

Hudson Bay Exploration & Development Co. Ltd.
405 – 470 Granville Street
Vancouver, British Columbia
V6C 1V5

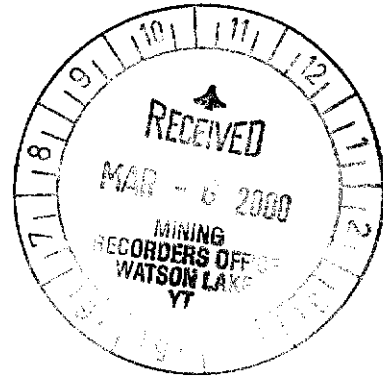
**Assessment Report
Geochemical Survey
Elf Property**

Located within the **Elf Claims Group**,
NTS 095E/5
Latitude: 61.34°
Longitude: 127.95°

Wholly Owned by: **Hudson Bay Exploration and Development Co. Ltd.**
Mining District: Watson Lake

Written by: M. Buchanan

Work Performed from September 4 to September 22, 1999



This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 13,040.00.

M. B. R.
for Regional Manager, Exploration and
Geological Services for Commissioner,
of Yukon Territory.

Summary

The Elf property is located 175 km north of the town of Watson Lake along the Nahanni range road. Physiography on the property consists moderate to rugged terrain with elevations ranging from 1200m to 1825m. Vegetation on the property is comprised of conifer trees, willows and alders.

During the summer of 1999 a geochemical survey was conducted on the Elf claims. As a result of the survey a total of 253 geochemical soil/talus fine samples were collected from flagged grid and traverse lines. Preliminary results of the geochemical survey have outlined a 1200m x 400m multi-element soil anomaly.

TABLE OF CONTENTS

Introduction	1
Location & Access	1
Physiography	1
History of Exploration	1
Property Status & Ownership	1
Work Performed	5
Regional/Property Geology	5
Geochemical Survey	5
Results	6
Conclusions	6
References	7

LIST OF MAPS

Elf Location Map	2
Claim Map	3
Map Showing Work Phases	Back Pocket
Elf Geochemical Grid	Back Pocket

APPENDICES

Appendix 1	Detailed Program Expenditures
Appendix 2	Statement of Qualifications
Appendix 3	Employee List
Appendix 4	Geochemical Assays

Introduction

During the summer of 1998, while following up regional geochemical silt samples, a geochemical silt survey was conducted in the area now covered by the Elf claims. This preliminary survey confirmed the area as having anomalous gold, arsenic and bismuth values in stream sediments. During the month of September 1999, 4-6 personnel from Hudson Bay Exploration & Development completed two phases of exploration on the Elf claims. Phase I included a detailed geochemical grid over the southern portions of the Elf claims while phase II of the exploration involved the collection of soil samples along traverse lines in the northern portions of the claims. This report details the results of the geochemical sampling from the grid and traverses.

Location & Access

The Elf claims are located northwest of the headwaters of an unnamed tributary draining northwest into the Hyland River on the Coal River map sheet. Access to the property can be made by helicopter from the Hyland airstrip (~40km northwest) or from along the Nahanni Range road (~25 km to the west). Watson Lake is the nearest service centre and is located 175km south-west of the claims via the Nahanni Range road and the Robert Campbell Hwy (Figure 1)

Physiography

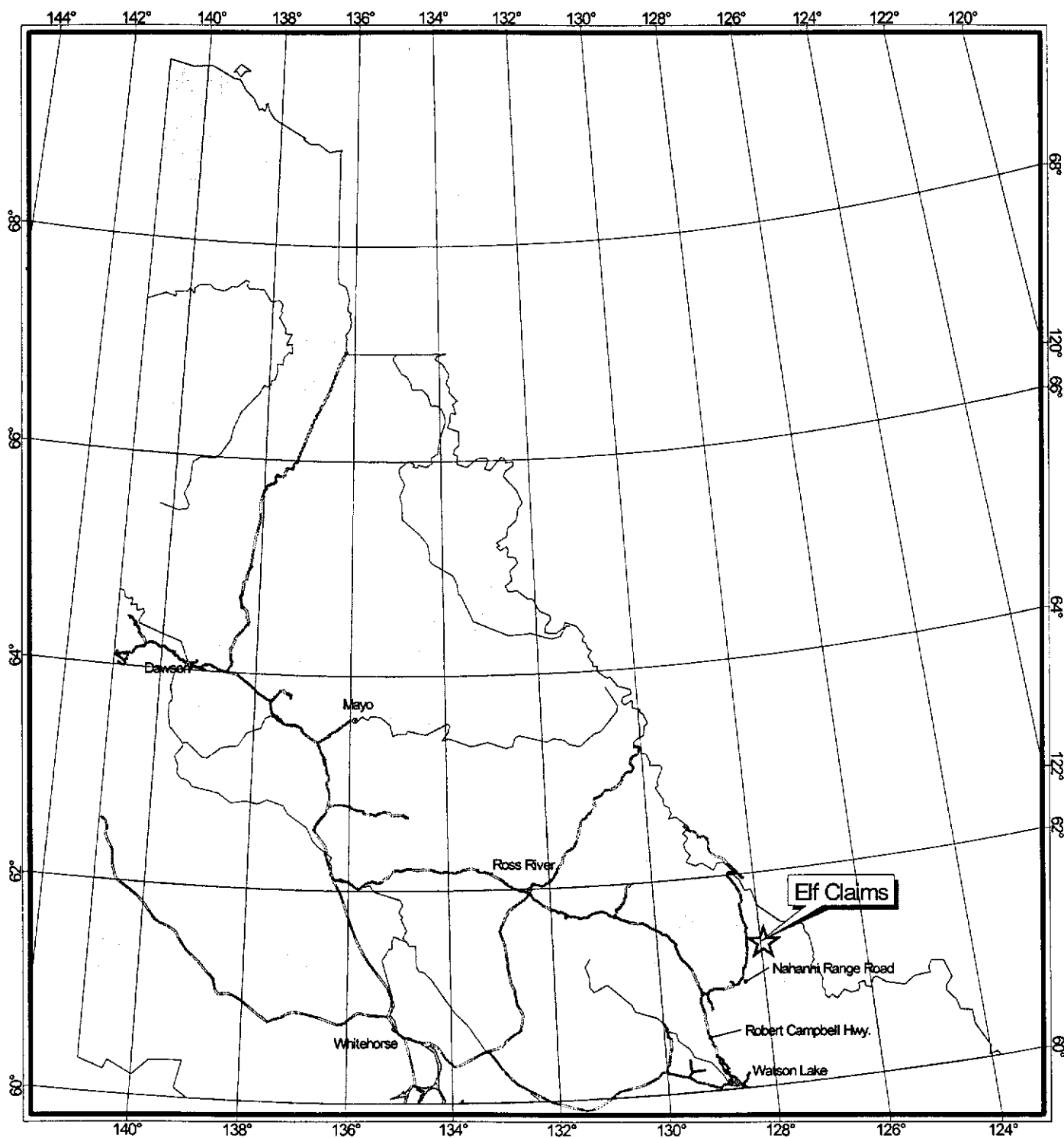
The Elf claims are situated in an area of rugged topographic relief with elevations ranging from 1200m to 1825m. Vegetation on the property is variable consisting of conifer trees, willows and alders in the valleys and minor scrub brush, abundant mosses, lichens and grasses on the hill tops. Outcrop is best observed on the hilltops, the steeper slopes and in creek cuts of the property.

History of Exploration

No recorded exploration is known to have occurred in the area.

Property Status & Ownership

The Elf property is composed of 48 two-post claims (Figure 2). The property is 100% owned by Hudson Bay Exploration & Development Co. Ltd. Table I outlines the grant numbers and expiry dates of all the claims referred to in this report.

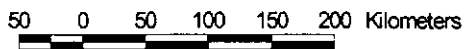
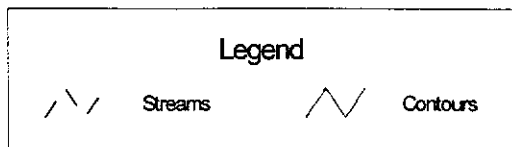
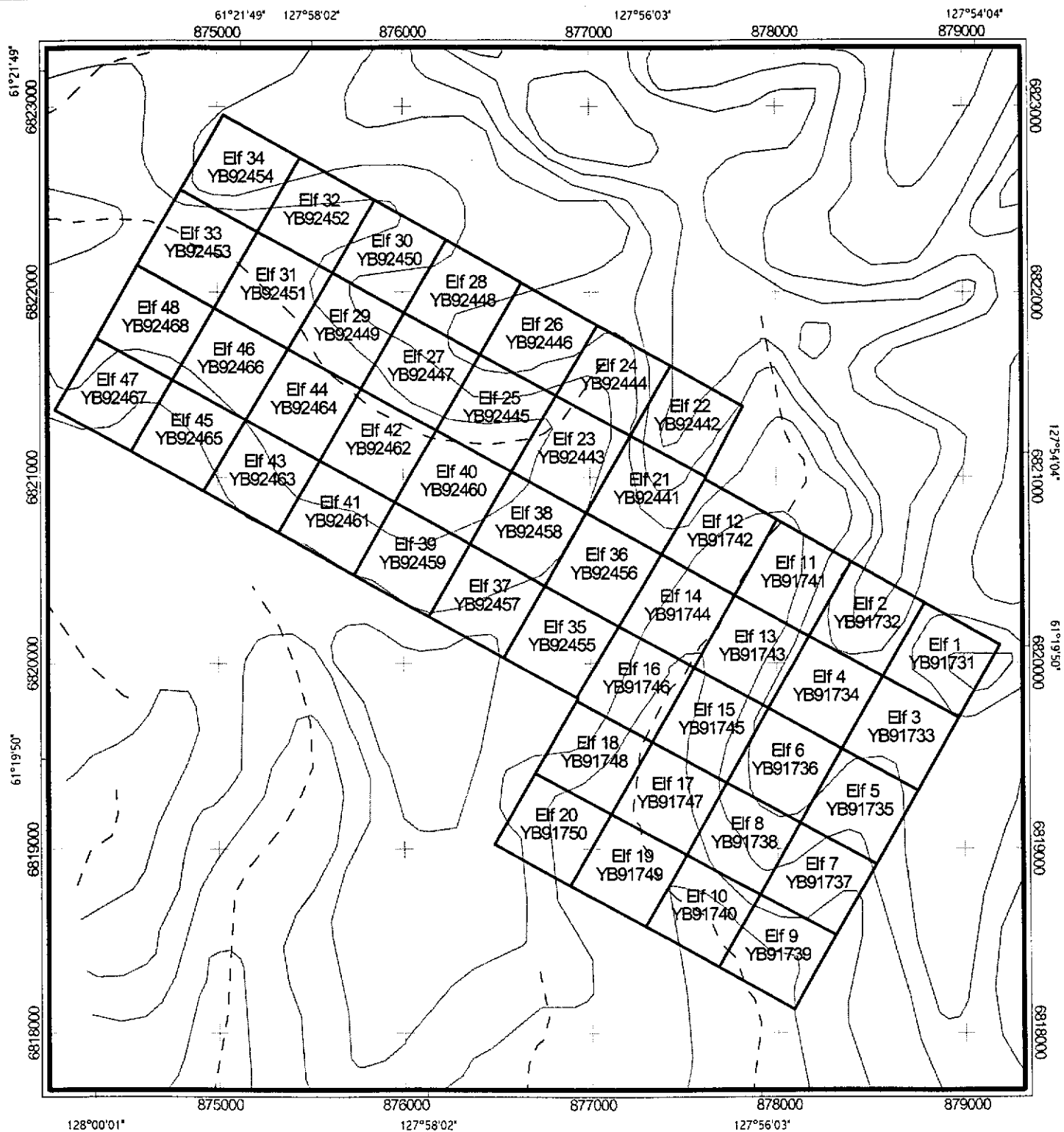


50 0 50 100 150 200 Kilometers

Hudson Bay Exploration & Dev. Co. Ltd.
Vancouver Office

Location Map
Elf 1-48 Claims

FIGURE - 1	SCALE	DATE: January 17, 1999
AUTHOR: MDB	1:6000000	FILE: elflocationmap.apr



