.7	1.2	13.5	0.12	0.39	0.43	34	0.16	0.013
SCP095673	Soil	1.25	19.43	12.47	89.0	152	10.7	4.6	238	2.03	8.2	0.4	4.0	1.2	13.5	0.12	0.61	0.55	41	0.14	0.031
SCP095674	Soil	0.21	1.67	5.95	19.7	95	2.6	0.4	93	0.13	4.5	2.3	3.9	0.1	276.3	0.34	2.42	0.04	13	22.79	0.013
SCP095675	Soil	1.44	32.11	15.20	162.6	300	15.8	7.1	267	2.86	15.4	0.5	5.8	1.1	15.3	0.26	0.64	0.71	53	0.17	0.052
SCP095801	Soil	2.35	43.03	18.73	261.0	421	29.7	9.8	380	3.31	33.4	0.5	14.0	1.5	19.9	0.31	1.22	0.99	63	0.22	0.069
SCP095802	Soil	1.71	30.86	12.20	137.3	171	17.9	6.9	370	2.42	14.7	0.4	12.9	0.8	23.0	0.28	0.71	0.96	51	0.25	0.041
SCP095803	Soil	4.17	182.5	22.25	211.2	419	34.4	27.2	812	3.25	29.2	0.8	9.6	0.5	14.8	0.48	1.13	1.35	53	0.16	0.059
SCP095804	Soil	1.87	36.02	12.92	176.0	216	20.9	6.6	416	2.51	18.5	0.6	8.3	0.8	23.8	0.47	0.75	0.89	51	0.45	0.045
SCP095805	Rock Pulp	120.7	3421	44.84	121.1	3415	24.4	18.3	476	4.23	75.3	0.6	906.1	1.9	27.8	0.71	6.36	0.72	78	0.34	0.094

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Project: Poplar Regional
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CERTIFICATE OF ANALYSIS SMI11000232.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SCP095651	Soil	8.2	15.1	0.40	67.6	0.024	<1	1.56	0.010	0.07	0.4	3.0	0.11	<0.02	20	0.7	0.34	4.2	2.33	<0.1	<0.02
SCP095652	Soil	9.2	20.5	0.48	151.3	0.024	<1	2.11	0.010	0.08	0.4	3.4	0.15	0.02	30	0.3	0.31	4.9	3.00	<0.1	<0.02
SCP095653	Soil	10.0	21.5	0.40	98.5	0.018	<1	1.88	0.008	0.07	0.6	2.6	0.16	0.02	27	0.8	0.42	5.5	2.79	<0.1	<0.02
SCP095654	Soil	7.6	16.8	0.40	89.0	0.026	1	1.80	0.007	0.07	0.4	2.8	0.15	<0.02	37	0.3	0.28	5.5	2.88	<0.1	<0.02
SCP095655	Soil	7.2	18.5	0.45	68.6	0.054	<1	1.48	0.009	0.10	0.4	3.0	0.11	<0.02	14	0.7	0.49	4.3	2.08	<0.1	0.02
SCP095656	Soil	14.1	28.6	0.63	164.7	0.020	<1	2.74	0.007	0.13	0.7	3.7	0.28	0.05	80	0.9	0.62	6.5	4.21	<0.1	<0.02
SCP095657	Soil	7.1	26.4	0.68	84.3	0.042	<1	1.82	0.010	0.09	0.6	2.9	0.23	0.03	78	0.6	0.84	8.2	3.53	<0.1	<0.02
SCP095658	Soil	7.0	19.4	0.23	44.7	0.028	<1	1.54	0.006	0.05	0.6	2.6	0.13	0.25	152	1.6	0.40	3.7	1.99	0.1	<0.02
SCP095659	Soil	5.6	15.1	0.23	90.8	0.022	<1	1.73	0.007	0.03	0.3	1.2	0.16	0.03	37	0.3	0.10	5.7	2.24	<0.1	<0.02
SCP095660	Soil	6.2	30.1	0.47	90.8	0.044	<1	2.20	0.008	0.05	0.4	2.1	0.12	0.04	49	0.4	0.22	5.6	2.66	<0.1	<0.02
SCP095661	Soil	7.0	41.4	0.67	77.5	0.082	<1	2.57	0.006	0.06	0.6	3.3	0.16	0.02	38	0.2	0.26	7.7	4.16	<0.1	0.08
SCP095662	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095663	Soil	6.4	27.0	0.36	50.9	0.066	<1	2.16	0.005	0.03	0.7	2.8	0.11	<0.02	27	<0.1	0.17	5.4	2.72	<0.1	0.06
SCP095664	Soil	7.0	53.2	1.18	91.9	0.092	2	2.24	0.030	0.09	0.4	4.2	0.19	0.03	20	0.6	0.12	6.9	4.07	<0.1	<0.02
SCP095665	Soil	6.9	42.5	0.88	108.1	0.069	<1	2.68	0.010	0.09	0.5	3.8	0.09	<0.02	17	0.3	0.22	7.6	4.00	<0.1	<0.02
SCP095666	Soil	7.2	41.9	0.85	105.8	0.065	<1	2.25	0.009	0.07	0.4	4.0	0.09	0.02	36	0.2	0.28	7.6	3.20	<0.1	0.03
SCP095667	Soil	22.2	48.6	1.14	288.9	0.031	<1	4.30	0.011	0.20	0.8	6.1	0.38	0.04	38	1.7	0.54	9.6	7.03	0.1	<0.02
SCP095668	Soil	5.7	34.7	0.67	93.6	0.053	<1	2.92	0.007	0.06	0.5	3.3	0.09	<0.02	53	0.2	0.28	6.1	3.46	<0.1	0.04
SCP095669	Soil	9.8	14.1	0.19	58.4	0.027	<1	1.29	0.007	0.04	0.2	1.8	0.08	<0.02	28	0.2	0.08	5.8	1.66	<0.1	<0.02
SCP095670	Soil	8.5	20.4	0.45	122.0	0.027	<1	1.60	0.009	0.06	0.3	2.5	0.12	<0.02	20	0.2	0.11	4.6	2.88	<0.1	<0.02
SCP095671	Soil	6.2	20.8	0.24	69.7	0.025	<1	2.07	0.005	0.03	0.3	2.2	0.08	<0.02	23	0.3	0.18	4.0	1.64	<0.1	0.03
SCP095672	Soil	7.2	15.0	0.34	66.2	0.041	<1	1.06	0.009	0.03	0.2	2.0	0.07	<0.02	9	0.2	0.02	3.5	2.39	<0.1	0.02
SCP095673	Soil	7.6	16.8	0.38	85.8	0.032	<1	1.42	0.008	0.05	0.3	2.2	0.08	<0.02	18	0.2	0.15	4.2	2.48	<0.1	<0.02
SCP095674	Soil	1.0	3.9	8.95	24.7	0.004	6	0.11	0.253	0.03	0.1	0.3	<0.02	0.51	<5	0.1	0.11	0.3	0.08	<0.1	<0.02
SCP095675	Soil	7.8	22.5	0.40	107.4	0.026	<1	2.38	0.007	0.06	0.3	2.8	0.12	<0.02	33	0.2	0.16	5.6	2.64	<0.1	<0.02
SCP095801	Soil	6.5	37.2	0.84	133.5	0.041	<1	2.92	0.008	0.06	0.6	4.1	0.15	<0.02	47	0.2	0.26	6.8	3.18	<0.1	0.05
SCP095802	Soil	6.6	26.5	0.69	89.5	0.045	<1	1.66	0.009	0.05	0.4	2.8	0.09	<0.02	21	0.3	0.29	4.9	2.63	<0.1	<0.02
SCP095803	Soil	8.7	29.6	0.69	73.8	0.027	2	3.44	0.006	0.08	0.3	3.3	0.21	0.06	75	0.8	0.29	5.9	4.68	<0.1	<0.02
SCP095804	Soil	8.1	25.4	0.62	71.7	0.050	<1	1.52	0.011	0.06	0.5	3.4	0.09	<0.02	13	0.5	0.18	4.7	2.54	<0.1	<0.02
SCP095805	Rock Pulp	8.8	31.1	0.65	35.0	0.066	3	0.94	0.020	0.63	11.2	5.7	0.52	2.35	126	6.1	1.11	3.7	2.68	<0.1	0.06

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Project: Poplar Regional
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS SMI11000232.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SCP095651	Soil	0.25	8.8	0.3	<0.05	0.2	6.76	18.1	0.05	<1	0.2	8.0	<10	<2
SCP095652	Soil	0.44	12.0	0.4	<0.05	0.3	7.20	19.8	0.06	<1	0.5	14.0	<10	<2
SCP095653	Soil	0.39	13.0	0.4	<0.05	0.1	8.60	15.4	0.03	<1	0.4	9.5	<10	<2
SCP095654	Soil	0.41	8.8	0.3	<0.05	0.4	4.31	13.8	0.05	<1	0.3	8.3	<10	<2
SCP095655	Soil	0.29	7.8	0.3	<0.05	1.2	4.31	13.5	0.06	<1	0.4	7.3	<10	<2
SCP095656	Soil	0.38	15.3	0.4	<0.05	0.2	15.02	26.8	0.10	2	1.0	10.3	<10	<2
SCP095657	Soil	0.46	10.6	0.6	<0.05	0.3	4.87	13.3	0.06	<1	0.2	5.3	<10	<2
SCP095658	Soil	0.64	6.9	0.3	<0.05	0.2	7.80	14.3	0.05	3	0.2	2.6	<10	<2
SCP095659	Soil	0.21	5.5	0.4	<0.05	<0.1	3.20	11.4	0.03	<1	0.1	7.2	<10	<2
SCP095660	Soil	0.40	7.1	0.4	<0.05	0.3	3.81	13.2	0.02	<1	0.4	10.6	<10	<2
SCP095661	Soil	1.22	13.0	0.7	<0.05	4.4	2.55	13.9	0.06	<1	0.2	11.6	<10	<2
SCP095662	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095663	Soil	0.84	9.0	0.5	<0.05	2.6	3.13	12.8	0.03	<1	0.3	8.8	<10	<2
SCP095664	Soil	0.96	17.1	0.6	<0.05	1.1	6.71	13.9	0.04	<1	0.3	15.8	<10	<2
SCP095665	Soil	0.91	15.4	0.5	<0.05	0.7	4.22	14.5	0.05	<1	0.5	22.1	<10	<2
SCP095666	Soil	0.73	15.0	0.4	<0.05	1.5	5.54	14.6	0.03	<1	0.3	21.3	<10	<2
SCP095667	Soil	0.49	41.2	0.6	<0.05	0.4	25.51	35.8	0.09	<1	1.2	21.4	<10	<2
SCP095668	Soil	0.53	9.4	0.3	<0.05	2.3	2.70	11.1	0.04	<1	0.4	14.3	<10	<2
SCP095669	Soil	0.80	8.4	0.4	<0.05	1.1	2.13	17.8	0.02	<1	<0.1	10.1	<10	<2
SCP095670	Soil	0.41	15.6	0.4	<0.05	0.2	4.60	16.4	0.03	<1	0.3	9.3	<10	<2
SCP095671	Soil	0.30	6.3	0.3	<0.05	1.0	2.29	11.7	0.03	1	0.3	6.9	<10	<2
SCP095672	Soil	0.41	9.2	0.3	<0.05	0.8	2.65	13.7	0.02	<1	0.1	8.5	<10	<2
SCP095673	Soil	0.41	10.3	0.3	<0.05	0.6	2.83	14.6	0.03	<1	0.3	10.0	<10	<2
SCP095674	Soil	0.09	0.7	0.2	<0.05	0.5	1.09	1.9	<0.02	3	<0.1	1.4	<10	<2
SCP095675	Soil	0.55	12.1	0.3	<0.05	0.5	5.04	16.7	0.03	<1	0.6	13.3	<10	<2
SCP095801	Soil	0.77	10.0	0.5	<0.05	2.4	3.99	13.5	0.08	<1	0.7	16.4	16	<2
SCP095802	Soil	0.39	9.1	0.4	<0.05	0.4	3.78	12.8	0.04	1	0.4	11.3	<10	<2
SCP095803	Soil	0.96	10.4	0.4	<0.05	0.4	13.66	17.5	0.06	<1	0.4	13.7	11	<2
SCP095804	Soil	0.45	9.8	0.4	<0.05	0.6	6.26	15.3	0.05	<1	0.3	10.7	<10	<2
SCP095805	Rock Pulp	0.06	32.3	2.0	<0.05	1.7	8.34	16.7	0.04	297	0.6	4.9	11	<2

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Project: Poplar Regional
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS SMI11000232.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	0.01	0.001
SCP095701	Soil	4.80	252.4	22.14	46.0	2969	5.8	4.8	132	4.27	14.4	1.4	15.7	1.4	20.6	0.35	1.82	1.79	57	0.08	0.084
SCP095702	Soil	4.37	174.8	32.81	48.1	978	10.2	3.9	188	6.26	36.7	1.4	14.5	1.1	24.0	0.12	2.13	1.93	67	0.08	0.157
SCP095703	Soil	3.33	88.36	28.21	79.6	907	9.7	4.1	219	4.94	23.4	0.6	8.9	1.1	23.0	0.46	1.57	2.12	69	0.09	0.101
SCP095704	Soil	3.23	38.62	23.10	42.1	946	6.6	3.8	136	4.36	17.2	0.3	14.5	0.7	11.2	0.12	1.53	2.35	82	0.06	0.071
SCP095705	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095706	Soil	1.45	28.19	16.27	157.9	192	17.3	7.0	221	2.76	16.8	0.3	4.7	1.1	11.0	0.46	0.61	0.86	55	0.10	0.074
SCP095707	Soil	1.37	28.94	16.57	143.0	196	17.1	7.8	228	2.62	15.6	0.3	7.4	1.1	10.8	0.46	0.59	0.85	53	0.10	0.080
SCP095708	Soil	1.72	66.82	16.08	189.9	113	38.4	13.2	359	3.45	26.7	0.4	4.2	1.7	9.6	0.27	0.99	0.97	62	0.08	0.089
SCP095709	Soil	2.95	79.89	24.48	376.2	608	33.3	30.9	2535	4.29	27.7	0.5	3.2	0.9	24.5	1.01	1.30	2.12	69	0.29	0.090
SCP095710	Rock Pulp	139.3	3669	45.54	121.0	3642	26.1	18.8	506	4.36	78.3	0.6	915.4	1.9	29.7	0.73	6.57	0.69	82	0.37	0.102
SCP095711	Soil	1.88	20.37	16.09	102.7	446	11.8	5.0	206	2.75	17.3	0.3	57.2	0.8	14.5	0.43	0.69	0.96	54	0.11	0.110
SCP095712	Soil	1.80	24.94	21.02	79.5	528	12.4	4.2	203	3.73	21.5	0.3	27.2	0.9	12.6	0.23	1.18	2.29	64	0.09	0.076
SCP095713	Soil	3.11	93.18	23.72	136.9	192	35.8	9.6	298	4.24	39.2	0.4	5.0	1.4	16.7	0.21	1.73	2.54	63	0.10	0.157
SCP095714	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095676	Soil	1.24	41.34	14.98	193.9	129	19.9	9.2	671	2.63	11.8	0.4	7.2	0.3	21.0	0.24	0.52	1.26	48	0.26	0.038
SCP095677	Soil	0.98	16.18	11.10	75.1	158	10.8	4.4	276	1.75	5.8	0.3	4.0	0.7	14.3	0.18	0.46	0.65	38	0.15	0.029
SCP095678	Soil	0.86	23.81	10.02	84.9	172	14.6	4.6	239	1.82	5.8	0.4	104.1	1.0	16.2	0.11	0.41	0.54	40	0.17	0.023
SCP095679	Soil	2.06	55.51	23.90	131.5	540	19.7	12.6	802	3.17	13.7	0.7	3.9	0.4	29.0	0.26	0.82	1.66	56	0.25	0.061
SCP095680	Soil	1.63	62.97	14.90	98.7	376	16.8	18.7	555	2.90	10.8	0.4	3.1	0.7	16.1	0.17	0.62	1.31	55	0.15	0.043
SCP095681	Soil	1.85	39.51	16.28	101.6	192	18.2	7.3	425	3.56	21.8	0.3	3.6	1.0	19.7	0.13	1.04	1.69	64	0.14	0.062
SCP095682	Soil	1.53	79.62	20.56	89.9	436	19.9	6.4	312	2.77	12.2	0.5	3.0	0.3	33.4	0.24	0.80	1.55	51	0.36	0.043
SCP095683	Soil	1.69	114.7	16.93	63.7	1298	18.6	6.1	229	3.40	16.6	0.6	6.3	1.8	11.1	0.08	1.17	1.12	47	0.07	0.071
SCP095684	Soil	1.59	62.89	30.00	72.9	625	18.1	7.3	241	3.97	23.8	0.3	9.1	1.8	25.7	0.08	2.45	1.85	55	0.07	0.101
SCP095685	Soil	1.37	56.18	12.14	114.7	319	24.3	4.7	249	2.37	16.2	0.4	3.9	0.7	17.5	0.15	3.17	1.60	43	0.24	0.036
SCP095686	Soil	1.47	640.0	24.26	24.3	3781	19.4	4.4	73	6.65	11.9	3.5	7.2	0.4	14.1	0.26	1.66	1.64	38	0.10	0.104
SCP095687	Soil	1.55	93.62	21.00	41.3	3625	22.1	4.1	139	6.82	16.8	0.6	9.7	0.9	23.4	0.16	1.83	2.64	72	0.10	0.104
SCP095688	Soil	2.13	52.81	41.12	57.3	2124	23.5	4.0	213	4.80	31.4	0.3	17.2	0.7	42.4	0.16	5.84	5.17	56	0.10	0.138
SCP095689	Soil	1.72	81.70	25.46	82.3	1035	18.7	7.1	245	3.80	19.8	0.5	6.6	1.0	34.8	0.19	1.60	1.86	55	0.20	0.061
SCP095690	Soil	1.85	79.78	25.43	71.6	351	14.9	5.6	247	3.90	22.3	0.6	8.6	1.0	39.7	0.27	1.96	1.87	57	0.12	0.050
SCP095691	Soil	2.06	82.96	29.56	175.2	1794	19.3	16.1	342	4.23	29.8	0.4	7.7	1.3	18.0	0.47	1.75	2.46	65	0.10	0.109

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SCP095701	Soil	8.1	15.1	0.30	116.8	0.017	<1	2.92	0.011	0.07	0.7	3.8	0.25	0.09	102	0.8	0.54	5.7	3.65	<0.1	0.05
SCP095702	Soil	8.8	24.2	0.47	153.7	0.043	<1	2.57	0.011	0.10	1.2	3.3	0.22	0.19	93	1.4	0.86	7.0	2.71	<0.1	0.04
SCP095703	Soil	8.1	24.5	0.48	141.1	0.035	1	2.72	0.009	0.08	1.0	3.3	0.23	0.12	84	0.6	0.51	8.3	3.02	<0.1	0.03
SCP095704	Soil	5.4	17.9	0.26	68.6	0.033	<1	1.41	0.005	0.05	0.9	1.8	0.17	0.04	52	0.2	0.68	7.2	2.82	<0.1	<0.02
SCP095705	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095706	Soil	7.1	23.0	0.37	75.4	0.040	<1	1.91	0.005	0.05	0.3	2.4	0.10	<0.02	78	0.2	0.13	6.5	3.05	<0.1	0.05
SCP095707	Soil	7.8	23.3	0.35	76.7	0.037	<1	1.89	0.005	0.04	0.3	2.5	0.10	<0.02	76	0.3	0.16	6.2	2.95	<0.1	0.05
SCP095708	Soil	5.9	40.4	0.81	138.1	0.064	1	3.53	0.003	0.07	0.4	4.1	0.13	0.02	39	0.4	0.29	5.9	2.81	<0.1	0.14
SCP095709	Soil	7.8	37.1	0.74	188.7	0.011	<1	3.46	0.005	0.09	0.2	3.3	0.27	0.02	29	0.4	0.40	9.6	4.98	<0.1	<0.02
SCP095710	Rock Pulp	9.4	34.2	0.68	35.0	0.070	2	1.03	0.021	0.66	11.3	6.2	0.49	2.58	135	7.1	1.21	3.9	2.85	<0.1	0.06
SCP095711	Soil	6.0	21.6	0.36	62.5	0.036	<1	1.51	0.007	0.04	0.4	1.9	0.07	<0.02	27	0.2	0.22	5.4	2.70	<0.1	0.02
SCP095712	Soil	5.2	28.1	0.48	58.3	0.030	1	1.90	0.006	0.05	0.5	2.2	0.13	0.03	65	0.3	0.70	6.5	3.12	<0.1	<0.02
SCP095713	Soil	5.1	46.6	0.72	94.3	0.038	1	3.80	0.003	0.09	0.9	3.7	0.22	0.05	51	0.3	1.00	6.2	4.68	<0.1	0.06
SCP095714	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095676	Soil	6.1	25.1	0.60	85.7	0.020	<1	1.89	0.008	0.05	0.3	2.4	0.08	<0.02	18	0.4	0.23	5.1	3.31	<0.1	<0.02
SCP095677	Soil	7.3	18.7	0.50	60.8	0.041	<1	1.21	0.008	0.04	0.3	2.2	0.07	<0.02	14	<0.1	0.07	4.4	1.83	<0.1	<0.02
SCP095678	Soil	7.7	16.7	0.43	63.8	0.055	<1	1.15	0.010	0.04	0.2	2.3	0.08	<0.02	24	0.2	0.06	3.4	1.86	<0.1	<0.02
SCP095679	Soil	10.1	28.5	0.59	160.5	0.023	2	2.73	0.008	0.10	0.5	2.8	0.20	0.03	41	0.7	0.27	7.4	4.63	<0.1	<0.02
SCP095680	Soil	7.7	25.0	0.57	84.9	0.026	<1	2.09	0.007	0.05	0.3	2.8	0.14	<0.02	36	0.4	0.36	5.7	3.33	<0.1	<0.02
SCP095681	Soil	5.8	30.2	0.74	85.9	0.042	<1	2.23	0.008	0.06	0.5	3.5	0.14	<0.02	26	0.5	0.48	6.1	2.78	<0.1	<0.02
SCP095682	Soil	7.4	26.5	0.63	151.1	0.024	<1	1.88	0.009	0.07	0.4	2.7	0.12	0.03	34	0.7	0.44	5.5	1.77	<0.1	<0.02
SCP095683	Soil	7.0	22.3	0.43	72.3	0.027	<1	2.36	0.006	0.06	0.4	3.8	0.17	0.08	65	0.6	0.27	4.8	3.02	<0.1	0.10
SCP095684	Soil	8.0	27.4	0.51	243.9	0.030	<1	2.61	0.009	0.12	0.8	3.3	0.16	0.14	81	0.5	0.72	5.3	2.66	<0.1	0.06
SCP095685	Soil	7.3	22.7	0.53	63.5	0.026	<1	1.78	0.009	0.05	0.5	2.5	0.10	0.02	34	0.4	0.35	4.8	2.12	<0.1	<0.02
SCP095686	Soil	29.7	25.3	0.21	44.2	0.027	<1	2.36	0.005	0.05	0.9	7.8	0.23	0.10	216	1.9	0.64	5.2	5.45	<0.1	0.03
SCP095687	Soil	9.4	38.0	0.47	92.0	0.022	<1	2.04	0.006	0.08	1.0	2.4	0.25	0.06	172	0.7	1.66	7.3	5.04	<0.1	0.03
SCP095688	Soil	7.3	43.5	0.80	255.4	0.021	<1	2.28	0.018	0.13	3.3	2.8	0.25	0.23	101	1.4	1.93	5.8	2.16	<0.1	<0.02
SCP095689	Soil	8.0	28.2	0.58	128.7	0.041	<1	2.29	0.010	0.11	0.6	3.2	0.24	0.07	57	0.7	0.54	6.2	3.50	<0.1	<0.02
SCP095690	Soil	7.7	26.6	0.59	150.3	0.044	<1	2.09	0.013	0.13	0.5	3.7	0.29	0.15	38	0.5	0.57	5.2	4.69	<0.1	0.02
SCP095691	Soil	6.1	24.8	0.50	130.2	0.019	<1	3.12	0.004	0.10	0.9	3.9	0.20	0.04	128	0.4	0.65	6.6	4.51	<0.1	0.06

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Project: Poplar Regional
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS SMI11000232.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SCP095701	Soil	1.90	10.7	0.7	<0.05	2.3	10.27	16.1	0.08	<1	0.6	10.1	<10	<2
SCP095702	Soil	1.95	9.3	0.5	<0.05	1.9	10.86	16.8	0.09	<1	0.4	9.9	<10	<2
SCP095703	Soil	2.38	14.2	0.7	<0.05	1.3	6.96	14.4	0.07	2	0.5	11.5	<10	<2
SCP095704	Soil	1.05	9.1	0.7	<0.05	6.1	1.61	9.4	0.04	<1	0.4	4.6	<10	<2
SCP095705	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095706	Soil	1.40	9.2	0.6	<0.05	1.6	3.56	13.6	0.05	<1	0.4	10.4	<10	<2
SCP095707	Soil	1.25	9.0	0.5	<0.05	1.6	4.00	14.3	0.05	<1	0.4	8.4	<10	<2
SCP095708	Soil	0.64	8.8	0.4	<0.05	5.4	3.85	13.0	0.08	<1	0.7	15.9	<10	<2
SCP095709	Soil	1.06	23.1	0.7	<0.05	0.7	5.36	19.7	0.10	<1	0.9	20.5	<10	<2
SCP095710	Rock Pulp	0.06	35.6	2.2	<0.05	1.9	8.70	17.8	0.03	325	0.4	5.1	17	<2
SCP095711	Soil	1.01	19.0	0.5	<0.05	0.7	1.95	11.1	0.04	1	0.3	10.7	<10	<2
SCP095712	Soil	0.94	15.4	0.5	<0.05	0.8	1.82	9.4	0.05	<1	0.3	12.5	<10	<2
SCP095713	Soil	0.97	14.3	0.4	<0.05	2.5	2.38	8.9	0.09	1	0.5	16.6	<10	<2
SCP095714	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095676	Soil	0.40	13.8	0.4	<0.05	0.2	3.55	12.8	0.05	2	0.5	20.0	<10	<2
SCP095677	Soil	0.36	9.4	0.3	<0.05	0.4	2.82	13.6	<0.02	<1	<0.1	8.0	<10	<2
SCP095678	Soil	0.43	8.5	0.4	<0.05	0.8	3.60	14.9	0.02	<1	0.2	11.2	<10	2
SCP095679	Soil	0.64	23.2	0.5	<0.05	0.2	5.68	20.5	0.04	1	1.0	14.7	<10	<2
SCP095680	Soil	0.65	14.9	0.5	<0.05	0.3	3.98	15.1	0.05	<1	0.4	18.3	<10	<2
SCP095681	Soil	0.56	13.5	0.4	<0.05	1.1	3.13	10.9	0.05	<1	0.4	16.0	<10	<2
SCP095682	Soil	0.42	10.6	0.4	<0.05	0.2	5.77	13.9	0.04	2	0.4	8.4	<10	<2
SCP095683	Soil	0.67	9.7	0.4	<0.05	4.2	6.99	14.2	0.04	<1	0.5	13.8	<10	<2
SCP095684	Soil	0.39	10.7	0.3	<0.05	2.6	1.81	12.4	0.06	1	0.2	10.4	<10	<2
SCP095685	Soil	0.53	8.5	0.4	<0.05	0.4	3.68	13.0	0.05	<1	0.3	14.9	<10	<2
SCP095686	Soil	1.10	7.9	0.4	<0.05	0.8	55.88	77.6	0.08	3	1.0	3.0	<10	<2
SCP095687	Soil	1.02	15.7	0.7	<0.05	1.1	7.05	18.9	0.04	<1	0.4	6.3	<10	<2
SCP095688	Soil	0.68	15.4	0.4	<0.05	0.9	2.69	11.9	0.08	<1	0.1	7.3	<10	<2
SCP095689	Soil	1.07	14.7	0.5	<0.05	1.1	4.18	14.3	0.07	2	0.4	10.3	<10	<2
SCP095690	Soil	0.46	11.8	0.4	<0.05	1.1	5.83	13.9	0.06	2	0.4	5.8	<10	<2
SCP095691	Soil	0.80	23.2	0.5	<0.05	1.9	2.73	11.6	0.07	<1	0.6	13.7	<10	<2

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Project: Poplar Regional
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS SMI11000232.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	0.01	0.001
SCP095751	Soil	4.23	67.18	16.34	64.1	1503	5.9	3.2	179	2.67	13.3	0.6	19.3	0.3	20.3	0.14	1.12	1.36	47	0.15	0.035
SCP095752	Soil	2.98	69.03	23.67	65.9	732	12.7	3.7	240	4.17	24.2	0.8	11.0	0.5	35.1	0.19	2.25	2.46	56	0.18	0.061
SCP095753	Soil	3.48	112.3	23.32	113.5	1152	16.4	8.4	346	4.19	27.4	0.9	11.9	0.5	28.7	0.19	1.70	2.40	55	0.18	0.071
SCP095754	Soil	2.49	68.58	18.87	85.1	507	13.4	8.5	402	3.35	16.8	0.6	7.1	0.3	29.8	0.21	1.23	1.75	54	0.19	0.053
SCP095755	Soil	5.26	92.12	24.32	92.5	595	12.6	5.5	277	4.18	29.8	0.6	13.4	0.3	32.5	0.14	2.03	2.51	70	0.22	0.055
SCP095756	Soil	5.18	103.3	28.81	79.1	807	12.0	4.7	228	4.58	32.3	0.8	15.5	0.6	31.1	0.27	2.75	2.87	69	0.15	0.065
SCP095757	Soil	4.15	112.8	36.56	120.1	1601	14.9	6.9	328	4.48	31.9	1.1	11.4	0.6	37.8	0.30	2.16	3.48	68	0.21	0.079
SCP095758	Soil	4.65	105.7	30.42	117.8	952	14.9	6.9	308	4.77	34.7	0.8	13.5	0.8	37.1	0.40	2.27	2.66	66	0.23	0.076
SCP095759	Soil	4.75	72.63	32.69	113.1	991	8.9	4.6	207	4.97	36.1	0.5	10.3	1.0	27.5	0.64	2.61	2.65	91	0.18	0.073
SCP095760	Soil	4.66	133.4	23.98	182.8	431	17.0	7.3	355	4.82	30.7	0.8	10.1	1.1	27.8	0.39	2.13	2.62	71	0.34	0.063
SCP095761	Soil	4.30	95.52	22.00	171.7	519	18.3	8.7	547	4.63	35.6	0.7	12.2	1.0	30.1	0.54	2.43	3.12	71	0.35	0.060
SCP095762	Soil	3.68	86.10	18.79	120.0	370	17.7	5.4	383	3.91	28.8	0.7	19.5	0.9	27.1	0.34	1.76	2.74	69	0.30	0.040
SCP095763	Soil	2.30	73.90	29.03	175.2	323	16.5	16.6	738	3.64	21.2	0.7	10.6	1.3	33.6	0.40	1.47	2.22	63	0.40	0.035
SCP095764	Soil	4.96	241.8	30.12	71.8	3781	12.4	6.8	198	4.68	21.6	1.6	13.4	1.7	20.0	0.34	1.48	2.14	53	0.14	0.061
SCP095765	Soil	3.84	68.57	32.69	98.2	653	12.9	6.4	236	4.93	30.7	0.5	9.0	2.2	21.3	0.18	2.26	2.33	73	0.06	0.127
SCP095766	Soil	3.97	93.78	32.30	98.5	663	17.0	7.2	227	6.13	35.1	0.4	8.5	2.0	45.9	0.19	3.02	2.51	71	0.09	0.103
SCP095767	Soil	3.63	147.3	19.83	67.9	279	15.6	5.0	250	4.30	19.6	0.5	108.6	1.0	28.6	0.14	2.43	1.70	89	0.12	0.048
SCP095768	Rock Pulp	134.4	3544	49.79	128.6	3661	27.3	19.8	504	4.58	83.6	0.7	1011	2.2	34.2	0.69	7.86	0.72	88	0.37	0.098
SCP095806	Soil	3.55	73.44	26.83	315.0	2009	52.9	35.7	1428	4.47	34.3	0.8	27.2	0.7	43.9	1.01	1.57	1.93	81	0.65	0.060
SCP095807	Soil	2.24	48.11	18.51	196.0	448	23.6	8.6	554	3.22	22.7	0.6	4.5	0.7	32.7	0.62	0.98	1.32	63	0.45	0.040
SCP095808	Soil	2.69	58.89	26.72	85.3	846	22.4	13.0	450	3.97	26.2	0.4	9.6	1.3	14.7	0.19	1.58	2.36	62	0.10	0.128
SCP095809	Soil	2.78	53.43	30.84	32.8	1348	10.6	3.4	182	11.72	21.7	1.5	15.1	1.7	12.9	0.03	2.17	2.16	92	0.03	0.167
SCP095810	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095811	Soil	2.89	73.85	33.78	31.7	1018	10.0	3.4	166	16.58	27.3	1.0	21.3	3.5	12.3	0.03	2.34	1.93	101	0.02	0.185
SCP095812	Soil	2.70	99.46	20.84	76.2	1207	21.4	8.9	257	7.32	30.1	0.5	9.9	1.7	15.1	0.10	1.74	1.51	65	0.06	0.120
SCP095813	Soil	1.76	85.49	42.13	85.8	1424	53.5	4.6	356	8.03	81.4	0.3	11.5	0.9	34.5	0.08	3.07	15.73	119	0.07	0.176
SCP095814	Soil	2.00	33.42	21.49	60.3	663	16.4	5.5	221	4.07	16.4	0.4	7.2	1.8	25.7	0.07	1.20	2.57	74	0.11	0.108
SCP095815	Soil	1.92	32.77	20.98	55.4	491	13.5	4.6	200	4.08	15.7	0.4	9.5	1.6	23.4	0.05	1.23	2.57	71	0.08	0.089
SCP095692	Soil	1.82	51.29	36.13	214.1	697	11.7	7.2	324	6.03	31.5	0.4	4.4	1.6	24.0	0.61	1.72	2.63	109	0.13	0.207
SCP095693	Soil	1.15	22.66	27.05	129.8	852	8.0	5.7	241	4.10	20.5	0.3	7.0	1.2	16.3	0.51	1.57	2.29	83	0.12	0.103

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CERTIFICATE OF ANALYSIS SMI11000232.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SCP095751	Soil	7.7	15.6	0.43	73.4	0.028	<1	1.51	0.008	0.06	0.4	2.1	0.17	0.03	98	0.4	0.31	5.8	2.11	<0.1	<0.02
SCP095752	Soil	9.2	26.7	0.63	119.9	0.028	<1	1.84	0.011	0.08	1.3	2.9	0.15	0.09	68	1.0	0.77	5.2	2.51	<0.1	<0.02
SCP095753	Soil	9.3	26.4	0.61	125.3	0.023	<1	2.69	0.007	0.09	0.7	3.4	0.19	0.05	116	1.5	0.64	5.6	3.30	<0.1	<0.02
SCP095754	Soil	8.4	23.8	0.61	112.5	0.025	<1	2.07	0.008	0.09	0.6	2.8	0.18	0.05	45	0.8	0.45	5.3	2.91	<0.1	<0.02
SCP095755	Soil	7.4	23.9	0.61	103.2	0.035	<1	1.87	0.010	0.08	1.1	3.1	0.21	0.06	37	0.6	0.61	6.3	2.55	<0.1	<0.02
SCP095756	Soil	7.9	22.8	0.54	118.9	0.043	2	1.96	0.013	0.08	1.1	3.3	0.17	0.06	79	0.8	0.73	7.2	3.12	<0.1	<0.02
SCP095757	Soil	9.7	23.9	0.58	160.1	0.019	<1	2.47	0.014	0.11	0.8	3.5	0.22	0.08	92	0.8	0.77	8.9	3.60	<0.1	<0.02
SCP095758	Soil	7.3	27.3	0.63	154.2	0.026	1	2.40	0.013	0.11	1.0	4.0	0.18	0.06	37	0.6	0.77	7.5	3.98	<0.1	<0.02
SCP095759	Soil	8.8	20.7	0.41	204.8	0.056	<1	1.32	0.016	0.10	1.0	3.1	0.14	0.11	30	0.5	0.88	8.1	2.11	<0.1	<0.02
SCP095760	Soil	8.9	26.8	0.66	136.4	0.030	<1	2.09	0.017	0.08	1.1	4.3	0.14	0.06	32	0.7	0.69	7.0	3.49	<0.1	<0.02
SCP095761	Soil	8.7	26.1	0.62	119.1	0.031	<1	1.93	0.014	0.06	0.9	4.3	0.14	0.03	23	0.8	1.05	5.9	3.10	<0.1	<0.02
SCP095762	Soil	9.5	27.9	0.69	103.0	0.033	<1	1.96	0.016	0.07	0.8	4.0	0.17	0.03	32	0.7	0.60	6.3	3.08	<0.1	<0.02
SCP095763	Soil	10.2	24.7	0.58	146.8	0.023	<1	2.16	0.017	0.06	0.6	4.4	0.16	0.02	24	0.8	0.48	5.9	3.63	<0.1	<0.02
SCP095764	Soil	13.8	19.8	0.44	99.3	0.026	<1	2.68	0.014	0.07	0.8	5.3	0.39	0.05	201	0.7	0.39	7.2	8.87	<0.1	0.03
SCP095765	Soil	7.7	28.5	0.49	146.2	0.019	<1	3.33	0.012	0.10	0.9	4.4	0.16	0.08	62	0.3	0.60	7.4	5.18	<0.1	0.05
SCP095766	Soil	7.9	30.8	0.51	282.4	0.039	<1	3.88	0.026	0.15	1.5	4.9	0.21	0.25	53	0.7	0.77	6.9	5.02	<0.1	0.10
SCP095767	Soil	6.0	30.8	0.89	66.8	0.055	<1	2.56	0.019	0.08	1.5	5.0	0.16	0.09	29	0.4	0.64	7.7	5.86	<0.1	<0.02
SCP095768	Rock Pulp	10.1	36.8	0.67	45.2	0.077	3	1.01	0.028	0.65	12.6	6.9	0.56	2.47	151	7.3	1.33	4.3	3.03	<0.1	0.03
SCP095806	Soil	9.9	60.0	1.48	170.3	0.059	1	3.12	0.015	0.09	0.5	4.2	0.18	0.02	65	0.8	0.58	9.8	4.45	<0.1	<0.02
SCP095807	Soil	8.6	32.7	0.74	113.2	0.038	<1	2.05	0.016	0.06	0.4	3.4	0.11	0.02	24	0.5	0.27	6.2	3.25	<0.1	<0.02
SCP095808	Soil	5.8	33.3	0.57	95.2	0.054	<1	2.61	0.012	0.08	1.2	3.1	0.20	0.04	75	0.5	0.74	8.0	4.49	<0.1	<0.02
SCP095809	Soil	7.6	40.5	0.42	113.3	0.074	<1	1.67	0.009	0.07	0.5	4.6	0.33	0.10	56	0.6	0.90	12.7	9.95	<0.1	<0.02
SCP095810	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095811	Soil	5.1	65.8	0.37	103.2	0.148	<1	1.21	0.008	0.11	0.5	4.0	0.24	0.15	29	1.2	1.53	14.9	6.85	<0.1	0.08
SCP095812	Soil	6.6	35.0	0.54	131.3	0.059	<1	2.62	0.011	0.10	0.6	3.6	0.21	0.05	93	0.4	0.51	6.7	5.22	<0.1	0.07
SCP095813	Soil	6.4	117.0	1.12	269.5	0.079	<1	3.49	0.017	0.17	1.3	5.6	0.76	0.20	80	0.4	5.39	12.4	8.45	<0.1	0.03
SCP095814	Soil	7.3	33.0	0.70	165.9	0.039	<1	2.70	0.013	0.10	0.5	3.9	0.37	0.09	71	0.3	0.91	8.1	6.41	<0.1	0.04
SCP095815	Soil	6.5	31.0	0.62	153.5	0.038	<1	2.57	0.015	0.09	0.7	3.7	0.33	0.09	59	0.4	0.86	8.0	5.72	<0.1	0.07
SCP095692	Soil	7.7	24.0	0.62	222.3	0.037	<1	2.94	0.012	0.11	4.0	4.9	0.17	0.06	62	0.3	0.92	11.8	4.50	<0.1	0.03
SCP095693	Soil	5.9	18.7	0.42	117.3	0.040	<1	1.74	0.011	0.07	1.0	3.0	0.12	<0.02	41	0.3	0.53	8.5	3.43	<0.1	<0.02