Hudson Bay Exploration & Dev. Co. Ltd. Vancouver Office		
Elf 1-48 Claims UTM Zone 9 NAD 83		
FIGURE - 2	SCALE 1:30000	DATE: January 17, 1999
AUTHOR: MDB		FILE: elfclaimmap.apr

Table I Claim Status

Claim Name	Grant No.	Date Staked	NTS	Hectares	Expiry
ELF 1	YB91731	14-Sep-98	095E/05	21	15-Feb-02*
ELF 2	YB91732	14-Sep-98	095E/05	21	15-Feb-02*
ELF 3	YB91733	14-Sep-98	095E/05	21	15-Feb-02*
ELF 4	YB91734	14-Sep-98	095E/05	21	15-Feb-02*
ELF 5	YB91735	14-Sep-98	095E/05	21	15-Feb-02*
ELF 6	YB91736	14-Sep-98	095E/05	21	15-Feb-02*
ELF 7	YB91737	14-Sep-98	095E/05	21	15-Feb-02*
ELF 8	YB91738	14-Sep-98	095E/05	21	15-Feb-02*
ELF 9	YB91739	14-Sep-98	095E/05	21	15-Feb-02*
ELF 10	YB91740	14-Sep-98	095E/05	21	15-Feb-02*
ELF 11	YB91741	14-Sep-98	095E/05	21	15-Feb-02*
ELF 12	YB91742	14-Sep-98	095E/05	21	15-Feb-02*
ELF 13	YB91743	14-Sep-98	095E/05	21	15-Feb-02*
ELF 14	YB91744	14-Sep-98	095E/05	21	15-Feb-02*
ELF 15	YB91745	14-Sep-98	095E/05	21	15-Feb-02*
ELF 16	YB91746	14-Sep-98	095E/05	21	15-Feb-02*
ELF 17	YB91747	14-Sep-98	095E/05	21	15-Feb-02*
ELF 18	YB91748	14-Sep-98	095E/05	21	15-Feb-02*
ELF 19	YB91749	14-Sep-98	095E/05	21	15-Feb-02*
ELF 20	YB91750	14-Sep-98	095E/05	21	15-Feb-02*
ELF 21	YB92441	06-Sep-99	095E/05	21	7-Sep-01*
ELF 22	YB92442	06-Sep-99	095E/05	21	7-Sep-01*
ELF 23	YB92443	06-Sep-99	095E/05	21	7-Sep-01*
ELF 24	YB92444	06-Sep-99	095E/05	21	7-Sep-01*
ELF 25	YB92445	06-Sep-99	095E/05	21	7-Sep-01*
ELF 26	YB92446	06-Sep-99	095E/05	21	7-Sep-01*
ELF 27	YB92447	06-Sep-99	095E/05	21	7-Sep-01*
ELF 28	YB92448	06-Sep-99	095E/05	21	7-Sep-01*
ELF 29	YB92449	06-Sep-99	095E/05	21	7-Sep-01*
ELF 30	YB92450	06-Sep-99	095E/05	21	7-Sep-01*
ELF 31	YB92451	06-Sep-99	095E/05	21	7-Sep-01*
ELF 32	YB92452	06-Sep-99	095E/05	21	7-Sep-01*
ELF 33	YB92453	06-Sep-99	095E/05	21	7-Sep-01*
ELF 34	YB92454	06-Sep-99	095E/05	21	7-Sep-01*
ELF 35	YB92455	06-Sep-99	095E/05	21	7-Sep-01*
ELF 36	YB92456	06-Sep-99	095E/05	21	7-Sep-01*
ELF 37	YB92457	06-Sep-99	095E/05	21	7-Sep-01*
ELF 38	YB92458	06-Sep-99	095E/05	21	7-Sep-01*
ELF 39	YB92459	06-Sep-99	095E/05	21	7-Sep-01*
ELF 40	YB92460	06-Sep-99	095E/05	21	7-Sep-01*
ELF 41	YB92461	06-Sep-99	095E/05	21	7-Sep-01*
ELF 42	YB92462	06-Sep-99	095E/05	21	7-Sep-01*
ELF 43	YB92463	06-Sep-99	095E/05	21	7-Sep-01*
ELF 44	YB92464	06-Sep-99	095E/05	21	7-Sep-01*
ELF 45	YB92465	06-Sep-99	095E/05	21	7-Sep-01*
ELF 46	YB92466	06-Sep-99	095E/05	21	7-Sep-01*
ELF 47	YB92467	06-Sep-99	095E/05	21	7-Sep-01*
ELF 48	YB92468	06-Sep-99	095E/05	21	7-Sep-01*

* Pending acceptance of this assessment report

Work Performed

Work performed on the 3Ace claims was implemented in two phases by M. Buchanan, S. de Wit, A. Fonseca, S. Heffernan, G. Mulligan, D. Simms and J. Sparling of Hudson Bay Exploration & Development Co. Ltd. (See Appendix 3). The following outlines the phases of work completed during the 1999 exploration program:

Phase I

From Sept 4th to Sept 6th a crew of 4 HBED personnel established and sampled on flagged gridlines on the Elf claims. The grid consists of 1.5km of baseline and 8.5km of section lines positioned at 200m spacing. (backpocket) A total of 181 soil samples were collected at 50m station spacing and sent to Acme Labs in Vancouver, BC for 48 element ICP+MS.

Phase II

From September 20th to 21st a crew of 4 HBED personnel completed sampling along flagged traverse lines. (backpocket) A total of 65 soil samples were collected at 50m station spacing along the traverse lines and sent to Acme Labs in Vancouver, BC for 48 element ICP+MS.

Regional & Preliminary Property Geology

Regionally the Elf claims are located in a contact aureole of Lower Cambrian aged hornfels limestone, shale, quartzite, quartz grits, and pebble chert conglomerates of the Hyland Group. The sediment package has a variable strike from the northwest to northeast with a moderate dip between 40 - 70 degrees and is cored by a Cretaceous? quartz monzonite and granodiorites. (GSC Map 35-1964).

The preliminary property scale geology of indicates that the granitic intrusions outcrop in the northern part of the geochemical grid while hornfels sediments occur through the remaining portions of the grid. The best outcrops on the property exist along the ridges and creek cuts. Detailed geological mapping remains to be completed on the property.

Geochemical Survey

A total of 253 samples were collected from traverse and grid lines on the Elf property during the 1999 summer field season. The soil samples were collected from a homogenized 'A' horizon typically ranging in depth from 10 - 15 cm using geo-tools. Samples were placed into labeled kraft wet strength paper bags and submitted with standards to Acme Analytical Labs in Vancouver, British Columbia for 40 element ICP+MS. Complete analytical results can be found in the Appendix 4 in the back of this report.

Results

The geochemical survey has outlined one area showing anomalous gold, arsenic & bismuth +/- other associated elements in the soils. The soil anomaly is located in the northwest and southeast portions of the geochemical grid and has been labelled A1 (Map 2 Back pocket). The anomaly labelled A1 is approximately 1200m x 400m and is open ended to the northwest. Geochemical values for gold, arsenic & bismuth range up to +600ppb Au, +600ppm As and +150ppm Bi. Complete geochemical results can be seen in Appendix 4

Results of geochemical sampling along soil traverses north the geochemical grid have failed to indicate any further anomalous areas.

Conclusion & Recommendations

Results from the Phase I exploration indicate there is at least one multi-element Au-As-Bi geochemical soil anomaly on the Elf property. It is recommended that follow-up on the Elf property should include the following:

1. Detailed geological and structural mapping of the property focussing on the extent of the intrusive/hornfels rocks including areas outside of the known soil mineralisation.
2. Detailed prospecting and investigation of the soil anomaly.
3. Additional geochemical sampling to enlarge or close off the existing soil anomalies.
4. Following successful completion of items 1 through 3 a geophysical survey including Mag/VLF and/or IP should be conducted.

References

Elf Property Project Summary, 1998. Hudson Bay Exploration And Development Company Limited. Unpublished Report.

Geological Survey of Canada, 1964. Geology of the Flat River Sheet (NTS 095E), Yukon Territory & District of Mackenzie, Map 35-1964, 1" to 4 miles.

Yukon Minfile, 1996. Digital Compilation of Yukon Minfile, Hyperborean Productions on behalf of the Department of Indian & Northern Affairs and Her Majesty the Queen in Right of Canada.

Appendix 1

Elf 1-20 Expenditures (Sept 4th –6thth ,1999)

Geochemical Survey

Sampling					
188 Soil samples	@ \$25/sample		=		\$4700
Manpower					
2 – Geologists @ \$200/day		x 2days	=	\$ 800	
2 – Junior Geologist @ \$175/day		x 2days	=	<u>\$ 700</u>	
			Total		\$1500
Accommodations & Food (includes pilot)					
5 Persons @ \$50/day		x 2days	=	\$ 500	
Air Support					
1 Helicopter @ \$675/hr		x 3.2hrs	=	<u>\$2160</u>	
			Total		\$8860
Compilation					
1 Geologist @ \$250/day		x 2 days	=	<u>\$ 500</u>	
			Grand Total		\$9360
	Approx.		\$47/sample		

Elf 25-47 Expenditures (Sept 21st –22nd ,1999)

Geochemical Survey

Sampling					
65 Soil samples	@ \$20/sample		=		\$1625
Manpower					
2 – Geologists @ \$200/day		x 1days	=	\$ 400	
1 – Junior Geologist @ \$175/day		x 1days	=	<u>\$ 175</u>	
			Total		\$ 575
Accommodations & Food (includes pilot)					
4 Persons @ \$50/day		x 1days	=	\$ 200	
Air Support					
1 Helicopter @ \$675/hr		x 1.6hrs	=	\$1080	
Compilation					
1 Geologist @ \$200/day		x 1 day	=	<u>\$ 200</u>	
			Grand Total		\$3680
	Approx.		\$56/sample		

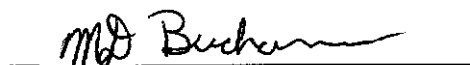
Appendix 2

STATEMENT OF QUALIFICATIONS

I, Michael Buchanan, of Vancouver, BC hereby certify that:

- 1) I am a graduate of the University of British Columbia, with a B.Sc. (Hon) in Geology (1995).
- 2) I am currently employed as a Project Geologist for Hudson Bay Exploration & Development Company Limited.
- 3) I am currently a member in good standing of the Association of Professional Engineers & Geoscientists of British Columbia (Geologist in Training).
- 4) The information contained within this report is based on published and unpublished reports of the area and work carried out in part and/or in full by myself and others under my supervision.
- 5) I have no interest in the Bay claims or any others within a 100km radius

Signed this day 28TH of FEBRUARY, 2000.

A handwritten signature in black ink, appearing to read "MD Buchanan", is written over a horizontal line.