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Project: Poplar Regional
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS SMI11000232.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SCP095751	Soil	1.12	10.2	0.7	<0.05	0.3	4.19	13.5	0.05	<1	0.3	7.6	<10	<2
SCP095752	Soil	0.67	8.4	0.4	<0.05	0.4	5.07	16.0	0.07	2	<0.1	7.7	<10	<2
SCP095753	Soil	0.56	10.7	0.5	<0.05	0.3	7.11	16.8	0.07	2	0.6	12.8	<10	<2
SCP095754	Soil	0.37	11.6	0.5	<0.05	0.2	5.75	15.3	0.05	1	0.3	9.2	<10	<2
SCP095755	Soil	0.43	12.3	0.5	<0.05	0.4	4.69	13.2	0.07	1	0.1	6.0	<10	<2
SCP095756	Soil	0.49	9.5	0.5	<0.05	0.4	5.24	13.3	0.10	3	0.6	6.3	<10	<2
SCP095757	Soil	0.85	13.1	0.7	<0.05	0.3	7.04	15.8	0.08	2	0.4	9.1	<10	<2
SCP095758	Soil	0.99	12.2	0.6	<0.05	0.4	5.10	12.7	0.08	2	0.4	9.5	<10	3
SCP095759	Soil	0.72	14.8	0.6	<0.05	0.6	5.44	13.3	0.06	2	0.4	5.3	<10	<2
SCP095760	Soil	0.58	12.1	0.5	<0.05	0.5	9.11	14.8	0.07	<1	0.8	13.2	<10	3
SCP095761	Soil	0.37	12.8	0.4	<0.05	0.6	7.70	17.1	0.07	2	0.5	9.9	<10	3
SCP095762	Soil	0.39	11.9	0.5	<0.05	0.4	8.13	16.3	0.07	1	0.2	9.0	<10	<2
SCP095763	Soil	0.37	13.9	0.5	<0.05	2.6	8.95	19.2	0.08	2	0.6	17.4	<10	<2
SCP095764	Soil	1.81	13.3	0.7	<0.05	1.4	19.18	27.7	0.08	<1	0.6	5.9	<10	2
SCP095765	Soil	0.59	16.6	0.5	<0.05	2.3	2.90	12.9	0.10	3	0.6	12.9	<10	2
SCP095766	Soil	0.84	14.3	0.4	<0.05	3.6	2.56	12.7	0.10	1	0.3	13.4	<10	<2
SCP095767	Soil	0.65	9.2	0.6	<0.05	0.8	3.93	10.4	0.05	3	<0.1	6.1	<10	<2
SCP095768	Rock Pulp	0.08	35.4	2.2	<0.05	1.8	9.66	20.1	0.03	329	0.6	4.8	<10	<2
SCP095806	Soil	0.90	15.7	0.5	<0.05	0.5	7.30	20.4	0.08	<1	0.7	19.1	<10	6
SCP095807	Soil	0.76	12.0	0.5	<0.05	0.4	6.11	16.9	0.05	<1	0.3	12.7	<10	<2
SCP095808	Soil	1.51	12.9	0.6	<0.05	1.1	2.51	11.5	0.07	3	0.4	12.7	<10	2
SCP095809	Soil	0.80	9.7	0.9	<0.05	1.1	5.17	16.6	0.07	<1	0.3	3.5	<10	2
SCP095810	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095811	Soil	0.99	11.0	0.9	<0.05	5.2	3.79	11.5	0.14	2	<0.1	1.4	<10	3
SCP095812	Soil	0.83	14.6	0.5	<0.05	3.8	2.82	11.7	0.04	2	0.6	9.5	<10	<2
SCP095813	Soil	0.51	24.8	0.9	<0.05	1.9	2.38	11.3	0.19	<1	0.3	12.8	<10	<2
SCP095814	Soil	0.48	20.3	0.5	<0.05	3.5	2.56	12.5	0.04	<1	0.5	10.1	<10	<2
SCP095815	Soil	0.38	18.0	0.5	<0.05	3.5	2.52	12.1	0.05	<1	0.3	9.0	<10	<2
SCP095692	Soil	2.24	22.2	1.0	<0.05	1.8	2.90	13.0	0.09	1	0.5	17.1	<10	<2
SCP095693	Soil	0.54	24.8	0.6	<0.05	1.1	2.50	11.3	0.05	<1	0.3	10.9	<10	2

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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	0.01	0.001
SCP095715	Soil	2.78	117.0	56.47	82.4	1727	21.8	4.8	273	6.93	87.5	0.4	12.4	1.4	19.3	0.31	5.54	10.78	107	0.09	0.190
SCP095716	Soil	2.26	81.57	20.19	116.2	467	22.3	9.5	395	3.41	19.5	0.5	14.2	0.9	30.4	0.38	1.81	2.43	62	0.18	0.047
SCP095717	Soil	2.56	85.94	14.65	140.9	176	21.7	7.2	509	3.04	19.9	0.4	8.6	0.6	27.7	0.33	1.22	2.13	65	0.28	0.027
SCP095718	Soil	3.13	63.95	20.23	120.9	601	23.5	8.9	316	4.74	31.0	0.5	6.1	1.4	21.5	0.21	1.78	2.37	78	0.15	0.061
SCP095719	Soil	3.08	70.38	21.27	120.5	465	24.8	9.3	322	4.63	30.3	0.5	6.7	1.4	21.1	0.23	1.76	2.42	75	0.15	0.055
SCP095720	Soil	2.08	27.76	20.12	62.8	303	16.2	5.7	232	3.57	19.6	0.3	3.2	0.8	14.3	0.14	1.19	1.92	84	0.11	0.044
SCP095721	Soil	2.51	36.85	22.63	141.4	761	18.2	8.1	300	4.76	32.0	0.4	24.8	1.3	14.5	0.60	1.40	1.89	77	0.10	0.135
SCP095722	Rock Pulp	153.4	3559	49.99	129.4	3983	26.7	21.0	504	4.72	83.2	0.7	1013	2.3	36.4	0.78	8.05	0.73	91	0.37	0.099
SCP095723	Soil	3.13	61.62	22.07	95.4	858	19.8	24.4	754	3.76	22.1	0.5	4.9	1.0	26.7	0.21	1.60	2.20	71	0.16	0.079
SCP095724	Soil	2.54	52.87	25.28	80.1	340	17.2	9.1	361	3.91	22.8	0.5	3.7	1.5	30.3	0.15	1.65	1.80	77	0.22	0.068
SCP095725	Soil	2.88	60.03	21.29	85.5	608	17.7	7.7	316	3.68	23.4	0.5	3.3	1.2	25.8	0.19	1.43	1.94	68	0.19	0.087
SCP095726	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095951	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095952	Soil	2.64	94.89	3.28	17.0	203	4.9	4.6	10	24.86	95.9	0.8	0.8	0.6	11.7	0.25	1.82	0.25	70	0.17	0.326
SCP095953	Soil	0.81	58.90	0.96	6.3	236	3.1	2.4	9	14.71	31.8	0.5	<0.2	0.3	8.8	0.17	0.45	0.13	38	0.12	0.192
SCP095954	Soil	3.13	106.2	20.87	33.4	808	11.2	3.8	127	3.92	25.4	1.0	6.0	0.3	13.8	0.08	0.86	1.22	52	0.13	0.106
SCP095955	Soil	2.03	186.3	15.71	19.2	1618	6.7	3.3	51	2.06	13.8	3.1	4.0	0.1	28.8	0.25	0.64	0.52	23	0.32	0.177
SCP095956	Soil	2.10	82.62	14.21	74.5	841	12.9	6.7	247	2.71	13.0	0.8	6.1	0.6	14.3	0.11	0.80	0.72	41	0.13	0.049
SCP095957	Soil	3.16	73.52	21.21	68.2	1262	12.8	6.3	242	3.15	14.0	0.8	8.8	1.0	16.6	0.12	1.02	1.14	54	0.13	0.049
SCP095958	Soil	4.47	56.02	23.63	68.6	714	10.3	5.9	210	4.18	19.9	0.5	5.1	1.5	21.0	0.14	1.40	1.29	61	0.11	0.085
SCP095959	Soil	5.21	119.9	20.20	57.1	623	10.1	5.9	212	3.80	17.6	0.9	7.1	1.2	12.1	0.10	1.38	1.03	58	0.08	0.054
SCP095960	Soil	4.03	186.1	17.48	53.0	1890	11.4	12.1	187	4.63	15.6	1.6	11.9	1.6	12.3	0.08	1.08	1.51	57	0.09	0.116
SCP095961	Soil	4.07	89.20	25.42	58.6	668	12.2	6.0	194	5.62	26.2	0.4	14.1	1.5	27.6	0.16	2.09	1.69	86	0.06	0.119
SCP095962	Soil	3.82	43.19	26.04	60.6	628	11.8	4.6	174	5.76	22.7	0.4	4.3	1.0	22.8	0.28	1.23	1.85	112	0.15	0.087
SCP095963	Soil	3.62	40.88	23.68	73.5	418	15.3	5.5	232	4.63	21.1	0.3	3.5	1.1	20.9	0.13	1.37	1.36	77	0.17	0.196
SCP095964	Soil	2.91	25.80	23.72	54.9	452	6.0	3.2	162	4.15	14.6	0.3	30.5	1.0	10.3	0.16	0.99	1.81	81	0.05	0.135
SCP095965	Soil	3.97	73.34	21.68	73.4	638	15.4	5.4	226	3.69	15.5	0.6	6.3	0.7	29.5	0.21	1.26	1.99	60	0.13	0.050
SCP095966	Soil	5.21	79.36	20.00	78.8	486	21.1	4.6	260	3.89	20.3	0.6	18.7	1.0	33.2	0.16	1.47	1.51	69	0.22	0.052
SCP095967	Soil	4.00	93.73	22.07	102.1	563	13.8	6.3	272	3.67	15.9	0.7	5.8	0.8	28.0	0.37	1.11	1.54	63	0.22	0.053
SCP095968	Soil	4.00	40.65	30.57	95.1	795	11.1	5.3	212	5.48	24.8	0.4	3.4	0.8	30.8	0.60	1.52	1.74	89	0.18	0.106

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Client: **Lions Gate Metals**
880-609 Granville St. PO Box 10321, Pacific Centre
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS SMI11000232.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SCP095715	Soil	6.5	58.9	0.73	143.7	0.082	<1	2.58	0.012	0.09	1.0	4.0	0.33	0.07	86	0.4	4.47	12.4	7.42	<0.1	0.04
SCP095716	Soil	7.3	34.1	0.78	117.3	0.043	<1	1.98	0.016	0.07	0.5	3.4	0.14	0.04	33	0.7	0.74	6.1	3.08	<0.1	<0.02
SCP095717	Soil	6.8	31.7	0.71	72.4	0.055	<1	1.59	0.014	0.06	0.5	3.0	0.12	<0.02	20	0.7	0.48	5.8	2.57	<0.1	<0.02
SCP095718	Soil	6.5	32.7	0.68	114.1	0.046	<1	2.47	0.013	0.08	0.6	3.4	0.16	0.04	40	0.2	0.96	8.0	3.93	<0.1	<0.02
SCP095719	Soil	6.5	33.4	0.70	121.8	0.042	<1	2.59	0.013	0.09	0.7	3.7	0.16	0.04	39	0.5	0.83	7.8	3.86	<0.1	<0.02
SCP095720	Soil	6.4	29.1	0.49	75.6	0.074	<1	1.54	0.011	0.06	0.5	2.7	0.20	0.02	24	0.2	0.57	8.6	4.51	<0.1	<0.02
SCP095721	Soil	5.6	35.2	0.52	89.6	0.059	<1	2.29	0.011	0.07	0.6	3.2	0.13	0.04	93	0.7	0.72	8.7	3.61	<0.1	0.03
SCP095722	Rock Pulp	11.1	37.2	0.68	54.0	0.084	2	1.11	0.030	0.67	12.6	7.0	0.54	2.60	151	7.5	1.40	4.6	3.25	0.1	0.04
SCP095723	Soil	7.2	35.9	0.71	96.0	0.039	<1	2.17	0.013	0.08	0.7	3.6	0.28	0.04	41	0.3	0.64	7.8	3.58	<0.1	<0.02
SCP095724	Soil	7.2	31.2	0.74	88.0	0.068	<1	1.91	0.015	0.10	0.5	4.2	0.22	0.04	20	0.2	0.52	7.2	4.68	<0.1	<0.02
SCP095725	Soil	6.7	30.0	0.64	95.5	0.053	<1	2.10	0.013	0.08	0.6	3.5	0.19	0.03	20	0.3	0.52	7.0	3.56	<0.1	<0.02
SCP095726	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095951	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095952	Soil	7.6	9.8	0.01	37.3	0.011	<1	0.69	0.004	0.01	0.5	2.9	0.03	0.19	39	0.6	0.19	0.5	0.12	0.2	0.06
SCP095953	Soil	3.5	5.0	<0.01	25.6	0.004	<1	0.41	0.005	0.01	0.2	1.7	0.03	0.23	71	0.6	<0.02	0.3	0.11	0.1	<0.02
SCP095954	Soil	9.2	22.4	0.39	64.2	0.019	<1	1.85	0.008	0.05	0.7	2.5	0.14	0.13	103	1.0	0.27	4.4	2.31	<0.1	<0.02
SCP095955	Soil	13.9	10.8	0.09	105.1	0.009	2	1.80	0.010	0.03	0.2	1.0	0.12	0.30	267	1.5	0.16	1.8	1.26	<0.1	<0.02
SCP095956	Soil	8.0	21.3	0.42	76.9	0.019	1	2.06	0.011	0.07	0.3	2.5	0.16	0.03	108	0.6	0.15	4.8	2.77	<0.1	<0.02
SCP095957	Soil	7.9	21.8	0.46	95.6	0.025	<1	2.10	0.011	0.06	0.7	3.4	0.18	0.04	93	0.6	0.23	6.2	2.63	<0.1	<0.02
SCP095958	Soil	7.8	20.6	0.36	151.6	0.039	<1	1.79	0.014	0.08	1.2	2.9	0.16	0.11	65	0.5	0.45	6.3	2.27	<0.1	0.04
SCP095959	Soil	8.0	20.8	0.42	81.4	0.032	<1	1.87	0.011	0.06	0.5	3.1	0.18	0.04	37	0.6	0.35	5.9	2.34	<0.1	<0.02
SCP095960	Soil	9.7	25.4	0.47	110.3	0.058	<1	2.69	0.012	0.06	0.8	4.1	0.25	0.06	66	0.6	0.33	7.7	4.14	<0.1	0.05
SCP095961	Soil	7.1	30.8	0.46	271.3	0.071	<1	2.72	0.023	0.15	1.0	4.9	0.27	0.26	90	1.0	0.75	7.0	2.80	<0.1	0.06
SCP095962	Soil	6.4	29.6	0.38	140.2	0.095	<1	1.79	0.012	0.07	0.9	3.5	0.15	0.07	36	0.4	0.69	12.9	2.59	<0.1	0.04
SCP095963	Soil	5.0	30.9	0.61	148.1	0.044	1	1.94	0.011	0.09	0.8	3.4	0.20	0.08	43	0.4	0.55	7.6	2.63	<0.1	0.04
SCP095964	Soil	5.7	19.8	0.17	97.0	0.042	<1	1.46	0.009	0.04	0.8	2.2	0.14	0.04	19	0.3	0.47	7.2	1.65	<0.1	<0.02
SCP095965	Soil	7.8	28.0	0.57	129.9	0.026	<1	2.06	0.012	0.09	1.1	3.4	0.18	0.07	34	0.5	0.57	7.3	2.93	<0.1	<0.02
SCP095966	Soil	6.5	30.7	0.72	134.8	0.051	<1	1.87	0.017	0.11	0.9	4.0	0.18	0.07	39	0.6	0.48	6.6	2.39	<0.1	<0.02
SCP095967	Soil	10.8	23.6	0.44	130.8	0.023	<1	1.98	0.013	0.08	0.8	4.0	0.17	0.04	41	0.5	0.47	6.7	2.73	<0.1	<0.02
SCP095968	Soil	7.0	23.3	0.37	200.2	0.037	<1	1.74	0.014	0.10	1.0	2.9	0.12	0.11	54	0.4	0.70	8.4	2.36	<0.1	<0.02

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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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SCP095715	Soil	2.78	18.3	1.1	<0.05	2.9	2.16	11.6	0.10	1	0.5	13.6	<10	<2
SCP095716	Soil	0.36	12.9	0.4	<0.05	0.3	4.02	14.5	0.06	2	0.4	14.4	<10	4
SCP095717	Soil	0.42	15.8	0.5	<0.05	0.3	4.12	13.8	0.05	<1	0.3	9.7	<10	<2
SCP095718	Soil	0.91	16.9	0.5	<0.05	1.1	3.29	12.6	0.06	<1	0.3	15.6	<10	<2
SCP095719	Soil	0.86	16.4	0.6	<0.05	1.3	3.37	12.4	0.05	1	0.4	16.5	<10	<2
SCP095720	Soil	0.95	21.0	0.7	<0.05	0.5	2.53	12.3	0.03	<1	0.3	6.0	<10	<2
SCP095721	Soil	1.36	18.0	0.5	<0.05	1.4	2.88	10.5	0.06	<1	0.4	17.7	<10	<2
SCP095722	Rock Pulp	0.11	38.7	2.0	<0.05	2.0	9.75	21.4	0.03	390	0.4	5.1	13	2
SCP095723	Soil	0.42	19.4	0.5	<0.05	0.2	3.02	13.7	0.07	<1	0.4	10.0	<10	<2
SCP095724	Soil	0.48	18.3	0.5	<0.05	1.1	3.91	14.0	0.05	1	0.3	8.2	<10	<2
SCP095725	Soil	0.61	17.9	0.5	<0.05	0.7	3.77	12.4	0.05	1	0.2	10.1	<10	<2
SCP095726	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095951	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095952	Soil	0.50	0.8	<0.1	<0.05	1.7	37.85	22.5	<0.02	2	0.2	<0.1	<10	<2
SCP095953	Soil	0.18	0.6	<0.1	<0.05	0.7	20.04	10.0	<0.02	7	<0.1	<0.1	<10	<2
SCP095954	Soil	0.87	6.0	0.3	<0.05	0.5	10.52	18.5	0.04	<1	0.2	5.8	<10	<2
SCP095955	Soil	0.45	3.7	0.2	<0.05	0.2	18.22	27.9	0.05	2	0.7	1.4	<10	<2
SCP095956	Soil	0.59	8.0	0.3	<0.05	0.4	3.92	14.7	0.03	<1	0.3	13.9	<10	<2
SCP095957	Soil	0.81	9.6	0.4	<0.05	0.4	3.59	14.0	0.05	<1	0.3	11.0	<10	<2
SCP095958	Soil	1.87	11.1	0.5	<0.05	1.6	3.25	13.4	0.05	<1	0.3	8.7	<10	<2
SCP095959	Soil	1.08	8.0	0.5	<0.05	0.7	4.18	14.4	0.05	<1	0.3	9.0	<10	<2
SCP095960	Soil	3.23	11.8	0.7	<0.05	2.6	8.41	18.1	0.04	<1	0.5	11.6	<10	<2
SCP095961	Soil	0.68	13.2	0.4	<0.05	2.9	2.43	11.0	0.08	2	0.4	9.9	<10	<2
SCP095962	Soil	5.08	8.7	1.2	<0.05	1.7	3.04	10.9	0.06	<1	0.2	5.2	<10	<2
SCP095963	Soil	1.11	17.4	0.5	<0.05	1.4	1.50	8.3	0.06	1	0.3	10.5	<10	<2
SCP095964	Soil	0.85	8.8	0.7	<0.05	0.7	1.45	9.9	0.04	<1	0.3	5.8	<10	<2
SCP095965	Soil	1.06	12.5	0.4	<0.05	0.4	3.65	13.6	0.05	<1	0.3	9.4	<10	<2
SCP095966	Soil	0.36	12.7	0.4	<0.05	0.5	3.82	11.3	0.05	<1	0.2	8.0	<10	<2
SCP095967	Soil	0.61	15.5	0.5	<0.05	0.2	8.65	19.6	0.05	2	0.5	10.9	<10	<2
SCP095968	Soil	1.51	15.3	0.7	<0.05	0.5	3.21	11.5	0.05	<1	0.3	9.2	<10	<2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	0.01	0.001
SCP095816	Soil	2.02	56.19	21.48	85.8	444	20.0	10.6	257	3.50	19.5	0.5	7.4	1.6	14.0	0.12	1.14	1.17	61	0.10	0.080
SCP095817	Soil	1.91	42.70	22.03	115.8	678	22.3	15.3	404	3.84	19.1	0.4	3.7	1.6	9.4	0.15	0.84	1.20	66	0.08	0.101
SCP095818	Soil	2.61	100.8	19.90	87.6	451	31.7	11.1	289	4.08	23.3	0.6	5.3	2.0	12.8	0.13	1.21	1.61	69	0.08	0.180
SCP095819	Soil	1.79	52.61	20.32	124.5	268	22.9	10.5	295	4.08	21.2	0.5	6.3	2.1	9.1	0.13	0.97	1.49	69	0.07	0.112
SCP095820	Soil	155.6	3632	35.92	113.6	3130	27.5	21.2	471	4.64	65.9	0.5	869.3	1.7	24.7	0.73	5.55	0.53	88	0.33	0.082
SCP095769	Soil	1.64	36.12	15.68	96.1	248	16.9	6.1	347	2.18	7.1	0.5	1.7	1.1	15.5	0.12	0.48	0.87	46	0.18	0.027
SCP095770	Soil	1.22	29.55	19.12	143.1	568	21.1	9.9	231	2.90	12.0	0.5	5.0	2.4	10.5	0.18	0.67	0.50	50	0.12	0.089
SCP095771	Soil	1.80	22.99	21.64	101.6	300	15.8	7.4	304	3.75	18.9	0.4	3.8	1.8	8.6	0.20	0.76	0.84	63	0.11	0.218
SCP095772	Soil	1.24	12.35	20.04	56.6	293	10.2	4.8	180	3.57	12.4	0.4	85.3	1.9	8.0	0.10	0.74	0.75	73	0.06	0.047
SCP095773	Soil	1.05	41.41	14.38	84.9	349	13.9	9.3	518	2.12	5.7	0.5	1.5	1.3	26.8	0.24	0.61	0.75	46	0.21	0.027
SCP095774	Soil	1.71	41.49	16.52	106.0	313	19.2	12.5	323	3.52	17.1	0.4	5.1	1.4	18.2	0.20	0.96	1.70	63	0.13	0.071
SCP095775	Soil	1.39	42.92	19.95	119.2	836	29.0	9.6	314	4.21	17.9	0.4	3.8	1.4	14.2	0.16	0.99	1.88	72	0.10	0.151
SCP095776	Soil	1.59	40.84	21.64	121.0	448	25.0	10.1	365	4.73	21.9	0.4	5.6	1.9	11.7	0.14	0.99	1.68	76	0.10	0.126
SCP095777	Soil	1.82	16.31	18.51	104.0	287	8.3	5.7	268	4.24	12.1	0.4	0.7	1.6	7.0	0.38	0.71	1.03	79	0.07	0.086
SCP095778	Soil	1.22	19.35	14.59	82.2	900	20.2	11.8	269	2.73	15.7	0.5	12.2	2.0	11.3	0.16	0.65	0.63	51	0.10	0.051
SCP095779	Soil	1.08	18.81	14.98	79.7	639	12.8	5.9	197	3.30	9.9	0.4	1.5	1.6	12.2	0.13	0.60	0.79	74	0.11	0.075
SCP095780	Soil	1.62	31.68	22.62	82.4	251	21.8	7.0	253	4.51	18.4	0.4	3.9	1.8	17.0	0.12	1.62	1.44	73	0.09	0.096
SCP095781	Soil	1.25	14.23	20.35	180.6	499	12.8	7.7	269	4.12	13.8	0.4	3.9	1.9	8.2	0.38	0.67	0.96	64	0.08	0.146
SCP095782	Soil	1.23	26.30	21.15	181.4	419	16.1	9.3	257	4.64	21.1	0.5	7.0	1.8	9.4	0.40	0.77	1.33	79	0.11	0.220
SCP095783	Soil	1.78	27.59	21.11	160.6	595	10.3	13.4	333	4.12	24.7	0.3	4.0	1.4	13.7	0.31	1.00	1.72	80	0.14	0.049
SCP095784	Soil	3.08	37.16	23.14	332.2	329	13.7	10.5	348	5.24	34.2	0.3	2.5	1.2	12.9	1.01	1.22	1.93	87	0.15	0.050
SCP095785	Soil	1.26	19.91	17.35	177.6	624	10.6	7.3	264	4.62	20.5	0.3	6.0	1.1	16.6	0.41	0.93	1.41	103	0.13	0.039
SCP095786	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095727	Soil	2.32	67.61	17.18	153.2	433	22.3	21.9	880	3.49	19.2	0.7	10.5	0.5	29.4	0.34	0.99	1.09	56	0.33	0.067
SCP095728	Soil	3.14	51.91	18.00	77.1	329	16.6	6.2	315	3.25	19.7	0.5	30.4	0.9	26.4	0.14	1.08	1.21	59	0.21	0.045
SCP095729	Soil	5.16	99.45	28.13	84.6	650	13.0	5.5	298	4.72	26.4	0.8	11.6	1.5	22.1	0.12	1.52	1.54	62	0.11	0.054
SCP095730	Soil	5.24	69.41	25.51	54.1	850	14.7	4.5	214	4.14	26.1	0.7	9.8	0.9	43.9	0.28	1.69	2.49	65	0.13	0.065
SCP095731	Soil	4.95	66.03	25.77	50.8	912	13.6	4.2	215	4.03	24.9	0.7	14.1	0.9	45.4	0.22	1.55	2.84	65	0.13	0.065
SCP095699	Soil	4.13	75.61	32.75	119.7	873	11.1	6.4	243	4.54	19.2	0.4	4.8	1.5	20.8	0.27	1.51	1.84	69	0.09	0.110
SCP095700	Soil	6.59	171.4	40.57	89.3	1736	12.2	7.3	246	6.24	36.5	0.8	12.1	2.4	29.9	0.23	1.80	2.73	81	0.12	0.352

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Client: **Lions Gate Metals**
880-609 Granville St. PO Box 10321, Pacific Centre
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS SMI11000232.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SCP095816	Soil	8.9	27.6	0.45	120.5	0.034	1	2.63	0.011	0.07	0.4	4.0	0.18	0.03	32	0.4	0.37	7.2	3.88	<0.1	0.09
SCP095817	Soil	7.0	27.3	0.35	81.6	0.030	<1	2.62	0.010	0.05	0.3	3.1	0.19	0.03	69	0.3	0.31	8.0	3.23	<0.1	0.05
SCP095818	Soil	6.1	34.0	0.65	70.4	0.045	1	4.43	0.011	0.08	0.5	4.3	0.28	0.10	71	0.5	0.45	7.5	5.71	<0.1	0.10
SCP095819	Soil	6.5	33.8	0.53	81.9	0.033	1	3.74	0.011	0.07	0.4	4.5	0.15	0.03	84	0.3	0.49	7.7	3.79	<0.1	0.11
SCP095820	Soil	8.4	33.0	0.68	35.8	0.067	2	1.02	0.026	0.64	10.2	6.3	0.44	2.75	108	6.6	1.03	3.9	2.63	<0.1	0.04
SCP095769	Soil	8.8	20.9	0.47	81.2	0.033	<1	1.72	0.011	0.06	0.2	2.8	0.11	<0.02	26	0.3	0.07	5.7	3.66	<0.1	<0.02
SCP095770	Soil	7.5	22.1	0.31	71.8	0.041	<1	2.54	0.010	0.05	0.2	3.0	0.11	<0.02	41	0.3	0.11	5.2	3.18	<0.1	0.08
SCP095771	Soil	6.7	25.8	0.38	55.6	0.036	<1	2.13	0.010	0.05	0.3	3.0	0.11	<0.02	51	0.3	0.23	6.7	2.97	<0.1	0.06
SCP095772	Soil	7.6	20.3	0.24	64.8	0.033	<1	1.57	0.009	0.04	0.3	2.2	0.08	<0.02	34	0.2	0.13	7.7	3.88	<0.1	0.05
SCP095773	Soil	11.2	19.1	0.34	69.0	0.042	<1	1.26	0.015	0.04	0.2	2.7	0.16	<0.02	15	0.3	0.14	4.7	3.15	<0.1	<0.02
SCP095774	Soil	6.7	28.9	0.61	102.4	0.052	<1	2.27	0.013	0.06	0.5	3.6	0.14	0.02	33	0.2	0.30	6.1	3.19	<0.1	0.03
SCP095775	Soil	6.7	41.2	0.67	112.9	0.050	<1	3.22	0.011	0.07	0.6	3.7	0.18	0.04	61	0.4	0.67	7.9	4.07	<0.1	0.04
SCP095776	Soil	6.3	36.5	0.59	93.1	0.036	<1	3.65	0.011	0.08	0.4	4.0	0.19	0.03	65	0.3	0.47	9.0	4.32	<0.1	0.07
SCP095777	Soil	6.4	21.7	0.24	72.3	0.045	<1	2.79	0.010	0.05	0.4	2.7	0.10	0.02	58	0.3	0.30	10.2	2.41	<0.1	0.03
SCP095778	Soil	7.6	20.4	0.34	84.1	0.048	<1	1.72	0.012	0.05	0.2	2.4	0.07	<0.02	38	0.3	0.18	4.3	2.66	<0.1	0.05
SCP095779	Soil	7.2	22.1	0.34	76.5	0.048	<1	1.75	0.010	0.05	0.3	2.6	0.11	<0.02	34	0.2	0.20	7.3	2.90	<0.1	0.03
SCP095780	Soil	7.3	34.8	0.67	136.6	0.042	1	2.78	0.013	0.09	0.6	3.8	0.20	0.07	38	0.4	0.60	7.9	4.66	<0.1	0.06
SCP095781	Soil	7.8	23.0	0.31	116.7	0.040	<1	2.59	0.012	0.06	0.4	2.7	0.12	<0.02	66	0.2	0.25	9.3	3.65	<0.1	0.08
SCP095782	Soil	7.2	25.8	0.40	91.0	0.032	<1	3.45	0.012	0.06	0.6	4.3	0.15	0.05	66	0.5	0.41	9.3	3.35	<0.1	0.09
SCP095783	Soil	6.2	20.5	0.40	109.7	0.043	<1	1.98	0.010	0.07	0.7	3.1	0.17	<0.02	29	<0.1	0.61	8.1	6.32	<0.1	0.03
SCP095784	Soil	5.0	22.0	0.47	103.2	0.051	1	2.26	0.012	0.07	0.9	3.6	0.13	0.02	32	0.2	0.61	8.9	4.31	<0.1	0.05
SCP095785	Soil	5.7	22.6	0.48	77.6	0.072	<1	1.64	0.013	0.07	0.9	4.1	0.17	0.04	21	0.2	0.48	8.5	5.04	<0.1	0.04
SCP095786	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095727	Soil	10.0	25.1	0.53	119.5	0.021	<1	2.31	0.014	0.07	0.5	3.6	0.24	0.05	51	0.6	0.30	5.1	3.13	<0.1	<0.02
SCP095728	Soil	7.0	28.9	0.65	127.0	0.054	<1	1.90	0.015	0.09	0.5	3.8	0.16	0.03	26	0.4	0.30	6.2	2.77	<0.1	<0.02
SCP095729	Soil	7.7	26.8	0.58	129.2	0.051	<1	2.61	0.013	0.18	0.7	5.1	0.30	0.05	72	0.8	0.48	7.6	4.89	<0.1	<0.02
SCP095730	Soil	9.8	31.4	0.62	187.5	0.049	<1	2.10	0.023	0.11	1.6	4.0	0.33	0.13	37	0.8	0.61	7.0	3.90	<0.1	<0.02
SCP095731	Soil	9.4	29.6	0.63	184.5	0.038	<1	2.17	0.022	0.11	1.2	4.1	0.33	0.14	37	0.8	0.59	7.0	3.34	<0.1	<0.02
SCP095699	Soil	5.7	23.8	0.55	184.5	0.018	<1	3.15	0.013	0.13	0.8	4.8	0.17	0.11	53	0.5	0.69	7.2	3.24	<0.1	0.05
SCP095700	Soil	7.5	31.1	0.48	225.7	0.025	<1	3.63	0.018	0.15	0.9	4.7	0.25	0.15	70	0.7	0.75	9.7	4.19	<0.1	0.07

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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SCP095816	Soil	1.25	12.1	0.6	<0.05	3.3	5.65	16.9	0.04	<1	0.5	10.7	<10	<2
SCP095817	Soil	1.62	11.7	0.7	<0.05	2.8	2.71	12.6	0.06	<1	0.5	13.1	<10	<2
SCP095818	Soil	1.09	11.5	0.5	<0.05	4.8	4.53	12.2	0.06	<1	0.5	15.6	<10	<2
SCP095819	Soil	1.31	12.8	0.5	<0.05	5.2	3.01	12.0	0.06	<1	0.6	14.1	<10	<2
SCP095820	Soil	0.08	33.6	1.6	<0.05	1.6	8.36	15.9	0.04	305	0.3	4.5	<10	<2
SCP095769	Soil	0.69	15.0	0.5	<0.05	0.3	3.34	16.0	0.03	<1	0.3	11.8	<10	<2
SCP095770	Soil	1.00	17.2	0.4	<0.05	3.4	2.99	14.4	0.05	<1	0.6	12.8	<10	<2
SCP095771	Soil	1.17	13.2	0.4	<0.05	2.7	2.38	14.3	0.05	<1	0.4	14.7	<10	<2
SCP095772	Soil	1.05	9.7	0.5	<0.05	2.2	2.01	13.1	0.03	<1	0.3	9.5	<10	<2
SCP095773	Soil	0.51	13.1	0.4	<0.05	0.6	9.47	22.0	0.02	3	0.3	10.0	<10	<2
SCP095774	Soil	0.61	12.1	0.4	<0.05	1.3	4.41	12.9	0.05	<1	0.5	12.4	<10	<2
SCP095775	Soil	1.28	14.4	0.5	<0.05	2.3	2.50	11.6	0.06	<1	0.5	15.0	<10	<2
SCP095776	Soil	1.55	16.5	0.6	<0.05	3.8	2.28	11.1	0.07	1	0.4	18.9	<10	<2
SCP095777	Soil	3.50	12.0	0.9	<0.05	2.0	2.11	11.6	0.04	<1	0.3	12.8	<10	<2
SCP095778	Soil	0.44	12.1	0.3	<0.05	2.3	3.00	14.2	0.04	<1	0.4	7.8	<10	<2
SCP095779	Soil	0.97	12.8	0.6	<0.05	2.0	2.12	12.7	0.04	<1	0.3	11.3	<10	<2
SCP095780	Soil	0.88	16.7	0.4	<0.05	2.6	2.28	12.5	0.05	<1	0.4	16.6	<10	<2
SCP095781	Soil	5.14	18.5	1.2	<0.05	3.6	2.77	14.2	0.06	<1	0.6	15.8	<10	<2
SCP095782	Soil	2.81	13.4	0.7	<0.05	3.5	5.76	14.5	0.07	1	0.7	17.3	<10	<2
SCP095783	Soil	0.66	27.9	0.6	<0.05	1.1	2.47	11.4	0.06	1	0.5	10.8	<10	<2
SCP095784	Soil	0.90	21.2	0.5	<0.05	1.4	2.61	9.8	0.07	<1	0.5	17.2	<10	<2
SCP095785	Soil	1.43	27.8	0.5	<0.05	1.7	2.81	10.7	0.05	<1	0.2	14.7	<10	<2
SCP095786	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095727	Soil	0.36	9.1	0.3	<0.05	0.2	10.47	20.7	0.05	<1	0.7	13.5	<10	<2
SCP095728	Soil	0.51	10.9	0.4	<0.05	0.6	4.11	13.5	0.04	3	0.2	7.6	<10	<2
SCP095729	Soil	0.60	16.4	0.4	<0.05	0.8	4.11	14.0	0.09	3	0.5	8.8	<10	<2
SCP095730	Soil	0.97	13.4	0.6	<0.05	0.4	5.03	17.9	0.06	<1	0.3	5.9	<10	<2
SCP095731	Soil	0.98	12.7	0.5	<0.05	0.4	4.93	17.3	0.07	<1	0.3	5.7	<10	<2
SCP095699	Soil	1.47	17.9	0.5	<0.05	2.1	2.52	10.2	0.09	<1	0.5	13.7	<10	<2
SCP095700	Soil	1.62	17.5	0.6	<0.05	3.5	3.28	13.4	0.11	<1	0.5	17.7	<10	<2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	0.01	0.001
SCP095551	Soil	0.93	327.9	3.19	15.9	915	4.0	1.9	15	0.11	7.9	3.5	4.0	0.2	5.1	0.18	0.33	0.70	8	0.11	0.142
SCP095552	Soil	3.03	77.37	20.44	138.4	575	11.9	7.2	308	3.39	29.8	0.6	12.2	2.0	12.5	0.28	2.08	1.40	53	0.15	0.050
SCP095553	Soil	2.13	58.32	21.55	138.9	489	11.1	7.9	297	3.32	29.3	0.4	5.8	1.6	11.8	0.43	1.79	1.39	57	0.15	0.055
SCP095554	Soil	1.82	35.18	9.47	102.6	429	9.1	5.1	366	2.52	18.9	0.4	8.5	0.8	18.7	0.19	1.11	1.39	55	0.31	0.025
SCP095555	Soil	2.29	45.73	13.32	100.9	323	9.3	6.3	456	2.97	26.0	0.4	19.9	1.0	18.2	0.17	1.32	1.55	59	0.31	0.033
SCP095556	Soil	2.60	103.2	20.13	54.0	4107	16.1	7.4	298	3.04	13.1	1.1	14.8	0.2	24.2	0.17	0.72	1.74	52	0.38	0.038
SCP095557	Soil	3.16	62.27	22.82	150.0	706	15.6	29.6	1395	3.55	29.4	0.6	7.4	0.7	29.2	0.33	1.37	2.31	67	0.44	0.046
SCP095558	Soil	2.75	61.56	11.59	136.5	448	11.6	15.0	1073	2.83	17.8	0.8	3.1	0.7	31.8	0.20	0.93	1.17	50	0.45	0.041
SCP095559	Soil	3.06	36.97	17.68	123.0	465	9.8	6.7	345	3.67	36.4	0.3	5.4	1.2	12.4	0.21	1.59	1.49	66	0.13	0.034
SCP095560	Soil	137.1	267.5	2.60	210.7	932	43.9	97.1	9894	5.18	37.6	8.3	11.8	1.2	42.9	2.13	1.02	0.33	9	0.64	0.160
SCP095561	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095562	Soil	2.58	78.03	26.24	84.0	1361	56.1	10.7	779	5.05	22.0	1.8	6.6	0.8	52.1	0.08	1.34	3.15	98	0.70	0.081
SCP095563	Soil	2.63	45.31	17.54	55.0	264	14.0	9.8	676	4.43	21.4	0.7	7.7	1.2	27.5	0.05	1.49	1.89	68	0.28	0.036
SCP095564	Soil	2.50	112.9	18.93	40.8	710	8.5	3.3	142	2.20	25.0	2.7	4.2	<0.1	29.4	0.11	0.54	1.44	36	0.38	0.106
SCP095565	Soil	2.93	150.1	20.11	38.5	880	8.2	3.7	106	2.04	13.8	4.1	10.0	<0.1	24.0	0.11	0.35	1.56	25	0.29	0.137
SCP095566	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095567	Soil	8.20	67.33	19.20	64.4	366	9.9	4.7	224	3.16	19.8	0.3	7.7	1.4	20.7	0.09	1.65	1.11	62	0.08	0.057
SCP095568	Soil	5.34	76.68	15.93	73.5	197	8.6	5.4	281	3.13	21.6	0.5	9.5	1.0	20.5	0.17	1.39	1.11	58	0.12	0.037
SCP095569	Soil	3.07	42.79	21.29	107.0	800	10.4	9.7	828	3.83	17.9	0.3	6.2	0.7	15.1	0.28	1.21	1.44	69	0.12	0.099
SCP095570	Soil	2.35	38.32	18.21	67.3	872	6.2	4.3	183	2.72	15.2	0.3	15.7	0.5	17.7	0.34	1.02	1.20	58	0.11	0.039
SCP095571	Soil	2.52	41.42	33.55	77.2	1127	14.0	5.2	246	4.75	24.1	0.3	4.3	0.7	28.4	0.21	1.66	1.71	76	0.13	0.096
SCP095601	Soil	2.91	74.70	21.19	77.3	666	23.0	6.1	255	3.58	26.1	0.8	7.3	1.3	11.6	0.22	1.45	1.28	57	0.12	0.123
SCP095602	Soil	2.64	69.51	20.66	70.7	754	22.8	5.4	226	3.34	23.2	0.8	9.7	1.1	10.4	0.25	1.24	1.14	56	0.11	0.119
SCP095603	Soil	1.41	16.83	19.52	65.6	514	24.2	4.5	223	4.33	15.2	0.3	5.3	1.2	9.5	0.21	0.78	1.43	89	0.10	0.072
SCP095604	Soil	1.85	29.52	18.87	72.1	735	18.6	7.7	206	4.31	19.6	0.4	5.8	1.3	9.3	0.11	1.04	1.20	64	0.07	0.061
SCP095605	Soil	2.26	27.24	23.08	60.9	1768	17.3	3.6	182	5.08	23.1	0.3	11.3	1.6	19.2	0.05	1.14	2.37	72	0.05	0.154
SCP095606	Rock Pulp	140.9	3608	39.40	120.9	3601	27.3	20.5	520	4.76	80.2	0.6	900.7	1.8	26.0	0.71	5.61	0.58	92	0.39	0.087
SCP095607	Soil	2.18	18.75	21.84	46.3	1032	13.8	2.7	204	5.87	28.3	0.3	9.5	1.4	27.0	0.06	1.26	3.91	79	0.05	0.132
SCP095608	Soil	1.52	15.34	14.04	77.4	819	13.7	5.5	202	3.05	12.8	0.3	5.3	1.2	9.5	0.15	0.54	1.18	58	0.10	0.067
SCP095609	Soil	1.49	18.76	13.36	77.9	496	13.8	6.6	232	3.31	14.2	0.3	5.4	1.1	10.9	0.20	0.61	0.93	61	0.11	0.079

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Project: Poplar Regional
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS SMI11000232.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SCP095551	Soil	5.4	9.1	0.03	8.5	0.009	<1	1.94	0.013	0.02	0.2	1.3	0.13	0.63	77	1.6	0.18	0.6	0.79	<0.1	0.04
SCP095552	Soil	8.5	19.7	0.39	111.0	0.035	<1	2.22	0.012	0.06	0.4	4.1	0.18	0.02	53	0.3	0.29	5.8	2.96	<0.1	0.05
SCP095553	Soil	5.9	18.4	0.39	105.5	0.024	<1	2.00	0.010	0.06	0.3	3.2	0.14	<0.02	16	0.3	0.36	5.3	2.42	<0.1	0.04
SCP095554	Soil	7.0	20.3	0.41	70.6	0.037	<1	1.43	0.012	0.05	0.3	3.3	0.16	<0.02	11	0.2	0.22	6.0	2.36	<0.1	<0.02
SCP095555	Soil	7.4	24.6	0.49	69.9	0.032	<1	1.57	0.012	0.05	0.3	3.4	0.14	<0.02	9	0.2	0.33	5.3	2.38	<0.1	<0.02
SCP095556	Soil	8.7	27.3	0.64	73.8	0.032	<1	1.88	0.015	0.08	0.3	2.7	0.27	0.05	217	0.3	0.30	6.8	4.04	<0.1	<0.02
SCP095557	Soil	8.5	24.8	0.59	108.5	0.028	<1	2.27	0.014	0.10	0.3	4.0	0.28	0.04	26	0.6	0.45	7.6	3.03	<0.1	<0.02
SCP095558	Soil	10.0	19.7	0.41	77.6	0.030	<1	1.89	0.013	0.06	0.2	3.5	0.21	0.02	26	0.4	0.35	5.4	2.85	<0.1	<0.02
SCP095559	Soil	6.1	20.3	0.39	70.9	0.038	<1	1.66	0.010	0.06	0.3	3.2	0.16	<0.02	24	0.2	0.37	6.7	2.62	<0.1	<0.02
SCP095560	Soil	30.9	21.1	0.10	102.0	0.013	1	8.12	0.012	0.02	<0.1	21.7	0.14	0.28	186	1.7	0.29	1.4	1.18	<0.1	0.30
SCP095561	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095562	Soil	9.4	111.3	2.01	128.9	0.072	<1	3.16	0.040	0.12	1.2	7.0	0.45	0.08	51	0.8	0.96	9.9	5.04	<0.1	0.02
SCP095563	Soil	7.3	33.3	0.75	68.7	0.040	<1	1.85	0.014	0.08	0.8	4.0	0.23	0.05	<5	0.5	0.69	6.3	3.11	<0.1	<0.02
SCP095564	Soil	7.8	21.1	0.32	101.5	0.013	1	2.13	0.024	0.06	0.5	1.6	0.23	0.37	94	1.3	0.21	4.2	2.85	<0.1	<0.02
SCP095565	Soil	9.6	21.0	0.25	95.4	0.004	<1	2.44	0.016	0.06	0.3	0.7	0.21	0.27	150	1.5	0.17	4.0	2.54	<0.1	<0.02
SCP095566	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095567	Soil	6.7	20.2	0.57	119.3	0.034	<1	1.53	0.013	0.10	0.6	3.4	0.19	0.07	15	0.4	0.36	5.2	2.14	<0.1	0.02
SCP095568	Soil	8.1	19.3	0.48	84.6	0.027	<1	1.46	0.012	0.08	0.6	3.5	0.16	0.03	14	0.3	0.28	5.0	2.29	<0.1	<0.02
SCP095569	Soil	5.8	23.7	0.39	111.6	0.026	<1	1.60	0.011	0.09	0.7	2.9	0.21	0.03	32	0.4	0.43	7.2	2.72	<0.1	<0.02
SCP095570	Soil	6.3	15.2	0.27	92.9	0.027	<1	1.21	0.016	0.06	0.5	2.3	0.13	0.05	12	<0.1	0.31	5.4	2.47	<0.1	<0.02
SCP095571	Soil	6.4	29.5	0.56	183.7	0.031	<1	2.18	0.015	0.12	1.2	3.5	0.20	0.13	24	0.5	0.57	8.1	3.81	<0.1	<0.02
SCP095601	Soil	8.7	35.1	0.58	62.9	0.039	1	3.83	0.014	0.07	0.9	5.0	0.23	0.08	118	0.8	0.52	6.2	2.95	<0.1	0.06
SCP095602	Soil	8.2	33.2	0.61	60.2	0.037	1	3.68	0.014	0.08	0.7	4.9	0.22	0.07	114	0.7	0.46	5.9	2.64	<0.1	0.06
SCP095603	Soil	5.3	37.0	0.76	105.4	0.056	1	1.93	0.010	0.10	0.6	3.2	0.28	0.04	33	0.1	0.37	9.8	3.07	<0.1	0.03
SCP095604	Soil	5.2	28.4	0.39	99.6	0.029	<1	3.12	0.010	0.05	0.6	2.6	0.15	0.04	88	0.3	0.48	7.2	3.25	<0.1	0.05
SCP095605	Soil	8.7	39.3	0.46	162.7	0.026	<1	3.13	0.011	0.08	0.6	2.6	0.28	0.08	125	0.6	1.00	9.1	5.14	<0.1	0.09
SCP095606	Rock Pulp	9.0	36.4	0.69	43.5	0.061	3	1.17	0.023	0.71	13.0	5.6	0.56	2.49	147	7.0	1.09	4.5	3.18	<0.1	0.06
SCP095607	Soil	8.6	37.3	0.47	174.7	0.020	<1	2.61	0.011	0.08	1.2	2.2	0.24	0.10	90	0.3	1.36	10.5	4.72	<0.1	0.06
SCP095608	Soil	6.1	27.3	0.38	87.3	0.043	<1	2.21	0.009	0.05	0.5	2.6	0.15	0.02	39	0.1	0.21	8.6	2.93	<0.1	0.06
SCP095609	Soil	5.6	23.9	0.37	68.0	0.035	<1	2.11	0.009	0.05	0.4	2.3	0.13	0.02	59	0.2	0.30	7.6	2.35	<0.1	0.03

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Project: Poplar Regional
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS SMI11000232.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SCP095551	Soil	0.33	2.4	0.1	<0.05	1.7	38.08	16.3	<0.02	25	0.3	0.4	<10	<2
SCP095552	Soil	0.59	11.9	0.4	<0.05	2.8	6.56	20.1	0.07	1	0.5	9.2	<10	<2
SCP095553	Soil	0.37	13.1	0.3	<0.05	1.9	2.94	11.7	0.07	<1	0.4	9.0	<10	<2
SCP095554	Soil	0.37	12.1	0.4	<0.05	0.2	4.10	13.0	0.05	<1	0.3	10.7	<10	<2
SCP095555	Soil	0.35	12.1	0.3	<0.05	0.4	5.26	14.2	0.06	2	0.3	9.9	<10	<2
SCP095556	Soil	0.90	13.6	0.6	<0.05	0.2	6.75	15.8	0.06	1	0.3	6.3	<10	<2
SCP095557	Soil	0.45	19.3	0.4	<0.05	<0.1	6.69	18.1	0.10	2	0.5	15.8	<10	<2
SCP095558	Soil	0.57	16.7	0.4	<0.05	0.3	9.21	16.9	0.05	<1	0.6	12.7	<10	<2
SCP095559	Soil	0.48	14.9	0.4	<0.05	0.6	2.89	12.1	0.05	<1	0.3	11.1	<10	<2
SCP095560	Soil	1.09	3.3	<0.1	<0.05	10.2	88.18	34.8	<0.02	3	5.3	10.7	<10	3
SCP095561	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095562	Soil	0.63	20.9	0.5	<0.05	0.3	7.01	16.7	0.10	1	0.4	9.1	<10	<2
SCP095563	Soil	0.38	13.6	0.4	<0.05	0.6	2.97	13.8	0.05	1	0.2	7.7	<10	<2
SCP095564	Soil	0.40	7.9	0.2	<0.05	<0.1	9.12	16.0	0.04	12	0.4	7.2	<10	<2
SCP095565	Soil	0.65	7.7	0.3	<0.05	0.2	13.44	19.8	0.04	5	0.7	7.8	<10	<2
SCP095566	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095567	Soil	0.32	14.2	0.3	<0.05	1.0	1.96	12.3	0.05	<1	0.2	5.3	<10	<2
SCP095568	Soil	0.27	12.4	0.4	<0.05	0.2	4.49	16.0	0.04	1	0.2	6.7	<10	<2
SCP095569	Soil	0.77	16.0	0.5	<0.05	0.1	1.89	11.2	0.04	2	0.3	9.7	<10	<2
SCP095570	Soil	0.45	16.3	0.4	<0.05	0.3	3.05	12.4	0.03	<1	0.2	3.9	<10	<2
SCP095571	Soil	1.15	17.1	0.5	<0.05	0.3	2.52	11.6	0.07	2	0.4	9.5	<10	<2
SCP095601	Soil	1.26	9.6	0.3	<0.05	2.8	7.32	19.6	0.07	1	0.4	13.4	<10	<2
SCP095602	Soil	1.12	8.5	0.4	<0.05	2.3	6.79	18.7	0.06	2	0.4	12.8	<10	<2
SCP095603	Soil	1.43	12.6	0.7	<0.05	1.6	1.73	11.2	0.04	<1	0.2	8.3	<10	<2
SCP095604	Soil	1.95	8.2	0.5	<0.05	2.2	2.32	11.4	0.05	<1	0.4	11.5	<10	<2
SCP095605	Soil	1.66	10.9	0.6	<0.05	3.9	1.62	17.7	0.06	<1	0.4	9.9	<10	<2
SCP095606	Rock Pulp	0.07	34.5	1.7	<0.05	2.1	8.27	20.2	0.04	324	0.4	4.7	<10	<2
SCP095607	Soil	1.98	11.4	0.7	<0.05	2.7	1.43	17.5	0.06	<1	0.3	8.0	<10	<2
SCP095608	Soil	1.56	11.6	0.7	<0.05	2.4	2.96	13.4	0.04	<1	0.3	12.4	<10	<2
SCP095609	Soil	1.19	10.4	0.5	<0.05	1.5	2.62	12.7	0.03	<1	0.4	9.5	<10	<2

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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	0.01	0.001
SCP095610	Soil	0.24	3.44	3.92	13.3	75	2.7	0.6	56	0.14	3.8	1.4	2.5	<0.1	205.2	0.26	1.37	0.06	9	13.90	0.010
SCP095787	Soil	1.34	41.20	21.86	234.1	528	13.2	14.0	443	4.56	21.7	0.3	4.6	1.3	14.4	0.26	0.77	1.73	80	0.22	0.124
SCP095788	Soil	1.70	17.08	19.47	119.1	747	10.5	6.9	243	4.59	18.5	0.3	3.0	1.3	8.9	0.31	0.77	1.49	83	0.11	0.082
SCP095789	Soil	2.51	55.43	22.91	131.7	461	18.8	9.0	325	4.78	26.7	0.5	3.9	1.9	15.3	0.25	1.09	1.42	77	0.10	0.121
SCP095790	Soil	2.88	49.27	29.91	77.2	171	12.6	7.8	291	6.01	24.8	0.4	5.8	1.6	18.4	0.08	1.54	1.90	106	0.10	0.077
SCP095791	Soil	3.53	63.53	20.54	48.3	848	7.5	4.2	176	7.12	20.6	0.5	8.1	1.5	11.8	0.26	0.83	2.28	89	0.07	0.147
SCP095792	Soil	3.07	70.94	18.00	38.1	483	8.6	3.6	165	10.68	22.7	0.4	24.2	1.4	44.8	0.09	1.36	2.64	123	0.05	0.148
SCP095793	Soil	3.67	69.45	30.42	74.4	481	10.0	5.7	221	6.09	29.3	0.4	16.8	1.7	28.2	0.10	3.48	1.95	94	0.07	0.119
SCP095794	Rock Pulp	147.1	3606	39.11	120.5	3701	26.8	20.1	516	4.72	81.3	0.5	861.3	1.8	26.0	0.68	5.58	0.55	94	0.37	0.083
SCP095795	Soil	3.93	88.72	19.85	54.3	786	14.0	4.9	234	4.87	27.4	0.7	14.9	1.6	19.5	0.06	1.92	1.41	65	0.07	0.143
SCP095796	Soil	3.46	43.02	22.16	51.0	1036	14.9	4.0	219	5.31	31.5	0.4	73.6	1.4	25.6	0.07	2.72	2.22	66	0.07	0.131
SCP095797	Soil	3.30	49.17	23.79	35.1	808	12.3	2.5	174	15.98	29.5	0.6	16.2	1.1	6.7	0.02	3.46	2.64	87	0.06	0.116
SCP095798	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095799	Soil	1.60	37.52	16.61	1591	376	63.0	15.4	1273	3.92	35.5	0.5	3.5	0.7	28.8	2.50	0.82	0.98	66	1.10	0.056
SCP095800	Soil	1.50	31.59	13.80	1272	287	50.3	13.9	904	3.46	32.9	0.4	2.6	0.7	24.9	1.71	0.88	0.84	65	0.87	0.042
SCP095970	Soil	3.25	51.48	16.52	100.1	522	16.2	6.4	258	3.59	17.6	0.5	6.4	0.6	27.9	0.22	1.01	1.34	67	0.24	0.045
SCP095971	Soil	5.20	55.41	24.21	153.0	526	18.0	6.0	358	5.48	34.5	0.5	13.0	0.6	36.2	0.40	2.00	1.92	97	0.25	0.072
SCP095972	Soil	5.25	45.30	28.70	105.0	377	15.8	7.6	354	4.29	24.4	0.3	4.3	1.0	33.9	0.25	1.23	1.40	69	0.16	0.111
SCP095973	Soil	1.87	49.64	30.03	141.0	1667	16.9	10.3	406	4.74	27.2	0.4	10.3	0.8	25.9	0.45	1.33	2.00	74	0.20	0.110
SCP095974	Soil	1.58	34.75	22.98	106.8	404	15.4	6.9	314	4.30	22.5	0.4	7.8	0.7	23.5	0.27	1.29	1.90	82	0.21	0.072
SCP095975	Soil	1.83	40.45	28.40	115.4	1072	15.0	7.2	303	4.77	27.6	0.3	7.1	1.2	25.9	0.29	1.32	2.45	80	0.14	0.117
SCP095976	Soil	1.54	45.62	28.40	148.6	1757	20.9	8.8	621	5.13	29.5	0.3	7.5	1.2	28.6	0.24	1.40	2.09	79	0.10	0.132
SCP095977	Soil	2.03	49.49	38.83	75.4	1869	17.8	6.3	257	5.29	31.6	0.3	10.7	1.3	14.1	0.16	2.80	2.05	85	0.11	0.064
SCP095978	Soil	0.39	68.98	2.49	5.7	1631	2.9	1.1	10	21.75	7.3	1.9	8.1	0.6	4.7	0.05	0.35	0.11	20	0.05	0.086
SCP095979	Soil	0.70	112.1	4.51	16.4	5724	7.9	3.1	28	0.46	1.1	4.4	15.0	0.4	8.0	0.08	0.28	0.24	4	0.14	0.298
SCP095980	Soil	2.69	20.35	13.29	28.8	824	4.6	1.6	126	11.32	210.6	0.2	8.8	0.9	16.8	0.06	6.07	0.91	84	0.07	0.354
SCP095981	Soil	3.00	68.23	15.83	47.7	601	16.6	11.3	349	23.26	30.5	0.6	5.4	1.4	12.3	0.11	2.04	0.92	66	0.20	0.153
SCP095982	Soil	3.54	98.26	25.71	68.4	904	16.9	5.8	339	7.54	33.9	1.4	13.2	2.2	16.5	0.10	1.90	1.60	86	0.08	0.174
SCP095983	Soil	1.65	20.25	20.85	88.9	1423	11.3	5.8	295	3.55	19.0	0.3	5.1	1.4	8.3	0.14	0.79	1.27	61	0.08	0.105
SCP095984	Soil	2.33	52.60	23.56	115.2	1429	20.3	11.6	342	4.49	33.8	0.5	20.0	1.9	11.8	0.22	1.30	1.77	69	0.08	0.121

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880-609 Granville St. PO Box 10321, Pacific Centre
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Project: Poplar Regional
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS SMI11000232.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SCP095610	Soil	0.6	3.8	7.01	18.3	0.002	4	0.08	0.186	0.03	0.2	0.4	<0.02	0.38	<5	0.3	<0.02	0.3	0.08	<0.1	<0.02
SCP095787	Soil	5.3	22.9	0.39	129.2	0.037	1	2.79	0.009	0.12	0.7	3.1	0.22	<0.02	43	<0.1	0.59	9.3	4.95	<0.1	0.06
SCP095788	Soil	5.7	22.8	0.36	84.1	0.036	<1	2.18	0.008	0.07	0.6	2.2	0.19	0.03	36	0.1	0.67	9.6	5.49	<0.1	0.03
SCP095789	Soil	6.8	29.4	0.58	105.6	0.030	<1	3.66	0.010	0.09	1.4	3.6	0.22	0.04	93	0.3	0.68	8.1	5.98	<0.1	0.11
SCP095790	Soil	6.7	29.9	0.57	150.6	0.054	<1	3.14	0.011	0.11	0.9	3.7	0.28	0.05	70	0.3	0.89	11.3	7.71	<0.1	0.11
SCP095791	Soil	4.7	20.1	0.29	86.4	0.042	<1	4.26	0.009	0.05	1.1	3.1	0.11	0.06	129	0.8	1.06	13.0	4.03	<0.1	0.13
SCP095792	Soil	3.9	22.3	0.57	96.8	0.080	<1	3.56	0.016	0.08	13.7	3.5	0.20	0.14	51	1.6	1.26	10.2	3.88	<0.1	0.09
SCP095793	Soil	6.8	26.5	0.53	174.2	0.032	<1	3.84	0.022	0.11	2.0	3.7	0.24	0.14	92	0.7	0.79	9.1	5.38	<0.1	0.10
SCP095794	Rock Pulp	8.9	34.7	0.68	45.2	0.059	2	1.24	0.023	0.73	12.4	5.5	0.56	2.48	145	7.1	1.18	4.6	3.24	0.1	0.07
SCP095795	Soil	8.1	30.8	0.55	120.8	0.047	<1	2.77	0.011	0.07	1.4	3.5	0.23	0.17	56	0.6	0.69	6.3	2.78	<0.1	0.10
SCP095796	Soil	6.6	32.4	0.57	192.5	0.042	1	2.59	0.018	0.09	2.7	2.7	0.24	0.14	88	1.0	1.25	6.1	2.71	<0.1	0.07
SCP095797	Soil	4.6	35.0	0.50	25.2	0.044	<1	2.00	0.005	0.05	2.6	2.5	0.16	0.06	57	1.0	1.35	7.1	3.54	<0.1	0.02
SCP095798	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095799	Soil	6.1	39.6	0.70	141.3	0.030	<1	3.11	0.013	0.08	0.3	3.4	0.15	0.04	34	0.2	0.27	7.7	4.47	<0.1	0.02
SCP095800	Soil	5.8	38.7	0.75	113.8	0.046	2	2.70	0.015	0.07	0.3	3.4	0.14	0.03	23	0.3	0.28	7.0	4.23	<0.1	<0.02
SCP095970	Soil	6.2	29.5	0.64	144.5	0.037	<1	2.14	0.013	0.09	0.8	3.0	0.18	0.05	28	0.4	0.52	7.0	3.02	<0.1	<0.02
SCP095971	Soil	6.3	33.3	0.74	167.8	0.051	<1	2.13	0.018	0.11	1.4	3.4	0.21	0.11	32	0.8	1.09	8.1	2.95	<0.1	<0.02
SCP095972	Soil	6.9	26.7	0.55	230.0	0.042	<1	1.96	0.015	0.13	0.9	3.0	0.19	0.13	38	0.5	0.54	6.9	3.08	<0.1	<0.02
SCP095973	Soil	7.2	26.8	0.58	180.5	0.027	<1	2.71	0.014	0.13	1.2	3.7	0.21	0.07	68	0.4	0.80	8.5	4.52	<0.1	<0.02
SCP095974	Soil	6.5	28.2	0.62	112.4	0.041	<1	1.99	0.012	0.10	1.1	3.5	0.18	0.04	28	0.2	0.74	7.9	3.45	<0.1	<0.02
SCP095975	Soil	6.4	29.0	0.57	212.0	0.035	1	2.62	0.014	0.15	2.3	3.5	0.25	0.12	85	0.5	0.89	8.0	4.09	<0.1	0.05
SCP095976	Soil	6.4	31.3	0.65	237.8	0.032	<1	3.38	0.018	0.17	2.3	3.7	0.28	0.18	86	0.6	1.00	8.3	4.56	<0.1	0.07
SCP095977	Soil	5.6	32.1	0.54	121.6	0.046	1	3.06	0.010	0.20	1.6	3.7	0.27	0.06	149	0.4	0.93	8.4	3.63	<0.1	0.09
SCP095978	Soil	8.8	12.2	0.01	13.1	0.004	<1	1.49	0.004	0.01	0.2	3.4	0.04	0.50	152	3.2	0.31	0.3	0.38	<0.1	0.07
SCP095979	Soil	16.8	11.6	0.05	23.8	0.004	2	2.42	0.009	0.04	0.2	1.6	0.06	0.27	294	2.3	0.11	1.3	0.62	<0.1	0.10
SCP095980	Soil	4.0	19.7	0.15	116.7	0.054	<1	1.13	0.009	0.08	0.7	1.2	0.85	0.09	47	0.5	0.57	7.3	2.12	<0.1	0.04
SCP095981	Soil	4.6	34.1	0.24	45.2	0.036	<1	2.44	0.005	0.04	0.5	2.4	0.17	0.07	35	1.2	0.67	7.0	3.31	<0.1	0.04
SCP095982	Soil	8.9	65.5	0.69	162.9	0.081	<1	2.38	0.009	0.12	0.6	5.5	0.25	0.09	72	0.9	1.01	10.1	5.37	<0.1	0.06
SCP095983	Soil	5.8	26.2	0.32	59.3	0.030	<1	2.75	0.007	0.06	0.4	2.5	0.16	0.02	101	0.4	0.25	7.7	3.06	<0.1	0.07
SCP095984	Soil	6.7	34.3	0.62	110.4	0.044	3	2.85	0.012	0.07	0.7	4.1	0.18	0.03	129	0.4	0.55	7.4	3.72	<0.1	0.10

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Project: Poplar Regional
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS SMI11000232.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SCP095610	Soil	0.07	0.5	<0.1	<0.05	0.4	0.86	1.2	<0.02	3	<0.1	0.7	<10	<2
SCP095787	Soil	1.23	23.2	0.6	<0.05	2.4	2.15	11.8	0.08	<1	0.5	11.5	<10	<2
SCP095788	Soil	1.45	17.6	0.6	<0.05	1.8	1.80	12.4	0.04	<1	0.3	12.1	<10	<2
SCP095789	Soil	0.93	14.6	0.5	<0.05	3.7	2.92	14.9	0.07	1	0.5	12.4	<10	<2
SCP095790	Soil	1.07	15.9	0.6	<0.05	4.2	3.06	14.0	0.08	<1	0.3	10.3	<10	<2
SCP095791	Soil	1.78	5.9	0.5	<0.05	4.1	2.91	10.3	0.08	1	0.5	7.2	<10	<2
SCP095792	Soil	0.94	7.8	0.8	<0.05	3.7	3.49	8.7	0.11	<1	0.4	5.4	<10	<2
SCP095793	Soil	1.30	13.3	0.6	<0.05	4.1	1.97	14.0	0.09	<1	0.4	10.3	<10	<2
SCP095794	Rock Pulp	0.08	35.0	1.7	<0.05	2.3	8.25	20.2	0.04	311	0.4	4.5	<10	<2
SCP095795	Soil	1.11	9.0	0.4	<0.05	4.6	8.08	20.1	0.05	<1	0.5	16.5	<10	<2
SCP095796	Soil	0.71	10.9	0.3	<0.05	3.2	1.64	13.2	0.07	<1	0.3	7.5	<10	<2
SCP095797	Soil	1.21	7.3	0.5	<0.05	2.1	3.60	11.0	0.05	<1	0.1	2.6	<10	<2
SCP095798	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095799	Soil	1.17	14.9	0.4	<0.05	0.8	5.27	17.8	0.09	1	0.8	17.7	13	<2
SCP095800	Soil	0.99	13.3	0.4	<0.05	0.6	4.70	16.7	0.07	<1	0.5	16.7	17	<2
SCP095970	Soil	0.76	13.4	0.5	<0.05	0.6	4.15	13.9	0.04	<1	0.4	9.2	<10	<2
SCP095971	Soil	0.71	14.9	0.5	<0.05	0.5	4.29	16.0	0.06	<1	0.6	11.7	<10	<2
SCP095972	Soil	0.61	13.8	0.4	<0.05	0.5	2.33	14.4	0.05	<1	0.3	10.0	<10	<2
SCP095973	Soil	1.22	19.1	0.6	<0.05	0.2	4.77	16.4	0.07	<1	0.4	11.9	<10	<2
SCP095974	Soil	0.54	18.1	0.4	<0.05	0.5	3.68	14.6	0.04	1	0.3	12.0	<10	<2
SCP095975	Soil	0.84	20.4	0.5	<0.05	2.0	2.18	13.6	0.07	<1	0.4	9.3	<10	<2
SCP095976	Soil	1.05	19.7	0.5	<0.05	2.6	2.14	13.3	0.07	<1	0.4	10.5	<10	<2
SCP095977	Soil	1.01	18.5	0.4	<0.05	3.2	2.62	12.0	0.08	<1	0.3	12.2	<10	<2
SCP095978	Soil	0.23	1.4	<0.1	<0.05	2.5	14.40	25.3	<0.02	<1	<0.1	0.1	<10	<2
SCP095979	Soil	0.24	3.0	<0.1	<0.05	2.4	31.92	50.1	0.05	<1	0.3	0.5	<10	<2
SCP095980	Soil	0.98	7.7	0.4	<0.05	2.0	0.68	7.9	0.04	<1	0.2	1.9	<10	<2
SCP095981	Soil	1.08	6.8	0.3	<0.05	2.9	5.56	11.3	0.07	<1	0.5	4.2	<10	<2
SCP095982	Soil	0.83	10.5	0.5	<0.05	2.8	3.42	19.8	0.21	<1	0.2	4.9	<10	<2
SCP095983	Soil	1.77	11.1	0.6	<0.05	3.0	2.06	13.1	0.04	<1	0.3	11.3	<10	<2
SCP095984	Soil	1.00	12.8	0.5	<0.05	4.0	3.20	14.4	0.06	<1	0.5	12.3	<10	<2

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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	0.01	0.001
SCP095985	Soil	2.33	46.19	27.66	142.0	860	18.6	10.3	301	4.88	29.5	0.4	8.7	1.9	10.9	0.33	1.09	1.78	72	0.09	0.143
SCP095821	Soil	2.55	78.59	28.19	97.8	871	24.1	11.1	317	4.97	33.3	0.5	12.1	2.3	18.3	0.15	1.32	1.91	73	0.10	0.100
SCP095822	Soil	3.48	45.32	19.27	43.8	1242	8.8	3.5	123	3.87	22.0	0.4	9.4	1.5	6.8	0.08	0.67	1.26	69	0.06	0.147
SCP095823	Soil	2.54	88.51	26.31	134.6	1005	28.7	12.5	344	4.70	32.6	0.6	9.9	2.1	15.6	0.20	1.14	1.59	71	0.10	0.118
SCP095824	Soil	1.96	30.22	19.90	56.6	1106	11.4	5.1	164	3.51	18.3	0.3	3.7	1.3	9.8	0.12	0.84	1.22	67	0.08	0.084
SCP095572	Soil	147.1	3753	45.15	119.4	4070	26.8	20.1	506	5.28	78.8	0.6	1150	1.9	26.6	0.85	5.79	0.63	93	0.38	0.090
SCP095573	Soil	1.15	33.87	10.61	131.8	218	24.4	7.7	297	2.66	13.2	0.4	3.1	0.7	16.2	0.21	0.52	0.65	53	0.22	0.028
SCP095574	Soil	1.41	84.20	13.84	169.6	407	31.7	9.3	488	3.43	13.9	0.5	29.4	1.2	24.8	0.29	0.57	1.01	65	0.29	0.039
SCP095575	Soil	1.91	137.8	21.28	163.2	459	34.3	12.0	949	3.72	16.2	1.4	2.9	0.6	45.9	0.37	0.56	1.61	63	0.55	0.061
SCP095576	Soil	2.00	74.58	17.32	139.1	331	29.6	13.0	375	3.55	22.3	0.5	7.5	1.7	13.2	0.20	0.96	1.63	62	0.10	0.073
SCP095577	Soil	0.25	3.77	4.52	14.5	65	1.9	0.1	75	<0.01	3.1	1.9	27.2	<0.1	256.9	0.47	1.96	0.06	10	19.54	0.011
SCP095578	Soil	2.65	54.71	39.62	129.1	660	21.3	9.2	347	6.71	36.8	0.4	11.8	1.7	25.6	0.20	2.14	2.40	84	0.11	0.083
SCP095579	Soil	4.02	87.06	43.95	106.9	1830	19.5	7.5	292	5.70	41.8	0.4	15.4	1.1	34.0	0.20	2.90	2.43	65	0.16	0.142
SCP095986	Soil	2.43	45.33	21.40	125.6	496	19.4	11.5	339	4.34	32.9	0.3	8.9	1.6	11.0	0.22	1.26	1.19	61	0.09	0.166
SCP095987	Soil	2.55	58.70	24.86	105.0	545	22.9	8.2	353	4.93	36.2	0.4	4.5	1.9	14.9	0.14	1.37	1.87	70	0.09	0.130
SCP095988	Soil	2.35	78.95	25.71	101.6	528	30.2	11.3	312	5.16	32.6	0.5	6.3	2.4	18.0	0.11	1.26	2.18	75	0.08	0.146
SCP095989	Soil	2.24	48.06	41.00	68.2	1013	32.6	4.8	245	5.37	34.7	0.5	16.9	2.0	61.0	0.07	1.73	5.32	67	0.08	0.198
SCP095990	Soil	1.52	30.15	18.26	59.2	880	14.6	5.3	179	3.22	18.0	0.3	16.0	1.3	14.2	0.10	0.74	1.45	60	0.08	0.104
SCP095991	Soil	2.24	66.93	24.72	101.8	588	21.4	9.9	294	4.35	28.1	0.4	5.4	1.7	13.1	0.10	1.07	1.80	64	0.08	0.140
SCP095992	Soil	1.88	49.09	19.53	96.8	839	20.8	8.5	268	4.37	25.7	0.4	9.0	1.7	14.6	0.10	0.98	1.63	65	0.08	0.158
SCP095993	Soil	2.89	70.88	20.44	48.3	2924	16.0	4.5	137	16.09	82.8	0.5	15.8	1.8	23.4	0.06	1.41	1.79	88	0.03	0.286
SCP095994	Soil	2.77	90.88	33.78	31.3	1459	10.3	3.5	148	22.82	44.9	0.6	9.3	2.1	56.9	0.05	1.73	1.89	108	0.03	0.480
SCP095995	Soil	1.95	43.68	18.30	88.4	195	19.8	9.4	366	3.98	21.7	0.4	18.5	1.3	19.8	0.09	1.04	1.48	67	0.15	0.064
SCP095996	Soil	2.15	32.61	21.29	50.6	751	14.0	5.4	189	4.14	19.7	0.4	13.8	1.1	16.3	0.07	1.04	1.73	75	0.13	0.075
SCP095997	Soil	2.16	70.99	21.02	69.9	737	21.1	7.7	279	4.10	22.1	0.4	7.9	1.4	13.9	0.14	1.07	2.19	74	0.11	0.087
SCP095998	Soil	2.57	85.86	47.43	134.3	386	47.8	11.4	481	5.02	69.3	0.5	22.5	1.9	30.3	0.11	1.90	3.34	72	0.15	0.068
SCP095999	Soil	2.53	84.27	24.01	63.6	1175	21.0	6.9	287	5.12	20.0	1.0	8.5	2.0	16.3	0.16	1.24	1.55	73	0.10	0.095
SCP095600	Soil	2.11	48.41	20.59	131.4	342	20.2	9.4	365	3.78	23.5	0.3	7.2	0.6	19.8	0.27	1.04	1.48	65	0.30	0.046
SCP095694	Soil	2.82	46.01	28.30	138.0	595	16.7	7.7	303	5.20	32.4	0.4	6.2	1.5	21.4	0.22	1.74	1.90	76	0.10	0.092
SCP095695	Soil	3.48	24.59	29.61	47.8	697	6.6	2.3	130	7.88	28.1	0.2	6.5	1.0	10.2	0.15	1.98	4.21	109	0.05	0.096