Michael Buchanan
Project Geologist
Hudson Bay Exploration and
Development Company Limited

Appendix 3

Personnel

<u>Name:</u>	<u>Position</u>
Michael Buchanan Box 203 141-757 West Hastings St. Vancouver, BC V6C 1A1	Project Geologist
Steve de Wit PO Box 3107 Vancouver, BC V6B 3X6	Geologist
Jason Dunning 12041 234 th Street Maple Ridge, BC V2X 9K7	Geologist
Anna Fonseca P.O. Box 2703 Whitehorse, Yukon Y1A 2C6	Geologist
Scott Heffernan 1651 Harwood Street Vancouver, BC V6G 1Y2	Jr. Geologist
Geoff Mulligan 111 N. Ogilvie St. Prince George, BC V2M 3H4	Jr. Geologist
Darren Simms PO Box 1500 Flin Flon, MB. R8A1N9	Geologist
Gordon Smarch PO Box 499 Watson Lake, Yukon Y0A 1C0	Technician
Jim Sparling Box 61 Flin Flon, MB. R8A1M6	Geologist
Andre Tessier 138 Chatham Street Kingston, Ontario K7K 4H4	Geological Consultant
Daniel Tutt 689 St. Ives Cres North Vancouver, BC V7N 2X4	Jr. Geologist

Appendix 4

Phase I
September 4th to 6th, 1999

AA
11

GEOCHEMICAL ANALYSIS CERTIFICATE

AA
11

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2316 File # 9903443 Page 1 (a)

405 - 470 Granville St., Vancouver BC V6C 1V5 Submitted by: M. Buchanan

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm
RSHS-004105	.43	19.41	19.34	41.1	58.25	25.2	15.0	603	2.96	12.6	1.0	1.5	3.1	9.9	.05	.84	.38	13.07	.060	9.5	18.4	.48	32.0	.005	1.1	.27	.007	.03	<.2	.04	31	.2	.02	3.7	
RSHS-004087	3.31	253.15	30.31	80.9	150	55.5	23.8	325	7.45	67.5	3.3	33.7	11.1	38.7	.25	1.16	5.23	70.03	.090	30.6	47.8	.70	103.1	.076	1.2	.84	.019	.24	2.5	.26	38	.8	.23	11.7	
SDWS-003813	.51	43.99	17.72	48.1	90	21.7	10.8	337	2.55	56.1	1.2	6.5	3.0	4.8	.06	1.11	.42	17.02	.082	8.6	21.8	.46	26.9	.010	<1	1.54	.014	.03	<.2	.05	48	.4	.04	4.4	
SDWS-004175	1.60	82.43	17.82	73.7	101	30.4	20.8	592	4.41	19.2	2.0	81.8	2.3	116.5	.23	.73	12.27	44.06	.087	20.9	36.7	.63	130.4	.055	1.2	.30	.021	.22	.3	.42	50	.7	.40	7.3	
SDWS-003984	1.40	171.80	9.56	60.3	111	35.8	24.0	444	6.55	5.5	1.6	16.8	10.5	127.9	.12	.33	9.08	74.27	.091	28.4	55.1	1.04	103.6	.144	<1	3.04	.054	.50	5.5	.44	39	.6	.66	9.2	
DESS-003756	.70	19.60	20.43	51.1	46	18.5	7.0	226	3.05	50.3	.9	1.9	1.3	5.3	.10	1.12	.49	20.02	.087	9.3	14.9	.33	34.9	.011	2.1	.43	.010	.03	<.2	.05	39	.5	.05	4.5	
SDWS-003986	1.38	197.33	12.20	78.2	177	47.2	24.3	510	9.10	9.1	1.9	79.4	14.7	47.8	.16	.40	35.94	53.11	.096	21.5	45.7	.76	107.6	.104	1.3	.00	.029	.28	16.1	.26	13	.8	1.99	8.5	
DHSS-003743	.78	34.81	11.20	81.5	263	14.2	18.3	2213	2.21	12.3	.8	16.6	.3	101.0	1.12	.37	6.08	27.31	.118	10.3	15.7	.25	228.1	.015	1	.98	.017	.17	2.7	.19	101	.4	.22	4.1	
DHSS-004271	.68	14.34	10.56	31.1	56	7.9	3.7	396	2.00	10.3	.6	3.0	.2	8.1	.20	.42	1.85	37.02	.044	12.3	17.4	.18	51.8	.032	1	.87	.011	.06	.5	.10	30	.4	.05	6.3	
S 003815	.40	67.65	30.35	94.2	174	46.7	29.2	909	4.29	421.4	2.3	30.3	11.1	17.6	.05	2.03	.56	17.17	.040	15.9	31.4	.97	41.1	.002	<1	2.17	.006	.03	<.2	.02	21	.1	.06	6.1	
DESS-003632	.29	9.46	6.40	8.8	78	2.9	1.4	41	.69	4.4	.3	1.7	.1	15.0	.03	.16	.43	9.04	.072	5.1	6.0	.05	22.8	.004	<1	.25	.018	.04	.2	.06	37	.2	.02	1.2	
DHSS-003729	1.05	68.81	36.23	102.0	535	54.6	28.0	882	3.91	54.9	2.5	6.7	7.7	27.9	.34	7.68	2.80	60.10	.070	30.5	64.9	1.10	92.1	.060	3	2.93	.015	.26	11.5	.37	36	.4	.24	9.1	
RE DHSS-003729	1.12	70.91	36.70	105.7	552	57.7	29.0	925	4.05	56.3	2.6	7.9	7.9	29.7	.33	8.18	2.67	62.11	.073	33.3	68.0	1.16	97.5	.065	3	3.11	.018	.27	12.1	.37	35	.5	.14	9.4	
SDWS-004174	1.49	77.02	14.95	77.4	104	39.1	29.7	824	4.27	13.8	2.1	20.9	2.9	55.9	.23	.92	3.76	39.04	.100	29.1	26.2	.53	107.5	.046	1	2.02	.015	.22	.3	.38	56	.4	.16	7.4	
RSHS-004066 PULP	1.10	31.82	8.44	53.4	49	14.5	14.2	514	4.47	2.3	.7	.6	2.9	50.2	.08	.15	.28	175.53	.043	11.5	43.2	.58	90.3	.482	1	4.33	.164	.07	.3	.14	44	.5	.07	10.7	
RSHS-004076	1.38	69.79	18.60	69.0	438	31.6	7.2	182	1.74	43.3	12.7	13.2	1.4	67.7	.20	.77	5.31	20.61	.140	40.0	23.6	.39	83.9	.023	2	1.72	.033	.15	.7	.17	42	3.6	.11	4.0	
SDWS-003983	.41	111.12	10.31	57.7	93	42.2	38.1	1688	4.43	6.1	1.5	8.1	17.3	51.0	.16	.43	6.61	56.85	.066	31.6	34.6	1.01	55.6	.035	<1	2.91	.035	.33	2.0	.30	20	.2	.11	8.1	
SDWS-004145	1.34	127.91	11.92	82.8	129	58.5	33.8	785	6.55	8.7	2.7	21.6	13.9	44.9	.23	.39	7.11	64.17	.104	20.5	57.3	1.02	136.5	.131	1	3.21	.033	.54	6.0	.45	21	.8	.24	10.3	
SDWS-003985	.72	108.09	9.00	66.8	84	42.6	26.6	653	5.46	6.7	1.7	17.6	11.2	87.4	.22	.34	9.30	62.37	.058	22.1	44.6	1.04	90.8	.106	<1	3.01	.045	.31	3.3	.32	16	.5	.57	8.5	
DESS-003609	1.08	102.38	15.97	112.2	81	64.4	36.6	797	4.90	7.4	1.5	25.7	7.6	113.6	.26	.30	6.06	88.35	.082	16.8	100.7	1.66	205.8	.151	1	4.17	.086	.66	1.0	.57	17	.5	.22	10.8	
GSMS-004219	1.03	86.72	32.63	69.8	340	29.6	9.9	342	5.04	227.4	1.1	22.7	1.4	52.9	.24	.74	61.02	78.08	.071	16.7	83.0	1.12	151.6	.083	1	2.64	.023	.27	9.7	.32	53	.9	.17	11.5	
DESS-003618	4.25	176.92	48.03	103.8	206	70.7	54.3	931	5.78	11.8	3.3	15.7	15.6	105.2	.41	.21	7.47	67.50	.055	27.3	65.7	1.42	101.4	.080	<1	3.19	.050	.64	.7	.49	18	.4	.12	10.2	
SDWS-003808	.59	38.54	23.94	85.1	129	29.4	13.5	478	4.71	76.1	1.0	.4	7.0	2.9	.11	1.01	.61	21.01	.086	12.4	30.7	.62	22.6	.003	<1	2.02	.005	.02	<.2	.04	80	.6	.06	7.2	
SDWS-004159	.97	59.81	20.93	89.1	49	47.8	23.0	529	3.66	13.9	1.9	4.1	5.3	23.7	.21	1.20	1.98	60.11	.060	20.4	62.1	1.10	99.5	.101	2	2.89	.015	.18	1.9	.27	48	.6	.05	8.4	
SDWS-004165	1.40	120.21	14.34	67.6	143	30.1	21.7	665	4.61	80.0	1.8	29.5	4.4	31.2	.20	.57	10.92	44.05	.116	30.9	40.4	.59	124.1	.053	2	2.12	.029	.28	.4	.38	55	.9	.60	6.2	
GSMS-004191	4.59	142.35	17.99	65.4	129	38.1	29.9	602	5.32	8.3	3.0	34.9	11.8	95.5	.23	.32	27.78	72.45	.061	27.3	72.3	1.26	120.0	.118	1	2.79	.046	.55	6.9	.42	32	.3	.28	8.8	
DESS-003753	.44	34.04	32.23	81.8	49	37.4	18.4	457	3.77	79.5	1.2	3.1	11.1	5.6	.11	1.06	.77	15.05	.042	17.1	25.7	.70	31.4	.003	<1	1.93	.004	.03	<.2	.03	31	.3	.04	5.0	
D 003728	.98	68.96	13.74	75.8	95	46.1	27.9	916	3.66	9.8	2.2	7.6	6.9	29.5	.22	1.12	2.35	59.13	.079	19.1	52.2	1.06	136.0	.115	1	3.12	.028	.30	1.8	.36	29	.5	.09	8.7	
D 003719	1.35	70.39	23.44	139.5	59	44.3	27.2	841	4.23	14.2	1.5	5.7	4.8	17.2	.21	.68	3.56	47.08	.098	23.1	36.6	.85	130.0	.061	2	2.92	.011	.18	.8	.28	54	.7	.08	8.5	
DHSS-003746	.90	168.75	27.24	102.6	157	44.1	31.5	370	4.56	139.9	1.4	18.1	7.4	138.7	.28	.81	19.02	54.08	.054	20.7	46.0	1.12	179.1	.085	<1	3.49	.030	.32	.4	.40	28	1.0	.15	8.0	
DESS-003639	.41	25.85	25.54	51.4	44	19.0	20.4	854	2.24	50.7	.9	1.2	2.5	10.0	.09	.93	.55	11.07	.066	7.8	13.0	.39	33.7	.010	<1	1.33	.014	.03	<.2	.04	31	.3	.03	3.6	
DHSS-003747	1.50	89.65	24.04	80.9	94	29.5	16.4	582	4.51	21.9	1.4	19.8	2.6	47.8	.16	1.19	10.80	47.03	.071	20.9	44.9	.77	81.1	.053	1	2.23	.016	.11	.3	.22	34	.6	.09	7.5	
SDWS-003918	.57	29.89	28.81	65.9	71	24.6	12.8	432	2.85	81.9	.8	3.5	4.1	8.4	.04	1.04	.48	22.07	.063	16.1	25.7	.61	39.0	.013	<1	1.66	.014	.03	<.2	.04	14	.2	.03	4.8	
SDWS-003821	.41	37.14	27.86	97.9	31	44.7	23.5	814	4.09	27.4	1.0	.5	8.6	5.1	.09	.97	.39	19.06	.061	12.5	33.5	1.01	24.5	.005	<1	2.35	.004	.02	<.2	.02	34	.2	.04	6.2	
STANDARD DS2	12.87	128.54	30.00	163.1	257	36.6	12.2	822	3.17	66.2	20.4	203.5	3.3	29.3	11.49	9.38	10.89	80.54	.081	15.4	171.5	.60	144.1	.113	2	1.77	.041	.16	7.2	1.81	240	2.3	1.77	5.9	

GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS.

UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.

- SAMPLE TYPE: SOIL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 13 1999 DATE REPORT MAILED: Sept 22/99 SIGNED BY: C. Leong, J. Wang; CERTIFIED B.C. ASSAYERS



GEOCHEMICAL ANALYSIS CERTIFICATE



Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2316 File # 9903443 Page 1 (b)

405 - 470 Granville St., Vancouver BC V6C 1V5 Submitted by: M. Buchanan

SAMPLE#	Cs ppm	Ge ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Li ppm
RSHS-004105	.85	<.1	.16	4.2	.6	.4	.02	3.1	3.79	18.8	<.02	<1	29.2
RSHS-004087	6.27	.1	1.90	46.5	3.5	3.8	.11	3.9	7.60	61.0	.04	<1	26.8
SDWS-003813	.85	<.1	.39	4.2	.7	.3	.05	5.8	2.67	16.1	.02	1	32.2
SDWS-004175	8.59	<.1	1.58	41.5	1.4	1.4	.16	1.7	5.90	46.0	.03	<1	20.6
SDWS-003984	6.68	.1	1.81	64.4	5.8	3.8	.27	3.2	10.61	55.6	.09	1	32.2
JESS-003756	.64	<.1	.52	3.8	.4	.5	.06	2.5	2.11	18.4	.02	<1	22.6
SDWS-003986	4.58	.1	1.14	37.0	4.1	3.1	.19	3.9	6.48	42.3	.09	3	25.9
DHSS-003743	2.49	<.1	.84	30.7	.3	1.2	.17	.4	2.33	22.3	.02	<1	6.1
DHSS-004271	2.62	<.1	1.28	16.1	.4	2.2	.06	.5	1.83	23.9	.02	<1	5.3
SDWS-003815	.68	<.1	.05	2.5	1.5	.3	.02	4.5	9.35	27.7	.03	<1	73.4
JESS-003632	1.20	<.1	.07	5.3	.1	.5	.05	.3	.76	9.8	<.02	<1	1.6
DHSS-003729	12.09	<.1	1.07	38.4	5.2	2.5	.03	1.4	10.50	72.1	.04	<1	51.5
RE DHSS-003729	13.14	<.1	1.09	39.7	5.5	2.6	.04	1.1	11.25	78.9	.05	<1	54.8
SDWS-004174	8.71	<.1	1.86	44.1	1.4	1.0	.11	2.0	7.56	89.3	.03	2	22.1
RSHS-004066 PULP	1.12	.2	.46	5.3	9.6	1.5	.01	48.1	15.25	30.2	.05	2	11.0
RSHS-004076	9.17	<.1	1.30	23.7	1.4	1.6	.13	2.5	88.33	44.3	.03	<1	40.9
SDWS-003983	5.37	<.1	.21	47.3	6.0	3.3	.07	5.1	19.23	70.4	.16	<1	39.4
SDWS-004145	6.60	.1	1.75	71.9	5.9	3.2	.08	4.9	8.45	44.4	.06	1	41.5
SDWS-003985	5.13	.1	.86	47.3	4.9	2.8	.13	2.0	8.27	46.6	.07	1	31.8
JESS-003609	6.80	.1	.77	66.7	6.1	1.3	.19	6.1	6.40	33.5	.04	<1	44.1
GSMS-004219	5.25	.1	2.54	42.3	2.5	6.8	.19	1.5	4.57	33.2	.05	<1	27.0
JESS-003618	9.37	.1	.30	70.6	6.2	2.3	.14	8.0	11.60	57.4	.05	<1	65.8
SDWS-003808	.97	<.1	.29	3.5	.9	.4	.06	12.4	2.59	22.2	.02	<1	52.2
SDWS-004159	7.77	<.1	2.03	29.6	4.0	2.1	.05	1.8	5.94	42.0	.03	<1	48.1
SDWS-004165	6.99	<.1	1.27	43.3	2.7	1.7	.23	1.7	6.02	66.6	.05	1	22.0
GSMS-004191	10.45	.1	1.54	66.2	7.0	3.3	.17	2.7	15.13	58.2	.06	1	38.9
JESS-003753	.70	<.1	.16	3.9	1.0	.2	.02	7.0	3.42	32.2	.02	1	64.5
DHSS-003728	7.44	.1	1.69	43.7	5.1	2.0	.05	2.4	8.80	40.3	.04	<1	42.8
DHSS-003719	4.28	<.1	1.94	31.1	2.5	1.4	.04	2.1	4.97	49.1	.05	<1	55.5
DHSS-003746	5.88	.1	2.20	41.3	3.7	5.6	.17	6.4	6.15	43.9	.07	<1	35.7
JESS-003639	.61	<.1	.21	3.6	.5	.3	.02	1.7	3.02	16.2	.02	<1	24.0
DHSS-003747	4.80	<.1	1.40	24.9	1.7	2.7	.08	1.5	5.16	42.8	.04	<1	21.2
SDWS-003918	.62	<.1	.30	3.9	.9	.3	<.01	1.7	3.12	29.4	<.02	<1	36.7
SDWS-003821	.49	<.1	.26	2.5	1.2	.1	.01	8.6	3.35	22.8	.02	<1	70.6
STANDARD DS2	2.50	<.1	2.01	14.1	3.1	25.5	.02	4.3	8.07	30.9	5.58	2	13.7

GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS.

UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.

- SAMPLE TYPE: SOIL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 13 1999 DATE REPORT MAILED: Sept 22/99 SIGNED BY: C. L. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Fl	B	Al	Na	K	W	Tl	Hg	Se	Te	Ga																						
	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm																						
SDMS-004169	91	43	59	7	72	51	2	149	16	9	8	5	447	3	03	27	3	14	9	4	4	20	1	35	44	7	04	50	06	112	17	7	45	4	56	86	2	047	3	2	46	018	24	4	26	123	9	31	9	4							
GSMS-004035	1	30	232	77	7	55	42	3	306	21	3	11	8	257	10	10	5	6	1	3	90	3	15	7	84	3	02	44	323	38	82	13	089	16	5	85	3	1	42	109	2	204	1	3	04	106	1	32	4	7	80	8	1	0	44	13	3
SDMS-003810	26	28	85	16	24	48	3	75	16	9	9	4	688	2	19	7	0	1	2	1	9	3	6	48	0	10	1	01	1	85	13	69	068	15	0	10	3	26	48	5	014	2	86	037	04	<2	03	25	1	08	2	2					
SDMS-004153	93	101	44	17	81	99	9	57	40	9	36	6	894	4	81	24	5	2	2	6	4	6	9	26	9	33	84	6	29	42	06	073	29	5	38	3	84	93	2	066	2	2	91	013	22	6	26	23	9	06	8	3					
GSMS-004212	3	55	281	76	50	82	110	0	160	71	4	97	0	1805	10	21	236	7	3	0	318	1	12	9	71	9	16	33	17	66	56	03	095	21	1	59	1	1	24	138	8	048	1	4	10	015	52	2	48	13	1	3	1	03	11	7	
GSMS-004200	2	41	196	18	57	16	96	2	99	75	1	65	7	1040	4	99	20	0	4	0	19	2	10	8	158	5	28	56	16	51	47	50	071	36	8	40	9	1	27	95	3	031	1	3	58	034	50	3	42	22	6	30	10	1			
RSMS-004008	1	66	127	13	32	61	111	3	180	39	4	52	5	929	5	35	18	3	2	1	19	6	5	2	30	4	23	1	11	5	78	48	03	100	31	2	36	5	79	150	5	070	2	2	51	024	33	8	4	39	43	5	23	8	6		
GSMS-004205	1	69	257	12	10	15	102	1	479	68	6	121	0	3720	13	51	11	8	3	7	13	2	15	5	26	6	04	1	23	7	12	29	01	099	26	8	22	6	37	64	5	018	2	2	11	011	08	3	1	58	57	9	13	6	3		
JESS-003651	61	32	36	52	14	78	3	214	37	2	15	7	527	4	58	37	0	4	0	2	2	4	5	93	0	13	1	20	79	21	1	41	113	41	8	24	0	42	70	0	005	<1	1	80	008	04	<2	08	76	5	11	4	2				
JESS-003613	3	98	248	44	16	38	45	4	168	110	1	82	2	832	5	58	14	0	5	0	6	2	25	3	113	5	16	25	7	81	35	57	063	45	9	37	2	96	50	7	009	1	3	08	031	32	2	30	14	1	08	8	5				
OWSS-003723	1	19	61	32	18	97	108	9	81	37	2	25	3	817	3	55	15	4	2	3	5	8	8	3	28	6	26	83	1	53	38	08	094	28	5	32	0	69	88	2	063	1	2	71	012	17	6	24	64	9	10	7	4				
JESS-003633 PURP	1	04	32	37	7	34	54	9	42	14	1	14	3	567	4	48	2	8	7	<2	2	8	54	0	05	15	17	175	56	044	12	2	46	2	58	88	0	485	1	4	29	169	07	3	14	33	5	06	10	8							
GSMS-004186	5	10	99	96	26	20	90	7	114	57	1	42	4	1227	5	20	2	8	2	3	5	8	12	9	105	8	24	58	2	46	96	76	048	33	5	105	6	1	62	141	5	139	3	3	12	057	49	3	0	47	6	<1	13	10	2		
JESS-003634	44	13	15	3	24	14	3	388	5	3	2	2	111	80	3	7	6	10	2	1	14	7	05	13	2	61	14	04	091	5	1	7	7	14	29	9	005	1	64	022	06	7	08	54	3	06	2	4									
RSMS-004100	58	25	13	16	34	69	7	58	30	6	14	6	438	3	86	25	8	1	1	2	3	3	3	6	0	09	92	46	19	03	078	19	3	23	3	56	29	4	005	<1	1	38	004	04	<2	03	31	3	06	4	8						
RSMS-004064	1	20	134	19	9	45	69	0	67	54	3	36	8	741	4	00	9	1	1	5	116	6	2	3	25	4	12	48	21	26	63	08	065	24	9	59	8	1	10	84	4	075	1	2	91	015	29	1	1	38	29	5	1	27	9	2	
SDMS-003812	44	89	59	39	38	99	5	193	52	3	34	6	750	4	84	25	8	1	9	5	0	13	9	32	9	10	1	86	86	14	38	079	21	7	20	4	82	43	5	003	1	1	95	011	04	<2	03	30	3	12	5	0					
RSMS-004056	1	15	69	95	16	17	86	2	80	36	7	18	9	544	4	49	14	0	1	8	2	9	3	5	22	4	20	72	3	35	44	04	098	30	6	34	7	73	89	7	045	2	3	19	011	18	5	29	97	1	0	20	9	3			
SDMS-003819	57	61	33	35	71	68	8	84	28	7	14	5	481	3	10	34	2	1	2	2	7	6	4	8	9	04	96	56	17	08	075	9	3	21	4	65	64	1	003	1	1	96	010	04	<2	05	47	4	09	5	2						
SDMS-004157	1	40	106	03	19	42	116	4	103	48	6	30	1	846	4	83	18	6	1	9	18	9	14	5	25	2	14	94	16	67	52	08	127	35	3	48	6	98	114	2	094	2	3	07	029	44	4	47	38	1	0	15	9	3			
RSMS-004055	24	45	12	32	11	112	0	51	55	8	49	2	2264	6	18	15	9	5	1	2	2	15	6	82	0	24	27	1	35	22	46	048	44	0	18	8	1	27	47	5	003	<1	3	51	012	13	1	1	14	10	1	06	9	3			
RE RSMS-004187	5	20	157	10	12	97	71	3	120	39	6	35	0	902	6	43	5	5	4	4	28	2	13	3	139	1	17	31	12	39	73	52	066	29	9	85	4	1	25	184	4	101	3	3	13	051	46	13	3	36	25	3	96	9	9		
GSMS-004187	5	30	155	66	12	96	70	1	121	38	6	34	8	888	6	36	5	4	4	4	30	6	13	3	136	8	15	30	12	27	71	52	065	29	5	88	2	1	23	180	3	100	3	3	07	049	45	12	7	36	19	3	95	9	8		
RSMS-004189	77	71	72	44	20	110	2	107	55	2	52	5	844	4	40	33	2	3	6	3	5	16	0	11	3	08	1	93	54	17	04	045	24	9	24	2	64	39	4	004	1	1	85	004	04	<2	06	28	4	06	4	8					
SDMS-004172	93	22	14	14	74	60	9	83	17	7	6	3	222	2	68	12	1	8	6	7	1	3	9	5	11	40	1	78	53	04	052	16	3	44	8	69	56	0	061	1	2	33	010	11	5	19	51	8	07	8	7						
SDMS-004146	94	63	41	14	70	81	6	79	45	8	23	9	561	3	68	10	1	2	1	3	5	6	5	28	6	15	1	20	1	25	60	12	078	20	0	55	7	1	12	121	5	112	2	3	22	024	31	1	0	34	43	8	06	9	0		
JESS-003648	63	48	96	36	88	114	7	265	48	3	23	4	525	4	31	66	4	1	7	10	1	12	1	35	0	11	3	34	50	13	50	063	27	1	12	0	58	42	6	003	1	1	38	008	05	<2	04	30	3	13	3	3					
JESS-003620	1	25	58	54	10	49	86	0	45	39	0	54	4	1704	4	64	5	6	1	8	14	0	4	5	22	6	13	1	55	1	95	38	04	062	32	5	32	7	68	103	1	047	2	2	13	012	20	2	34	38	5	07	6	0			
SDMS-004173	1	87	118	71	15	27	83	3	66	71	3	95	9	1169	5	21	9	9	3	2	39	2	6	7	124	8	14	1	06	10	41	37	07	083	35	6	32	3	68	124	3	058	1	2	35	026	31	2	50	43	6	43	7	3			
RSMS-004083	1	96	100	93	23	03	76	2	87	64	2	55	1	702	4	72	11	8	2	1	19	0	4	1	105	3	17	79	6	13	45	06	089	27	4	31	7	66	101	9	060	1	2	44	014	23	8	37	55	9	50	7	7				
JESS-003751	64	37	17	44	84	89	2	60	27	7	18	7	1010	4	39	25	7	2	0	1	2	2	9	10	5	15	85	52	20	09	087	15	5	20	4	48	48	2	008	1	1	81	010	04	<2	05	25	5	07	5	2						
OWSS-003749	1	12	91	87	62	24	94	9	246	27	6	13																																													