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880-609 Granville St. PO Box 10321, Pacific Centre
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS SMI11000232.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SCP095985	Soil	6.1	35.5	0.51	116.2	0.035	2	3.19	0.010	0.08	0.8	4.0	0.21	0.04	87	0.3	0.64	8.2	4.69	<0.1	0.09
SCP095821	Soil	8.1	36.6	0.56	133.7	0.033	2	3.47	0.014	0.08	0.5	4.5	0.24	0.05	99	0.5	0.65	9.5	4.98	<0.1	0.13
SCP095822	Soil	6.7	26.1	0.24	48.2	0.033	2	2.27	0.009	0.04	0.4	2.8	0.17	0.03	71	0.3	0.40	9.0	3.77	<0.1	0.06
SCP095823	Soil	8.7	36.1	0.59	162.1	0.031	2	3.49	0.014	0.08	0.5	4.8	0.28	0.04	59	0.4	0.62	8.4	4.40	<0.1	0.12
SCP095824	Soil	7.1	25.3	0.26	62.7	0.042	1	1.76	0.009	0.04	0.4	2.4	0.17	0.02	50	0.3	0.32	8.0	2.50	<0.1	0.04
SCP095572	Soil	9.3	36.6	0.71	38.0	0.065	4	1.06	0.027	0.66	12.5	6.8	0.57	2.70	132	7.2	1.18	4.4	3.06	0.2	0.05
SCP095573	Soil	6.9	31.5	0.68	86.1	0.058	2	1.63	0.013	0.05	0.5	2.9	0.10	<0.02	17	0.3	0.11	5.6	2.47	<0.1	<0.02
SCP095574	Soil	9.2	36.7	0.82	113.7	0.048	2	2.40	0.014	0.07	0.4	4.3	0.17	<0.02	34	0.3	0.23	7.5	3.79	<0.1	<0.02
SCP095575	Soil	20.7	41.2	0.77	205.0	0.014	1	3.29	0.015	0.10	0.3	3.8	0.20	0.04	43	0.7	0.38	8.7	4.54	<0.1	<0.02
SCP095576	Soil	6.8	35.2	0.59	99.6	0.056	2	2.61	0.012	0.06	0.8	4.0	0.16	0.02	52	0.2	0.54	6.5	3.44	<0.1	0.05
SCP095577	Soil	0.9	4.3	9.61	18.6	0.002	7	0.08	0.220	0.03	0.2	0.5	0.04	0.59	<5	1.6	0.06	0.2	0.06	0.3	<0.02
SCP095578	Soil	7.4	41.1	0.75	196.6	0.037	1	2.93	0.015	0.23	1.3	5.6	0.21	0.11	52	0.5	1.00	9.5	3.92	<0.1	0.09
SCP095579	Soil	6.5	32.9	0.62	251.6	0.043	2	2.43	0.021	0.19	1.4	4.2	0.24	0.25	83	1.1	1.08	6.5	3.63	<0.1	<0.02
SCP095986	Soil	5.2	32.5	0.43	89.0	0.038	2	3.07	0.009	0.05	0.7	3.7	0.14	0.04	58	0.4	0.48	6.2	3.00	<0.1	0.08
SCP095987	Soil	6.4	39.0	0.61	102.6	0.032	2	3.62	0.010	0.09	0.8	4.1	0.19	0.04	71	0.6	0.72	8.1	5.93	<0.1	0.12
SCP095988	Soil	8.8	47.0	0.69	163.4	0.040	2	4.23	0.012	0.09	0.9	5.1	0.27	0.05	51	0.5	0.79	9.3	7.32	<0.1	0.18
SCP095989	Soil	10.3	62.9	0.74	207.6	0.024	1	3.46	0.020	0.14	2.8	4.0	0.33	0.19	76	0.9	1.53	8.3	4.82	<0.1	0.10
SCP095990	Soil	6.4	31.1	0.43	80.6	0.049	1	2.42	0.009	0.05	0.6	3.7	0.17	0.03	79	0.4	0.45	8.1	4.31	<0.1	0.04
SCP095991	Soil	6.7	34.0	0.54	127.4	0.034	2	3.06	0.009	0.07	0.7	4.0	0.19	0.03	43	0.4	0.64	7.7	4.15	<0.1	0.08
SCP095992	Soil	6.2	34.3	0.50	87.6	0.031	<1	3.06	0.010	0.06	0.6	3.5	0.22	0.03	53	0.5	0.60	7.7	5.07	<0.1	0.07
SCP095993	Soil	5.8	46.7	0.26	148.8	0.058	<1	2.32	0.011	0.07	0.7	2.8	0.24	0.12	115	3.3	1.95	14.8	7.04	0.1	0.11
SCP095994	Soil	7.9	51.9	0.32	497.8	0.132	<1	1.37	0.047	0.19	0.8	3.1	0.27	0.47	70	2.1	2.61	14.6	4.47	0.2	0.11
SCP095995	Soil	7.0	32.9	0.65	112.7	0.050	1	2.15	0.013	0.07	0.5	4.0	0.17	0.03	<5	0.5	0.57	7.1	3.68	<0.1	<0.02
SCP095996	Soil	6.9	27.1	0.37	97.2	0.038	<1	1.89	0.009	0.06	0.4	3.0	0.20	0.02	67	0.3	0.61	9.1	5.43	<0.1	0.03
SCP095997	Soil	7.9	34.1	0.55	114.9	0.039	<1	2.29	0.011	0.07	0.7	3.9	0.24	0.03	78	0.3	0.75	8.2	5.04	<0.1	0.06
SCP095998	Soil	7.7	56.2	1.21	140.9	0.066	1	3.33	0.014	0.09	0.6	4.5	0.32	0.03	26	0.6	1.25	8.8	5.08	<0.1	0.06
SCP095999	Soil	8.5	40.8	0.62	91.2	0.058	<1	2.71	0.011	0.09	0.4	5.7	0.25	0.06	75	0.8	0.54	8.8	8.65	<0.1	0.05
SCP095600	Soil	6.1	31.4	0.47	84.1	0.025	<1	1.53	0.011	0.07	0.6	2.6	0.13	0.04	24	0.2	0.54	6.7	2.66	<0.1	<0.02
SCP095694	Soil	6.3	31.9	0.64	139.4	0.029	<1	2.74	0.013	0.09	1.1	4.7	0.21	0.07	51	0.5	0.69	8.2	5.01	<0.1	0.06
SCP095695	Soil	5.4	25.7	0.25	100.9	0.048	<1	1.42	0.009	0.06	1.4	2.4	0.20	0.03	34	0.2	0.92	10.3	5.66	<0.1	<0.02

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Project: Poplar Regional
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CERTIFICATE OF ANALYSIS SMI11000232.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SCP095985	Soil	1.72	17.8	0.6	<0.05	4.1	2.74	12.5	0.07	<1	0.5	15.9	<10	<2
SCP095821	Soil	1.45	11.9	0.6	<0.05	6.0	5.84	17.7	0.08	<1	0.5	16.4	<10	<2
SCP095822	Soil	1.80	9.9	0.7	<0.05	2.5	2.95	14.3	0.04	<1	0.3	12.4	<10	<2
SCP095823	Soil	1.43	16.5	0.6	<0.05	5.0	7.11	18.6	0.07	<1	0.8	19.2	<10	<2
SCP095824	Soil	1.62	9.8	0.7	<0.05	2.0	3.06	14.7	0.04	<1	0.3	8.2	<10	<2
SCP095572	Soil	0.06	37.7	1.9	<0.05	1.7	8.82	18.9	0.05	331	0.4	5.0	<10	3
SCP095573	Soil	0.57	10.4	0.3	<0.05	0.5	4.59	14.8	0.04	<1	0.3	13.2	<10	<2
SCP095574	Soil	0.82	16.2	0.5	<0.05	0.7	6.40	20.0	0.06	<1	0.7	19.9	<10	<2
SCP095575	Soil	0.82	28.0	0.5	<0.05	0.4	18.73	46.5	0.06	<1	1.5	18.3	<10	<2
SCP095576	Soil	0.83	13.1	0.5	<0.05	2.8	3.36	16.0	0.05	<1	0.5	13.0	<10	<2
SCP095577	Soil	0.09	0.3	0.4	0.07	<0.1	1.22	1.8	0.07	15	<0.1	1.4	<10	<2
SCP095578	Soil	0.71	23.4	0.5	<0.05	3.1	3.72	14.3	0.11	<1	0.4	16.5	<10	<2
SCP095579	Soil	0.76	17.9	0.4	<0.05	0.7	2.30	12.0	0.09	<1	0.4	9.3	<10	<2
SCP095986	Soil	1.49	11.7	0.4	<0.05	3.6	2.74	10.4	0.07	<1	0.5	13.1	<10	<2
SCP095987	Soil	1.31	16.7	0.5	<0.05	4.3	2.26	12.1	0.06	<1	0.5	16.7	<10	<2
SCP095988	Soil	1.34	15.5	0.6	<0.05	7.3	3.33	17.2	0.09	<1	0.6	16.0	<10	<2
SCP095989	Soil	1.25	16.3	0.5	<0.05	4.8	2.20	20.3	0.08	<1	0.5	12.7	<10	<2
SCP095990	Soil	1.64	12.8	0.6	<0.05	2.5	2.85	12.5	0.03	<1	0.3	9.7	<10	<2
SCP095991	Soil	1.06	14.0	0.5	<0.05	3.6	2.80	13.5	0.05	<1	0.4	12.6	<10	<2
SCP095992	Soil	1.36	13.4	0.5	<0.05	3.6	2.25	12.3	0.05	<1	0.4	13.7	<10	<2
SCP095993	Soil	1.72	11.8	0.9	<0.05	5.8	1.51	10.7	0.07	<1	0.4	8.8	<10	<2
SCP095994	Soil	1.52	11.9	0.7	<0.05	4.6	2.69	13.9	0.07	<1	0.4	2.4	<10	<2
SCP095995	Soil	0.73	14.9	0.4	<0.05	1.5	3.42	14.0	0.04	<1	0.3	13.1	<10	<2
SCP095996	Soil	1.23	12.2	0.6	<0.05	1.4	3.36	13.3	0.04	<1	0.3	8.0	<10	<2
SCP095997	Soil	0.79	12.8	0.6	<0.05	2.3	5.27	16.3	0.05	<1	0.4	10.4	<10	<2
SCP095998	Soil	0.64	12.3	0.6	<0.05	3.7	4.82	15.1	0.06	<1	0.6	18.5	<10	<2
SCP095999	Soil	0.89	12.1	0.5	<0.05	3.3	9.55	18.5	0.06	<1	0.4	10.0	<10	<2
SCP095600	Soil	0.69	18.9	0.4	<0.05	0.3	2.90	11.8	0.08	<1	0.2	12.4	<10	<2
SCP095694	Soil	1.47	15.4	0.5	<0.05	2.7	2.69	11.7	0.08	<1	0.5	15.4	<10	<2
SCP095695	Soil	1.14	16.8	0.8	<0.05	0.9	1.34	10.4	0.06	<1	0.2	4.2	<10	<2

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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	0.01	0.001
SCP095696	Soil	2.33	53.36	22.29	163.1	697	10.6	8.8	264	4.37	29.1	0.4	24.9	1.5	11.6	0.37	1.38	1.75	66	0.07	0.097
SCP095697	Soil	2.61	48.12	25.50	79.3	860	10.6	5.5	186	4.41	19.5	0.5	4.3	1.4	15.3	0.21	0.83	1.72	74	0.11	0.074
SCP095698	Soil	3.72	31.30	25.22	60.5	591	5.8	3.0	160	4.68	25.0	0.3	5.1	1.1	25.8	0.19	1.25	1.81	80	0.12	0.079
SCP095747	Soil	5.51	89.45	8.42	26.0	523	2.3	1.4	53	27.20	22.6	0.3	5.7	0.7	1.8	0.02	1.88	2.15	90	0.02	0.103
SCP095748	Soil	3.35	67.01	25.58	72.1	1121	20.1	7.3	386	3.68	15.3	0.5	22.7	0.7	27.7	0.13	1.21	1.55	64	0.19	0.088
SCP095749	Soil	2.02	33.17	22.04	41.9	501	12.7	5.9	312	2.40	12.0	0.4	7.6	0.6	23.2	0.10	0.94	1.62	57	0.18	0.028
SCP095750	Soil	4.69	72.83	23.50	81.5	366	17.1	9.2	366	4.27	23.9	0.4	9.3	0.9	29.3	0.14	1.41	1.57	77	0.30	0.092
SCP095738	Soil	131.1	3656	45.19	125.0	3596	25.7	19.6	492	4.77	81.2	0.6	903.3	1.9	28.4	0.89	5.83	0.65	91	0.37	0.093

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SCP095696	Soil	4.8	19.0	0.37	101.2	0.013	<1	2.81	0.007	0.07	0.9	3.1	0.17	0.03	76	0.3	0.73	6.9	3.04	<0.1	0.10
SCP095697	Soil	6.2	25.7	0.38	112.0	0.026	<1	2.08	0.013	0.08	0.9	3.6	0.20	0.05	43	0.3	0.47	8.8	4.38	<0.1	0.04
SCP095698	Soil	6.8	19.2	0.32	143.2	0.035	<1	1.57	0.012	0.09	0.8	2.8	0.17	0.07	12	0.2	0.62	9.4	3.40	<0.1	<0.02
SCP095747	Soil	2.6	16.5	0.06	10.6	0.106	<1	0.82	0.004	0.02	0.6	1.3	0.15	0.19	23	0.5	0.41	9.5	2.46	0.2	0.03
SCP095748	Soil	8.8	34.3	0.78	182.5	0.050	1	2.01	0.013	0.11	1.0	4.0	0.31	0.06	49	0.4	0.34	8.2	3.36	<0.1	<0.02
SCP095749	Soil	7.6	27.6	0.63	111.5	0.069	2	1.64	0.010	0.06	0.8	3.1	0.21	0.03	36	0.3	0.29	7.7	2.63	<0.1	<0.02
SCP095750	Soil	6.3	34.1	0.70	139.7	0.053	1	2.11	0.012	0.09	0.9	3.8	0.17	0.05	28	0.7	0.50	7.2	2.98	<0.1	<0.02
SCP095738	Soil	9.6	34.7	0.69	39.4	0.066	3	1.08	0.023	0.66	12.3	6.5	0.53	2.49	165	7.2	1.17	4.3	3.09	<0.1	0.05

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Client: **Lions Gate Metals**
880-609 Granville St. PO Box 10321, Pacific Centre
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: September 26, 2011

CERTIFICATE OF ANALYSIS SMI11000232.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SCP095696	Soil		3.28	17.6	0.8	<0.05	4.8	2.51	12.0	0.08	<1	0.6	8.3	<10	<2
SCP095697	Soil		1.43	24.1	0.7	<0.05	2.1	2.53	12.1	0.06	<1	0.4	10.9	<10	<2
SCP095698	Soil		1.04	25.1	0.7	<0.05	0.5	1.97	12.7	0.05	<1	0.3	6.0	<10	<2
SCP095747	Soil		1.17	4.5	0.7	<0.05	1.4	1.60	5.3	0.03	<1	<0.1	0.4	<10	<2
SCP095748	Soil		0.79	16.5	0.6	<0.05	0.4	3.70	15.9	0.04	<1	0.3	12.7	<10	<2
SCP095749	Soil		0.68	12.5	0.7	<0.05	0.7	3.02	14.8	0.06	<1	0.2	4.8	<10	<2
SCP095750	Soil		0.59	12.9	0.5	<0.05	0.5	3.53	12.7	0.06	<1	0.5	12.1	<10	<2
SCP095738	Soil		0.07	37.8	2.1	<0.05	1.9	8.77	19.8	0.02	298	0.4	5.1	34	<2

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QUALITY CONTROL REPORT SMI11000232.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	0.01	0.001
Pulp Duplicates																					
SCP095652	Soil	5.72	97.43	14.93	189.4	552	26.6	13.6	766	2.80	17.7	0.8	7.8	0.9	22.0	0.37	1.30	1.60	51	0.49	0.060
REP SCP095652	QC	5.37	92.92	13.79	185.2	502	26.4	13.5	694	2.65	16.6	0.7	5.6	1.1	21.4	0.32	1.30	1.50	48	0.45	0.056
SCP095673	Soil	1.25	19.43	12.47	89.0	152	10.7	4.6	238	2.03	8.2	0.4	4.0	1.2	13.5	0.12	0.61	0.55	41	0.14	0.031
REP SCP095673	QC	1.13	18.88	11.82	83.5	136	10.6	4.5	226	1.99	8.0	0.4	4.9	1.2	13.2	0.11	0.57	0.51	40	0.14	0.030
SCP095713	Soil	3.11	93.18	23.72	136.9	192	35.8	9.6	298	4.24	39.2	0.4	5.0	1.4	16.7	0.21	1.73	2.54	63	0.10	0.157
REP SCP095713	QC	3.09	92.73	23.38	136.4	214	35.4	9.6	312	4.38	40.6	0.4	4.7	1.4	16.4	0.20	1.77	2.49	64	0.10	0.161
SCP095679	Soil	2.06	55.51	23.90	131.5	540	19.7	12.6	802	3.17	13.7	0.7	3.9	0.4	29.0	0.26	0.82	1.66	56	0.25	0.061
REP SCP095679	QC	1.91	54.53	22.14	125.1	524	19.4	13.1	786	3.10	13.3	0.6	2.1	0.5	27.5	0.23	0.75	1.61	55	0.23	0.058
SCP095766	Soil	3.97	93.78	32.30	98.5	663	17.0	7.2	227	6.13	35.1	0.4	8.5	2.0	45.9	0.19	3.02	2.51	71	0.09	0.103
REP SCP095766	QC	3.59	90.73	30.93	98.8	675	16.9	6.5	220	5.99	34.4	0.4	11.4	2.2	45.0	0.22	2.87	2.49	70	0.09	0.099
SCP095721	Soil	2.51	36.85	22.63	141.4	761	18.2	8.1	300	4.76	32.0	0.4	24.8	1.3	14.5	0.60	1.40	1.89	77	0.10	0.135
REP SCP095721	QC	2.57	37.30	22.80	141.4	856	17.8	8.6	308	4.82	33.8	0.4	6.2	1.3	16.0	0.62	1.46	1.83	78	0.10	0.145
SCP095964	Soil	2.91	25.80	23.72	54.9	452	6.0	3.2	162	4.15	14.6	0.3	30.5	1.0	10.3	0.16	0.99	1.81	81	0.05	0.135
REP SCP095964	QC	2.77	24.19	22.57	51.8	444	5.6	3.3	155	4.14	13.5	0.3	75.3	1.0	9.8	0.17	0.96	1.67	82	0.05	0.128
SCP095817	Soil	1.91	42.70	22.03	115.8	678	22.3	15.3	404	3.84	19.1	0.4	3.7	1.6	9.4	0.15	0.84	1.20	66	0.08	0.101
REP SCP095817	QC	2.14	43.24	23.35	119.7	787	23.9	16.4	442	4.06	20.4	0.4	55.4	1.7	10.1	0.19	1.04	1.25	67	0.09	0.107
SCP095730	Soil	5.24	69.41	25.51	54.1	850	14.7	4.5	214	4.14	26.1	0.7	9.8	0.9	43.9	0.28	1.69	2.49	65	0.13	0.065
REP SCP095730	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095562	Soil	2.58	78.03	26.24	84.0	1361	56.1	10.7	779	5.05	22.0	1.8	6.6	0.8	52.1	0.08	1.34	3.15	98	0.70	0.081
REP SCP095562	QC	2.49	76.89	26.37	82.1	1342	55.6	10.7	782	5.15	22.5	1.8	10.7	0.7	53.6	0.10	1.38	3.21	103	0.71	0.079
SCP095787	Soil	1.34	41.20	21.86	234.1	528	13.2	14.0	443	4.56	21.7	0.3	4.6	1.3	14.4	0.26	0.77	1.73	80	0.22	0.124
REP SCP095787	QC	1.36	39.16	21.94	224.8	523	12.8	13.3	425	4.38	20.6	0.3	10.1	1.3	13.3	0.27	0.75	1.66	77	0.20	0.117
SCP095974	Soil	1.58	34.75	22.98	106.8	404	15.4	6.9	314	4.30	22.5	0.4	7.8	0.7	23.5	0.27	1.29	1.90	82	0.21	0.072
REP SCP095974	QC	1.55	34.43	22.72	103.9	385	15.1	6.7	298	4.19	22.0	0.3	5.3	0.7	22.6	0.26	1.23	1.93	80	0.20	0.070
SCP095579	Soil	4.02	87.06	43.95	106.9	1830	19.5	7.5	292	5.70	41.8	0.4	15.4	1.1	34.0	0.20	2.90	2.43	65	0.16	0.142
REP SCP095579	QC	4.06	87.46	43.29	107.6	1818	18.9	7.3	297	5.72	43.2	0.4	16.0	1.3	34.0	0.19	2.87	2.43	64	0.15	0.147
SCP095696	Soil	2.33	53.36	22.29	163.1	697	10.6	8.8	264	4.37	29.1	0.4	24.9	1.5	11.6	0.37	1.38	1.75	66	0.07	0.097
REP SCP095696	QC	2.42	53.94	22.40	162.4	681	10.5	9.1	266	4.42	29.6	0.4	12.1	1.5	11.2	0.37	1.44	1.73	68	0.07	0.101

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Project: Poplar Regional
Report Date: September 26, 2011

QUALITY CONTROL REPORT SMI11000232.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
Pulp Duplicates																					
SCP095652	Soil	9.2	20.5	0.48	151.3	0.024	<1	2.11	0.010	0.08	0.4	3.4	0.15	0.02	30	0.3	0.31	4.9	3.00	<0.1	<0.02
REP SCP095652	QC	8.5	19.2	0.43	140.4	0.031	2	1.95	0.010	0.07	0.5	3.5	0.18	0.02	7	0.4	0.38	4.7	3.18	0.1	<0.02
SCP095673	Soil	7.6	16.8	0.38	85.8	0.032	<1	1.42	0.008	0.05	0.3	2.2	0.08	<0.02	18	0.2	0.15	4.2	2.48	<0.1	<0.02
REP SCP095673	QC	7.7	16.3	0.37	86.2	0.030	<1	1.39	0.008	0.04	0.3	2.1	0.08	<0.02	13	0.2	0.09	4.2	2.47	<0.1	<0.02
SCP095713	Soil	5.1	46.6	0.72	94.3	0.038	1	3.80	0.003	0.09	0.9	3.7	0.22	0.05	51	0.3	1.00	6.2	4.68	<0.1	0.06
REP SCP095713	QC	5.1	48.1	0.76	97.2	0.035	<1	4.02	0.003	0.09	1.0	3.9	0.21	0.05	69	0.4	0.89	6.2	4.67	<0.1	0.07
SCP095679	Soil	10.1	28.5	0.59	160.5	0.023	2	2.73	0.008	0.10	0.5	2.8	0.20	0.03	41	0.7	0.27	7.4	4.63	<0.1	<0.02
REP SCP095679	QC	9.6	27.7	0.58	149.3	0.021	<1	2.71	0.008	0.10	0.4	2.6	0.19	0.03	34	0.3	0.24	7.0	4.38	<0.1	<0.02
SCP095766	Soil	7.9	30.8	0.51	282.4	0.039	<1	3.88	0.026	0.15	1.5	4.9	0.21	0.25	53	0.7	0.77	6.9	5.02	<0.1	0.10
REP SCP095766	QC	7.6	29.9	0.50	273.8	0.034	<1	3.78	0.026	0.15	1.4	4.6	0.22	0.24	59	0.8	0.99	6.7	4.83	<0.1	0.10
SCP095721	Soil	5.6	35.2	0.52	89.6	0.059	<1	2.29	0.011	0.07	0.6	3.2	0.13	0.04	93	0.7	0.72	8.7	3.61	<0.1	0.03
REP SCP095721	QC	5.6	34.8	0.53	95.5	0.061	<1	2.33	0.011	0.07	0.6	3.2	0.15	0.04	78	0.4	0.75	8.9	3.69	<0.1	0.03
SCP095964	Soil	5.7	19.8	0.17	97.0	0.042	<1	1.46	0.009	0.04	0.8	2.2	0.14	0.04	19	0.3	0.47	7.2	1.65	<0.1	<0.02
REP SCP095964	QC	5.6	17.9	0.16	94.7	0.042	<1	1.48	0.009	0.04	0.8	2.1	0.13	0.04	18	0.2	0.35	7.1	1.59	<0.1	<0.02
SCP095817	Soil	7.0	27.3	0.35	81.6	0.030	<1	2.62	0.010	0.05	0.3	3.1	0.19	0.03	69	0.3	0.31	8.0	3.23	<0.1	0.05
REP SCP095817	QC	7.7	28.8	0.39	88.2	0.049	2	2.76	0.010	0.06	0.6	3.4	0.21	0.03	86	0.5	0.32	8.4	3.77	<0.1	0.06
SCP095730	Soil	9.8	31.4	0.62	187.5	0.049	<1	2.10	0.023	0.11	1.6	4.0	0.33	0.13	37	0.8	0.61	7.0	3.90	<0.1	<0.02
REP SCP095730	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095562	Soil	9.4	111.3	2.01	128.9	0.072	<1	3.16	0.040	0.12	1.2	7.0	0.45	0.08	51	0.8	0.96	9.9	5.04	<0.1	0.02
REP SCP095562	QC	9.3	112.1	2.06	130.6	0.073	1	3.25	0.042	0.12	1.0	7.0	0.43	0.08	53	0.6	1.09	10.4	5.13	<0.1	<0.02
SCP095787	Soil	5.3	22.9	0.39	129.2	0.037	1	2.79	0.009	0.12	0.7	3.1	0.22	<0.02	43	<0.1	0.59	9.3	4.95	<0.1	0.06
REP SCP095787	QC	4.9	22.2	0.37	121.7	0.030	<1	2.61	0.009	0.11	0.6	2.8	0.21	<0.02	47	0.1	0.45	8.9	4.59	<0.1	0.06
SCP095974	Soil	6.5	28.2	0.62	112.4	0.041	<1	1.99	0.012	0.10	1.1	3.5	0.18	0.04	28	0.2	0.74	7.9	3.45	<0.1	<0.02
REP SCP095974	QC	6.3	27.3	0.60	106.4	0.040	<1	1.91	0.012	0.09	1.2	3.4	0.18	0.04	23	0.2	0.70	7.6	3.21	<0.1	<0.02
SCP095579	Soil	6.5	32.9	0.62	251.6	0.043	2	2.43	0.021	0.19	1.4	4.2	0.24	0.25	83	1.1	1.08	6.5	3.63	<0.1	<0.02
REP SCP095579	QC	6.4	34.2	0.61	254.0	0.038	2	2.36	0.020	0.19	1.5	4.1	0.24	0.25	97	1.0	1.05	6.4	3.44	<0.1	0.03
SCP095696	Soil	4.8	19.0	0.37	101.2	0.013	<1	2.81	0.007	0.07	0.9	3.1	0.17	0.03	76	0.3	0.73	6.9	3.04	<0.1	0.10
REP SCP095696	QC	4.9	19.7	0.38	100.2	0.014	<1	2.91	0.007	0.08	1.0	3.2	0.17	0.03	85	0.4	0.68	6.7	3.05	<0.1	0.08

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QUALITY CONTROL REPORT SMI11000232.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates														
SCP095652	Soil	0.44	12.0	0.4	<0.05	0.3	7.20	19.8	0.06	<1	0.5	14.0	<10	<2
REP SCP095652	QC	0.53	12.7	0.4	<0.05	0.3	6.93	19.2	0.04	2	0.7	12.3	<10	3
SCP095673	Soil	0.41	10.3	0.3	<0.05	0.6	2.83	14.6	0.03	<1	0.3	10.0	<10	<2
REP SCP095673	QC	0.42	9.8	0.3	<0.05	0.5	2.77	15.0	0.03	<1	0.4	9.6	<10	<2
SCP095713	Soil	0.97	14.3	0.4	<0.05	2.5	2.38	8.9	0.09	1	0.5	16.6	<10	<2
REP SCP095713	QC	0.99	14.2	0.4	<0.05	2.6	2.38	8.8	0.07	<1	0.6	16.2	<10	<2
SCP095679	Soil	0.64	23.2	0.5	<0.05	0.2	5.68	20.5	0.04	1	1.0	14.7	<10	<2
REP SCP095679	QC	0.57	21.8	0.5	<0.05	0.2	5.36	18.9	0.06	2	0.7	14.3	<10	<2
SCP095766	Soil	0.84	14.3	0.4	<0.05	3.6	2.56	12.7	0.10	1	0.3	13.4	<10	<2
REP SCP095766	QC	0.78	13.4	0.4	<0.05	3.5	2.52	12.1	0.09	<1	0.4	12.3	<10	<2
SCP095721	Soil	1.36	18.0	0.5	<0.05	1.4	2.88	10.5	0.06	<1	0.4	17.7	<10	<2
REP SCP095721	QC	1.45	18.9	0.7	<0.05	1.4	3.02	11.1	0.05	<1	0.6	17.9	<10	2
SCP095964	Soil	0.85	8.8	0.7	<0.05	0.7	1.45	9.9	0.04	<1	0.3	5.8	<10	<2
REP SCP095964	QC	0.81	8.7	0.6	<0.05	0.6	1.49	9.7	0.03	<1	0.2	5.5	<10	<2
SCP095817	Soil	1.62	11.7	0.7	<0.05	2.8	2.71	12.6	0.06	<1	0.5	13.1	<10	<2
REP SCP095817	QC	1.80	13.0	0.6	<0.05	2.8	3.06	13.6	0.04	<1	0.6	13.8	<10	<2
SCP095730	Soil	0.97	13.4	0.6	<0.05	0.4	5.03	17.9	0.06	<1	0.3	5.9	<10	<2
REP SCP095730	QC	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095562	Soil	0.63	20.9	0.5	<0.05	0.3	7.01	16.7	0.10	1	0.4	9.1	<10	<2
REP SCP095562	QC	0.64	21.5	0.5	<0.05	0.2	7.30	16.9	0.08	1	0.4	9.3	<10	<2
SCP095787	Soil	1.23	23.2	0.6	<0.05	2.4	2.15	11.8	0.08	<1	0.5	11.5	<10	<2
REP SCP095787	QC	1.20	21.4	0.6	<0.05	2.4	1.98	11.2	0.08	<1	0.5	10.6	<10	<2
SCP095974	Soil	0.54	18.1	0.4	<0.05	0.5	3.68	14.6	0.04	1	0.3	12.0	<10	<2
REP SCP095974	QC	0.50	17.1	0.4	<0.05	0.6	3.50	14.1	0.05	<1	0.4	11.5	<10	<2
SCP095579	Soil	0.76	17.9	0.4	<0.05	0.7	2.30	12.0	0.09	<1	0.4	9.3	<10	<2
REP SCP095579	QC	0.76	16.9	0.4	<0.05	1.1	2.21	11.6	0.09	<1	0.4	9.4	<10	<2
SCP095696	Soil	3.28	17.6	0.8	<0.05	4.8	2.51	12.0	0.08	<1	0.6	8.3	<10	<2
REP SCP095696	QC	3.23	17.5	0.7	<0.05	4.7	2.56	12.2	0.08	<1	0.6	8.6	<10	<2

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
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Client: **Lions Gate Metals**
880-609 Granville St. PO Box 10321, Pacific Centre
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: September 26, 2011

QUALITY CONTROL REPORT SMI11000232.1

		1F15 Mo ppm 0.01	1F15 Cu ppm 0.01	1F15 Pb ppm 0.01	1F15 Zn ppm 0.1	1F15 Ag ppb 2	1F15 Ni ppm 0.1	1F15 Co ppm 0.1	1F15 Mn ppm 1	1F15 Fe % 0.01	1F15 As ppm 0.1	1F15 U ppm 0.1	1F15 Au ppb 0.2	1F15 Th ppm 0.1	1F15 Sr ppm 0.5	1F15 Cd ppm 0.01	1F15 Sb ppm 0.02	1F15 Bi ppm 0.02	1F15 V ppm 2	1F15 Ca % 0.01	1F15 P % 0.001
SCP095747	Soil	5.51	89.45	8.42	26.0	523	2.3	1.4	53	27.20	22.6	0.3	5.7	0.7	1.8	0.02	1.88	2.15	90	0.02	0.103
REP SCP095747	QC	4.91	83.67	7.71	23.4	487	2.1	1.2	48	24.43	20.3	0.2	7.1	0.6	1.6	0.02	1.69	1.89	83	0.02	0.095
Reference Materials																					
STD DS8	Standard	11.56	107.0	122.9	295.1	1702	36.3	7.1	599	2.32	23.6	2.6	104.5	6.3	58.2	2.19	5.45	6.21	39	0.68	0.077
STD DS8	Standard	14.40	120.3	116.0	308.9	1619	42.0	8.2	600	2.55	22.8	2.7	105.6	6.8	62.3	2.11	5.09	6.06	43	0.73	0.076
STD DS8	Standard	14.32	95.16	123.7	313.9	1824	39.8	7.9	664	2.53	27.4	2.5	129.3	6.6	66.7	2.07	4.94	5.73	42	0.75	0.074
STD DS8	Standard	14.01	106.5	122.6	306.9	1740	37.3	7.5	609	2.46	27.2	2.7	109.5	7.2	62.1	2.20	5.38	5.83	43	0.72	0.074
STD DS8	Standard	13.57	109.2	123.5	312.9	1728	39.3	8.3	624	2.58	28.6	2.7	106.5	6.6	59.4	2.20	5.07	6.03	41	0.71	0.071
STD DS8	Standard	11.64	109.5	120.0	326.4	1720	36.2	7.4	585	2.29	25.5	2.4	102.6	5.9	61.4	2.24	5.77	6.90	37	0.62	0.086
STD DS8	Standard	13.62	113.9	123.8	315.9	1800	39.5	7.8	634	2.62	27.6	2.8	118.4	7.2	67.8	2.48	5.46	6.42	44	0.75	0.079
STD DS8	Standard	11.13	88.65	134.6	316.0	2037	35.6	6.1	598	2.36	25.2	2.2	123.6	5.3	61.2	2.03	4.64	5.42	41	0.64	0.076
STD DS8	Standard	12.71	107.5	130.0	311.8	1789	37.3	7.0	599	2.51	26.6	3.1	112.9	7.1	74.7	2.36	6.47	7.38	42	0.70	0.080
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	5.7	6.67	41.1	0.7	0.08
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	<0.01	<0.001
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	<0.01	<0.001
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	<0.01	<0.001
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	<0.01	<0.001
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	<0.01	<0.001
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	<0.01	<0.001
BLK	Blank	<0.01	0.76	<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	<0.01	<0.001
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	<0.01	<0.001
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	<0.01	<0.001

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880-609 Granville St. PO Box 10321, Pacific Centre
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: September 26, 2011