SAMPLE#	Cs ppm	Ge ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Li ppm
SDWS-004169	6.43	.1	3.70	50.4	1.0	2.3	.15	1.4	3.18	33.8	.03	<1	19.7
GSMS-004035	14.30	.2	.97	170.1	8.2	5.6	1.30	7.4	3.23	33.9	.06	<1	33.1
SDWS-003810	.25	<.1	.30	2.7	3.0	.2	.05	3.8	12.38	28.1	.05	<1	18.3
SDWS-004153	6.49	.1	1.36	33.1	2.8	2.0	.06	1.6	6.42	55.7	.06	1	55.1
GSMS-004212	11.60	<.1	.22	60.9	5.0	2.3	.10	4.7	7.68	42.1	.04	<1	56.2
GSMS-004200	11.89	<.1	.73	70.0	4.1	1.7	.12	3.2	10.89	73.8	.03	<1	61.7
RSHS-004088	9.15	.1	1.99	60.7	2.4	2.3	.17	1.7	6.27	68.8	.05	<1	35.7
GSMS-004205	12.57	.1	.32	12.1	2.9	.9	.13	3.0	6.84	59.9	.04	<1	26.5
JESS-003651	.76	<.1	.57	6.4	3.3	.6	.10	4.3	19.15	81.0	.05	<1	33.0
JESS-003613	8.43	<.1	.10	40.0	3.7	1.3	.12	7.5	15.99	86.8	.03	1	58.4
DHSS-003723	4.14	<.1	1.91	27.4	2.4	.9	.05	2.0	6.63	54.1	.03	<1	54.7
JESS-003633	1.16	.2	.52	5.5	10.0	1.1	<.01	43.9	14.93	29.9	.05	1	11.4
GSMS-004186	21.97	<.1	.14	58.7	11.2	2.0	.02	7.3	17.79	71.1	.07	<1	32.7
JESS-003634	1.84	<.1	.14	11.4	.1	.8	.07	3.2	1.03	9.1	<.02	<1	3.3
RSHS-004100	1.15	<.1	.29	5.9	.6	.3	.04	3.0	2.70	34.9	.02	<1	32.2
RSHS-004064	10.91	.1	1.34	66.6	3.1	1.5	.06	1.6	7.25	55.6	.03	<1	40.8
SDWS-003812	.74	<.1	.09	2.9	3.2	.2	.02	8.8	12.15	37.2	.04	<1	54.2
RSHS-004056	6.15	<.1	2.60	29.7	1.8	1.3	.09	1.2	4.74	55.3	.02	<1	43.7
SDWS-003819	1.11	<.1	.26	5.0	1.3	.3	.04	7.5	6.63	15.4	.03	<1	49.6
SDWS-004157	8.68	<.1	1.57	56.0	3.8	1.7	.04	7.6	6.02	67.8	.05	<1	46.4
RSHS-004055	5.94	<.1	.12	16.5	2.0	.6	<.01	5.8	9.59	78.8	.03	<1	55.7
RE RSHS-004187	19.92	.1	.63	45.0	8.2	2.1	.14	6.2	17.73	59.3	.06	<1	32.1
GSMS-004187	19.57	.1	.60	45.0	8.1	2.2	.13	5.9	17.49	58.7	.06	1	31.6
RSHS-004109	2.40	<.1	.16	4.5	1.7	.3	.02	3.1	4.87	44.3	.04	<1	49.4
SDWS-004172	5.71	<.1	2.24	24.3	1.9	1.8	.05	1.0	2.83	30.7	.03	<1	30.1
SDWS-004146	8.23	.1	1.93	45.0	4.9	1.4	.04	1.9	6.92	39.2	.03	<1	45.4
JESS-003648	.50	<.1	.11	3.0	3.4	.2	.01	9.1	14.92	46.9	.04	<1	38.4
JESS-003620	8.39	<.1	.94	30.9	1.9	.8	.06	1.4	5.60	67.4	.03	1	52.2
SDWS-004173	12.62	.1	1.33	53.0	2.2	1.1	.13	2.7	12.56	88.5	.03	<1	34.7
RSHS-004083	8.78	<.1	2.03	45.5	1.8	1.0	.07	2.3	7.20	54.0	.03	<1	28.9
JESS-003751	1.44	<.1	.35	7.0	1.2	.4	.04	2.0	5.77	36.9	.05	2	40.7
DHSS-003749	11.81	.1	2.23	47.9	3.8	19.8	.18	2.0	4.04	30.7	.06	<1	36.3
DHSS-003724	8.45	.1	.92	76.7	5.0	2.2	.01	8.2	6.13	49.7	.02	<1	65.8
RSHS-004067	8.77	<.1	1.75	70.2	2.0	1.2	.22	2.7	6.11	46.6	.35	<1	21.5
STANDARD DS2	2.72	<.1	2.02	15.1	3.2	23.1	.03	4.3	7.85	31.5	5.24	2	14.0

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Na	Ca	Fe	Zn	Ag	Al	Co	Mn	Se	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Cu	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Li	Hg	Se	Te	Ga	
	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SDWS-003811	40	39.40	37.91	71.8	139.28	8	17.3	603	3.40	12.7	1.5	4	2.4	56.6	12.1.28	27	11	99	094	19.5	4.6	.21	48.6	.009	1	86	.026	.03	<2	.03	53	6	.07	2.0		
SDWS-004171	1.51	221.74	17.60	79.1	79.68	3	18.0	827	6.77	179.6	2.4	133.8	10.3	49.7	24	97	16.69	65	07	.083	34.1	58.1	1.06	134.7	.092	1	2.69	.024	.42	.9	44	16	.9	87	8.0	
GSMS-004207	2.26	430.10	22.59	70.0	313.25	6	13.8	394	16.31	61.0	2.2	28.8	10.7	59.9	.06	.57	7.45	52	.02	.213	14.9	45.3	.94	114.9	.071	1	3.31	.049	.37	.3	31	35	2.0	.25	9.1	
SDWS-004152	92	181.52	11.94	129.0	51.51	3	31.5	664	5.51	319.1	1.7	12.4	7.0	51.2	.65	.70	16.32	73	.13	.061	17.8	59.2	1.43	138.6	.100	1	3.82	.035	.30	.4	29	14	.9	.07	9.7	
SDWS-003817	47	81.99	66.31	120.9	211.62	8	80.5	2391	4.73	435.6	2.4	26.3	18.4	17.1	13	2.44	83	17	.16	.029	13.2	32.0	1.04	62.9	.002	<1	2.22	.066	.03	<2	.04	16	.1	.09	6.1	
RSMS-004079	2.56	49.33	68.62	154.0	68.33	7	19.1	672	3.86	19.5	2.7	10.3	8.0	13.7	32	1.02	2.50	41	.05	.046	37.0	32.9	.95	115.8	.043	1	2.60	.010	.12	.7	17	24	.3	.19	6.6	
RSMS-004059	1.91	164.13	20.13	84.1	152.57	6	63.9	1946	6.08	13.5	2.2	11.9	1.7	40.0	25	.72	9.46	69	.04	.144	25.3	83.0	1.03	113.9	.042	<1	3.46	.019	.22	.2	32	72	1.1	.10	9.5	
DRSS-003731	1.80	110.34	12.31	76.8	90.39	1	34.3	1273	4.52	11.1	1.6	115.2	4.6	32.0	.09	.56	5.51	41	.04	.106	26.2	35.5	.65	94.7	.055	<1	2.72	.016	.18	.4	.24	29	.6	.09	7.9	
JESS-003643	43	41.25	67.94	97.5	220.32	1	26.0	795	3.34	264.7	1.8	21.2	7.2	19.7	.08	2.43	.45	13	.17	.043	9.9	17.5	.60	39.3	.004	<1	1.72	.010	.03	<2	.05	29	.3	.04	4.3	
DRSS-003739	44	63.69	7.39	54.0	59.67	5	26.8	513	3.76	22.6	1.1	49.5	4.6	74.6	.15	.30	5.09	88	.45	.046	11.8	196.7	2.32	158.7	.200	<1	4.23	.055	.47	.3	63	23	.3	.07	11.6	
SDWS-004163	1.60	102.25	12.37	84.1	68.39	7	22.8	722	4.56	14.3	1.1	67.9	1.7	22.6	.17	.58	20.11	88	.07	.073	16.0	66.4	1.22	90.0	.097	1	3.32	.018	.17	1.8	.31	57	.9	.66	11.5	
RSMS-004073	86	43.76	8.81	37.2	228.16	0	5.4	215	2.31	23.0	.8	3.1	.1	33.0	.14	.35	4.49	29	.06	.139	14.1	22.4	.53	84.8	.012	<1	1.55	.021	.17	.6	.21	72	.5	.04	4.8	
SDWS-004003	64	41.37	20.87	71.2	112.28	2	20.7	1454	3.78	52.4	28.6	3.6	2.5	83.4	.35	.36	.41	17	1.45	.100	8.3	22.8	.57	89.5	.008	1	1.77	.016	.03	<2	.05	77	2.2	.07	4.6	
GSMS-004188	6.40	179.43	23.50	92.0	176.44	8	43.8	1148	7.03	4.6	3.8	23.7	12.1	121.9	.33	.22	12.53	70	.61	.059	26.1	71.8	1.09	137.1	.073	2	2.90	.057	.41	5.5	.35	19	.4	.93	8.3	
DRSS-003738	1.24	263.52	13.40	71.4	122.32	6	27.1	625	4.67	75.1	1.9	51.1	4.1	38.6	.39	.61	26.19	54	.14	.127	19.9	39.2	.99	131.1	.086	1	3.49	.024	.31	.5	.33	108	1.4	.47	8.6	
DRSS-003720	1.12	95.82	27.73	112.3	126.43	7	32.3	955	4.99	13.3	2.5	6.7	6.2	20.9	.26	.64	9.34	39	.08	.101	29.7	34.1	.88	106.0	.050	1	2.93	.012	.16	.7	.20	78	.8	.11	7.8	
JESS-003612	1.49	517.23	26.64	93.4	268.79	7	43.0	842	8.35	15.1	3.8	103.2	15.5	118.5	.12	.24	35.73	80	.12	.099	26.4	99.5	1.67	148.8	.123	<1	5.66	.044	.71	13.3	.56	37	.4	.46	14.6	
RE JESS-004084	2.75	68.29	28.85	114.0	110.67	8	68.5	1579	5.57	9.2	2.5	14.7	3.4	26.3	.14	.75	4.75	46	.03	.070	28.0	34.6	.74	134.6	.057	1	3.05	.010	.18	.5	.38	73	.9	.42	7.9	
GSMS-004218	93	47.20	21.93	62.4	263.22	6	9.2	474	4.48	33.6	1.0	4.0	5.3	30.2	.18	.66	7.04	63	.06	.060	20.6	45.0	.68	89.0	.075	1	2.20	.013	.15	.5	.21	62	.5	.09	10.1	
RSMS-004084	2.68	64.78	27.45	113.4	108.66	4	66.4	1552	5.46	9.0	2.4	27.9	3.2	25.7	.17	.69	4.39	46	.03	.070	27.5	36.0	.71	130.1	.055	1	2.96	.009	.17	.4	.38	75	.8	.44	7.8	
SDWS-003814	32	16.56	11.59	28.5	48.11	8	6.0	182	1.67	11.2	.5	.5	.7	4.6	.04	.42	.20	15	.04	.073	6.3	6.1	.29	26.7	.008	<1	1.14	.019	.02	<2	.03	33	.2	.03	4.1	
SDWS-004147	93	61.28	23.56	76.7	403.51	5	26.5	747	3.76	54.1	2.3	10.8	10.8	44.9	.28	9.35	1.80	55	.16	.064	34.0	58.2	1.08	106.3	.074	1	2.70	.021	.34	10.8	.37	17	.3	.10	8.1	
DRSS-003727	1.03	94.26	12.11	79.9	60.54	4	30.0	841	4.28	10.1	1.8	13.3	9.0	51.4	.23	.47	5.37	72	.18	.074	21.7	96.5	1.43	203.9	.166	1	3.83	.039	.43	3.0	.44	19	.5	.07	10.1	
GSMS-004216	2.60	100.97	108.64	117.4	727.25	7	27.3	902	5.75	101.6	1.5	83.5	3.3	76.9	.39	1.66	18.34	59	.06	.093	22.1	30.8	.43	126.7	.065	<1	2.19	.020	.14	.7	.22	59	.7	.13	9.9	
JESS-003644	39	8.19	7.87	21.1	51.5.3	2	8	119	1.13	17.2	.5	.7	.2	5.8	.05	.34	.33	15	.05	.054	5.4	3.2	.13	28.6	.012	<1	.86	.019	.02	<2	.03	29	2	<.02	3.4	
GSMS-004033 MCLP	1.07	33.29	8.07	54.5	41.14	9	14.3	554	4.51	2.7	.7	.5	2.6	51.7	.11	.16	.23	180	.53	.045	12.1	43.0	.60	93.3	.501	<1	4.47	.162	.07	.3	.13	42	.3	.07	10.8	
SDWS-004182	32	5.49	3.60	8.1	82.2.5	1	2	36	6.0	3	3.6	<1	6.1	.05	.11	.67	11	.03	.040	3.5	3.6	.08	22.2	.010	<1	.53	.024	.03	<2	.06	25	1	.02	2.6		
RSMS-004101	65	22.62	15.07	64.7	66.25	5	12.0	541	3.78	21.9	1.0	2.3	2.2	5.8	.10	.87	.40	22	.03	.099	16.1	21.2	.41	36.1	.004	<1	1.20	.006	.05	<2	.03	38	.3	.05	5.0	
RSMS-004062	2.19	135.78	31.14	80.3	89.99	9	129.3	3850	5.95	10.2	3.7	5.3	5.9	32.2	.22	1.21	7.01	37	.13	.092	32.4	29.5	1.07	115.9	.027	1	3.13	.010	.24	.3	.49	69	.3	.09	8.7	
SDWS-004154	1.09	88.90	24.05	108.5	103.32	8	30.2	1381	4.36	17.0	1.8	7.6	2.2	21.8	.50	.60	6.59	40	.04	.093	22.1	30.1	.75	81.4	.043	1	2.77	.014	.13	.6	.20	75	.7	.08	7.4	
SDWS-003804	92	16.55	17.03	70.0	80.24	2	14.1	958	2.90	28.4	11.6	1.1	2.7	56.6	.26	.51	.39	15	.94	.125	7.7	20.3	.57	47.5	.005	<1	1.45	.009	.03	<2	.04	25	.2	.05	4.6	
SDWS-003816	53	80.99	101.37	138.2	251.49	7	49.1	1647	4.80	639.3	2.8	31.4	13.7	10.9	.09	2.44	.73	18	.10	.037	18.1	26.9	1.01	40.0	.002	<1	2.23	.006	.03	<2	.03	30	.2	.13	6.5	
GSMS-004206	2.31	156.08	26.39	125.2	77.78	7	95.2	3671	9.74	72.0	3.0	45.6	5.0	20.4	.16	.98	9.51	47	.03	.098	24.5	31.8	.64	120.2	.023	2	2.56	.007	.08	1.2	.43	75	1.0	.56	10.4	
RSMS-004085	3.08	90.33	21.74	97.7	104.44	4	26.2	761	5.74	7.8	2.4	98.0	7.3	45.6	.09	.85	4.70	48	.02	.077	34.1	32.4	.69	127.3	.064	1	2.32	.015	.21	.6	.35	32	.4	.56	8.5	
STANDARD D52	14.63	132.86	31.66	169.3	252.38	1	12.7	856	3.24	66.4	21.5	206.8	3.4	31.3	11.68	9.69	11.26	85	.55	.084	16.5	188.1	.66	158.3	.126	2	1.94	.045	.17	7.1	1.93	263	2.5	1.90	6.2	

Sample type: SOIL. Samples beginning 'RE' are Retests and 'RRE' are Reject Retests.



SAMPLE#	Cs ppm	Ge ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Li ppm
SDWS-003811	.34	<.1	.25	2.6	2.5	.3	.04	5.3	16.11	35.6	.07	<1	15.0
SDWS-004171	9.45	.1	1.26	61.7	4.5	2.7	.15	4.8	10.70	76.4	.07	<1	40.9
GSMS-004207	13.63	.1	.81	38.4	4.7	1.5	.56	5.0	3.97	30.5	.05	<1	42.2
SDWS-004152	9.98	.1	1.04	34.3	5.2	2.3	.12	3.3	5.70	35.7	.19	<1	51.8
SDWS-003817	1.02	<.1	.04	2.1	1.8	.2	.01	17.2	9.58	21.8	.03	2	79.2
RSHS-004079	4.78	<.1	1.06	19.7	2.5	1.4	.02	2.9	8.81	74.3	.04	1	38.8
RSHS-004059	8.06	.1	1.03	30.8	2.1	1.6	.16	1.0	6.79	51.9	.04	<1	58.7
DHSS-003731	7.38	<.1	.94	27.9	2.1	1.2	.06	.9	4.98	51.8	.03	<1	49.1
JESS-003643	1.00	<.1	.19	4.8	1.2	.2	.02	2.1	8.23	19.4	.04	<1	41.2
DHSS-003739	14.63	.1	2.42	69.6	5.7	4.8	.03	3.3	5.49	26.7	.03	<1	49.4
SDWS-004163	9.17	<.1	2.25	35.0	3.6	2.9	.09	2.0	5.25	36.2	.04	<1	35.6
RSHS-004073	3.96	<.1	.57	23.0	.3	2.0	.13	.2	2.71	26.1	.02	1	11.3
SDWS-003803	.52	<.1	.81	4.0	1.2	1.4	.21	7.7	6.40	13.1	.02	<1	42.9
GSMS-004188	15.02	<.1	.27	38.3	7.4	2.2	.15	6.4	17.34	55.4	.07	<1	28.2
DHSS-003738	9.21	.1	2.34	42.2	3.4	2.1	.13	3.3	6.03	39.3	.04	<1	36.3
DHSS-003720	6.05	<.1	1.37	23.5	2.1	1.1	.07	2.3	6.72	57.9	.04	<1	57.6
JESS-003612	13.16	.1	1.85	82.6	7.3	2.5	.33	8.6	8.39	57.6	.08	2	65.7
RE JESS-004084	9.39	<.1	1.63	41.6	1.7	1.3	.05	1.4	7.34	58.5	.03	<1	52.6
GSMS-004218	4.92	<.1	2.46	33.5	2.0	5.3	.06	2.6	4.09	39.1	.05	1	22.4
RSHS-004084	9.13	<.1	1.57	40.5	1.7	1.1	.05	1.4	7.00	56.9	.04	<1	51.2
SDWS-003814	.63	<.1	.20	2.9	.3	.2	.05	2.1	1.31	11.0	<.02	<1	21.0
SDWS-004147	13.53	<.1	.51	44.7	5.6	2.0	.02	2.5	10.92	72.4	.03	<1	41.4
DHSS-003727	7.92	.1	1.34	60.7	5.1	2.8	.05	4.2	8.47	44.4	.05	<1	42.8
GSMS-004216	5.42	<.1	1.81	36.5	1.5	4.2	.08	1.7	5.23	43.2	.10	<1	18.7
JESS-003644	.45	<.1	.18	3.5	.2	.3	.03	.3	1.05	10.2	<.02	<1	7.8
GSMS-004033 PULP	1.17	.1	.52	5.3	9.5	1.5	<.01	48.3	15.73	30.5	.05	<1	11.2
SDWS-004182	1.02	<.1	.16	4.7	.1	.6	.02	.2	.64	6.5	<.02	<1	1.9
RSHS-004101	1.24	<.1	.24	7.5	.5	.4	.04	1.8	2.43	30.2	.02	<1	23.0
RSHS-004062	13.50	<.1	.68	35.0	1.9	1.2	.06	2.8	15.02	103.3	.05	1	109.0
SDWS-004154	6.23	<.1	1.53	20.5	1.7	1.4	.09	1.2	4.32	42.8	.04	<1	49.5
SDWS-003804	.49	<.1	.41	5.3	1.0	.7	.11	3.7	1.97	14.5	<.02	1	39.0
SDWS-003816	.67	<.1	.04	2.3	1.7	.3	.01	7.1	7.70	31.3	.03	2	79.3
GSMS-004206	13.94	<.1	.56	19.0	2.4	1.1	.05	1.1	6.14	50.9	.04	<1	48.2
RSHS-004085	7.38	<.1	1.43	41.8	1.8	1.2	.09	2.4	6.94	67.7	.03	1	36.1
STANDARD DS2	2.78	<.1	1.97	15.2	3.2	25.8	.03	4.5	8.14	32.6	5.68	2	14.0