QUALITY CONTROL REPORT SMI11000232.1

		1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SCP095747	Soil	2.6	16.5	0.06	10.6	0.106	<1	0.82	0.004	0.02	0.6	1.3	0.15	0.19	23	0.5	0.41	9.5	2.46	0.2	0.03
REP SCP095747	QC	2.4	15.2	0.06	9.8	0.095	<1	0.76	0.004	0.02	0.5	1.2	0.18	0.18	31	0.4	0.53	8.5	2.20	0.2	0.03
Reference Materials																					
STD DS8	Standard	13.7	114.9	0.59	262.5	0.102	2	0.87	0.082	0.40	3.0	1.7	5.36	0.16	207	4.6	4.44	4.3	2.35	<0.1	0.09
STD DS8	Standard	15.2	116.1	0.62	257.9	0.123	3	0.94	0.091	0.42	2.8	2.3	4.99	0.17	165	5.2	4.76	4.7	2.34	0.1	0.08
STD DS8	Standard	15.4	123.0	0.63	291.1	0.110	2	1.04	0.096	0.46	3.3	2.0	5.53	0.16	202	5.4	5.17	4.9	2.56	0.1	0.09
STD DS8	Standard	16.8	123.3	0.59	278.2	0.116	3	0.90	0.091	0.41	3.1	2.4	5.46	0.16	200	5.1	4.99	5.1	2.54	0.1	0.09
STD DS8	Standard	14.6	124.4	0.62	264.4	0.115	3	0.93	0.088	0.42	3.0	2.2	5.51	0.17	197	5.2	4.97	4.8	2.46	<0.1	0.07
STD DS8	Standard	13.3	111.4	0.57	240.7	0.107	3	0.83	0.076	0.39	2.7	1.8	5.20	0.15	184	4.7	4.65	4.1	2.29	<0.1	0.06
STD DS8	Standard	16.7	126.7	0.64	285.3	0.124	3	0.95	0.092	0.43	3.1	2.2	5.57	0.16	212	5.5	5.03	4.7	2.54	<0.1	0.08
STD DS8	Standard	10.7	119.0	0.58	210.6	0.076	2	0.84	0.079	0.39	3.0	1.9	6.15	0.15	206	5.5	5.48	4.9	2.63	<0.1	0.06
STD DS8	Standard	15.5	117.1	0.61	271.5	0.130	2	0.96	0.095	0.43	3.1	2.2	5.35	0.17	224	5.0	5.22	4.6	2.44	<0.1	0.07
STD DS8 Expected		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	2.48	0.13	0.08
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02

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Project: Poplar Regional
Report Date: September 26, 2011

QUALITY CONTROL REPORT SMI11000232.1

		1F15 Nb ppm 0.02	1F15 Rb ppm 0.1	1F15 Sn ppm 0.1	1F15 Ta ppm 0.05	1F15 Zr ppm 0.1	1F15 Y ppm 0.01	1F15 Ce ppm 0.1	1F15 In ppm 0.02	1F15 Re ppb 1	1F15 Be ppm 0.1	1F15 Li ppm 0.1	1F15 Pd ppb 10	1F15 Pt ppb 2
SCP095747	Soil	1.17	4.5	0.7	<0.05	1.4	1.60	5.3	0.03	<1	<0.1	0.4	<10	<2
REP SCP095747	QC	0.96	4.0	0.7	<0.05	1.3	1.52	4.9	0.04	<1	<0.1	0.4	<10	<2
Reference Materials														
STD DS8	Standard	1.16	35.4	6.4	<0.05	1.8	5.53	25.5	2.11	55	5.0	26.3	107	318
STD DS8	Standard	1.29	37.0	6.2	<0.05	1.6	6.12	25.9	2.01	53	4.8	27.1	122	289
STD DS8	Standard	1.51	36.4	6.2	<0.05	2.3	6.36	32.1	1.99	55	5.1	23.6	122	356
STD DS8	Standard	1.61	39.8	6.5	<0.05	2.0	6.70	30.2	2.26	62	5.3	26.1	119	341
STD DS8	Standard	1.24	39.1	6.1	<0.05	1.6	5.99	26.8	2.09	56	5.2	26.2	122	328
STD DS8	Standard	1.00	35.8	7.1	<0.05	1.7	5.28	22.2	2.28	63	4.6	25.4	89	331
STD DS8	Standard	1.36	38.1	6.9	<0.05	2.3	6.41	31.3	2.23	62	4.8	29.3	96	367
STD DS8	Standard	0.95	36.9	6.0	<0.05	1.6	4.80	24.8	2.02	59	5.8	27.1	126	389
STD DS8	Standard	1.23	37.1	6.8	<0.05	1.8	6.26	27.2	2.12	51	5.5	23.8	94	341
STD DS8 Expected		1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2

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Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Submitted By: Andrew Gourlay
Receiving Lab: Canada-Smithers
Received: August 04, 2011
Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS SMI11000234.1

CLIENT JOB INFORMATION

Project: Poplar Regional
Shipment ID: PRG#3
P.O. Number
Number of Samples: 206

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	200	Dry at 60C			SMI
SS80	195	Dry at 60C sieve 100g to -80 mesh			SMI
1F05	190	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	15	Completed	VAN
RJSV	195	Saving all or part of Soil Reject			SMI

ADDITIONAL COMMENTS

Invoice To: Lions Gate Metals Inc.
880 - 609 Granville St.
Vancouver BC V7Y 1G5
Canada

CC: Lorie Farrell

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Project: Poplar Regional
Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS SMI11000234.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	0.01	0.001
SCP095844	Soil	2.65	61.96	13.58	83.4	300	13.0	9.3	362	2.60	13.8	0.5	9.8	0.4	20.7	0.17	0.86	0.97	47	0.17	0.036
SCP095845	Soil	2.59	89.39	25.84	126.2	1097	18.5	12.9	518	3.70	25.6	0.7	8.3	1.5	22.2	0.40	1.29	1.30	53	0.19	0.083
SCP095846	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095847	Soil	2.97	61.41	20.28	118.9	328	12.5	8.5	518	2.89	18.6	0.8	7.9	0.7	21.9	0.23	1.07	1.05	50	0.19	0.047
SCP095848	Soil	10.37	45.20	4.93	100.0	481	2.3	4.0	214	>40	44.6	0.2	0.3	0.3	17.1	0.48	0.81	0.20	28	0.16	0.128
SCP095849	Soil	2.11	13.85	10.72	35.5	1465	4.2	2.1	140	6.28	10.7	0.3	5.8	0.9	11.3	0.11	1.42	1.23	57	0.15	0.070
SCP095850	Soil	1.88	52.26	17.37	88.4	1755	11.2	5.7	530	3.04	16.6	0.6	7.5	1.6	16.3	0.27	0.94	0.92	42	0.25	0.079
SCP095611	Soil	1.35	27.41	18.41	42.9	319	13.2	4.1	205	3.48	9.4	0.4	6.9	0.7	24.0	0.08	0.97	1.20	54	0.14	0.046
SCP095612	Soil	1.44	36.52	17.14	70.7	462	15.7	7.7	300	2.98	11.6	0.4	3.3	0.7	23.7	0.10	0.88	1.14	56	0.16	0.046
SCP095613	Soil	1.86	27.57	15.89	145.4	512	18.2	9.8	279	4.14	23.2	0.3	2.2	1.5	9.9	0.29	0.86	1.42	64	0.08	0.179
SCP095614	Soil	1.47	19.30	20.43	61.4	621	8.8	4.4	188	3.30	13.1	0.3	6.3	1.2	15.6	0.15	0.89	1.70	65	0.09	0.069
SCP095615	Soil	1.29	18.29	19.70	56.6	602	7.9	4.3	177	3.02	11.3	0.3	8.5	1.2	15.4	0.14	0.85	1.63	60	0.08	0.063
SCP095616	Soil	0.41	1.64	0.26	5.9	16	0.2	0.3	5	>40	0.2	<0.1	0.5	<0.1	0.6	<0.01	0.16	0.06	<2	0.01	0.046
SCP095617	Soil	2.44	69.59	19.31	145.3	759	11.3	17.9	946	3.93	19.1	0.7	7.4	0.8	37.8	0.50	1.17	1.49	54	0.32	0.055
SCP095618	Soil	2.35	58.84	15.82	131.6	667	13.8	8.2	376	2.75	17.2	0.6	13.8	0.5	27.4	0.26	1.12	1.72	53	0.22	0.046
SCP095619	Soil	2.75	55.88	28.55	160.4	2334	11.1	6.2	225	3.47	18.0	0.8	7.2	1.4	17.8	0.31	1.12	1.36	49	0.14	0.097
SCP095825	Soil	2.35	51.01	24.63	83.6	950	21.0	6.2	301	3.76	25.5	0.4	6.2	1.2	19.9	0.18	1.48	2.17	71	0.13	0.086
SCP095826	Soil	1.82	56.33	21.86	96.6	1579	16.6	8.3	243	3.35	25.1	0.7	7.2	2.2	11.0	0.29	0.88	1.14	57	0.08	0.272
SCP095827	Soil	3.63	149.4	37.86	115.7	3888	25.0	12.3	242	4.78	38.7	1.1	15.3	2.9	10.6	0.22	1.28	2.13	64	0.06	0.331
SCP095828	Soil	1.79	30.73	19.06	143.8	874	20.0	11.0	394	3.48	25.6	0.5	25.2	1.8	14.7	0.41	0.92	1.07	58	0.12	0.179
SCP095829	Soil	1.75	20.21	17.15	80.0	1115	10.4	6.2	276	3.20	16.6	0.3	22.1	1.4	10.5	0.26	0.67	1.12	63	0.10	0.112
SCP095830	Soil	1.94	29.67	19.28	96.8	627	15.0	6.7	249	3.18	20.4	0.3	4.1	1.3	13.9	0.28	0.94	1.15	57	0.11	0.108
SCP095831	Soil	1.21	31.25	10.44	11.4	397	2.7	1.1	27	3.75	43.8	1.0	2.3	0.1	8.1	0.09	0.68	0.67	36	0.07	0.096
SCP095832	Soil	2.56	38.58	14.69	65.1	428	12.1	5.4	287	2.43	12.6	0.4	6.4	0.7	21.9	0.12	0.90	1.26	53	0.15	0.034
SCP096000	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095969	Soil	2.42	46.69	23.44	127.3	700	12.7	8.0	283	3.86	19.1	0.4	12.0	1.0	27.9	0.47	1.27	1.93	67	0.18	0.088
SCP095580	Soil	2.18	36.17	29.08	67.5	528	13.0	5.1	238	4.05	25.5	0.3	4.5	0.8	29.6	0.18	2.18	2.11	87	0.16	0.060
SCP095581	Rock Pulp	135.8	3739	50.51	126.2	3467	25.5	20.2	501	4.62	90.3	0.7	949.7	2.2	32.8	0.93	7.50	0.80	92	0.38	0.110
SCP095582	Soil	1.90	49.43	35.85	110.6	835	13.3	5.8	295	4.45	31.3	0.3	14.3	1.2	33.1	0.32	2.28	2.46	75	0.12	0.119
SCP095583	Soil	2.14	69.30	32.54	127.6	634	20.9	8.2	315	4.19	29.8	0.4	23.2	1.5	35.1	0.27	2.06	2.10	71	0.15	0.104

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880 - 609 Granville St.
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Project: Poplar Regional
Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS SMI11000234.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SCP095844	Soil	7.3	22.4	0.48	112.4	0.030	<1	1.79	0.007	0.07	0.3	2.6	0.13	<0.02	31	0.3	0.25	5.1	2.85	<0.1	<0.02
SCP095845	Soil	10.8	23.2	0.46	184.1	0.030	<1	2.56	0.009	0.10	0.4	4.2	0.19	0.04	73	0.7	0.40	5.6	3.85	<0.1	<0.02
SCP095846	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095847	Soil	9.6	19.7	0.42	142.0	0.035	1	1.93	0.010	0.07	0.3	3.3	0.15	<0.02	44	0.7	0.23	5.2	3.57	<0.1	<0.02
SCP095848	Soil	2.8	3.3	0.02	72.5	0.011	<1	0.42	0.003	0.02	0.4	0.9	0.05	0.11	45	0.6	0.12	1.3	0.50	0.2	0.02
SCP095849	Soil	7.0	13.6	0.16	50.8	0.085	<1	0.95	0.004	0.05	0.4	2.0	0.10	0.02	79	0.3	0.12	9.2	2.54	<0.1	0.03
SCP095850	Soil	7.9	16.9	0.36	117.4	0.019	1	2.50	0.007	0.06	0.3	3.3	0.15	0.03	94	0.5	0.21	6.1	3.80	<0.1	0.03
SCP095611	Soil	7.7	26.5	0.52	155.9	0.054	<1	1.41	0.013	0.11	0.5	3.2	0.16	0.13	33	0.4	0.31	7.0	3.17	<0.1	<0.02
SCP095612	Soil	7.7	26.5	0.58	118.4	0.036	<1	1.80	0.009	0.07	0.3	3.1	0.13	0.04	40	0.3	0.33	6.0	3.05	<0.1	<0.02
SCP095613	Soil	6.0	34.4	0.39	85.5	0.042	<1	3.58	0.004	0.05	0.5	3.4	0.10	0.02	117	0.5	0.50	7.9	3.36	<0.1	0.11
SCP095614	Soil	6.7	22.9	0.30	100.4	0.043	1	1.48	0.012	0.06	0.5	2.3	0.13	0.03	26	0.1	0.34	8.0	2.21	<0.1	0.02
SCP095615	Soil	6.6	21.9	0.29	96.4	0.040	<1	1.36	0.012	0.05	0.4	2.3	0.13	0.03	30	0.1	0.32	7.4	1.97	<0.1	0.03
SCP095616	Soil	<0.5	0.8	<0.01	0.6	0.003	<1	0.06	0.002	<0.01	0.8	0.6	<0.02	0.59	20	1.9	<0.02	0.2	0.08	0.2	<0.02
SCP095617	Soil	11.9	20.4	0.33	161.4	0.022	<1	1.78	0.016	0.06	0.4	2.7	0.22	0.02	27	0.3	0.24	7.0	3.07	<0.1	<0.02
SCP095618	Soil	7.4	22.7	0.56	139.6	0.028	<1	2.08	0.018	0.07	0.6	2.8	0.17	0.02	24	0.3	0.21	6.2	2.92	<0.1	<0.02
SCP095619	Soil	8.9	22.0	0.40	141.2	0.022	1	3.33	0.013	0.07	0.6	4.3	0.18	0.05	131	0.6	0.18	6.9	3.35	<0.1	0.04
SCP095825	Soil	6.5	37.1	0.67	110.6	0.038	<1	2.30	0.015	0.08	0.5	3.7	0.18	0.03	34	0.3	0.53	7.6	2.96	<0.1	0.02
SCP095826	Soil	6.4	31.0	0.41	69.4	0.038	1	3.88	0.012	0.05	0.5	3.9	0.13	0.04	127	0.4	0.23	6.2	2.97	<0.1	0.13
SCP095827	Soil	16.8	37.0	0.48	127.2	0.011	<1	7.26	0.016	0.10	0.3	7.3	0.37	0.15	172	0.9	0.45	9.4	5.32	<0.1	0.16
SCP095828	Soil	6.5	34.4	0.54	72.5	0.050	1	2.92	0.014	0.06	0.7	3.8	0.14	0.03	92	0.3	0.23	6.3	2.78	<0.1	0.08
SCP095829	Soil	6.2	25.7	0.30	65.8	0.042	<1	2.08	0.014	0.05	0.3	3.1	0.13	<0.02	78	0.4	0.23	7.1	2.31	<0.1	0.03
SCP095830	Soil	6.9	26.1	0.43	74.9	0.037	1	2.10	0.012	0.07	0.6	3.2	0.11	0.02	62	0.3	0.25	6.2	2.60	<0.1	0.03
SCP095831	Soil	6.6	18.5	0.05	29.1	0.019	<1	0.62	0.012	0.04	0.3	1.1	0.12	0.32	63	0.6	0.15	3.5	2.33	<0.1	<0.02
SCP095832	Soil	6.8	22.9	0.64	73.7	0.034	<1	1.49	0.012	0.06	0.7	3.3	0.17	0.02	17	0.2	0.26	5.6	2.41	<0.1	<0.02
SCP096000	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095969	Soil	6.8	25.5	0.57	140.2	0.044	<1	1.90	0.015	0.09	0.8	3.5	0.16	0.05	27	0.3	0.43	6.9	2.72	<0.1	<0.02
SCP095580	Soil	6.1	29.5	0.66	116.2	0.058	<1	1.46	0.017	0.08	1.4	3.7	0.16	0.08	17	0.4	0.75	7.2	3.37	<0.1	0.02
SCP095581	Rock Pulp	10.3	35.9	0.70	45.8	0.067	2	1.09	0.033	0.69	12.4	7.0	0.55	2.55	149	7.0	1.23	4.4	3.22	0.1	0.06
SCP095582	Soil	6.1	28.3	0.67	224.5	0.029	<1	2.12	0.020	0.13	0.9	4.3	0.19	0.14	39	0.4	0.87	6.8	2.94	<0.1	0.02
SCP095583	Soil	7.0	34.9	0.82	180.4	0.035	<1	2.47	0.020	0.14	1.0	4.8	0.20	0.11	33	0.5	0.71	6.5	3.04	<0.1	0.05

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Project: Poplar Regional
Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS SMI11000234.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SCP095844	Soil	0.34	10.4	0.4	<0.05	0.2	4.01	14.4	0.03	1	0.3	9.9	<10	<2
SCP095845	Soil	0.52	12.0	0.3	<0.05	0.7	8.16	23.6	0.06	<1	0.5	10.9	<10	<2
SCP095846	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095847	Soil	0.42	11.4	0.4	<0.05	0.3	6.92	19.4	0.05	3	0.4	12.6	<10	<2
SCP095848	Soil	0.41	3.0	<0.1	<0.05	1.5	2.87	6.2	<0.02	2	0.3	0.2	<10	<2
SCP095849	Soil	1.12	9.2	0.7	<0.05	1.1	3.53	13.8	<0.02	<1	<0.1	1.5	<10	<2
SCP095850	Soil	0.71	11.9	0.3	<0.05	1.7	6.34	16.9	0.05	<1	0.3	14.9	<10	<2
SCP095611	Soil	0.41	15.1	0.4	<0.05	0.8	5.12	16.6	0.03	1	0.1	4.3	<10	<2
SCP095612	Soil	0.47	16.2	0.4	<0.05	0.3	4.25	15.3	0.04	1	0.2	7.0	<10	<2
SCP095613	Soil	2.36	11.8	0.7	<0.05	4.2	2.89	11.9	0.07	1	0.5	16.7	<10	<2
SCP095614	Soil	1.30	11.1	0.8	<0.05	0.9	1.87	11.9	0.06	<1	0.2	8.3	<10	<2
SCP095615	Soil	1.19	10.0	0.7	<0.05	0.9	1.76	11.9	0.04	<1	0.3	7.9	<10	<2
SCP095616	Soil	0.11	0.2	<0.1	<0.05	0.6	0.32	0.7	<0.02	2	<0.1	<0.1	<10	<2
SCP095617	Soil	1.67	16.1	0.8	<0.05	1.0	8.20	22.8	0.05	<1	0.6	13.7	<10	<2
SCP095618	Soil	0.63	12.3	0.6	<0.05	0.2	4.14	13.4	0.05	<1	0.4	14.7	<10	<2
SCP095619	Soil	1.56	14.3	0.5	<0.05	1.4	6.45	15.3	0.08	1	0.7	18.5	<10	<2
SCP095825	Soil	0.74	13.1	0.6	<0.05	1.1	2.94	12.1	0.05	<1	0.4	11.2	<10	<2
SCP095826	Soil	2.00	11.8	0.6	<0.05	5.1	4.27	12.6	0.05	<1	0.6	18.1	<10	<2
SCP095827	Soil	1.90	24.7	0.7	<0.05	6.9	18.78	34.1	0.10	<1	0.7	23.9	<10	<2
SCP095828	Soil	1.58	14.5	0.5	<0.05	3.5	3.94	13.6	0.05	<1	0.6	16.5	<10	<2
SCP095829	Soil	1.14	13.6	0.7	<0.05	1.4	2.52	12.0	0.05	<1	0.2	12.6	<10	<2
SCP095830	Soil	1.05	14.3	0.5	<0.05	1.5	3.80	13.3	0.05	<1	0.2	12.5	<10	<2
SCP095831	Soil	0.70	5.3	0.3	<0.05	0.1	7.53	15.8	0.03	<1	<0.1	1.9	<10	<2
SCP095832	Soil	0.45	13.0	0.4	<0.05	0.3	3.29	12.7	0.03	<1	0.2	7.7	<10	<2
SCP096000	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095969	Soil	1.04	18.5	0.6	<0.05	0.6	3.58	12.8	0.06	<1	0.4	12.1	<10	<2
SCP095580	Soil	0.71	17.8	0.5	<0.05	0.7	2.46	11.1	0.04	<1	0.1	6.7	<10	<2
SCP095581	Rock Pulp	0.07	40.6	2.2	<0.05	1.8	9.48	19.9	0.05	317	0.5	5.3	<10	<2
SCP095582	Soil	0.32	17.7	0.5	<0.05	1.1	2.15	10.4	0.08	<1	0.3	12.0	<10	<2
SCP095583	Soil	0.37	18.8	0.4	<0.05	1.8	2.52	12.7	0.09	<1	0.3	13.4	<10	<2

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Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS SMI11000234.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	0.01	0.001
SCP095584	Soil	0.88	15.77	20.85	44.0	474	6.5	2.7	136	2.62	10.2	0.2	9.4	0.8	27.4	0.17	1.02	1.84	66	0.14	0.037
SCP095585	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095586	Soil	2.64	26.10	28.82	49.4	490	11.0	3.3	172	4.60	31.9	0.2	9.9	1.0	20.6	0.16	2.52	2.29	89	0.07	0.082
SCP095587	Soil	2.27	29.91	41.88	65.7	923	11.7	3.3	172	5.39	34.3	0.3	40.0	1.3	26.9	0.14	2.44	2.65	102	0.07	0.123
SCP095588	Soil	2.80	39.23	38.48	54.1	631	13.3	3.5	183	6.26	32.5	0.4	6.7	1.6	26.1	0.11	2.18	2.80	90	0.06	0.221
SCP095589	Soil	2.85	52.52	36.59	62.4	836	17.1	4.1	195	6.11	35.0	0.5	12.4	2.1	30.7	0.13	2.29	2.75	82	0.06	0.247
SCP095590	Soil	3.00	55.24	31.71	65.8	1464	17.0	4.8	160	6.11	37.7	0.4	14.9	2.2	21.9	0.12	2.78	3.10	76	0.05	0.221
SCP095840	Soil	8.21	87.82	27.68	46.2	613	7.4	3.2	158	4.92	33.0	0.9	19.2	1.2	39.2	0.16	1.99	2.10	67	0.12	0.070
SCP095841	Soil	3.73	63.00	22.70	60.1	576	22.2	4.0	248	3.65	26.7	0.5	11.8	0.8	29.8	0.22	1.84	2.59	95	0.18	0.061
SCP095842	Soil	4.06	112.8	34.66	65.1	680	10.5	4.4	225	4.03	25.3	0.8	249.2	1.8	25.1	0.17	3.35	1.77	59	0.10	0.068
SCP095843	Soil	1.32	33.06	16.90	51.6	399	6.3	3.4	165	1.67	8.0	0.4	8.0	0.5	19.0	0.16	0.64	1.38	37	0.16	0.061
SCP095732	Soil	3.48	41.83	17.42	59.9	219	6.9	4.1	232	3.72	29.4	0.4	6.4	1.1	19.2	0.17	1.27	1.29	71	0.21	0.104
SCP095733	Soil	5.06	62.36	22.38	55.4	576	6.1	3.0	228	4.78	25.6	0.4	8.8	2.7	42.6	0.12	1.84	1.41	52	0.07	0.218
SCP095734	Soil	3.74	69.71	22.23	48.9	1092	7.8	5.2	266	3.63	26.2	0.6	21.5	2.4	11.9	0.11	2.00	1.19	51	0.06	0.108
SCP095735	Soil	3.53	70.43	22.31	49.2	844	9.2	3.8	174	3.65	24.0	0.8	6.6	2.3	11.0	0.15	1.35	1.03	47	0.06	0.124
SCP095736	Soil	5.02	57.37	21.64	90.9	668	9.1	5.3	184	3.80	24.5	0.4	8.2	2.0	23.1	0.11	1.59	1.02	52	0.05	0.134
SCP095737	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095739	Soil	1.69	40.52	18.09	169.9	723	11.5	10.6	438	3.07	13.7	0.5	3.2	1.8	10.8	0.31	0.77	1.25	55	0.11	0.068
SCP095740	Soil	1.27	17.15	18.18	156.5	416	10.5	9.4	267	3.30	18.0	0.3	2.7	1.4	11.1	0.42	0.75	1.29	57	0.11	0.126
SCP095741	Soil	3.30	80.06	19.48	61.1	511	10.9	5.5	237	3.34	21.6	0.5	38.2	1.9	22.2	0.08	1.77	1.25	56	0.09	0.050
SCP095742	Soil	3.48	54.38	25.75	56.2	469	10.4	4.4	226	4.18	34.3	0.5	8.1	1.2	15.0	0.06	1.95	1.91	68	0.07	0.038
SCP095743	Soil	4.33	115.8	21.88	60.8	942	13.4	5.5	249	4.42	27.0	0.4	17.9	2.0	37.1	0.08	2.30	1.86	69	0.07	0.080
SCP095744	Soil	9.99	61.48	28.04	45.8	466	6.6	2.9	154	4.97	29.3	0.6	15.4	1.4	37.2	0.06	2.73	1.70	70	0.05	0.063
SCP095745	Soil	5.36	75.63	26.29	45.4	602	11.6	3.2	196	7.28	28.5	0.4	24.0	1.9	22.4	0.07	3.57	2.59	76	0.05	0.131
SCP095746	Soil	5.44	79.18	18.81	45.2	328	8.8	3.4	194	4.98	21.8	0.4	10.4	2.1	35.1	0.07	3.04	1.50	92	0.05	0.084
SCP095591	Soil	3.16	51.62	33.43	43.1	7955	15.2	3.9	140	7.32	29.6	0.5	10.3	2.5	18.7	0.09	2.09	1.99	91	0.06	0.287
SCP095592	Soil	2.64	48.27	33.79	94.5	2123	20.1	5.7	220	5.65	34.1	0.4	5.1	1.7	20.1	0.16	1.90	2.10	77	0.08	0.154
SCP095593	Rock Pulp	144.0	3618	46.67	119.8	3633	25.8	18.8	474	4.60	76.6	0.6	902.8	2.1	29.4	0.87	6.59	0.68	87	0.36	0.094
SCP095594	Soil	2.98	90.73	38.47	70.6	782	25.1	5.4	295	5.57	29.4	1.7	9.5	2.6	14.0	0.07	1.86	1.89	87	0.07	0.113
SCP095595	Soil	3.04	60.19	38.36	104.0	1296	19.7	6.4	229	6.91	34.7	0.5	6.5	1.9	14.2	0.17	1.66	2.12	111	0.08	0.074

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Project: Poplar Regional
Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS SMI11000234.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SCP095584	Soil	6.2	16.3	0.28	75.6	0.047	<1	0.84	0.012	0.07	1.0	2.3	0.16	0.03	15	0.1	0.50	5.8	1.99	<0.1	<0.02
SCP095585	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095586	Soil	5.9	30.8	0.46	127.8	0.048	<1	1.38	0.014	0.08	1.2	2.9	0.18	0.10	33	0.3	0.91	7.4	3.02	<0.1	0.03
SCP095587	Soil	7.3	30.6	0.48	201.4	0.050	<1	1.55	0.016	0.09	1.4	3.3	0.22	0.11	31	0.4	1.02	9.8	2.96	<0.1	0.03
SCP095588	Soil	9.3	34.7	0.47	174.9	0.032	<1	2.23	0.014	0.09	1.2	3.3	0.25	0.09	64	0.4	0.81	10.6	4.23	<0.1	0.07
SCP095589	Soil	10.5	39.4	0.58	203.4	0.029	<1	3.02	0.015	0.10	1.3	4.0	0.28	0.12	121	0.5	1.03	9.8	4.99	<0.1	0.13
SCP095590	Soil	8.5	38.1	0.41	198.1	0.040	<1	4.29	0.015	0.10	1.5	4.3	0.25	0.13	149	0.6	1.00	7.7	5.00	<0.1	0.13
SCP095840	Soil	9.5	18.9	0.41	171.4	0.036	<1	1.79	0.016	0.10	2.4	3.1	0.21	0.10	50	0.9	0.54	6.8	2.01	<0.1	<0.02
SCP095841	Soil	6.2	46.5	0.88	122.5	0.073	<1	1.58	0.020	0.10	0.9	5.0	0.23	0.06	34	0.3	1.01	7.9	2.28	<0.1	<0.02
SCP095842	Soil	9.7	22.7	0.46	146.1	0.028	<1	2.55	0.015	0.09	1.1	3.8	0.20	0.05	58	0.6	0.40	6.1	3.10	<0.1	<0.02
SCP095843	Soil	7.1	13.8	0.27	79.1	0.023	1	1.37	0.013	0.06	0.6	2.1	0.14	0.02	45	0.1	0.17	5.9	1.56	<0.1	<0.02
SCP095732	Soil	5.3	16.5	0.39	72.6	0.044	<1	1.39	0.013	0.06	0.8	3.1	0.12	<0.02	19	0.4	0.24	6.1	1.84	<0.1	<0.02
SCP095733	Soil	11.0	19.9	0.27	327.7	0.042	1	2.81	0.035	0.11	1.2	3.3	0.19	0.26	120	0.6	0.43	5.2	2.02	<0.1	0.05
SCP095734	Soil	9.1	17.9	0.30	117.2	0.048	<1	2.03	0.010	0.05	1.3	3.6	0.20	0.03	81	0.4	0.32	4.4	1.89	<0.1	0.09
SCP095735	Soil	9.1	19.5	0.32	74.2	0.054	<1	2.78	0.011	0.05	0.7	5.3	0.16	0.08	44	0.5	0.20	4.5	2.18	<0.1	0.09
SCP095736	Soil	9.2	18.8	0.29	185.3	0.030	1	2.37	0.015	0.07	0.9	2.8	0.14	0.08	53	0.3	0.28	5.1	2.37	<0.1	0.06
SCP095737	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095739	Soil	7.2	22.5	0.29	102.5	0.046	2	2.82	0.012	0.05	0.3	3.2	0.13	0.04	62	0.2	0.14	6.4	2.86	<0.1	0.06
SCP095740	Soil	5.4	20.7	0.30	83.5	0.024	1	2.23	0.010	0.04	0.4	2.8	0.13	<0.02	60	0.2	0.24	5.8	2.63	<0.1	0.05
SCP095741	Soil	7.8	22.4	0.47	151.0	0.044	1	1.66	0.012	0.09	0.6	3.1	0.17	0.07	30	0.4	0.33	4.2	2.03	<0.1	0.05
SCP095742	Soil	7.5	25.5	0.53	80.3	0.046	1	1.84	0.011	0.08	0.8	4.0	0.20	0.06	53	0.4	0.47	5.9	3.37	<0.1	<0.02
SCP095743	Soil	8.7	24.3	0.63	187.3	0.038	<1	2.90	0.013	0.11	1.4	4.6	0.26	0.09	95	0.6	0.66	5.9	3.65	<0.1	0.08
SCP095744	Soil	9.5	18.7	0.38	191.1	0.049	<1	1.53	0.020	0.13	1.4	3.2	0.27	0.22	49	0.7	0.57	6.3	2.88	<0.1	<0.02
SCP095745	Soil	6.6	32.2	0.61	91.6	0.045	<1	2.10	0.011	0.07	3.1	3.6	0.24	0.08	108	0.8	1.04	6.8	3.59	<0.1	0.08
SCP095746	Soil	7.3	19.7	0.66	139.1	0.044	<1	2.50	0.021	0.11	1.2	4.6	0.25	0.14	85	0.7	0.52	6.1	2.56	<0.1	0.06
SCP095591	Soil	8.8	49.8	0.39	205.9	0.070	<1	3.32	0.011	0.08	1.0	4.1	0.27	0.11	339	0.5	0.84	10.6	5.93	<0.1	0.08
SCP095592	Soil	7.5	36.2	0.55	166.3	0.035	<1	3.07	0.012	0.10	0.9	3.5	0.25	0.09	76	0.4	0.74	8.4	4.71	<0.1	0.06
SCP095593	Rock Pulp	10.3	35.0	0.68	39.8	0.065	3	1.06	0.027	0.66	11.5	6.4	0.53	2.50	121	6.6	1.18	4.0	2.92	<0.1	0.04
SCP095594	Soil	7.5	50.2	0.88	105.0	0.073	<1	2.57	0.012	0.12	1.1	6.7	0.37	0.09	65	0.6	0.72	8.8	6.73	<0.1	0.07
SCP095595	Soil	7.1	44.9	0.52	116.6	0.052	<1	3.15	0.010	0.08	0.6	3.9	0.26	0.03	100	0.3	0.77	12.8	6.40	<0.1	0.09

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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SCP095584	Soil	0.73	16.2	0.6	<0.05	0.6	2.21	11.3	0.03	<1	0.1	2.7	<10	<2
SCP095585	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095586	Soil	0.73	13.5	0.5	<0.05	1.1	1.62	10.7	0.05	<1	0.2	6.9	<10	<2
SCP095587	Soil	0.84	13.2	0.7	<0.05	1.5	1.55	12.2	0.05	<1	0.1	7.4	<10	<2
SCP095588	Soil	2.49	15.3	1.0	<0.05	3.5	1.63	15.1	0.08	<1	0.2	8.8	<10	<2
SCP095589	Soil	2.64	15.7	0.9	<0.05	5.9	1.94	16.9	0.11	<1	0.3	13.6	<10	<2
SCP095590	Soil	1.36	14.6	0.6	<0.05	5.0	2.37	14.0	0.09	<1	0.4	15.5	<10	<2
SCP095840	Soil	1.07	11.5	0.6	<0.05	0.6	4.16	16.7	0.06	<1	0.2	4.7	<10	<2
SCP095841	Soil	0.77	12.1	0.8	<0.05	0.7	2.41	11.2	0.05	<1	0.1	5.0	<10	<2
SCP095842	Soil	0.70	11.9	0.5	<0.05	1.0	4.10	17.8	0.06	1	0.2	10.6	<10	<2
SCP095843	Soil	0.61	12.4	0.6	<0.05	0.2	2.55	13.5	0.03	<1	0.2	6.4	<10	<2
SCP095732	Soil	0.52	10.5	0.4	<0.05	0.7	2.86	10.0	0.04	<1	0.1	5.6	<10	<2
SCP095733	Soil	0.54	11.0	0.4	<0.05	2.4	1.66	18.1	0.08	1	0.3	7.6	<10	<2
SCP095734	Soil	0.47	6.4	0.4	<0.05	3.9	2.74	15.5	0.05	1	0.4	5.6	<10	<2
SCP095735	Soil	1.49	7.1	0.5	<0.05	5.0	8.14	17.8	0.06	<1	0.4	7.8	<10	<2
SCP095736	Soil	0.70	11.9	0.4	<0.05	2.4	1.83	15.6	0.05	<1	0.3	7.7	<10	<2
SCP095737	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095739	Soil	1.62	12.0	0.6	<0.05	2.4	3.30	14.3	0.05	1	0.6	15.3	<10	<2
SCP095740	Soil	0.82	15.0	0.6	<0.05	2.2	2.42	10.1	0.05	1	0.4	12.1	<10	<2
SCP095741	Soil	0.26	11.6	0.3	<0.05	2.3	1.77	12.5	0.05	<1	0.3	5.5	<10	<2
SCP095742	Soil	0.33	10.2	0.4	<0.05	1.0	4.30	13.9	0.07	<1	0.1	4.8	<10	<2
SCP095743	Soil	0.24	13.9	0.4	<0.05	2.7	2.46	15.0	0.07	<1	0.4	7.0	<10	<2
SCP095744	Soil	0.59	10.4	0.5	<0.05	0.9	4.04	16.9	0.04	<1	0.1	2.5	<10	<2
SCP095745	Soil	0.41	9.0	0.5	<0.05	2.8	1.79	11.0	0.07	1	0.2	6.3	<10	<2
SCP095746	Soil	0.23	13.1	0.4	<0.05	3.0	1.60	12.6	0.05	2	0.2	4.9	<10	<2
SCP095591	Soil	0.86	14.6	0.6	<0.05	3.6	2.02	14.3	0.10	<1	0.3	9.7	<10	<2
SCP095592	Soil	1.27	17.3	0.6	<0.05	2.5	2.02	12.5	0.07	<1	0.4	17.6	<10	<2
SCP095593	Rock Pulp	0.07	36.4	1.9	<0.05	1.8	8.79	19.1	0.05	352	0.5	4.8	<10	<2
SCP095594	Soil	0.60	14.0	0.5	<0.05	3.9	5.13	15.1	0.09	<1	0.2	8.4	<10	<2
SCP095595	Soil	2.50	15.7	1.1	<0.05	4.0	2.25	12.9	0.09	1	0.5	16.6	<10	<2