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm
JESS-003616	4.52	180.90	48.63	101.0	167.73	44.55	0.919	6.25	11.3	3.5	9.9	14.2	111.1	.50	.24	11.29	65	.53	.052	25.1	66.9	1.44	103.3	.079	1	3.17	.055	.67	.6	.49	10	.4	.12	10.5	
DHSS-003735	1.50	61.51	18.37	98.1	181.29	8.25	1344	4.38	8.8	1.8	3.3	.8	39.6	.75	.56	2.68	38	.15	.161	25.7	26.6	.51	210.6	.025	3	2.73	.012	.18	.3	.19	109	.9	.04	8.3	
SDWS-004168	.87	51.28	7.52	50.0	124.20	1.85	463	3.80	53.6	1.3	45.5	2.4	28.4	.37	.41	5.37	52	.06	.085	27.8	43.2	.70	135.9	.078	2	1.94	.020	.46	.2	.39	69	.6	.23	8.8	
RSHS-004060	1.68	89.86	12.11	63.9	44.26	13.0	373	3.92	9.1	1.6	4.5	3.8	24.3	.15	.82	3.81	43	.05	.063	27.0	34.4	.61	75.9	.049	1	2.00	.016	.13	.4	.22	29	.8	.04	6.3	
JESS-003647	.73	67.19	37.23	125.9	126.58	6.29	246	4.77	13.7	2.0	.9	12.3	155.8	.11	1.34	.62	8	3.56	.076	11.7	17.3	.54	28.2	.002	1	1.07	.004	.04	<.2	.03	30	.6	.12	2.7	
JESS-003617	1.44	14.65	18.85	60.4	60.61	8.5	665	2.60	1.5	2.2	.4	8.9	185.2	.15	.08	1.13	54	.91	.060	34.1	11.5	.70	298.0	.037	<1	3.20	.047	.33	.7	.28	18	<.1	.02	8.2	
GSMS-004203	1.51	164.78	41.38	97.4	136.64	6.58	1023	6.03	15.6	3.3	165.0	13.5	140.3	.36	.33	11.76	54	.36	.056	28.1	52.0	1.39	115.1	.071	<1	3.35	.040	.63	1.2	.49	18	.4	.21	10.1	
DHSS-003726	.54	48.71	15.51	81.1	38.49	4.20	471	4.04	5.1	1.2	2.4	11.2	34.4	.23	.48	1.19	80	.37	.038	17.9	86.9	1.63	158.0	.160	<1	3.43	.102	.87	.3	.52	12	.2	.09	10.4	
DHSS-003750	.58	19.81	54.83	40.5	89.11	5.44	345	3.52	16.2	.8	1.5	.7	11.9	.13	.46	1.39	39	.03	.064	15.3	29.6	.40	52.2	.034	<1	1.48	.006	.11	.2	.16	45	.5	.04	8.3	
SDWS-003805	.17	8.40	4.60	19.6	45.44	2.3	115	.65	33.4	1.4	.9	.3	22.6	.08	.14	.12	7	.40	.050	3.3	3.3	.09	19.8	.018	<1	.89	.033	.02	<.2	<.02	14	.3	<.02	2.0	
RSHS-004069	1.20	128.26	16.83	70.0	354.26	21.0	923	5.64	52.5	1.8	277.5	5.5	66.6	.16	1.18	23.49	50	.03	.085	33.2	31.2	.57	156.1	.063	1	2.19	.022	.21	2.2	.31	25	.6	.20	9.5	
SDWS-004156	1.03	106.85	24.13	120.0	69.53	7.43	1163	5.40	31.6	2.5	23.5	10.9	28.4	.32	.66	18.49	51	.07	.083	31.8	48.0	1.04	111.4	.073	1	3.18	.015	.24	.7	.28	17	.4	.12	9.3	
GSMS-004197	1.25	439.21	88.26	62.7	349.70	5.65	506	6.81	12.3	3.6	406.0	16.2	119.9	.13	.41	120.77	45	.15	.084	23.9	32.8	1.23	69.8	.033	<1	3.62	.044	.61	.6	.44	12	1.2	1.96	8.8	
RSHS-004096	.48	27.18	22.03	79.6	29.41	5.17	558	4.93	21.3	.9	3.0	6.6	3.7	.06	.77	.99	18	.01	.068	19.9	33.0	.94	23.6	.006	1	2.16	.005	.02	<.2	.05	27	.4	.14	5.8	
SDWS-004178	.71	67.05	14.28	70.6	114.33	1.25	667	3.07	19.8	.9	237.1	1.3	30.1	.39	.62	92.35	45	.08	.062	14.8	48.8	.81	86.4	.058	1	2.16	.020	.14	.3	.18	57	.7	3.44	7.2	
SDWS-004150	.52	22.68	6.49	17.4	49.82	3.2	60	1.75	4.7	.7	1.6	.8	9.7	.12	.45	1.19	17	.08	.077	6.6	14.5	.18	42.7	.031	1	1.18	.019	.10	.2	.12	266	.7	.10	3.0	
JESS-003754	.66	62.16	50.57	118.4	157.51	3.24	674	4.80	14.1	3.2	2.5	10.4	21.6	.11	.63	.66	14	.31	.060	16.1	25.4	.83	41.7	.003	<1	2.05	.008	.03	<.2	.04	47	.3	.06	5.3	
GSMS-004194	1.52	238.74	27.31	77.7	97.66	6.28	1073	5.85	18.2	3.2	15.5	13.9	62.1	.19	.48	11.65	45	.11	.081	36.0	33.4	1.28	99.3	.046	1	3.35	.034	.38	1.5	.38	22	.8	.16	9.2	
RE GSMS-004194	1.49	238.43	27.40	77.2	105.66	6.37	1079	5.86	18.4	3.2	18.7	14.0	63.4	.19	.48	11.34	46	.11	.080	36.3	34.0	1.28	100.5	.047	1	3.37	.034	.38	1.5	.39	25	.7	.15	9.3	
SDWS-004155	.82	48.24	11.01	50.3	107.17	14.1	463	2.59	8.0	1.3	3.2	.8	13.8	.28	.40	2.34	22	.03	.071	15.6	16.0	.36	51.2	.024	1	1.64	.015	.08	.4	.16	62	.5	.03	5.2	
JESS-003646	.45	8.19	8.87	28.9	50.69	3.4	212	1.26	20.2	.6	.8	.3	10.9	.09	.57	.25	15	.09	.073	9.6	11.4	.12	50.6	.006	1	.72	.012	.03	<.2	.07	29	.3	.03	3.5	
RSHS-004086	1.91	91.73	17.30	76.0	105.30	5.26	623	4.95	13.8	2.1	39.9	5.4	50.5	.13	.65	5.79	40	.04	.082	24.3	29.9	.62	147.8	.068	1	2.28	.027	.30	.5	.34	35	.8	.53	7.0	
SDWS-004166 PULP	1.14	32.80	7.88	53.8	39.14	8.14	487	4.06	2.7	.7	1.3	2.9	51.8	.07	.13	.22	177	.53	.041	12.3	46.8	.58	90.3	.472	1	4.19	.156	.07	<.2	.14	36	.4	.04	11.0	
JESS-003755	.68	39.31	28.46	80.7	94.35	13.9	387	4.05	84.7	1.4	6.4	6.2	5.3	.13	1.49	.46	21	.03	.083	17.6	25.8	.65	39.1	.008	<1	1.99	.006	.04	<.2	.05	47	.3	.07	5.6	
JESS-003629	1.84	57.29	47.44	137.6	28.44	2.24	893	4.28	98.8	1.3	6.4	5.9	17.3	.18	1.07	3.92	60	.07	.057	25.8	53.1	.97	103.9	.074	2	2.88	.013	.21	1.5	.26	30	.6	.15	10.2	
RSHS-004106	.59	19.15	16.21	62.4	27.32	8.12	396	3.49	10.6	1.1	2.2	2.2	9.4	.13	.65	.38	23	.08	.065	17.4	29.6	.62	52.1	.011	1	1.73	.004	.04	<.2	.05	16	.4	.02	5.0	
SDWS-004149	.59	13.88	4.58	21.7	46.97	3.2	121	1.75	1.9	.4	.2	.8	24.9	.05	.21	.19	43	.14	.067	5.1	38.3	.48	45.9	.096	1	1.65	.062	.19	.4	.27	77	.6	<.02	6.2	
RSHS-004054	.41	244.98	20.04	69.9	48.53	9.33	606	6.46	7.8	2.3	2.4	9.1	72.7	.11	.18	1.43	71	.28	.073	17.4	83.2	1.75	61.5	.008	<1	4.00	.011	.10	.4	.11	15	.3	.03	9.1	
SDWS-004185	.82	115.05	21.58	133.9	109.93	8.64	1270	6.11	8.5	4.3	9.9	12.4	220.3	.21	.34	4.38	55	1.03	.092	36.1	61.0	1.64	92.7	.033	3	3.75	.058	.20	.8	.38	45	.2	.24	11.0	
DL J03623	.81	42.05	9.37	59.2	59.29	19.6	1437	4.08	10.1	1.4	15.6	.7	13.1	.18	.38	6.21	67	.05	.097	21.9	70.6	1.08	93.0	.041	2	3.53	.012	.38	<.2	.36	72	.9	.29	9.5	
GSMS-004220	.65	48.75	30.47	81.7	244.33	0.11	362	3.78	34.6	.9	11.8	.8	130.5	.27	.69	3.48	54	.07	.059	17.9	56.8	.98	136.4	.042	1	2.82	.019	.14	.2	.23	43	.5	.08	9.7	
GSMS-004217	.93	50.63	20.93	59.6	206.22	7.11	631	4.47	70.2	.9	6.0	6.0	27.6	.18	.53	10.18	68	.04	.057	18.3	48.8	.80	102.9	.120	2	2.43	.018	.20	.3	.25	60	.6	.08	11.4	
DHSS-003736	.65	69.25	6.90	58.1	24.39	8.16	483	3.76	4.6	1.4	19.3	13.5	20.0	.11	.24	2.97	24	.07	.071	46.5	25.3	.61	116.6	.060	2	2.24	.019	.44	<.2	.34	16	.4	.08	5.9	
JESS-003645	.45	31.01	17.99	95.8	31.35	9.14	522	4.07	128.3	1.0	59.6	5.8	14.1	.11	.22	6.11	19	.02	.072	17.6	15.1	.35	21.0	.002	1	1.07	.002	.17	.8	.16	12	.1	.61	3.5	
STANDARD DS2	14.38	130.13	31.98	165.1	253.37	12.9	836	3.18	63.7	20.9	199.1	3.5	30.9	11.71	9.61	10.82	82	.55	.082	16.8	166.9	.61	145.1	.116	2	1.80	.041	.16	7.2	1.87	243	2.4	1.91	6.3	

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Cs ppm	Ge ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Li ppm
JESS-003616	8.90	.1	.21	75.5	6.0	2.5	.14	7.7	10.73	50.7	.05	<1	65.7
DHSS-003735	6.58	<.1	1.88	32.1	.6	1.3	.14	1.2	3.95	48.4	.03	<1	30.1
SDWS-004168	7.90	.1	2.63	75.9	2.1	3.1	.16	2.7	3.77	51.3	.03	1	19.2
RSHS-004060	5.19	<.1	1.28	21.8	1.6	.8	.09	1.3	4.66	51.5	.03	1	29.7
JESS-003647	.46	<.1	.04	2.1	3.2	.3	.09	17.5	10.80	21.4	.03	<1	35.2
JESS-003617	6.72	<.1	2.16	53.4	4.1	1.7	.02	1.6	17.07	73.2	.03	1	37.7
GSMS-004203	8.49	.1	.30	71.0	5.0	1.9	.10	7.1	8.94	53.3	.04	2	61.5
DHSS-003726	7.08	.1	.57	85.8	5.6	2.8	.01	7.0	4.99	33.0	.03	<1	53.7
DHSS-003750	2.70	<.1	2.42	20.8	.7	4.5	.07	1.9	2.91	26.6	.04	<1	9.1
SDWS-003805	.14	<.1	.49	1.4	.4	.3	.04	1.9	1.97	6.9	<.02	<1	5.9
RSHS-004069	6.41	<.1	2.09	48.0	1.8	3.7	.13	2.7	6.37	62.0	.04	<1	14.1
SDWS-004156	5.36	.1	1.08	34.1	3.5	1.3	.04	2.9	7.38	59.5	.05	<1	59.7
GSMS-004197	8.69	.1	.44	79.7	4.5	1.4	.27	10.0	12.25	49.2	.03	1	46.1
RSHS-004096	.64	.1	.37	3.6	1.0	.5	.02	6.0	2.39	35.3	<.02	<1	59.1
SDWS-004178	4.00	<.1	1.81	24.2	1.9	2.1	.10	2.2	4.40	46.1	.04	<1	24.2
SDWS-004150	1.64	<.1	1.77	12.4	.9	1.3	.18	2.0	1.90	12.1	<.02	<1	5.1
JESS-003754	.69	<.1	.18	3.5	3.7	.5	.02	10.4	15.70	28.9	.04	1	67.3
GSMS-004194	10.21	<.1	.52	40.6	3.9	1.7	.16	5.3	10.17	69.8	.04	<1	65.2
RE GSMS-004194	10.38	.1	.54	41.2	4.0	1.8	.16	5.7	10.42	70.4	.03	1	65.2
SDWS-004155	3.04	<.1	.87	14.3	.6	.6	.07	.5	2.48	28.1	.02	<1	27.9
JESS-003646	.71	<.1	.26	4.3	.2	.4	.05	.8	1.20	16.4	<.02	<1	8.9
RSHS-004086	5.97	.1	1.91	45.1	2.1	1.6	.17	2.3	5.16	45.9	.04	1	28.4
SDWS-004166	1.02	.1	.45	5.5	9.2	1.3	<.01	47.0	14.74	30.0	.05	<1	10.8
JESS-003755	.81	<.1	.30	5.5	1.1	.3	.02	4.8	3.04	31.0	.03	<1	47.3
JESS-003629	8.85	<.1	1.48	40.3	3.3	1.8	.03	1.5	4.65	48.6	.04	<1	57.5
RSHS-004106	.69	<.1	.31	6.2	.7	.4	.02	1.3	3.71	33.6	.02	2	41.2
SDWS-004149	5.07	<.1	1.69	32.0	1.5	1.4	.05	1.7	1.61	9.9	.02	2	12.8
RSHS-004054	4.49	<.1	.13	14.7	7.3	1.7	.02	6.0	10.35	31.7	.03	<1	56.0
GSMS-004185	23.77	.1	.65	26.6	5.8	1.9	.10	3.5	25.23	76.2	.15	1	47.9
JESS-003623	7.16	.1	1.76	61.8	1.6	2.1	.10	1.3	4.79	42.0	.03	<1	40.2
GSMS-004220	4.31	<.1	1.60	28.7	1.5	3.9	.06	.8	4.08	35.4	.05	<1	29.8
GSMS-004217	5.27	<.1	3.14	47.0	2.9	5.4	.06	5.9	3.41	32.9	.05	<1	26.2
DHSS-003736	5.98	<.1	1.20	49.8	1.6	1.0	.02	3.7	5.24	85.8	.02	<1	39.6
JESS-003645	3.13	<.1	.36	23.6	2.1	1.0	.01	1.3	5.23	33.1	.02	<1	41.4
STANDARD DS2	2.43	<.1	1.98	15.2	3.1	24.1	.02	4.4	7.89	31.5	5.58	<1	13.9