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS SMI11000234.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	0.01	0.001
SCP095596	Soil	2.57	181.1	27.47	90.8	1669	18.5	5.8	251	4.68	28.4	0.9	9.5	1.5	17.2	0.21	1.34	1.91	81	0.10	0.054
SCP095597	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095598	Soil	1.42	14.96	16.83	66.9	668	9.9	3.0	130	2.66	11.7	0.3	3.7	0.7	13.3	0.20	0.85	1.33	60	0.13	0.025
SCP095599	Soil	1.56	31.15	23.07	132.0	350	14.3	6.0	261	3.75	15.6	0.3	7.1	1.4	15.1	0.26	1.01	1.79	71	0.13	0.038
SCP095620	Soil	6.37	91.14	46.53	144.6	819	10.0	6.2	223	6.73	40.8	0.6	14.3	2.1	30.9	0.30	3.44	1.70	84	0.08	0.253
SCP095621	Soil	7.80	43.24	27.34	57.5	599	5.2	2.7	146	6.20	30.0	0.4	4.5	1.3	29.1	0.15	2.07	1.81	77	0.07	0.116
SCP095622	Soil	3.79	34.50	20.14	67.3	604	5.3	3.1	135	3.96	16.1	0.4	4.0	1.4	20.3	0.20	0.93	1.12	57	0.10	0.141
SCP095623	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095624	Soil	7.28	101.0	21.15	55.4	1227	6.2	2.8	136	4.55	24.9	0.6	11.4	2.6	35.7	0.10	1.38	2.05	54	0.13	0.074
SCP095625	Soil	9.67	110.8	21.58	47.9	532	8.5	3.6	161	4.99	30.1	0.5	12.4	2.5	34.9	0.05	2.21	1.56	51	0.04	0.149
SCP095626	Soil	4.54	64.56	12.70	18.6	859	2.7	1.4	56	18.27	22.6	0.4	5.4	1.6	4.2	0.02	2.34	1.60	85	0.02	0.203
SCP095627	Soil	5.40	47.32	33.57	21.5	1532	3.4	1.9	100	13.77	21.4	0.8	18.7	3.0	17.7	0.03	2.95	2.19	142	0.04	0.199
SCP095628	Soil	4.16	38.99	28.61	34.5	975	7.5	2.5	145	4.27	19.3	0.4	8.7	1.3	27.5	0.05	1.69	2.09	82	0.06	0.159
SCP095629	Soil	5.39	45.52	23.91	34.3	1136	6.7	2.1	138	6.97	22.1	0.3	15.3	1.0	34.3	0.13	3.27	2.75	120	0.05	0.136
SCP095630	Rock Pulp	135.8	3549	45.37	117.3	3461	24.1	18.7	476	4.44	73.8	0.6	903.1	2.0	28.3	0.85	6.25	0.65	86	0.35	0.092
SCP095631	Soil	6.43	23.18	24.22	37.9	508	5.1	1.8	115	6.21	21.9	0.3	6.2	1.2	31.3	0.08	2.55	2.30	114	0.07	0.187
SCP095632	Soil	4.50	61.09	22.27	59.4	593	12.2	4.0	172	4.91	28.8	0.5	10.5	1.9	21.0	0.11	1.80	1.80	67	0.07	0.215
SCP095633	Soil	3.82	58.93	16.10	43.3	1306	5.7	2.3	116	7.96	26.3	0.8	16.1	1.0	7.6	0.10	1.91	1.75	79	0.05	0.176
SCP095634	Soil	2.29	24.66	29.31	225.9	445	19.9	7.2	331	4.06	88.1	0.3	6.5	1.4	9.1	0.48	1.75	1.20	74	0.09	0.097
SCP095635	Soil	2.36	40.98	29.34	757.8	511	88.5	11.3	385	4.14	49.9	0.4	6.9	1.1	25.7	1.02	1.42	1.50	65	0.62	0.055
SCP095636	Soil	2.35	28.77	13.32	125.7	470	13.0	6.4	212	2.66	8.4	0.4	11.0	0.8	12.3	0.64	0.49	0.83	53	0.15	0.077
SCP095637	Soil	2.69	20.50	14.41	80.2	226	9.9	4.8	228	2.81	13.3	0.3	5.6	1.2	14.2	0.29	0.56	0.86	61	0.13	0.167
SCP095638	Soil	2.00	31.38	15.14	76.4	250	13.5	6.5	243	2.91	15.1	0.4	6.3	0.9	15.3	0.26	0.81	0.80	59	0.18	0.137
SCP095639	Soil	2.14	36.83	15.57	81.2	224	16.0	9.6	276	3.03	17.9	0.4	5.6	1.1	15.1	0.26	0.87	0.90	62	0.18	0.119
SCP095833	Soil	3.08	110.1	32.62	149.8	1300	18.6	17.0	405	4.26	23.6	0.7	10.4	1.3	22.1	0.36	1.40	2.34	60	0.13	0.086
SCP095834	Soil	6.10	72.83	31.06	45.0	664	11.6	3.7	167	6.11	30.9	0.6	11.9	1.5	55.8	0.16	2.32	2.58	82	0.14	0.120
SCP095835	Rock Pulp	151.1	3652	52.07	125.4	3855	25.5	21.6	497	4.59	88.3	0.7	1246	2.2	31.7	0.90	7.30	0.80	92	0.36	0.105
SCP095836	Soil	4.49	84.45	30.53	45.9	1212	11.7	4.2	183	5.16	23.7	1.1	17.5	1.8	25.3	0.05	2.05	1.62	67	0.10	0.073
SCP095837	Soil	5.45	98.98	28.43	58.9	724	15.0	4.8	240	5.48	38.0	0.7	32.5	3.2	31.9	0.09	3.36	2.72	72	0.06	0.104
SCP096101	Soil	1.63	16.67	17.53	219.0	293	16.1	6.9	275	3.13	29.3	0.3	49.2	1.0	17.3	1.14	0.88	1.04	67	0.17	0.124

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SCP095596	Soil	9.8	34.4	0.56	70.2	0.042	1	2.76	0.012	0.09	0.5	4.2	0.29	0.06	112	0.4	0.54	9.0	4.40	<0.1	0.02
SCP095597	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095598	Soil	5.7	18.4	0.23	40.2	0.033	<1	1.07	0.010	0.04	0.4	1.7	0.14	0.03	58	0.1	0.35	6.6	2.09	<0.1	<0.02
SCP095599	Soil	7.2	27.5	0.45	103.3	0.040	1	1.74	0.011	0.08	0.3	2.9	0.15	0.03	24	<0.1	0.45	7.7	2.58	<0.1	0.06
SCP095620	Soil	7.0	27.7	0.57	267.2	0.053	<1	2.74	0.018	0.12	1.5	4.7	0.19	0.17	76	0.9	0.62	8.0	2.81	<0.1	0.05
SCP095621	Soil	7.3	18.3	0.28	231.8	0.048	<1	1.39	0.017	0.09	1.7	2.3	0.17	0.14	44	0.6	0.54	9.0	1.94	<0.1	<0.02
SCP095622	Soil	7.8	16.7	0.19	166.0	0.016	<1	1.76	0.011	0.06	0.9	2.0	0.15	0.06	42	0.3	0.27	5.9	2.12	<0.1	0.03
SCP095623	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095624	Soil	10.1	18.1	0.31	202.9	0.011	<1	2.73	0.011	0.09	1.0	3.4	0.27	0.10	129	0.5	0.31	6.3	2.25	<0.1	0.05
SCP095625	Soil	9.2	17.3	0.33	248.8	0.018	<1	2.49	0.021	0.11	1.9	2.7	0.20	0.19	115	0.8	0.58	4.8	2.94	<0.1	0.08
SCP095626	Soil	3.6	19.6	0.10	26.5	0.103	<1	0.66	0.003	0.03	1.8	1.2	0.19	0.09	47	0.6	0.78	13.0	2.32	<0.1	0.03
SCP095627	Soil	6.2	22.5	0.28	135.2	0.122	<1	0.92	0.014	0.11	0.9	3.1	0.23	0.17	157	1.0	0.77	14.8	3.21	<0.1	0.04
SCP095628	Soil	9.1	20.6	0.44	203.8	0.035	<1	1.75	0.015	0.08	1.1	3.0	0.27	0.11	44	0.4	0.52	7.8	2.98	<0.1	0.05
SCP095629	Soil	5.6	23.3	0.55	156.2	0.066	<1	2.17	0.021	0.09	2.0	4.1	0.22	0.16	156	1.0	1.27	9.5	1.74	<0.1	0.03
SCP095630	Rock Pulp	9.7	33.1	0.66	35.7	0.062	1	1.03	0.025	0.63	11.0	6.2	0.53	2.40	136	6.3	1.09	4.1	2.77	0.1	0.06
SCP095631	Soil	8.3	21.0	0.38	169.8	0.064	2	1.48	0.018	0.07	1.7	2.6	0.19	0.13	53	0.4	0.92	10.8	1.84	<0.1	0.03
SCP095632	Soil	8.5	31.0	0.38	141.4	0.046	<1	2.92	0.012	0.07	1.4	3.2	0.18	0.10	149	0.7	0.62	6.9	3.68	<0.1	0.08
SCP095633	Soil	7.6	20.2	0.24	37.6	0.049	<1	1.34	0.007	0.06	0.8	2.6	0.22	0.05	61	0.2	0.41	8.2	3.50	0.1	0.03
SCP095634	Soil	5.8	35.6	0.41	60.7	0.023	<1	2.09	0.009	0.04	0.4	2.8	0.17	<0.02	45	<0.1	0.29	7.5	4.25	<0.1	0.04
SCP095635	Soil	6.4	34.0	0.58	67.2	0.033	<1	2.50	0.013	0.05	0.3	3.2	0.16	0.03	20	0.7	0.44	6.6	6.29	<0.1	0.02
SCP095636	Soil	5.8	21.9	0.37	58.5	0.049	<1	1.61	0.010	0.05	0.6	2.4	0.09	<0.02	33	0.1	0.13	5.7	2.39	<0.1	<0.02
SCP095637	Soil	6.0	21.9	0.33	91.5	0.038	<1	1.32	0.011	0.04	0.5	2.3	0.08	<0.02	22	0.2	0.17	5.6	1.85	<0.1	<0.02
SCP095638	Soil	6.5	25.5	0.43	73.7	0.036	1	1.51	0.009	0.05	0.4	3.0	0.08	<0.02	27	0.2	0.17	5.0	1.80	<0.1	<0.02
SCP095639	Soil	6.9	27.1	0.47	90.2	0.042	2	1.66	0.009	0.05	0.4	3.3	0.08	<0.02	21	0.2	0.17	4.9	1.99	<0.1	<0.02
SCP095833	Soil	7.4	26.6	0.48	159.9	0.016	1	3.14	0.005	0.10	0.7	3.9	0.27	0.06	73	0.4	0.56	7.4	4.27	<0.1	<0.02
SCP095834	Soil	8.8	29.4	0.47	300.2	0.062	1	1.65	0.012	0.13	0.9	3.4	0.20	0.19	43	0.9	0.75	9.1	2.92	<0.1	0.03
SCP095835	Rock Pulp	10.3	37.6	0.69	44.1	0.067	2	1.08	0.026	0.68	12.1	7.1	0.59	2.54	143	7.1	1.33	4.3	3.09	<0.1	0.05
SCP095836	Soil	8.3	29.8	0.49	135.8	0.045	1	1.86	0.007	0.09	0.8	3.6	0.22	0.07	78	0.9	0.58	7.3	3.05	<0.1	<0.02
SCP095837	Soil	9.7	36.8	0.67	264.8	0.032	1	3.41	0.010	0.14	1.7	5.2	0.29	0.18	163	1.5	0.88	7.2	3.56	<0.1	0.29
SCP096101	Soil	6.0	31.1	0.45	80.3	0.051	1	1.54	0.009	0.05	0.4	2.9	0.08	<0.02	25	0.2	0.21	6.8	2.47	<0.1	<0.02

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	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SCP095596	Soil	1.20	14.7	0.6	<0.05	0.8	7.97	18.0	0.11	<1	0.3	13.4	<10	<2
SCP095597	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095598	Soil	1.69	7.2	0.7	<0.05	0.6	1.68	10.4	0.03	<1	0.1	4.8	<10	<2
SCP095599	Soil	0.83	14.7	0.7	<0.05	1.9	2.51	13.0	0.05	<1	0.2	9.9	<10	<2
SCP095620	Soil	0.55	13.3	0.5	<0.05	2.3	2.01	11.4	0.07	<1	0.5	10.5	<10	<2
SCP095621	Soil	1.44	12.4	0.7	<0.05	0.9	1.38	11.7	0.05	<1	0.2	3.7	<10	<2
SCP095622	Soil	0.85	13.8	0.5	<0.05	1.1	1.55	13.0	0.05	1	0.3	8.6	<10	<2
SCP095623	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095624	Soil	0.52	14.0	0.5	<0.05	2.0	1.83	16.9	0.08	<1	0.5	9.7	<10	<2
SCP095625	Soil	0.38	13.3	0.4	<0.05	2.6	1.36	13.6	0.07	<1	0.4	7.4	<10	<2
SCP095626	Soil	1.07	5.0	0.7	<0.05	1.6	1.10	6.8	0.05	<1	<0.1	0.5	<10	<2
SCP095627	Soil	0.57	7.5	0.8	<0.05	2.0	2.74	11.8	0.05	<1	<0.1	1.2	<10	<2
SCP095628	Soil	0.95	9.1	0.7	<0.05	1.8	1.54	14.5	0.03	<1	0.2	4.5	<10	<2
SCP095629	Soil	0.82	9.8	0.6	<0.05	1.1	1.29	9.2	0.05	<1	0.2	3.2	<10	<2
SCP095630	Rock Pulp	0.05	34.4	1.8	<0.05	1.8	8.43	18.4	0.05	318	0.4	4.7	<10	<2
SCP095631	Soil	2.61	8.7	0.9	<0.05	1.2	1.29	13.1	0.05	<1	0.2	3.5	<10	<2
SCP095632	Soil	1.82	9.4	0.6	<0.05	3.7	1.68	13.9	0.08	3	0.3	10.8	<10	<2
SCP095633	Soil	0.93	8.9	0.6	<0.05	0.9	4.82	15.2	0.07	<1	0.2	1.3	<10	<2
SCP095634	Soil	1.26	11.6	0.6	<0.05	1.5	2.23	11.0	0.06	<1	0.3	16.4	<10	<2
SCP095635	Soil	1.48	12.2	0.5	<0.05	0.9	3.67	12.1	0.11	<1	0.5	27.4	<10	<2
SCP095636	Soil	0.81	15.1	0.5	<0.05	0.3	2.62	11.2	0.03	<1	0.3	10.2	<10	<2
SCP095637	Soil	0.84	11.1	0.5	<0.05	0.9	2.28	11.3	0.03	<1	0.2	10.4	<10	<2
SCP095638	Soil	0.49	12.0	0.4	<0.05	0.5	3.32	12.4	0.05	<1	0.2	12.5	<10	<2
SCP095639	Soil	0.44	12.5	0.3	<0.05	0.5	3.70	13.0	0.04	<1	0.4	13.4	<10	<2
SCP095833	Soil	1.88	17.2	0.7	<0.05	0.9	5.21	13.9	0.09	<1	0.8	19.0	<10	<2
SCP095834	Soil	1.34	10.2	0.7	<0.05	1.5	3.46	13.6	0.07	<1	0.2	5.7	<10	<2
SCP095835	Rock Pulp	0.07	40.9	2.2	<0.05	2.1	9.33	19.4	0.05	352	0.5	5.3	<10	<2
SCP095836	Soil	1.19	8.3	0.5	<0.05	1.4	4.00	15.2	0.07	<1	0.2	7.1	<10	<2
SCP095837	Soil	0.73	15.0	0.6	<0.05	12.8	2.33	16.1	0.09	<1	0.4	10.3	<10	<2
SCP096101	Soil	0.69	18.0	0.5	<0.05	0.7	2.59	11.0	0.05	<1	0.2	15.7	<10	<2

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS SMI11000234.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	0.01	0.001
SCP096102	Soil	1.99	24.87	16.58	118.4	364	17.7	8.6	311	3.10	24.4	0.3	3.0	1.1	13.3	0.38	0.71	0.92	63	0.15	0.149
SCP096103	Soil	1.62	20.45	17.83	116.1	220	17.7	7.9	250	3.74	31.0	0.3	22.1	1.3	12.4	0.30	0.91	1.18	80	0.12	0.092
SCP096104	Soil	1.85	27.51	20.65	130.6	114	17.6	7.7	276	3.69	42.5	0.4	5.5	1.2	13.6	0.24	1.09	1.71	71	0.11	0.095
SCP096105	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096106	Soil	2.24	62.46	19.67	144.8	216	21.6	10.0	518	3.43	22.4	0.6	6.6	0.6	26.2	0.47	1.11	1.76	67	0.30	0.061
SCP096107	Soil	1.61	48.73	23.79	77.5	565	23.6	6.1	279	3.36	18.1	0.4	9.2	0.7	28.7	0.13	1.25	2.49	63	0.16	0.079
SCP096108	Soil	1.41	20.09	18.30	78.4	324	7.8	5.8	566	2.78	15.0	0.3	8.4	0.4	11.9	0.32	0.96	2.01	60	0.11	0.064
SCP096109	Soil	1.77	47.31	20.47	81.2	923	16.1	6.4	303	3.38	24.2	0.4	5.7	0.8	20.2	0.20	1.36	1.80	67	0.14	0.072
SCP096110	Soil	2.10	74.49	23.92	116.4	815	19.8	11.1	588	3.90	28.2	0.4	11.7	1.0	19.3	0.25	1.40	2.05	69	0.17	0.099
SCP096111	Soil	1.83	45.90	22.35	121.9	504	17.8	8.9	354	4.04	28.1	0.4	4.1	1.0	14.3	0.31	1.19	1.79	73	0.12	0.110
SCP096112	Soil	2.95	69.17	18.67	87.9	494	15.8	13.9	1076	3.20	18.2	0.4	5.7	0.9	23.3	0.30	1.18	1.55	61	0.20	0.081
SCP096113	Soil	2.25	83.58	16.96	131.8	1457	26.0	17.0	731	3.38	17.0	0.5	5.2	0.7	20.4	0.36	1.08	1.47	59	0.19	0.087
SCP096114	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096115	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096116	Soil	2.37	40.45	21.17	44.3	390	9.2	3.6	180	2.81	15.0	0.4	14.1	1.1	22.9	0.07	1.19	1.53	58	0.12	0.058
SCP096117	Soil	4.04	104.1	27.80	69.6	806	14.1	5.4	222	4.39	25.3	0.7	10.1	1.9	29.4	0.12	1.80	2.25	65	0.09	0.098
SCP096118	Soil	2.87	79.27	21.54	83.3	1373	14.9	6.0	229	3.30	18.0	0.6	11.5	1.4	18.6	0.26	1.19	1.48	56	0.09	0.073
SCP096119	Soil	3.36	64.87	23.79	96.6	722	27.8	11.3	329	4.46	24.7	0.5	9.4	1.4	19.7	0.15	1.47	1.62	75	0.11	0.108
SCP096120	Soil	3.60	75.09	24.22	96.6	707	19.6	10.5	283	4.58	25.9	0.5	6.9	1.6	19.3	0.19	1.58	1.76	70	0.09	0.106
SCP096121	Soil	2.04	33.93	16.37	59.4	458	12.0	5.3	255	2.49	11.8	0.4	13.7	0.9	21.0	0.12	0.85	1.29	58	0.19	0.054
SCP096122	Soil	3.29	123.2	30.10	87.5	1678	20.8	10.0	359	3.51	16.4	1.6	7.0	0.3	42.5	0.28	0.87	1.90	58	0.37	0.101
SCP096001	Soil	3.17	108.6	34.91	84.7	885	17.6	11.4	310	3.58	13.4	0.5	6.1	0.8	36.1	0.18	1.12	1.59	63	0.22	0.096
SCP096002	Soil	3.33	57.92	31.07	52.4	562	14.1	4.1	215	3.45	19.7	0.4	9.2	1.2	36.3	0.12	1.29	1.94	71	0.10	0.084
SCP096003	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096123	Soil	5.67	69.10	15.16	30.7	378	2.7	1.7	43	>40	17.9	0.4	1.2	0.6	2.9	0.19	1.63	1.30	50	0.01	0.252
SCP096124	Soil	4.37	89.72	24.10	40.6	1343	6.0	2.5	106	11.09	25.3	0.8	7.6	1.3	8.0	0.07	2.12	1.67	74	0.04	0.151
SCP096125	Soil	4.40	108.2	14.96	53.7	456	6.7	3.0	120	9.63	23.0	0.4	6.9	1.0	11.5	0.09	1.59	1.36	61	0.05	0.095
SCP096126	Rock Pulp	144.7	3601	50.17	127.6	3647	24.5	19.6	494	4.61	87.0	0.7	949.7	2.2	31.8	0.90	7.49	0.75	91	0.37	0.109
SCP096127	Soil	5.53	23.33	14.39	46.5	171	10.7	3.8	207	2.20	9.5	0.4	4.3	1.1	20.5	0.11	0.81	1.21	51	0.14	0.034
SCP096128	Soil	3.68	29.37	18.38	48.7	236	10.9	3.4	183	3.60	21.0	0.3	3.9	1.0	11.5	0.15	1.22	1.28	62	0.07	0.096

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CERTIFICATE OF ANALYSIS SMI11000234.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SCP096102	Soil	5.8	30.0	0.45	62.0	0.050	1	1.65	0.008	0.06	0.5	2.8	0.07	0.02	38	0.2	0.22	5.9	2.23	<0.1	0.02
SCP096103	Soil	5.5	35.0	0.45	76.2	0.055	1	1.92	0.008	0.05	0.5	2.9	0.10	<0.02	30	0.2	0.30	7.5	2.73	<0.1	0.06
SCP096104	Soil	5.9	31.3	0.47	96.0	0.037	1	2.02	0.007	0.05	0.4	3.1	0.12	0.02	33	0.2	0.46	7.3	2.86	<0.1	0.03
SCP096105	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096106	Soil	9.1	34.4	0.73	133.1	0.044	1	2.01	0.010	0.08	0.4	3.5	0.13	0.03	18	0.2	0.41	6.4	2.76	<0.1	<0.02
SCP096107	Soil	6.5	38.7	0.80	140.9	0.033	<1	2.09	0.010	0.10	0.4	3.5	0.21	0.07	24	0.3	0.66	7.1	2.70	<0.1	<0.02
SCP096108	Soil	5.5	19.7	0.32	83.0	0.024	<1	1.16	0.007	0.04	0.5	2.2	0.12	<0.02	19	0.1	0.32	5.9	1.99	<0.1	<0.02
SCP096109	Soil	6.2	30.1	0.59	110.2	0.039	1	1.78	0.009	0.08	0.5	3.5	0.14	0.04	50	0.2	0.52	6.5	2.32	<0.1	<0.02
SCP096110	Soil	6.1	31.6	0.59	104.5	0.033	<1	1.99	0.007	0.09	0.6	3.8	0.16	0.04	31	0.3	0.62	6.7	3.46	<0.1	<0.02
SCP096111	Soil	6.2	31.6	0.49	97.9	0.033	1	2.11	0.006	0.07	0.5	3.4	0.14	0.03	37	0.3	0.47	7.9	2.83	<0.1	<0.02
SCP096112	Soil	7.0	30.0	0.60	97.8	0.035	1	1.89	0.009	0.08	0.5	3.6	0.17	0.03	30	0.4	0.39	5.9	3.17	<0.1	<0.02
SCP096113	Soil	8.7	32.5	0.61	112.1	0.021	<1	2.38	0.008	0.08	0.4	3.5	0.24	0.03	40	0.3	0.34	6.7	3.01	<0.1	<0.02
SCP096114	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096115	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096116	Soil	6.3	20.6	0.44	102.4	0.051	<1	1.30	0.009	0.06	0.5	3.4	0.16	0.04	21	0.3	0.33	5.7	1.91	<0.1	0.03
SCP096117	Soil	9.5	31.3	0.49	174.5	0.031	<1	2.92	0.006	0.09	0.8	4.0	0.22	0.06	83	0.5	0.59	7.1	3.13	<0.1	0.07
SCP096118	Soil	7.4	28.2	0.49	108.1	0.022	<1	2.59	0.005	0.08	0.5	3.9	0.20	0.03	117	0.4	0.33	6.6	3.30	<0.1	<0.02
SCP096119	Soil	6.2	38.5	0.83	129.8	0.044	1	2.88	0.008	0.11	0.6	4.4	0.22	0.05	53	0.5	0.55	8.0	3.79	<0.1	0.06
SCP096120	Soil	6.6	34.5	0.61	133.8	0.025	<1	3.04	0.006	0.09	0.6	4.2	0.22	0.05	62	0.5	0.56	7.5	3.46	<0.1	0.08
SCP096121	Soil	7.6	25.9	0.61	73.5	0.056	<1	1.41	0.010	0.06	0.4	3.8	0.14	0.03	22	0.2	0.23	5.6	1.74	<0.1	<0.02
SCP096122	Soil	10.7	37.1	0.70	164.6	0.015	<1	3.03	0.008	0.14	0.4	4.0	0.39	0.06	116	0.6	0.35	7.7	3.91	<0.1	<0.02
SCP096001	Soil	9.6	33.8	0.68	191.9	0.042	<1	2.46	0.012	0.09	0.4	4.2	0.28	0.05	26	0.4	0.27	8.7	3.75	<0.1	<0.02
SCP096002	Soil	9.9	32.0	0.69	243.2	0.052	<1	2.15	0.008	0.08	0.6	4.0	0.22	0.05	40	0.4	0.34	8.1	3.20	<0.1	0.03
SCP096003	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096123	Soil	1.7	9.1	0.02	28.7	0.030	<1	0.59	0.003	0.03	0.6	0.9	0.06	0.10	21	0.5	0.32	4.6	0.79	0.2	0.08
SCP096124	Soil	5.6	22.9	0.23	40.1	0.070	<1	1.14	0.005	0.05	0.7	2.4	0.21	0.07	42	0.4	0.51	8.2	3.66	<0.1	0.03
SCP096125	Soil	5.7	20.6	0.25	60.7	0.034	<1	1.43	0.006	0.07	0.5	2.4	0.16	0.07	26	0.8	0.40	6.4	3.12	<0.1	<0.02
SCP096126	Rock Pulp	10.3	37.2	0.69	44.8	0.065	2	1.09	0.027	0.69	12.2	6.9	0.59	2.52	141	6.8	1.27	4.6	3.15	<0.1	0.06
SCP096127	Soil	7.1	22.8	0.54	60.3	0.055	<1	1.27	0.010	0.05	0.5	2.9	0.13	0.03	13	0.4	0.21	5.2	2.12	<0.1	0.02
SCP096128	Soil	4.7	24.4	0.40	55.3	0.022	1	1.76	0.007	0.06	0.6	2.1	0.12	<0.02	59	0.3	0.38	5.8	2.16	<0.1	0.03

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Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS SMI11000234.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SCP096102	Soil	0.99	21.9	0.4	<0.05	1.0	2.55	10.9	0.04	<1	0.3	14.2	<10	<2
SCP096103	Soil	1.03	13.4	0.5	<0.05	2.0	2.33	10.4	0.05	<1	0.4	15.0	<10	<2
SCP096104	Soil	1.43	13.5	0.6	<0.05	1.5	2.52	11.2	0.05	<1	0.4	13.4	<10	<2
SCP096105	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096106	Soil	0.74	16.4	0.5	<0.05	0.3	6.74	17.1	0.05	1	0.4	13.4	<10	<2
SCP096107	Soil	0.51	17.7	0.5	<0.05	0.3	3.17	12.0	0.06	<1	0.3	9.0	<10	<2
SCP096108	Soil	0.38	13.8	0.5	<0.05	0.2	2.34	10.5	0.04	<1	0.2	5.5	<10	<2
SCP096109	Soil	0.46	13.5	0.5	<0.05	0.5	3.31	11.6	0.06	<1	0.2	8.2	<10	<2
SCP096110	Soil	0.42	16.1	0.5	<0.05	0.4	3.86	12.0	0.05	<1	0.4	11.9	<10	<2
SCP096111	Soil	0.98	15.4	0.6	<0.05	0.4	3.03	12.1	0.05	<1	0.3	14.3	<10	<2
SCP096112	Soil	0.38	19.1	0.5	<0.05	0.3	3.57	14.3	0.04	<1	0.3	9.7	<10	<2
SCP096113	Soil	0.66	19.9	0.5	<0.05	0.2	6.21	17.5	0.06	<1	0.6	15.1	<10	<2
SCP096114	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096115	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096116	Soil	0.49	11.7	0.5	<0.05	1.2	2.15	11.4	0.03	<1	0.1	4.5	<10	<2
SCP096117	Soil	0.76	12.7	0.5	<0.05	3.1	3.79	16.6	0.07	<1	0.5	14.7	<10	<2
SCP096118	Soil	0.76	14.2	0.5	<0.05	1.1	3.07	13.1	0.06	<1	0.4	14.9	<10	<2
SCP096119	Soil	0.73	15.3	0.6	<0.05	2.5	3.25	11.8	0.07	<1	0.4	14.1	<10	<2
SCP096120	Soil	0.66	14.5	0.6	<0.05	3.0	3.42	12.2	0.07	<1	0.6	16.6	<10	<2
SCP096121	Soil	0.48	11.8	0.5	<0.05	0.5	3.60	14.4	0.04	<1	0.2	7.6	<10	<2
SCP096122	Soil	0.69	19.3	0.6	<0.05	0.3	10.02	20.9	0.06	2	0.5	8.4	<10	<2
SCP096001	Soil	2.77	15.9	1.4	<0.05	0.6	4.58	17.3	0.05	<1	0.4	20.4	<10	<2
SCP096002	Soil	1.05	13.0	0.7	<0.05	1.6	2.42	16.7	0.05	<1	0.2	9.9	<10	<2
SCP096003	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096123	Soil	1.31	4.4	0.7	<0.05	4.7	1.24	3.7	0.03	<1	0.2	0.6	<10	<2
SCP096124	Soil	2.41	8.1	1.0	<0.05	2.2	2.96	11.0	0.06	<1	<0.1	1.6	<10	<2
SCP096125	Soil	0.45	12.5	0.5	<0.05	0.4	3.45	11.8	0.05	<1	0.4	3.7	<10	<2
SCP096126	Rock Pulp	0.08	41.2	2.3	<0.05	2.1	9.23	20.1	0.05	346	0.5	5.4	<10	<2
SCP096127	Soil	0.45	10.7	0.5	<0.05	0.8	2.77	13.3	0.04	<1	0.1	5.6	<10	<2
SCP096128	Soil	0.39	9.5	0.4	<0.05	1.1	1.53	8.4	0.05	<1	0.2	8.6	<10	<2

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS SMI11000234.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	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	0.01	0.001
SCP096129	Soil		12.42	27.55	13.64	53.6	148	12.6	5.3	230	3.02	12.1	0.3	7.6	1.0	21.2	0.08	1.33	1.60	52	0.12	0.043
SCP096130	Soil		2.22	37.39	16.89	80.8	202	15.7	6.6	249	3.11	16.5	0.3	5.9	1.2	13.5	0.15	0.96	1.32	56	0.08	0.070
SCP096131	Soil		3.01	84.51	23.82	74.3	833	18.6	5.4	229	5.31	21.0	0.6	20.8	2.3	28.0	0.08	1.57	1.39	59	0.04	0.153
SCP096132	Soil		4.92	80.26	32.48	122.7	1535	26.4	8.6	348	4.90	30.8	0.6	24.8	1.7	16.9	0.26	1.70	2.18	72	0.07	0.130
SCP096133	Soil		0.32	2.06	6.54	14.5	98	4.2	0.9	96	0.13	5.6	2.6	3.0	0.1	301.1	0.38	3.06	0.07	13	20.30	0.012
SCP096134	Soil		3.38	72.73	21.98	102.3	208	21.6	9.1	420	4.44	31.0	0.5	4.5	1.3	25.8	0.18	1.55	2.17	71	0.17	0.075
SCP096135	Soil		1.75	28.61	17.96	169.4	647	14.8	9.0	246	3.10	15.6	0.3	4.4	1.1	17.3	0.28	0.93	1.43	52	0.11	0.116
SCP096136	Soil		1.76	19.49	17.11	103.8	599	11.9	5.4	235	3.93	19.9	0.3	2.4	1.2	8.3	0.28	0.90	1.42	64	0.07	0.186
SP096137	Soil		2.34	76.70	16.75	79.4	163	20.8	6.6	260	3.22	11.9	0.6	4.5	0.6	16.0	0.10	0.82	0.41	41	0.10	0.074
SCP096004	Soil		3.45	86.26	25.78	68.0	586	15.0	5.4	252	3.89	25.8	0.7	11.9	1.6	23.8	0.14	1.52	1.41	56	0.07	0.084
SCP096005	Soil		2.52	50.25	24.59	58.9	1011	14.4	5.1	272	3.21	17.0	0.4	4.4	0.8	32.3	0.12	1.04	1.97	59	0.22	0.061
SCP096006	Soil		2.02	89.03	25.72	77.3	2580	18.3	11.1	290	3.36	13.9	0.8	7.6	1.1	24.4	0.22	0.99	1.95	51	0.21	0.091
SCP096007	Soil		2.58	66.15	20.85	63.8	671	15.7	4.8	250	3.21	17.9	0.6	15.9	0.5	24.8	0.11	1.03	1.58	58	0.24	0.048
SCP096008	Soil		2.32	45.97	12.35	47.6	610	15.1	3.2	188	2.40	12.8	0.4	7.4	0.5	18.6	0.10	0.79	1.00	49	0.30	0.030
SCP096009	Soil		1.59	32.95	14.74	117.3	1198	23.8	7.8	253	3.55	31.0	0.3	2.4	1.0	13.9	0.32	1.08	0.71	72	0.10	0.068
SCP096010	Soil		0.96	13.06	14.88	201.8	286	11.5	5.0	186	2.64	13.6	0.2	18.2	0.9	11.9	0.77	0.64	0.90	65	0.18	0.043
SCP096011	Soil		1.49	73.09	21.88	356.0	540	43.7	11.9	331	3.74	23.6	0.3	11.5	0.8	24.5	0.63	1.21	1.49	69	0.35	0.073
SCP096012	Soil		1.55	28.81	18.70	202.8	358	20.7	9.2	336	4.35	37.5	0.3	5.9	1.3	16.6	0.51	1.04	1.15	77	0.16	0.224
SCP096013	Soil		1.86	46.67	16.30	114.3	488	17.8	7.5	382	3.20	19.3	0.4	20.3	0.5	34.8	0.43	1.25	2.05	58	0.23	0.066
SCP096014	Soil		2.21	120.3	29.22	211.6	1200	40.5	18.3	1312	4.22	23.4	0.9	3.2	1.3	40.9	0.86	1.23	2.82	65	0.64	0.066
SCP096015	Soil		2.33	129.4	29.80	223.2	1200	42.5	19.5	1282	4.29	25.0	1.0	2.5	1.2	42.8	0.84	1.31	2.84	67	0.67	0.070
SCP096016	Soil		2.13	64.83	18.12	196.3	539	50.0	17.2	991	3.97	23.6	0.5	477.7	0.7	40.2	0.63	0.98	2.16	84	0.64	0.055
SCP096017	Soil		1.62	36.97	12.31	120.4	232	17.4	6.5	412	2.76	17.0	0.4	6.6	0.6	21.2	0.42	0.72	1.25	56	0.23	0.055
SCP096018	Soil		3.24	163.0	31.03	182.3	1322	30.7	16.7	909	4.22	27.8	1.3	30.0	0.5	50.8	0.69	1.45	2.84	67	0.40	0.083
SCP096019	Soil		3.49	88.61	20.51	181.6	483	24.3	11.8	555	4.10	28.7	0.6	18.3	0.8	27.4	0.42	1.15	1.93	74	0.27	0.085
SCP096020	Soil		1.70	43.89	12.28	117.7	395	22.8	8.4	481	2.64	11.6	0.4	4.4	0.7	26.8	0.25	0.77	0.94	54	0.22	0.038
SCP096021	Soil		1.98	72.36	16.92	109.7	717	20.5	6.9	428	2.87	13.9	0.6	9.3	0.6	28.2	0.46	0.75	1.29	56	0.24	0.061
SCP096022	Soil		2.12	86.25	15.34	122.4	554	23.2	7.9	447	2.95	13.0	0.7	5.0	0.7	24.3	0.33	0.82	1.15	54	0.22	0.057
SCP096023	Soil		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SCP096024	Soil		5.38	93.34	16.42	104.8	324	20.2	5.4	490	8.45	35.9	0.6	15.6	1.4	22.5	0.26	1.97	1.71	92	0.29	0.130

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Project: Poplar Regional
Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS SMI11000234.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SCP096129	Soil	5.7	21.8	0.55	64.2	0.027	<1	1.69	0.008	0.05	1.0	2.8	0.15	0.03	19	0.6	0.32	5.9	2.69	<0.1	0.02
SCP096130	Soil	5.8	24.8	0.49	119.6	0.027	2	2.16	0.008	0.05	0.4	2.7	0.14	<0.02	17	0.4	0.33	6.1	2.60	<0.1	0.04
SCP096131	Soil	8.4	30.1	0.57	258.5	0.033	<1	3.33	0.006	0.19	0.5	4.1	0.20	0.26	48	0.6	0.51	6.7	3.36	<0.1	0.10
SCP096132	Soil	8.6	39.6	0.84	134.8	0.033	1	3.54	0.006	0.10	0.6	5.1	0.24	0.11	53	0.6	0.61	9.6	4.38	<0.1	0.07
SCP096133	Soil	1.1	3.7	8.91	29.9	0.003	6	0.10	0.203	0.02	0.4	0.3	<0.02	0.41	<5	0.7	<0.02	0.3	0.06	0.1	<0.02
SCP096134	Soil	5.8	36.7	0.86	129.7	0.032	1	2.61	0.007	0.11	0.6	4.3	0.22	0.04	22	0.5	0.61	7.1	3.40	<0.1	0.02
SCP096135	Soil	6.4	25.0	0.43	115.3	0.028	1	2.44	0.006	0.06	0.7	3.1	0.16	0.03	31	0.3	0.35	6.2	3.29	<0.1	0.03
SCP096136	Soil	4.5	27.1	0.38	65.7	0.030	<1	2.91	0.004	0.05	0.6	2.8	0.11	0.03	81	0.3	0.60	7.8	2.60	<0.1	0.10
SP096137	Soil	8.0	13.5	0.22	92.1	0.007	<1	1.42	0.005	0.05	<0.1	1.8	0.07	0.03	28	0.6	0.18	3.2	1.65	<0.1	<0.02
SCP096004	Soil	6.5	27.6	0.56	167.2	0.038	1	2.98	0.007	0.09	0.6	3.7	0.17	0.08	77	0.6	0.37	5.5	2.85	<0.1	0.04
SCP096005	Soil	7.0	27.0	0.72	142.9	0.036	<1	2.00	0.012	0.09	0.6	3.2	0.20	0.05	41	0.4	0.49	6.3	2.32	<0.1	<0.02
SCP096006	Soil	8.7	26.0	0.57	126.5	0.020	<1	2.91	0.008	0.08	0.5	3.8	0.31	0.03	72	0.4	0.22	6.8	3.16	<0.1	<0.02
SCP096007	Soil	6.6	26.6	0.62	95.2	0.028	1	2.22	0.008	0.07	0.6	3.1	0.21	0.03	34	0.3	0.37	6.2	2.58	<0.1	<0.02
SCP096008	Soil	5.6	22.1	0.47	58.4	0.031	<1	1.36	0.009	0.05	0.5	2.4	0.14	<0.02	36	0.2	0.23	4.8	1.67	<0.1	<0.02
SCP096009	Soil	4.6	28.9	0.57	76.8	0.052	1	2.17	0.006	0.05	0.4	2.8	0.08	<0.02	29	0.1	0.20	5.8	3.20	<0.1	0.03
SCP096010	Soil	5.3	22.0	0.31	89.1	0.033	<1	1.17	0.007	0.04	0.2	1.9	0.07	<0.02	14	<0.1	0.19	6.3	1.68	<0.1	<0.02
SCP096011	Soil	5.9	32.8	0.63	136.9	0.029	1	2.59	0.007	0.08	0.3	3.1	0.11	0.03	27	0.2	0.39	7.5	5.86	<0.1	<0.02
SCP096012	Soil	4.9	32.0	0.59	121.8	0.048	<1	2.42	0.006	0.07	0.5	3.3	0.11	0.03	23	0.2	0.47	7.9	3.50	<0.1	0.04
SCP096013	Soil	7.3	29.6	0.67	118.4	0.026	<1	1.83	0.010	0.08	0.5	3.1	0.16	0.06	20	0.3	0.61	5.6	2.74	<0.1	<0.02
SCP096014	Soil	11.4	41.8	0.79	209.4	0.016	<1	3.31	0.010	0.09	0.4	4.9	0.24	0.02	45	0.3	0.55	9.9	5.61	<0.1	0.03
SCP096015	Soil	12.0	44.6	0.82	218.0	0.025	1	3.47	0.010	0.10	0.5	5.2	0.27	0.02	28	0.3	0.56	10.2	6.34	<0.1	0.04
SCP096016	Soil	7.6	67.5	1.63	146.5	0.072	<1	3.03	0.015	0.08	0.4	5.3	0.19	0.02	33	0.4	0.61	9.0	4.39	<0.1	<0.02
SCP096017	Soil	5.9	28.6	0.70	81.0	0.035	<1	1.79	0.010	0.06	0.4	2.8	0.10	<0.02	17	0.2	0.28	5.4	2.55	<0.1	<0.02
SCP096018	Soil	14.3	36.5	0.80	207.8	0.018	1	3.38	0.011	0.13	0.4	4.0	0.24	0.04	44	0.3	0.63	8.7	4.87	<0.1	<0.02
SCP096019	Soil	7.5	37.7	0.91	140.7	0.034	1	2.95	0.009	0.10	0.5	4.6	0.22	0.03	45	0.4	0.46	8.0	4.10	<0.1	<0.02
SCP096020	Soil	6.5	33.4	0.84	85.8	0.052	<1	1.98	0.008	0.05	0.3	3.5	0.13	<0.02	35	0.2	0.20	6.0	3.13	<0.1	<0.02
SCP096021	Soil	10.1	29.0	0.65	113.2	0.029	<1	2.06	0.009	0.07	0.4	3.4	0.13	<0.02	34	0.2	0.29	5.9	2.26	<0.1	<0.02
SCP096022	Soil	10.4	30.1	0.68	117.2	0.029	<1	2.42	0.010	0.08	0.3	3.8	0.19	0.02	45	0.3	0.30	6.4	3.40	<0.1	<0.02
SCP096023	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SCP096024	Soil	7.8	64.2	0.50	107.3	0.076	1	1.79	0.013	0.11	0.7	3.9	0.18	0.08	23	1.0	0.55	9.5	3.16	<0.1	<0.02

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Project: Poplar Regional
Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS SMI11000234.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SCP096129	Soil	0.63	9.6	0.5	<0.05	0.9	2.62	10.7	0.03	<1	0.2	8.8	<10	<2
SCP096130	Soil	0.69	11.1	0.5	<0.05	2.0	2.71	11.0	0.04	<1	0.4	11.6	<10	<2
SCP096131	Soil	0.75	12.2	0.5	<0.05	4.5	3.41	15.3	0.08	<1	0.3	17.4	<10	<2
SCP096132	Soil	1.39	16.1	0.7	<0.05	3.3	5.38	16.1	0.08	<1	0.4	19.2	<10	<2
SCP096133	Soil	0.10	0.7	0.3	<0.05	0.7	1.30	1.8	<0.02	2	0.2	1.5	<10	<2
SCP096134	Soil	0.54	14.9	0.5	<0.05	1.2	3.29	11.2	0.07	<1	0.5	14.6	<10	<2
SCP096135	Soil	0.85	15.5	0.4	<0.05	1.7	3.68	12.7	0.05	<1	0.4	12.3	<10	<2
SCP096136	Soil	2.12	13.0	0.6	<0.05	2.9	2.23	9.0	0.05	<1	0.4	13.2	<10	<2
SP096137	Soil	0.40	6.5	0.3	<0.05	0.4	6.39	17.2	0.03	<1	0.4	7.9	<10	<2
SCP096004	Soil	0.81	9.0	0.4	<0.05	2.2	3.43	11.8	0.06	<1	0.3	15.2	<10	<2
SCP096005	Soil	0.62	11.6	0.4	<0.05	0.5	3.64	13.0	0.04	<1	0.2	6.9	<10	<2
SCP096006	Soil	1.11	12.2	0.5	<0.05	0.8	6.55	17.3	0.05	<1	0.5	15.3	<10	<2
SCP096007	Soil	0.74	10.2	0.5	<0.05	0.3	5.26	13.0	0.05	<1	0.2	7.0	<10	<2
SCP096008	Soil	0.64	9.1	0.4	<0.05	0.5	5.75	10.7	0.04	<1	0.2	5.8	<10	<2
SCP096009	Soil	0.75	8.4	0.3	<0.05	1.3	2.76	9.0	0.05	<1	0.4	16.2	<10	<2
SCP096010	Soil	0.73	9.1	0.6	<0.05	0.5	2.34	10.1	0.03	<1	0.2	12.3	<10	<2
SCP096011	Soil	1.34	16.0	0.5	<0.05	0.7	3.68	11.9	0.10	<1	0.5	24.3	<10	<2
SCP096012	Soil	1.22	16.1	0.5	<0.05	1.4	3.14	10.1	0.07	<1	0.4	20.9	<10	<2
SCP096013	Soil	0.58	15.4	0.4	<0.05	0.3	6.37	14.9	0.04	<1	0.3	11.3	<10	<2
SCP096014	Soil	1.03	23.0	0.7	<0.05	1.3	10.49	20.9	0.11	<1	1.3	14.0	<10	<2
SCP096015	Soil	1.19	25.6	0.6	<0.05	1.1	10.61	21.0	0.07	1	1.0	15.6	<10	<2
SCP096016	Soil	0.81	17.4	0.6	<0.05	0.6	8.07	14.5	0.07	<1	0.5	21.3	<10	<2
SCP096017	Soil	0.47	11.7	0.4	<0.05	0.4	4.04	12.1	0.04	<1	0.4	12.8	<10	<2
SCP096018	Soil	0.77	25.4	0.5	<0.05	0.3	14.79	29.1	0.07	<1	1.1	17.5	<10	<2
SCP096019	Soil	0.94	16.0	0.5	<0.05	0.4	6.53	15.8	0.06	<1	0.5	18.4	<10	<2
SCP096020	Soil	0.53	13.9	0.4	<0.05	0.6	4.63	13.3	0.04	<1	0.4	15.5	<10	<2
SCP096021	Soil	0.61	12.7	0.5	<0.05	0.4	8.55	19.9	0.06	<1	0.4	11.9	<10	<2
SCP096022	Soil	0.56	15.2	0.4	<0.05	0.3	7.82	26.4	0.05	<1	0.7	13.7	<10	<2
SCP096023	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SCP096024	Soil	0.66	14.0	0.5	<0.05	1.1	7.45	12.5	0.06	<1	0.5	9.5	<10	<2

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS SMI11000234.1

		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		MDL	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	0.01	0.001
SCP096025	Soil		1.89	44.57	11.71	82.5	695	18.1	8.0	623	2.77	11.5	0.6	6.2	0.5	20.3	0.23	0.81	0.82	55	0.32	0.048
SCP096026	Soil		3.13	109.9	18.74	143.5	900	26.8	16.5	690	3.59	19.7	0.9	4.8	0.7	37.7	0.31	1.07	1.85	58	0.29	0.054
SCP096027	Soil		2.78	54.75	14.80	94.3	532	17.7	8.6	365	3.49	24.4	0.5	4.5	1.0	23.3	0.18	1.17	1.30	61	0.18	0.060
SCP096028	Soil		3.06	74.92	19.36	95.6	809	19.9	8.1	348	3.46	20.4	0.6	7.1	1.1	30.4	0.16	1.07	1.68	63	0.17	0.055
SCP096029	Soil		3.68	70.77	26.55	73.2	844	16.0	5.8	255	4.07	23.5	0.4	5.5	1.0	31.8	0.16	1.40	1.73	64	0.13	0.080
SCP096030	Soil		1.88	26.19	14.19	38.5	441	8.0	3.1	168	1.88	7.5	0.3	7.0	0.5	15.7	0.11	0.63	0.87	42	0.10	0.046
SCP096031	Soil		0.30	2.00	5.67	16.8	76	3.6	0.8	90	0.12	5.0	2.4	3.9	0.1	281.1	0.33	2.69	0.11	13	15.88	0.012
SCP095838	Soil		2.60	38.94	15.13	78.9	329	98.6	12.7	628	5.96	14.8	0.5	14.9	0.9	39.7	0.08	1.04	1.29	154	0.26	0.092
SCP095839	Soil		3.14	60.84	21.23	76.8	792	11.8	4.2	171	5.10	27.9	0.4	9.2	1.6	27.7	0.16	2.13	1.89	70	0.07	0.137
SCP095851	Soil		2.36	111.7	30.50	353.3	646	41.7	20.0	1488	4.37	32.2	1.0	4.7	0.9	41.8	1.54	1.33	1.75	79	0.63	0.078
SCP095852	Soil		1.35	16.67	32.84	222.3	452	14.2	10.9	536	3.76	21.8	0.3	5.5	0.8	15.8	1.02	0.80	1.24	72	0.19	0.152
SCP095853	Soil		3.45	184.0	37.50	946.1	1567	92.7	37.9	1761	4.56	42.2	1.9	6.9	1.6	56.5	3.58	1.68	2.16	66	0.94	0.079
SCP095854	Soil		6.09	163.3	53.95	343.2	1176	144.5	86.1	7973	5.44	47.3	1.3	16.3	1.6	52.2	3.27	1.83	2.08	68	0.75	0.066
SCP095855	Soil		3.53	266.9	27.06	205.8	1588	48.6	37.6	1999	4.59	25.7	2.4	5.0	1.4	66.0	0.84	1.36	2.33	68	0.63	0.108
SCP095856	Soil		1.41	46.43	14.03	125.3	385	22.0	8.8	500	2.97	15.1	0.5	8.9	0.5	32.4	0.31	0.85	1.15	61	0.36	0.047
SCP095857	Soil		1.80	58.77	12.62	116.4	332	19.4	7.1	364	2.80	13.5	0.5	5.5	0.7	27.3	0.38	0.78	0.96	57	0.30	0.050
SCP095858	Soil		1.95	53.59	12.61	101.8	255	18.8	7.2	415	2.82	15.5	0.5	5.2	0.8	26.8	0.28	0.85	0.99	59	0.30	0.056
SCP095859	Soil		2.32	71.59	17.85	133.2	423	17.4	8.3	571	3.08	17.7	0.5	5.1	0.5	31.0	0.30	0.84	1.39	62	0.35	0.052
SCP095860	Soil		3.55	123.4	21.56	189.1	493	30.4	24.8	1092	4.27	22.5	0.7	4.6	1.3	39.9	0.71	1.10	2.06	69	0.40	0.066
SCP095861	Soil		3.31	101.6	14.67	165.9	698	27.1	15.3	1046	3.19	18.2	0.9	7.2	1.1	30.7	0.57	1.06	1.39	56	0.32	0.052
SCP095862	Soil		3.52	132.4	26.06	159.1	775	27.9	12.1	824	4.07	22.9	1.3	4.4	1.0	45.4	0.70	1.13	2.19	65	0.42	0.070
SCP095863	Soil		2.66	59.10	15.08	101.5	322	21.5	7.9	475	3.09	16.8	0.6	5.5	0.8	27.7	0.26	0.98	1.42	59	0.28	0.033
SCP095864	Soil		3.46	154.0	27.67	174.5	1116	30.1	14.3	976	4.47	22.3	1.1	3.2	1.0	51.9	0.77	1.12	2.27	69	0.48	0.074
SCP095865	Soil		3.91	130.6	23.72	174.2	769	27.6	14.4	795	4.58	27.5	1.3	5.6	1.0	43.8	0.39	1.20	2.07	69	0.32	0.068
SCP095866	Soil		4.14	123.3	14.00	241.3	1000	48.8	38.5	1268	4.73	25.2	1.5	10.1	1.6	24.2	0.70	1.32	1.51	59	0.22	0.093
SCP096051	Soil		1.97	77.29	20.18	106.5	310	21.2	9.3	358	3.45	21.8	0.5	5.7	0.7	31.9	0.22	1.49	2.39	61	0.29	0.063
SCP096052	Soil		2.09	94.74	21.49	107.2	402	21.8	8.4	458	3.50	22.1	0.7	8.3	0.6	32.7	0.32	1.60	2.59	61	0.29	0.061
SCP096053	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096054	Soil		3.30	99.74	18.81	191.9	496	25.9	16.0	1309	4.31	23.0	0.9	11.3	0.7	36.9	0.36	1.00	2.17	58	0.44	0.075
SCP096055	Soil		6.90	95.07	13.11	105.5	1311	21.9	27.9	1991	15.90	28.7	1.8	5.7	1.4	17.4	0.16	2.25	1.50	39	0.24	0.189

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Project: Poplar Regional
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CERTIFICATE OF ANALYSIS SMI11000234.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SCP096025	Soil	5.1	30.0	0.50	69.0	0.032	<1	1.68	0.014	0.06	0.3	3.2	0.13	0.03	32	0.3	0.21	4.5	2.03	<0.1	<0.02
SCP096026	Soil	11.0	35.5	0.77	164.4	0.021	<1	2.92	0.009	0.11	0.4	4.1	0.25	0.02	32	0.6	0.43	7.3	4.29	<0.1	0.02
SCP096027	Soil	7.4	27.1	0.61	94.3	0.036	<1	2.10	0.008	0.07	0.6	3.3	0.14	0.02	31	0.3	0.34	5.5	2.71	<0.1	<0.02
SCP096028	Soil	8.8	33.9	0.76	146.8	0.030	<1	2.73	0.010	0.09	0.5	4.3	0.24	0.03	49	0.5	0.35	7.1	3.61	<0.1	<0.02
SCP096029	Soil	6.8	28.3	0.66	179.2	0.024	<1	2.54	0.010	0.13	0.6	3.8	0.21	0.09	29	0.4	0.56	6.4	2.63	<0.1	0.02
SCP096030	Soil	5.4	17.9	0.43	55.0	0.028	<1	1.18	0.006	0.04	0.4	2.2	0.14	<0.02	25	0.1	0.18	4.5	1.72	<0.1	<0.02
SCP096031	Soil	1.0	3.7	9.24	26.0	0.003	5	0.10	0.224	0.01	0.3	0.5	<0.02	0.42	<5	0.7	<0.02	0.3	0.06	0.1	<0.02
SCP095838	Soil	5.2	155.7	3.45	187.2	0.151	2	4.27	0.015	0.49	0.5	10.1	1.06	0.08	63	0.9	0.47	13.4	11.77	<0.1	0.07
SCP095839	Soil	7.7	29.9	0.41	152.9	0.043	2	2.85	0.008	0.07	1.3	3.6	0.15	0.10	76	0.7	0.65	6.8	2.84	<0.1	0.06
SCP095851	Soil	17.3	45.1	0.82	226.0	0.023	1	3.02	0.011	0.09	0.3	5.0	0.21	0.03	46	0.4	0.49	9.4	5.64	<0.1	<0.02
SCP095852	Soil	5.4	29.4	0.39	115.9	0.043	1	1.60	0.008	0.05	0.4	2.5	0.09	0.02	36	0.2	0.33	7.3	3.08	<0.1	<0.02
SCP095853	Soil	21.7	42.3	0.68	223.7	0.020	2	4.66	0.012	0.10	0.3	7.2	0.32	0.05	74	1.2	0.54	9.7	8.28	<0.1	0.09
SCP095854	Soil	15.5	36.6	0.69	318.3	0.027	2	3.67	0.010	0.10	0.3	7.5	0.66	0.04	71	1.3	0.57	7.6	4.74	<0.1	0.02
SCP095855	Soil	28.5	43.8	0.90	276.1	0.014	<1	3.48	0.012	0.12	0.4	7.9	0.30	0.04	85	1.0	0.44	9.6	4.50	<0.1	0.03
SCP095856	Soil	7.8	32.2	0.68	98.3	0.034	<1	1.82	0.010	0.06	0.3	3.3	0.14	0.02	29	0.4	0.29	5.9	2.79	<0.1	<0.02
SCP095857	Soil	9.5	29.9	0.65	98.7	0.034	<1	1.93	0.009	0.06	0.3	3.7	0.15	<0.02	34	0.2	0.24	6.1	2.93	<0.1	<0.02
SCP095858	Soil	9.1	28.7	0.67	89.7	0.048	1	1.85	0.010	0.06	0.3	3.7	0.14	<0.02	22	0.3	0.24	5.5	2.80	<0.1	<0.02
SCP095859	Soil	8.7	28.1	0.66	120.3	0.029	1	2.32	0.009	0.07	0.3	4.1	0.18	0.02	46	0.3	0.29	7.4	3.13	<0.1	<0.02
SCP095860	Soil	10.6	39.1	0.80	160.0	0.024	1	3.23	0.010	0.11	0.4	4.7	0.23	0.03	38	0.5	0.44	9.4	4.99	<0.1	<0.02
SCP095861	Soil	10.3	28.9	0.70	115.8	0.036	1	2.24	0.009	0.09	0.4	4.8	0.22	0.03	47	0.6	0.32	5.9	3.27	<0.1	<0.02
SCP095862	Soil	14.3	35.2	0.77	207.7	0.012	<1	2.77	0.010	0.11	0.4	4.4	0.18	0.04	41	0.6	0.54	7.8	4.03	<0.1	<0.02
SCP095863	Soil	9.4	32.2	0.72	110.1	0.048	<1	1.80	0.010	0.09	0.4	3.6	0.15	<0.02	20	0.4	0.33	5.8	2.79	<0.1	<0.02
SCP095864	Soil	13.9	37.0	0.83	252.9	0.014	1	3.34	0.009	0.14	0.4	4.9	0.24	0.04	39	0.4	0.58	9.3	5.22	<0.1	<0.02
SCP095865	Soil	13.2	37.5	0.79	196.3	0.019	2	3.37	0.009	0.12	0.4	4.6	0.26	0.04	36	0.5	0.55	8.5	5.26	<0.1	0.06
SCP095866	Soil	11.2	31.1	0.58	128.2	0.025	1	4.11	0.007	0.08	0.6	6.2	0.38	0.07	150	1.4	0.42	5.4	3.53	<0.1	0.06
SCP096051	Soil	9.0	34.4	0.80	121.5	0.038	1	2.36	0.008	0.10	0.5	3.9	0.25	0.03	20	0.4	0.56	6.1	3.94	<0.1	<0.02
SCP096052	Soil	11.9	32.7	0.78	112.7	0.038	1	2.21	0.009	0.09	0.5	4.1	0.24	0.04	31	0.5	0.61	6.6	3.33	<0.1	<0.02
SCP096053	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096054	Soil	11.3	27.3	0.58	138.3	0.022	1	2.95	0.005	0.09	0.5	3.9	0.32	0.06	74	0.6	0.45	6.8	5.28	<0.1	<0.02
SCP096055	Soil	7.8	28.7	0.35	69.9	0.032	1	4.88	<0.001	0.05	0.5	5.3	0.28	0.17	104	1.8	0.40	4.6	4.78	0.2	0.11

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		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SCP096025	Soil		0.38	9.6	0.4	<0.05	0.5	3.95	10.4	0.04	<1	0.3	10.3	<10	<2
SCP096026	Soil		0.70	18.8	0.5	<0.05	0.3	8.87	22.6	0.07	1	0.6	15.8	<10	<2
SCP096027	Soil		0.57	10.7	0.4	<0.05	0.8	5.90	15.3	0.05	<1	0.4	12.4	<10	<2
SCP096028	Soil		0.72	16.0	0.5	<0.05	0.6	5.99	17.0	0.06	<1	0.6	13.6	<10	<2
SCP096029	Soil		0.66	12.2	0.4	<0.05	1.0	3.75	12.2	0.06	<1	0.4	9.9	<10	<2
SCP096030	Soil		0.38	8.9	0.4	<0.05	0.4	2.18	10.5	<0.02	<1	0.2	5.5	<10	<2
SCP096031	Soil		0.07	0.6	0.3	<0.05	0.6	1.21	1.6	<0.02	1	<0.1	1.3	<10	<2
SCP095838	Soil		0.55	41.6	1.2	<0.05	3.3	4.59	10.5	0.05	<1	0.4	18.2	<10	<2
SCP095839	Soil		0.99	11.8	0.5	<0.05	2.6	2.21	13.2	0.08	<1	0.5	12.4	<10	<2
SCP095851	Soil		0.82	22.0	0.6	<0.05	0.4	17.77	24.4	0.07	<1	1.0	23.4	<10	<2
SCP095852	Soil		1.07	12.2	0.7	<0.05	0.6	2.54	11.1	0.04	<1	0.4	15.4	<10	<2
SCP095853	Soil		1.06	16.7	0.7	<0.05	2.5	29.55	34.3	0.12	<1	1.7	29.3	<10	<2
SCP095854	Soil		0.54	13.1	0.5	<0.05	0.9	17.79	42.6	0.10	<1	1.0	24.9	<10	<2
SCP095855	Soil		0.83	23.8	0.6	<0.05	0.9	43.94	53.0	0.07	<1	1.5	21.9	<10	<2
SCP095856	Soil		0.46	14.4	0.5	<0.05	0.2	6.77	14.9	0.03	<1	0.3	15.1	<10	<2
SCP095857	Soil		0.44	13.5	0.5	<0.05	0.4	7.66	18.9	0.04	<1	0.4	15.3	<10	<2
SCP095858	Soil		0.43	12.3	0.5	<0.05	0.4	6.94	18.8	0.03	<1	0.3	14.4	<10	<2
SCP095859	Soil		0.58	16.8	0.5	<0.05	0.2	5.98	15.9	0.05	<1	0.6	14.5	<10	<2
SCP095860	Soil		0.68	22.7	0.6	<0.05	0.6	7.73	21.3	0.07	<1	1.1	18.5	<10	<2
SCP095861	Soil		0.43	13.4	0.4	<0.05	0.4	8.33	23.7	0.06	<1	0.7	17.2	<10	<2
SCP095862	Soil		0.65	21.6	0.5	<0.05	0.5	11.51	23.6	0.07	1	0.7	14.9	<10	<2
SCP095863	Soil		0.56	13.0	0.5	<0.05	0.5	5.97	17.0	0.03	<1	0.4	12.0	<10	<2
SCP095864	Soil		0.83	26.1	0.7	<0.05	0.6	10.47	26.2	0.07	<1	1.0	16.4	<10	<2
SCP095865	Soil		0.96	21.2	0.5	<0.05	0.3	11.22	25.3	0.09	<1	0.9	18.2	<10	<2
SCP095866	Soil		0.65	8.4	0.4	<0.05	2.0	14.86	25.6	0.05	1	1.4	21.3	<10	<2
SCP096051	Soil		0.34	15.4	0.4	<0.05	0.2	6.29	17.9	0.07	1	0.5	12.9	<10	<2
SCP096052	Soil		0.38	17.1	0.5	<0.05	0.2	10.17	22.6	0.06	<1	0.3	13.7	<10	<2
SCP096053	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP096054	Soil		0.89	15.4	0.5	<0.05	0.2	10.35	24.7	0.06	1	0.7	19.7	<10	<2
SCP096055	Soil		1.49	6.0	0.3	<0.05	4.4	16.49	17.9	0.07	<1	1.5	14.7	<10	<2

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Client: **Lions Gate Metals Inc.**
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Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS SMI11000234.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	0.01	0.001
SCP096056	Soil	3.23	58.05	17.50	142.9	625	22.3	14.8	826	4.26	23.4	0.6	5.6	0.8	26.8	0.32	1.32	1.90	57	0.32	0.068
SCP096057	Soil	2.44	71.67	21.96	128.7	2461	29.8	11.1	312	3.60	33.4	0.7	8.2	1.7	13.2	0.16	1.54	1.17	56	0.08	0.176
SCP096058	Soil	2.40	78.46	21.67	114.5	834	26.2	8.0	330	4.65	35.9	0.5	4.7	1.9	16.1	0.15	1.59	1.79	62	0.12	0.223
SCP096059	Soil	3.76	158.4	40.96	91.3	1456	20.3	7.4	269	4.88	40.7	1.3	28.2	2.2	19.8	0.29	1.92	1.82	67	0.10	0.362
SCP096060	Soil	1.49	18.39	16.23	148.4	453	10.6	5.5	205	2.13	5.7	0.3	18.8	1.4	12.8	0.25	0.49	1.29	43	0.11	0.093
SCP096061	Soil	1.97	37.42	20.65	105.4	741	11.4	5.4	303	4.09	24.4	0.4	7.4	1.2	13.7	0.26	1.10	1.76	67	0.10	0.194
SCP096062	Soil	1.84	37.82	26.57	92.7	772	15.0	6.3	335	3.48	20.4	0.4	8.1	0.8	33.4	0.30	1.25	2.14	63	0.24	0.073
SCP096063	Soil	2.60	57.42	35.74	102.6	708	16.7	6.1	305	6.12	32.7	0.3	8.4	1.5	18.2	0.20	1.49	2.71	83	0.08	0.214
SCP096064	Soil	3.89	39.34	30.11	45.9	399	10.6	3.6	186	11.18	45.2	0.3	6.2	1.1	180.0	0.11	1.71	2.14	82	0.17	0.192
SCP096065	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095640	Soil	2.23	34.58	16.95	94.1	721	14.3	6.2	299	3.25	22.5	0.4	9.7	0.6	16.3	0.35	1.35	1.46	60	0.15	0.083
SCP095641	Soil	2.60	72.96	20.28	102.3	227	25.6	13.0	582	3.73	29.6	0.6	8.5	0.8	33.4	0.27	2.16	2.20	67	0.43	0.040
SCP095642	Soil	1.77	69.51	22.68	135.7	381	30.1	18.2	571	3.42	24.7	0.4	10.0	0.6	24.4	0.38	1.01	2.14	62	0.29	0.043
SCP095643	Soil	2.12	92.99	16.41	187.0	810	37.9	11.7	325	3.29	18.1	0.4	13.3	0.5	16.9	0.49	1.05	2.72	50	0.25	0.044
SCP095644	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SCP095645	Soil	1.94	234.7	22.55	164.4	674	38.7	26.4	563	3.50	20.1	0.5	24.7	0.2	16.1	0.59	0.94	2.26	63	0.28	0.033
SCP095646	Soil	2.05	144.1	18.68	196.1	538	34.4	8.1	268	4.18	29.2	0.3	233.0	0.9	12.3	0.45	1.02	3.14	76	0.11	0.063
SCP095647	Soil	1.25	14.63	15.31	50.3	260	8.1	3.1	142	2.48	11.0	0.2	7.8	0.7	6.6	0.22	0.61	1.84	58	0.06	0.048
SCP095648	Soil	1.91	18.80	14.17	56.1	183	10.4	3.5	158	2.47	15.2	0.2	5.1	0.6	8.0	0.21	0.64	1.15	51	0.07	0.053
SCP095649	Soil	1.48	21.13	17.04	97.7	706	11.8	5.3	228	3.07	17.2	0.2	7.3	0.9	7.0	0.37	0.75	1.47	58	0.06	0.107
SCP095650	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095867	Soil	207.9	19.06	1.05	8.5	247	3.5	1.2	>10000	0.13	7.9	23.2	1.3	<0.1	142.3	0.13	0.42	0.10	<2	2.83	0.055
SCP095868	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SCP095869	Soil	3.65	92.57	24.10	100.0	1293	17.8	11.5	458	4.27	20.4	0.4	9.1	1.0	22.8	0.16	0.99	1.16	65	0.12	0.098
SCP095870	Soil	3.63	86.45	17.58	78.4	609	16.4	7.6	284	2.96	16.1	0.5	9.6	1.1	17.0	0.14	0.73	0.86	52	0.15	0.055
SCP095871	Soil	1.53	11.70	9.52	91.3	250	19.9	7.1	327	3.23	6.0	0.8	0.5	4.4	29.6	0.25	0.20	0.16	51	0.20	0.492

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Project: Poplar Regional
Report Date: October 13, 2011

CERTIFICATE OF ANALYSIS SMI11000234.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
SCP096056	Soil	7.8	27.9	0.56	98.4	0.034	1	2.65	0.007	0.07	0.7	3.7	0.21	0.05	59	0.6	0.40	6.7	4.07	<0.1	<0.02
SCP096057	Soil	4.8	34.8	0.55	55.2	0.048	<1	3.80	0.002	0.05	0.5	4.3	0.18	0.06	96	0.4	0.44	5.4	3.36	<0.1	0.16
SCP096058	Soil	6.6	32.1	0.62	80.8	0.038	1	3.51	0.004	0.10	0.5	4.0	0.28	0.05	44	0.4	0.56	7.3	5.26	<0.1	0.09
SCP096059	Soil	9.2	35.6	0.57	129.1	0.055	1	4.49	0.004	0.10	0.6	5.1	0.32	0.10	97	0.7	0.53	6.9	4.47	<0.1	0.16
SCP096060	Soil	8.0	21.6	0.39	65.2	0.057	1	2.11	0.006	0.05	0.3	3.2	0.17	<0.02	28	0.2	0.11	7.7	2.90	<0.1	0.04
SCP096061	Soil	6.3	28.8	0.42	70.8	0.040	1	2.43	0.006	0.06	0.6	3.1	0.16	0.03	63	0.3	0.41	8.3	3.23	<0.1	0.03
SCP096062	Soil	8.1	27.7	0.53	144.3	0.030	2	1.85	0.009	0.09	0.7	3.3	0.20	0.05	34	0.4	0.39	7.8	3.37	<0.1	<0.02
SCP096063	Soil	6.7	35.2	0.46	144.0	0.033	1	3.10	0.004	0.16	0.6	3.8	0.29	0.06	63	0.5	0.84	11.8	4.86	<0.1	0.05
SCP096064	Soil	8.3	31.2	0.42	229.6	0.084	<1	1.11	0.087	0.40	1.1	2.7	0.24	0.88	5	1.8	0.83	8.1	2.67	<0.1	0.04
SCP096065	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095640	Soil	6.0	26.7	0.47	74.8	0.042	<1	1.74	0.008	0.06	0.4	2.8	0.10	0.03	51	0.3	0.36	5.3	2.12	<0.1	<0.02
SCP095641	Soil	8.8	39.7	0.77	120.9	0.051	1	1.97	0.015	0.09	0.3	4.4	0.24	0.02	23	0.7	0.67	5.5	3.54	<0.1	<0.02
SCP095642	Soil	6.5	31.6	0.56	89.5	0.045	2	2.00	0.008	0.08	0.4	3.1	0.19	0.03	59	0.6	0.42	6.4	8.83	<0.1	<0.02
SCP095643	Soil	4.6	32.5	0.52	54.7	0.028	2	2.04	0.007	0.07	1.0	2.3	0.17	0.04	73	0.8	0.49	6.3	6.68	<0.1	<0.02
SCP095644	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SCP095645	Soil	5.2	32.6	0.49	73.3	0.027	<1	1.83	0.007	0.06	0.4	2.0	0.20	0.03	36	0.3	0.52	7.0	6.39	<0.1	<0.02
SCP095646	Soil	3.6	42.6	0.72	78.4	0.068	1	2.00	0.007	0.05	1.1	2.9	0.15	0.04	49	0.3	1.24	7.0	4.82	<0.1	0.03
SCP095647	Soil	4.1	20.0	0.27	53.4	0.039	1	0.92	0.007	0.03	0.5	1.6	0.09	<0.02	29	0.1	0.37	5.7	1.49	<0.1	0.02
SCP095648	Soil	4.2	18.9	0.31	43.7	0.032	1	1.00	0.006	0.04	0.5	1.8	0.07	<0.02	19	0.2	0.38	5.3	1.45	<0.1	<0.02
SCP095649	Soil	4.2	24.9	0.36	55.4	0.029	1	1.42	0.005	0.04	0.5	2.1	0.09	0.02	54	0.2	0.34	6.3	2.12	<0.1	0.02
SCP095650	Soil	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095867	Soil	<0.5	3.7	0.08	267.2	<0.001	8	0.22	0.017	0.03	<0.1	0.4	0.08	0.28	101	0.6	0.05	0.3	0.12	<0.1	0.03
SCP095868	Soil	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SCP095869	Soil	5.9	33.6	0.68	186.9	0.026	1	2.25	0.011	0.11	0.5	4.5	0.20	0.13	52	0.4	0.46	6.6	2.39	<0.1	<0.02
SCP095870	Soil	5.7	24.3	0.59	111.0	0.028	<1	2.22	0.006	0.08	0.3	4.1	0.16	0.03	43	0.3	0.19	6.2	2.43	<0.1	<0.02
SCP095871	Soil	13.5	20.7	0.25	211.8	0.033	<1	3.57	0.004	0.04	<0.1	3.5	0.04	<0.02	77	0.2	0.05	7.2	1.13	<0.1	0.18

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		Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
		Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
		Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
		MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
SCP096056	Soil		1.26	9.9	0.5	<0.05	0.4	6.81	16.8	0.06	3	0.7	16.0	<10	<2
SCP096057	Soil		1.33	8.3	0.4	<0.05	7.3	4.23	10.8	0.06	<1	0.5	22.4	<10	<2
SCP096058	Soil		1.20	14.4	0.5	<0.05	4.3	3.91	12.9	0.08	<1	0.5	23.5	<10	<2
SCP096059	Soil		1.65	13.5	0.5	<0.05	5.8	5.95	17.7	0.08	<1	0.6	21.0	<10	<2
SCP096060	Soil		1.40	15.3	0.9	<0.05	3.0	2.98	15.6	0.04	<1	0.3	10.8	<10	<2
SCP096061	Soil		1.17	15.4	0.6	<0.05	1.9	2.42	12.1	0.06	<1	0.4	16.2	<10	<2
SCP096062	Soil		0.67	17.0	0.6	<0.05	0.3	4.31	15.7	0.05	<1	0.3	10.6	<10	<2
SCP096063	Soil		1.91	16.9	0.9	<0.05	2.3	1.89	12.1	0.08	<1	0.4	16.7	<10	<2
SCP096064	Soil		0.69	17.4	0.6	<0.05	1.9	1.67	13.0	0.04	<1	0.2	3.7	<10	<2
SCP096065	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095640	Soil		0.52	10.9	0.3	<0.05	0.5	2.73	12.0	0.05	2	0.3	11.6	<10	<2
SCP095641	Soil		0.27	16.4	0.4	<0.05	0.3	10.50	19.0	0.05	<1	0.3	16.3	<10	<2
SCP095642	Soil		1.12	25.8	0.5	<0.05	0.4	4.10	13.4	0.06	<1	0.4	19.2	<10	<2
SCP095643	Soil		1.41	16.2	0.5	<0.05	0.5	2.23	9.8	0.07	<1	0.6	20.0	<10	<2
SCP095644	Soil		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SCP095645	Soil		1.17	16.6	0.5	<0.05	0.3	4.00	11.7	0.07	<1	0.6	11.9	<10	<2
SCP095646	Soil		1.30	13.9	0.4	<0.05	1.5	1.61	7.7	0.05	<1	0.5	14.3	<10	<2
SCP095647	Soil		0.68	12.9	0.4	<0.05	0.7	1.25	8.8	0.03	<1	0.1	4.4	<10	<2
SCP095648	Soil		0.76	7.6	0.4	<0.05	0.6	1.22	8.7	0.03	<1	0.2	6.4	<10	<2
SCP095649	Soil		0.99	14.6	0.4	<0.05	1.2	1.47	8.7	0.03	<1	0.3	9.5	<10	<2
SCP095650	Soil		I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
SCP095867	Soil		0.05	0.7	<0.1	<0.05	1.1	1.87	1.1	<0.02	6	<0.1	0.3	36	<2
SCP095868	Soil		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
SCP095869	Soil		0.67	11.4	0.4	<0.05	0.7	2.73	11.8	0.06	<1	0.7	17.0	<10	<2
SCP095870	Soil		0.95	11.4	0.5	<0.05	0.9	4.21	12.1	0.04	1	0.5	10.7	<10	<2
SCP095871	Soil		1.44	5.7	0.4	<0.05	5.9	6.07	33.4	0.05	<1	0.9	11.6	<10	<2

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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: October 13, 2011

QUALITY CONTROL REPORT SMI11000234.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	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	0.01	0.001
Pulp Duplicates																					
SCP095619	Soil	2.75	55.88	28.55	160.4	2334	11.1	6.2	225	3.47	18.0	0.8	7.2	1.4	17.8	0.31	1.12	1.36	49	0.14	0.097
REP SCP095619	QC	2.65	55.56	27.95	158.7	2320	10.9	6.1	224	3.39	17.6	0.8	19.2	1.5	17.6	0.32	1.13	1.32	47	0.14	0.100
SCP095588	Soil	2.80	39.23	38.48	54.1	631	13.3	3.5	183	6.26	32.5	0.4	6.7	1.6	26.1	0.11	2.18	2.80	90	0.06	0.221
REP SCP095588	QC	2.89	39.93	38.70	53.0	622	13.8	3.5	177	6.25	33.0	0.4	10.3	1.6	26.8	0.11	2.24	2.87	90	0.06	0.211
SCP095744	Soil	9.99	61.48	28.04	45.8	466	6.6	2.9	154	4.97	29.3	0.6	15.4	1.4	37.2	0.06	2.73	1.70	70	0.05	0.063
REP SCP095744	QC	9.76	61.03	28.02	43.9	451	6.8	2.8	151	4.85	28.4	0.5	14.7	1.4	36.7	0.06	2.69	1.66	70	0.04	0.063
SCP095630	Rock Pulp	135.8	3549	45.37	117.3	3461	24.1	18.7	476	4.44	73.8	0.6	903.1	2.0	28.3	0.85	6.25	0.65	86	0.35	0.092
REP SCP095630	QC	134.4	3540	45.08	114.7	3539	24.0	17.9	470	4.46	73.3	0.6	1104	2.0	28.0	0.78	6.37	0.66	86	0.35	0.091
SCP095836	Soil	4.49	84.45	30.53	45.9	1212	11.7	4.2	183	5.16	23.7	1.1	17.5	1.8	25.3	0.05	2.05	1.62	67	0.10	0.073
REP SCP095836	QC	4.56	87.96	30.82	45.0	1214	11.8	4.2	186	5.25	23.4	1.1	17.9	1.9	25.2	0.07	1.97	1.59	68	0.10	0.076
SCP096121	Soil	2.04	33.93	16.37	59.4	458	12.0	5.3	255	2.49	11.8	0.4	13.7	0.9	21.0	0.12	0.85	1.29	58	0.19	0.054
REP SCP096121	QC	2.00	33.31	16.23	58.7	467	12.4	5.2	250	2.53	11.7	0.4	9.5	0.9	20.7	0.14	0.83	1.29	59	0.19	0.054
SCP096004	Soil	3.45	86.26	25.78	68.0	586	15.0	5.4	252	3.89	25.8	0.7	11.9	1.6	23.8	0.14	1.52	1.41	56	0.07	0.084
REP SCP096004	QC	3.55	85.46	25.89	67.9	606	14.8	5.6	252	3.87	25.7	0.7	14.5	1.7	24.6	0.15	1.54	1.40	57	0.08	0.086
SCP096017	Soil	1.62	36.97	12.31	120.4	232	17.4	6.5	412	2.76	17.0	0.4	6.6	0.6	21.2	0.42	0.72	1.25	56	0.23	0.055
REP SCP096017	QC	1.62	38.71	12.85	125.7	242	18.4	6.9	431	2.88	17.8	0.4	6.0	0.5	22.6	0.48	0.81	1.31	58	0.25	0.055
SCP095861	Soil	3.31	101.6	14.67	165.9	698	27.1	15.3	1046	3.19	18.2	0.9	7.2	1.1	30.7	0.57	1.06	1.39	56	0.32	0.052
REP SCP095861	QC	3.30	98.88	15.04	162.6	689	26.4	15.3	1050	3.19	17.7	0.9	15.7	1.1	29.9	0.56	1.04	1.40	56	0.31	0.051
SCP096054	Soil	3.30	99.74	18.81	191.9	496	25.9	16.0	1309	4.31	23.0	0.9	11.3	0.7	36.9	0.36	1.00	2.17	58	0.44	0.075
REP SCP096054	QC	3.05	94.82	17.91	184.1	494	25.4	15.2	1255	4.12	21.6	1.0	6.8	0.5	35.7	0.39	0.95	2.05	57	0.39	0.069
Reference Materials																					
STD DS8	Standard	14.20	108.9	125.8	329.2	1838	39.5	7.8	625	2.53	27.2	2.7	112.4	6.9	62.5	2.38	5.42	6.50	42	0.73	0.081
STD DS8	Standard	13.06	116.8	122.3	316.0	1780	37.4	8.2	624	2.55	27.9	3.1	118.8	7.3	67.3	2.63	6.19	7.67	43	0.75	0.089
STD DS8	Standard	12.59	110.7	122.1	313.2	1762	36.2	7.5	596	2.50	27.6	3.0	117.2	7.4	65.9	2.46	6.06	7.46	41	0.72	0.089
STD DS8	Standard	13.19	111.6	128.5	326.9	1805	36.5	7.3	631	2.58	25.6	3.0	107.6	6.9	73.4	2.34	6.33	7.37	43	0.74	0.085
STD DS8	Standard	13.31	111.3	132.8	306.4	1831	37.9	7.3	621	2.54	24.4	3.1	116.7	7.5	66.5	2.37	5.70	6.83	41	0.72	0.082
STD DS8	Standard	12.49	102.3	129.5	302.9	1742	36.0	6.8	602	2.37	24.9	2.7	117.7	6.2	69.1	2.39	6.00	7.32	40	0.70	0.084
STD DS8	Standard	12.57	108.4	109.8	300.5	1677	37.1	7.1	565	2.23	22.2	2.3	122.9	6.2	59.7	2.11	4.43	6.49	37	0.64	0.073

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Project: Poplar Regional
Report Date: October 13, 2011

QUALITY CONTROL REPORT SMI11000234.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	Cs	Ge	Hf
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm
	MDL	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	0.02
Pulp Duplicates																					
SCP095619	Soil	8.9	22.0	0.40	141.2	0.022	1	3.33	0.013	0.07	0.6	4.3	0.18	0.05	131	0.6	0.18	6.9	3.35	<0.1	0.04
REP SCP095619	QC	8.7	21.3	0.39	138.5	0.020	1	3.24	0.012	0.07	0.7	4.3	0.17	0.05	132	0.6	0.19	6.9	3.24	<0.1	0.04
SCP095588	Soil	9.3	34.7	0.47	174.9	0.032	<1	2.23	0.014	0.09	1.2	3.3	0.25	0.09	64	0.4	0.81	10.6	4.23	<0.1	0.07
REP SCP095588	QC	9.4	35.0	0.47	176.5	0.032	<1	2.23	0.014	0.09	1.2	3.3	0.26	0.09	67	0.4	0.97	10.6	4.29	<0.1	0.07
SCP095744	Soil	9.5	18.7	0.38	191.1	0.049	<1	1.53	0.020	0.13	1.4	3.2	0.27	0.22	49	0.7	0.57	6.3	2.88	<0.1	<0.02
REP SCP095744	QC	9.2	18.8	0.38	183.9	0.049	<1	1.51	0.020	0.12	1.4	3.1	0.27	0.22	41	0.7	0.52	6.2	2.82	<0.1	<0.02
SCP095630	Rock Pulp	9.7	33.1	0.66	35.7	0.062	1	1.03	0.025	0.63	11.0	6.2	0.53	2.40	136	6.3	1.09	4.1	2.77	0.1	0.06
REP SCP095630	QC	10.0	33.5	0.66	42.8	0.063	3	1.07	0.026	0.66	11.1	6.3	0.54	2.42	115	6.1	1.10	4.0	2.89	0.1	0.06
SCP095836	Soil	8.3	29.8	0.49	135.8	0.045	1	1.86	0.007	0.09	0.8	3.6	0.22	0.07	78	0.9	0.58	7.3	3.05	<0.1	<0.02
REP SCP095836	QC	7.9	30.9	0.49	133.8	0.038	<1	1.87	0.007	0.08	0.7	3.5	0.21	0.07	78	1.0	0.61	7.0	2.78	<0.1	0.03
SCP096121	Soil	7.6	25.9	0.61	73.5	0.056	<1	1.41	0.010	0.06	0.4	3.8	0.14	0.03	22	0.2	0.23	5.6	1.74	<0.1	<0.02
REP SCP096121	QC	7.2	25.5	0.62	72.8	0.053	<1	1.39	0.010	0.06	0.5	3.7	0.13	0.03	25	0.2	0.25	5.4	1.63	<0.1	<0.02
SCP096004	Soil	6.5	27.6	0.56	167.2	0.038	1	2.98	0.007	0.09	0.6	3.7	0.17	0.08	77	0.6	0.37	5.5	2.85	<0.1	0.04
REP SCP096004	QC	6.5	28.5	0.57	167.1	0.039	1	2.96	0.008	0.09	0.6	3.9	0.19	0.08	80	0.6	0.40	5.5	2.90	<0.1	0.03
SCP096017	Soil	5.9	28.6	0.70	81.0	0.035	<1	1.79	0.010	0.06	0.4	2.8	0.10	<0.02	17	0.2	0.28	5.4	2.55	<0.1	<0.02
REP SCP096017	QC	6.3	29.4	0.72	83.5	0.041	1	1.83	0.010	0.06	0.5	3.0	0.11	<0.02	19	0.2	0.25	5.4	2.79	<0.1	<0.02
SCP095861	Soil	10.3	28.9	0.70	115.8	0.036	1	2.24	0.009	0.09	0.4	4.8	0.22	0.03	47	0.6	0.32	5.9	3.27	<0.1	<0.02
REP SCP095861	QC	10.1	28.7	0.69	112.2	0.035	<1	2.21	0.009	0.09	0.3	4.9	0.22	0.03	49	0.5	0.37	5.6	3.16	<0.1	<0.02
SCP096054	Soil	11.3	27.3	0.58	138.3	0.022	1	2.95	0.005	0.09	0.5	3.9	0.32	0.06	74	0.6	0.45	6.8	5.28	<0.1	<0.02
REP SCP096054	QC	10.6	25.9	0.56	129.4	0.025	1	2.95	0.005	0.09	0.4	3.7	0.32	0.05	66	0.7	0.37	6.5	5.24	<0.1	<0.02
Reference Materials																					
STD DS8	Standard	15.4	125.0	0.62	283.3	0.114	3	0.94	0.084	0.41	3.0	2.1	5.49	0.16	238	5.2	5.32	4.8	2.63	0.1	0.09
STD DS8	Standard	17.2	118.5	0.63	289.8	0.116	3	0.98	0.100	0.44	2.9	2.5	5.65	0.17	214	5.4	5.04	4.7	2.45	<0.1	0.08
STD DS8	Standard	15.7	116.7	0.63	287.4	0.110	2	0.99	0.118	0.44	3.1	2.3	5.39	0.16	198	5.0	4.81	4.5	2.49	<0.1	0.08
STD DS8	Standard	16.8	121.8	0.63	290.5	0.115	4	0.95	0.091	0.43	3.1	2.3	5.49	0.17	200	5.8	5.30	4.9	2.58	<0.1	0.08
STD DS8	Standard	16.5	118.2	0.62	276.0	0.115	3	0.94	0.089	0.42	2.8	2.2	5.42	0.16	214	4.9	5.08	4.5	2.43	0.1	0.07
STD DS8	Standard	15.1	115.1	0.60	274.3	0.107	3	0.92	0.086	0.41	3.0	2.0	5.52	0.16	202	5.4	4.69	4.6	2.49	0.1	0.09
STD DS8	Standard	10.8	111.8	0.54	245.4	0.095	2	0.86	0.099	0.36	2.8	2.0	5.13	0.15	192	5.0	4.81	4.2	2.29	0.1	0.07

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QUALITY CONTROL REPORT SMI11000234.1

	Method	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15	1F15
	Analyte	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb
	MDL	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2
Pulp Duplicates														
SCP095619	Soil	1.56	14.3	0.5	<0.05	1.4	6.45	15.3	0.08	1	0.7	18.5	<10	<2
REP SCP095619	QC	1.55	14.1	0.6	<0.05	1.5	6.27	15.1	0.08	3	0.7	18.3	<10	<2
SCP095588	Soil	2.49	15.3	1.0	<0.05	3.5	1.63	15.1	0.08	<1	0.2	8.8	<10	<2
REP SCP095588	QC	2.51	15.6	1.0	<0.05	3.6	1.62	15.2	0.08	<1	0.2	9.1	<10	<2
SCP095744	Soil	0.59	10.4	0.5	<0.05	0.9	4.04	16.9	0.04	<1	0.1	2.5	<10	<2
REP SCP095744	QC	0.58	10.5	0.5	<0.05	0.9	3.96	16.7	0.05	1	0.1	2.5	<10	<2
SCP095630	Rock Pulp	0.05	34.4	1.8	<0.05	1.8	8.43	18.4	0.05	318	0.4	4.7	<10	<2
REP SCP095630	QC	0.06	33.7	1.9	<0.05	1.9	8.32	18.9	0.04	294	0.3	4.7	<10	<2
SCP095836	Soil	1.19	8.3	0.5	<0.05	1.4	4.00	15.2	0.07	<1	0.2	7.1	<10	<2
REP SCP095836	QC	1.22	8.3	0.5	<0.05	1.7	4.01	14.6	0.07	<1	0.1	6.9	<10	<2
SCP096121	Soil	0.48	11.8	0.5	<0.05	0.5	3.60	14.4	0.04	<1	0.2	7.6	<10	<2
REP SCP096121	QC	0.45	11.5	0.4	<0.05	0.6	3.42	13.9	0.03	<1	0.2	7.3	<10	<2
SCP096004	Soil	0.81	9.0	0.4	<0.05	2.2	3.43	11.8	0.06	<1	0.3	15.2	<10	<2
REP SCP096004	QC	0.82	9.1	0.4	<0.05	1.9	3.41	11.7	0.06	<1	0.2	15.6	<10	<2
SCP096017	Soil	0.47	11.7	0.4	<0.05	0.4	4.04	12.1	0.04	<1	0.4	12.8	<10	<2
REP SCP096017	QC	0.45	12.5	0.4	<0.05	0.4	4.49	12.3	0.05	<1	0.4	12.7	<10	<2
SCP095861	Soil	0.43	13.4	0.4	<0.05	0.4	8.33	23.7	0.06	<1	0.7	17.2	<10	<2
REP SCP095861	QC	0.45	12.9	0.4	<0.05	0.4	8.28	23.7	0.04	<1	0.6	17.2	<10	<2
SCP096054	Soil	0.89	15.4	0.5	<0.05	0.2	10.35	24.7	0.06	1	0.7	19.7	<10	<2
REP SCP096054	QC	0.81	15.0	0.5	<0.05	0.2	10.07	22.8	0.06	<1	0.7	19.5	<10	<2
Reference Materials														
STD DS8	Standard	1.30	40.7	6.9	<0.05	2.2	6.11	28.8	2.22	56	5.3	26.9	113	349
STD DS8	Standard	1.41	42.1	7.5	<0.05	1.8	6.59	29.7	2.37	56	4.8	28.4	100	344
STD DS8	Standard	1.29	40.8	7.1	<0.05	1.8	6.08	28.2	2.31	58	4.7	27.8	107	357
STD DS8	Standard	1.39	39.4	7.3	<0.05	1.9	6.64	29.8	2.34	62	4.9	29.1	120	352
STD DS8	Standard	1.25	37.2	6.8	<0.05	1.8	6.18	28.9	2.20	49	5.1	26.1	123	353
STD DS8	Standard	1.35	39.4	6.9	<0.05	1.8	6.02	27.3	2.25	57	5.0	28.1	109	351
STD DS8	Standard	1.08	35.5	5.6	<0.05	1.9	4.61	24.4	2.15	62	5.2	23.7	106	317

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Report Date: October 13, 2011

QUALITY CONTROL REPORT SMI11000234.1

		1F15 Mo ppm 0.01	1F15 Cu ppm 0.01	1F15 Pb ppm 0.01	1F15 Zn ppm 0.1	1F15 Ag ppb 2	1F15 Ni ppm 0.1	1F15 Co ppm 0.1	1F15 Mn ppm 1	1F15 Fe % 0.01	1F15 As ppm 0.1	1F15 U ppm 0.1	1F15 Au ppb 0.2	1F15 Th ppm 0.1	1F15 Sr ppm 0.5	1F15 Cd ppm 0.01	1F15 Sb ppm 0.02	1F15 Bi ppm 0.02	1F15 V ppm 2	1F15 Ca % 0.01	1F15 P % 0.001
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	5.7	6.67	41.1	0.7	0.08
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	<0.01	<0.001
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	<0.01	<0.001
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	<0.01	<0.001
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	<0.01	<0.001
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	<0.01	<0.001
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	<0.01	<0.001
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	<0.01	<0.001

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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1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
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Client: **Lions Gate Metals Inc.**
880 - 609 Granville St.
Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: October 13, 2011

QUALITY CONTROL REPORT SMI11000234.1

		1F15 La ppm 0.5	1F15 Cr ppm 0.5	1F15 Mg % 0.01	1F15 Ba ppm 0.5	1F15 Ti % 0.001	1F15 B ppm 1	1F15 Al % 0.01	1F15 Na % 0.001	1F15 K % 0.01	1F15 W ppm 0.1	1F15 Sc ppm 0.1	1F15 Tl ppm 0.02	1F15 S % 0.02	1F15 Hg ppb 5	1F15 Se ppm 0.1	1F15 Te ppm 0.02	1F15 Ga ppm 0.1	1F15 Cs ppm 0.02	1F15 Ge ppm 0.1	1F15 Hf ppm 0.02
STD DS8 Expected		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	2.48	0.13	0.08
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1	<0.02	<0.1	<0.02

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Vancouver BC V7Y 1G5 Canada

Project: Poplar Regional
Report Date: October 13, 2011

QUALITY CONTROL REPORT SMI11000234.1

		1F15 Nb ppm 0.02	1F15 Rb ppm 0.1	1F15 Sn ppm 0.1	1F15 Ta ppm 0.05	1F15 Zr ppm 0.1	1F15 Y ppm 0.01	1F15 Ce ppm 0.1	1F15 In ppm 0.02	1F15 Re ppb 1	1F15 Be ppm 0.1	1F15 Li ppm 0.1	1F15 Pd ppb 10	1F15 Pt ppb 2
STD DS8 Expected		1.65	39	6.7	0.003	2.3	6.1	29.8	2.19	55	5.2	26.34	110	339
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2
BLK	Blank	<0.02	<0.1	<0.1	<0.05	<0.1	<0.01	<0.1	<0.02	<1	<0.1	<0.1	<10	<2

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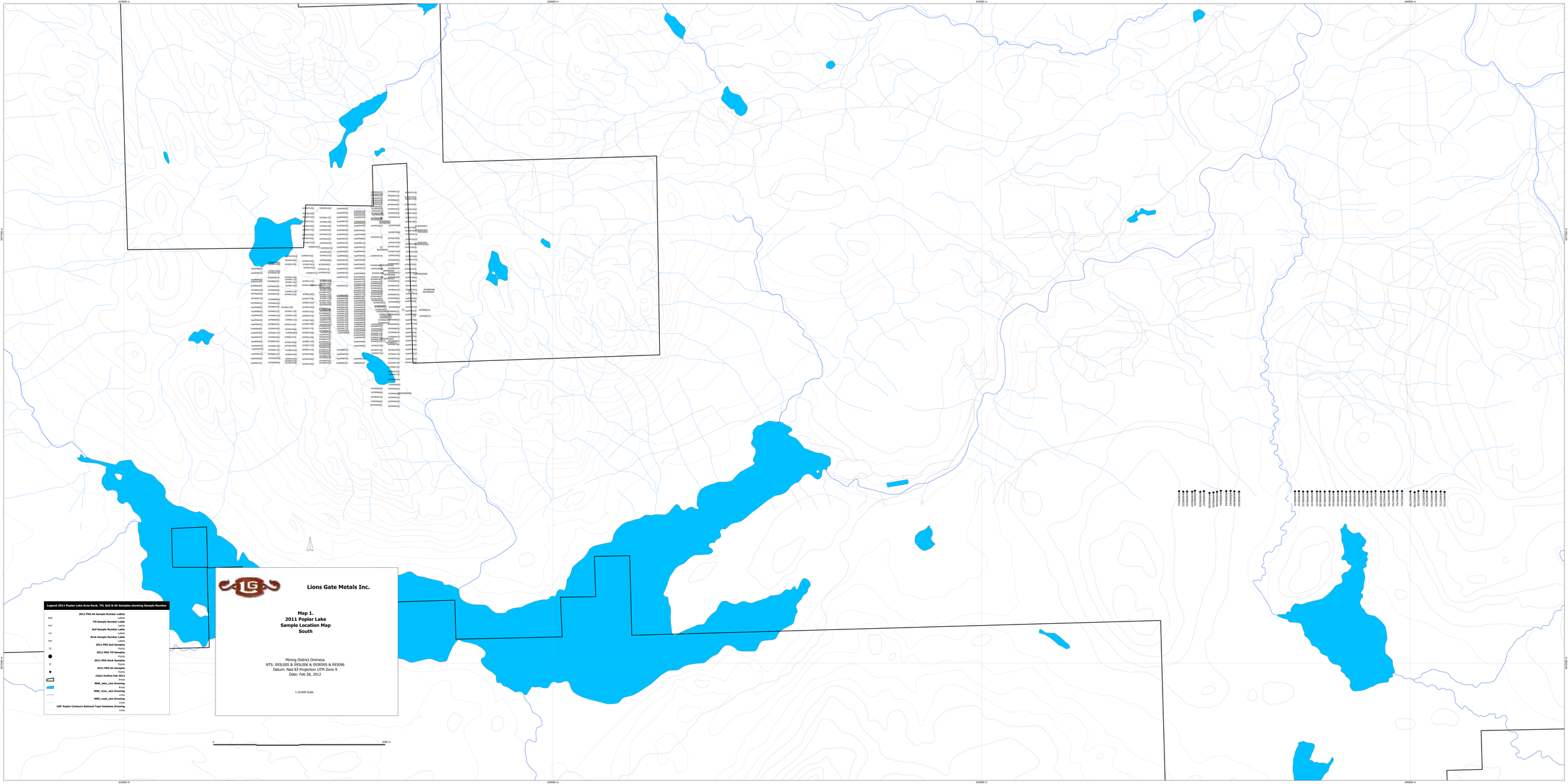
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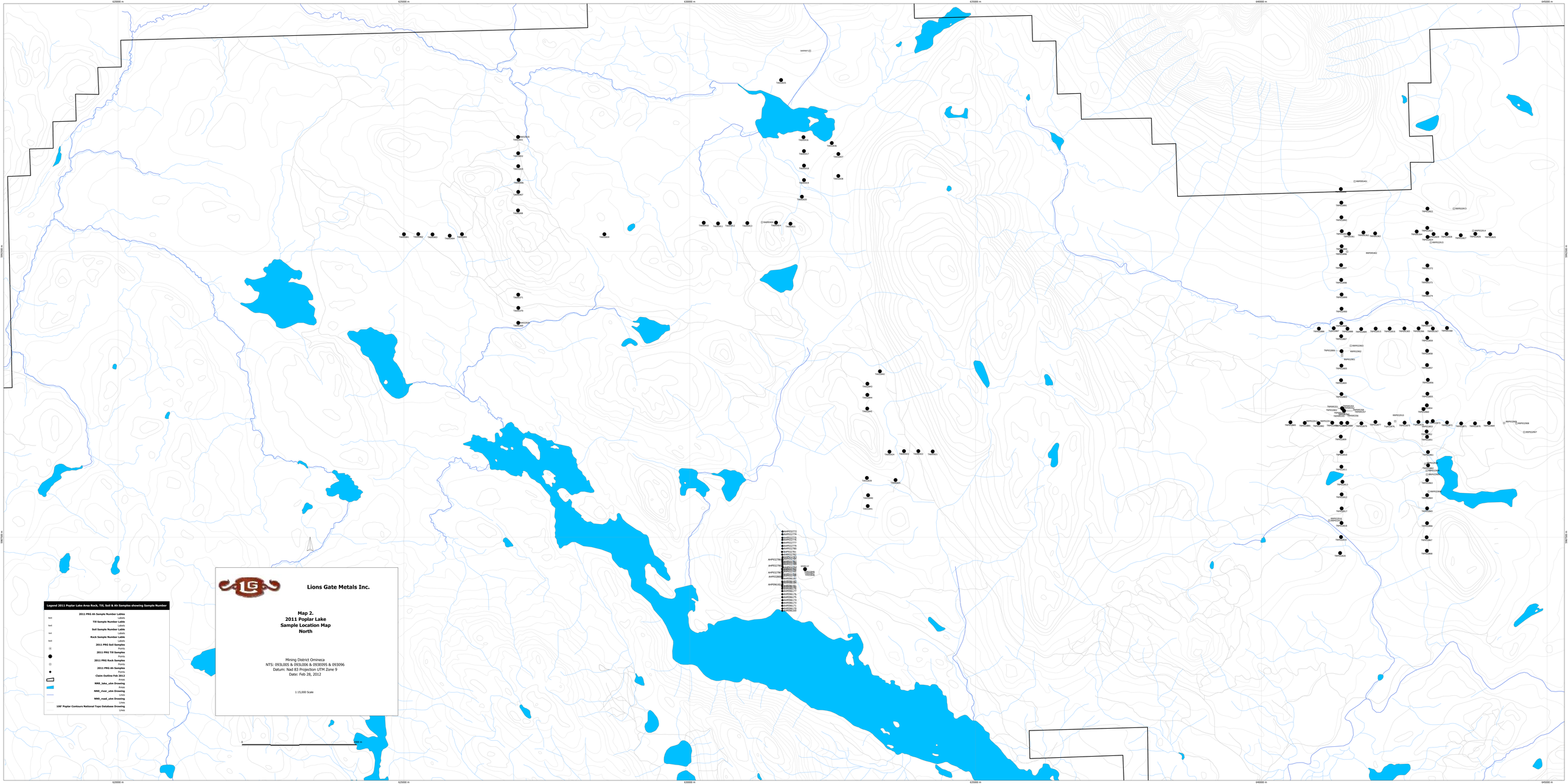
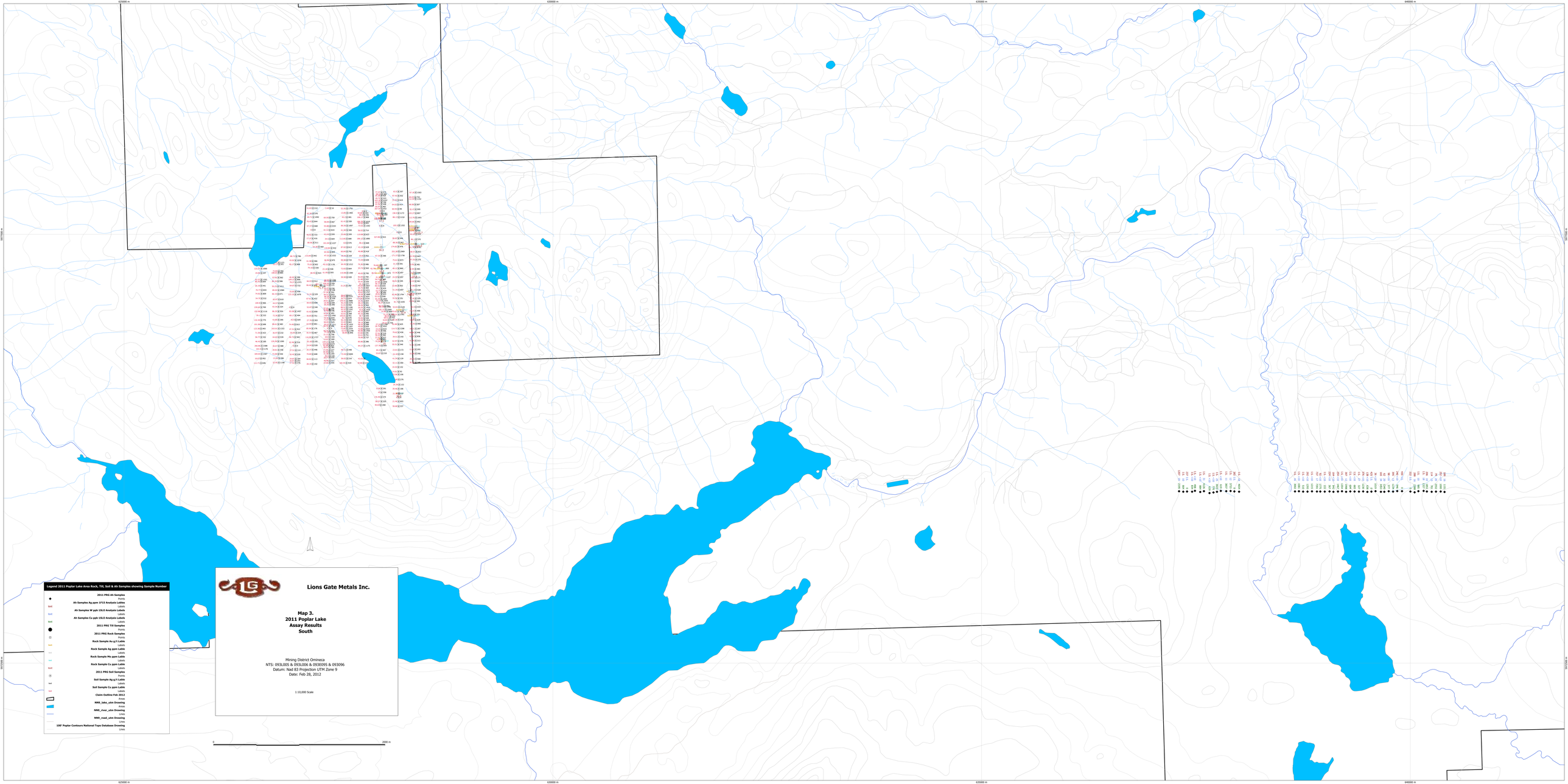
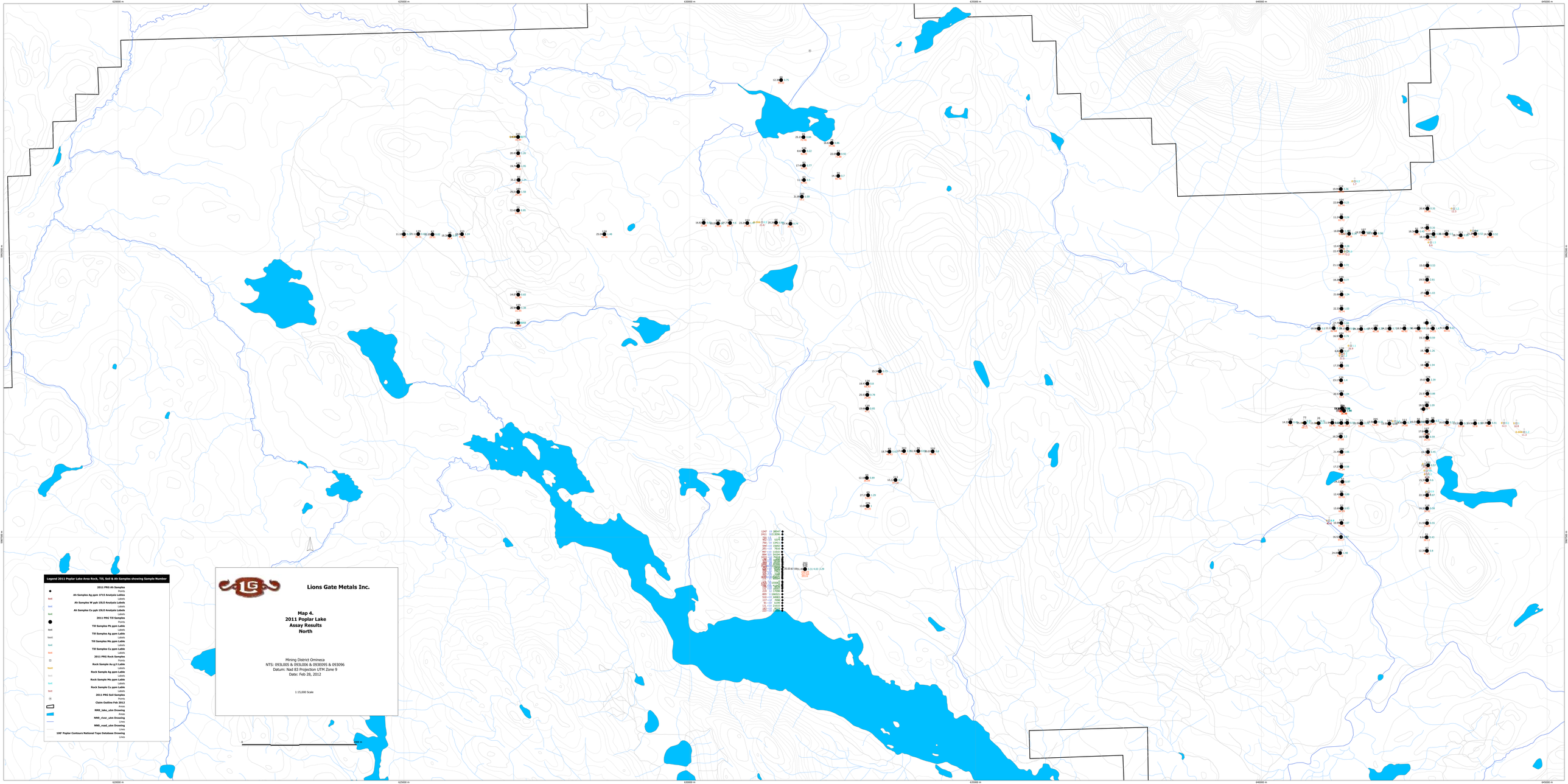
5960000 m
Legend 2011 Poplar Lake Area Rock, Till, Soil & Ah Samples showing Sample Number
text
2011 PRG Ah Sample Number Labels
Labels
text
Till Sample Number Labels
Labels
text
Soil Sample Number Labels
Labels
text
Rock Sample Number Labels
Labels
2011 PRG Soil Samples
Points
2011 PRG Till Samples
Points
2011 PRG Rock Samples
Points
2011 PRG Ah Samples
Points
Claim Outline Feb 2012
Areas
NNR_lake_utm Drawing
Areas
NNR_river_utm Drawing
Lines
NNR_road_utm Drawing
Lines
100' Poplar Contours National Topo Database Drawing
Lines
Lions Gate Metals Inc.
Map 1.
2011 Poplar Lake
Sample Location Map
South
Mining District Omineca
NTS: 093L055 & 093L006 & 093E085 & 093I096
Datum: Nad 83 Projection UTM Zone 9
Date: Feb 28, 2012
1:10,000 Scale
0
2000 m


620000 m
630000 m
640000 m
Legend 2011 Poplar Lake Area Rock, Till, Soil & Ah Samples showing Sample Number
2011 PRG Ah Sample Number Labels
text
Labels
Till Sample Number Labels
text
Labels
Soil Sample Number Labels
text
Labels
Rock Sample Number Labels
text
Labels
2011 PRG Soil Samples
Points
2011 PRG Till Samples
Points
2011 PRG Rock Samples
Points
2011 PRG Ah Samples
Points
Claim Outline Feb 2012
Areas
NNR_lake_utm Drawing
Areas
NNR_river_utm Drawing
Lines
NNR_road_utm Drawing
Lines
100' Poplar Contours National Topo Database Drawing
Lines
Lions Gate Metals Inc.
Map 2.
2011 Poplar Lake
Sample Location Map
North
Mining District Omineca
NTS: 093L055 & 093L006 & 093E095 & 093J096
Datum: Nad 83 Projection UTM Zone 9
Date: Feb 28, 2012
1:15,000 Scale
0
500 m


Lions Gate Metals Inc.
Map 3.
2011 Poplar Lake
Assay Results
South
Mining District Omineca
NTS: 093L005 & 093L006 & 093E095 & 093I096
Datum: Nad 83 Projection UTM Zone 9
Date: Feb 28, 2012
1:10,000 Scale
Legend 2011 Poplar Lake Area Rock, Till, Soil & Ah Samples showing Sample Number
2011 PRG Ah Samples
Points
Ah Samples Ag ppm 1F15 Analysis Labels
Labels
Ah Samples W ppb 15LO Analysis Labels
Labels
Ah Samples Cu ppb 15LO Analysis Labels
Labels
2011 PRG Till Samples
Points
2011 PRG Rock Samples
Points
Rock Sample Au g/t Lable
Labels
Rock Sample Ag ppm Lable
Labels
Rock Sample Mo ppm Lable
Labels
Rock Sample Cu ppm Lable
Labels
2011 PRG Soil Samples
Points
Soil Sample Ag g/t Lable
Labels
Soil Sample Cu ppm Lable
Labels
Claim Outline Feb 2012
Polygon
NNR_lake_utm Drawing
Polygon
NNR_river_utm Drawing
Lines
NNR_road_utm Drawing
Lines
100' Poplar Contours National Topo Database Drawing
Lines
0
2000 m
620000 m
630000 m
640000 m
5970000 m
5960000 m


620000 m
625000 m
630000 m
635000 m
640000 m
645000 m
5970000 m
5965000 m
5960000 m
Legend 2011 Poplar Lake Area Rock, Till, Soil & Ah Samples showing Sample Number
2011 PRG Ah Samples
Points
Ah Samples Ag ppm 1F15 Analysis Labels
Labels
Ah Samples W ppb 10LO Analysis Labels
Labels
Ah Samples Cu ppb 10LO Analysis Labels
Labels
2011 PRG Till Samples
Points
Till Samples Pb ppm Lable
Labels
Till Samples Ag ppm Lable
Labels
Till Samples Mo ppm Lable
Labels
Till Samples Cu ppm Lable
Labels
2011 PRG Rock Samples
Points
Rock Sample Au g/t Lable
Labels
Rock Sample Ag ppm Lable
Labels
Rock Sample Mo ppm Lable
Labels
Rock Sample Cu ppm Lable
Labels
2011 PRG Soil Samples
Points
Claim Outline Feb 2012
Polys
NNR_lake_utm Drawing
Polys
NNR_river_utm Drawing
Lines
NNR_road_utm Drawing
Lines
100' Poplar Contours National Topo Database Drawing
Lines
Lions Gate Metals Inc.
Map 4.
2011 Poplar Lake
Assay Results
North
Mining District Omineca
NTS: 093L055 & 093L006 & 093E095 & 093J096
Datum: Nad 83 Projection UTM Zone 9
Date: Feb 28, 2012
1:15,000 Scale
0
500 m