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE #	Na	Ca	Fe	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Cr	P	La	Cr	Mg	Ba	Fl	B	Al	Na	K	W	Ti	Hg	Se	Te	Ga																			
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm																			
JESS-003640	61	25	38	23	30	71.8	34	25	6	10.6	333	3.15	123	0	8	4	1	4	6	4.2	08	1.38	.40	19	02	053	11.6	24.1	.53	32.6	.007	2	1.55	.004	.04	<2	.05	28	4	03	4.8													
SDMS-003606	32	40	39	25	63	91.1	52	46	4	20.1	679	4.12	88	4	1.2	7	8	10	2	9.3	.07	1.07	.40	16	.10	049	28.1	25.2	.94	32.1	.004	1	2.06	.006	.03	<2	.02	18	3	05	5.5													
SDMS-004160	81	37	13	92	35	105	6	116	33	4	19.7	1244	3.55	9.4	9	2	8	1	8	21.1	.39	.64	1.32	63	.09	066	15.9	55.8	1.10	83.1	.056	1	3.06	.014	.13	.7	.20	45	.5	02	8.8													
RSHS-001003	2	19	17	31	10	94	85	9	15	41	9	24	5	540	3	73	16	3	2	0	9	0	10	6	26	0	14	18	2	10	26	11	034	35.6	35	2	79	78	1	030	<1	2	48	.007	.45	<2	.34	16	2	11	6.4			
GSMS-004169	3	13	32	40	25	93	74	1	146	8	4	9	7	615	2	37	2	2	2	5	12	8	12	4	184	5	28	.23	12	71	41	1.02	052	38	2	12	4	66	193	0	019	<1	2	90	.030	.33	.7	26	11	1	11	7.1		
DRSS-003744	62	51	91	40	41	92	1	156	23	3	15	1	556	3	53	24	5	9	10	7	1	0	57	4	27	.53	5	50	31	.03	093	18	7	22	7	.54	121	7	.027	1	1	81	.014	.18	2	0	.18	79	.6	09	5.5			
JESS-003650	41	22	60	19	76	78	0	57	28	0	8	7	284	3	23	29	1	1	6	8	5	0	31	7	08	.68	45	14	41	108	13	0	17	9	.51	69	4	.004	<1	1	61	.006	.03	<2	.04	23	.3	07	4.2					
RSHS-004070	1	03	41	23	10	09	40	6	168	15	7	10	1	354	3	13	13	9	9	6	7	.4	55	1	.16	.70	3	82	38	.05	067	13	5	13	5	34	105	5	.027	1	1	46	.015	.10	.5	.16	56	5	07	6.7				
RSHS-004104	57	17	38	17	77	56	5	48	24	7	11	5	488	4	06	11	3	1	1	3	2	1	5	1	16	.68	.39	18	.03	088	9	1	23	5	51	24	5	.008	<1	1	51	.003	.03	.6	.03	59	.4	03	4.9					
GSMS-004210	23	86	53	6	54	44	5	19	68	8	36	5	1207	3	83	1	1	1	1	23	4	6	7	119	4	05	.06	1	23	105	.98	.019	18	7	140	3	2	55	122	9	.021	<1	4	42	.034	.70	<2	.77	7	.1	15	11.4		
SDMS-004151	1	69	200	95	36	77	205	6	96	68	0	122	3	2947	6	58	132	5	3	1	10	1	9	1	28	1	57	.82	8	62	40	.04	.113	23	8	29	7	.84	111	4	.054	1	3	19	.012	.16	.6	.24	101	1	2	.13	7.7	
DRSS-003725	1	07	74	22	21	08	99	8	68	44	0	26	8	710	3	88	14	0	1	7	8	4	6	28	7	.18	.56	2	99	61	.12	079	21	1	68	2	1	11	112	6	.116	1	3	27	.026	.24	.8	.28	27	.7	.06	8.7		
JESS-003625	1	13	84	29	14	40	77	7	65	36	5	27	6	1007	4	47	16	7	1	7	27	3	8	5	27	6	.15	.83	5	03	44	.05	095	32	3	38	4	.81	105	6	.076	1	2	25	.019	.35	.3	.37	15	.8	.18	6.8		
SDMS-004148	.78	79	88	29	85	71	0	330	47	3	24	5	718	4	47	24	7	2	3	3	6	16	5	25	1	.19	10	24	1	71	35	.12	.051	39	1	39	6	.61	72	6	.015	4	1	68	.019	26	10	0	.30	42	2	.07	4.8	
RSHS-004097	90	16	62	15	36	52	4	25	18	9	8	1	398	3	61	13	3	.7	1	6	.3	6	8		.06	.59	.33	31	.02	.052	16	0	24	4	.42	37	3	.011	<1	1	33	.007	.03	<2	.05	25	.3	.05	6.7					
GSMS-004213	1	90	270	83	30	50	124	3	97	70	2	114	1	2105	7	16	56	1	2	7	143	0	8	4	99	9	.28	.26	17	04	74	.24	.100	20	1	81	0	1	67	172	3	.055	1	4	25	.022	.58	<2	.57	35	1	1	.77	11.1
RSHS-004089	2	42	214	24	24	53	88	9	217	53	3	42	5	656	6	68	44	3	2	5	144	3	6	2	115	5	.18	.87	37	01	60	.05	091	31	6	37	1	93	148	7	.083	1	2	72	.041	.39	6	3	.48	28	1	4	1.48	9.2
SDMS-003809	.48	47	87	33	37	89	7	108	42	8	22	3	595	4	05	19	4	5	2	4	10	2	29	1	.11	.83	.71	14	.57	.072	14	1	23	0	80	28	2	.002	<1	1	87	.008	.03	<2	.03	32	5	.09	5.3					
JESS-003757	.85	29	86	24	48	67	2	32	25	3	9	6	329	3	94	54	4	1	2	4	2	3	5	5	.08	1	55	.37	26	.02	.082	13	4	23	5	.46	34	0	.011	<1	1	65	.006	.03	<2	.07	30	.6	.06	6.3				
JESS-003641	53	25	55	23	16	71	0	30	27	2	10	5	296	3	26	126	4	8	4	5	4	7	4	1	.08	1	28	.21	18	.01	.046	12	6	21	7	.59	32	7	.007	1	1	64	.004	.03	<2	.05	26	4	.04	4.8				
RE JESS-003641	.49	24	29	22	33	69	5	25	26	8	10	3	296	3	13	122	6	.8	4	6	4	8	4	0	.07	1	26	.17	18	.01	.046	11	7	19	4	.57	32	2	.007	<1	1	61	.004	.03	<2	.04	20	.4	.05	4.6				
SDMS-004161	.86	38	82	87	86	104	5	120	33	4	20	7	975	3	60	9	7	.9	1	7	1	8	21	7	.39	.66	1	11	63	.09	.065	16	5	55	6	1	15	87	1	.063	1	3	16	.015	.14	.7	21	45	.6	.02	9.0			
GSMS-004222	.66	56	08	18	27	66	6	344	29	8	10	2	338	4	24	50	4	1	0	9	1	2	5	40	6	.22	.52	5	94	51	.06	.047	16	4	52	2	.97	78	1	.070	1	2	45	.013	.16	.7	24	52	6	.04	8.7			
JESS-003752	.68	25	50	20	80	83	1	41	29	8	12	7	403	3	99	22	7	1	0	.5	3	9	4	1	.10	1	03	.27	21	.01	.091	16	0	26	7	.63	28	0	.009	1	1	98	.004	.03	<2	.04	42	.5	.02	6.0				
GSMS-004196	1	25	275	96	34	53	84	7	115	34	1	26	3	428	5	28	13	0	2	1	112	7	8	9	33	7	.14	.53	35	38	41	.06	.106	20	5	27	2	.86	80	5	.051	1	2	91	.018	.28	.6	26	30	1	3	.49	8.1	
JESS-003622	.99	35	02	8	07	64	9	84	30	1	26	8	1431	3	64	10	5	1	3	6	2	1	5	11	7	.14	.53	2	57	40	.04	.086	25	7	39	8	.70	78	7	.040	2	2	04	.013	.24	.2	.28	39	6	.06	6.5			
JESS-003624	.56	29	77	5	51	31	7	70	13	3	13	0	547	1	68	13	1	.9	6	3	.4	12	0	.20	.29	2	03	22	.08	.086	11	1	20	3	.32	49	3	.028	1	1	56	.020	.12	<2	.15	51	7	.11	3.7					
DRSS-003733 PULP	1	04	32	16	7	32	51	7	41	13	3	13	5	537	4	26	2	7	.6	1	1	2	5	49	7	.08	.13	.15	173	.52	.041	11	3	42	8	.54	84	1	.446	2	4	00	.147	.06	.2	.13	39	6	.03	10.1				
GSMS-004202	1	96	260	50	28	13	59	6	132	72	6	47	8	568	5	66	16	4	2	6	78	3	7	6	133	0	.25	.36	30	67	59	.38	.075	24	8	47	2	1	42	126	1	.048	1	3	46	.033	.69	.6	.48	27	1	0	.43	9.5
GSMS-004215	1	74	58	66	60	17	89	3	186	23	9	10	9	584	5	80	85	2	1	1	12	0	5	4	42	5	.19	.88	10	62	60	.05	.088	19	2	45	8	.75	105	8	.087	1	2	57	.014	.16	.6	.19	93	.7	.07	9.9		
RSHS-004093	.44	29	36	20	21	79	5	53	37	1	11	2	338	3	87	22	3	7	1	9	6	5	4	2	.06	.54	.28	17	.02	.054	18	0	29	1	.92	30	5	.004	<1	2	09	.005	.03	<2	.03	28	3	.02	5.9					
DRSS-003742	1	75	57	77	26	40	98	1	289	41	4	41	3	1159	5	78	76	5	1	7	28	2	2	3	133	4	.20	.95	13	59	55	.08	.074	27	1	34	1	.70	130	6	.048	1	2	44	.014	.26	1	4	.34	51	9	.36	9.0	
GSMS-004193	.73	159	67	20	26	62	9	55	33	5	31	8	932	4	05	15	7	1	1	7	5	10	4	21	7	.15																												



SAMPLE#	Cs ppm	Ge ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Li ppm
JESS-003640	.62	<.1	.51	6.2	.7	.6	.01	4.5	2.57	21.5	.02	<1	39.8
SDWS-003806	.45	<.1	.11	3.0	2.0	.4	<.01	4.9	7.62	52.0	.03	<1	65.8
SDWS-004160	8.02	<.1	1.78	28.7	2.7	1.8	.07	1.0	4.76	43.4	.05	<1	43.6
RSHS-004063	9.14	<.1	.89	45.2	1.7	.8	.01	5.6	5.28	69.5	.02	<1	34.4
GSMS-004189	6.01	<.1	1.14	39.9	4.3	3.2	.03	1.5	23.57	93.3	.05	2	31.0
DHSS-003744	3.18	<.1	2.11	29.4	1.1	1.5	.10	.9	3.83	38.2	.07	<1	18.4
JESS-003650	.51	<.1	.48	5.3	1.6	.4	.07	7.8	8.07	24.1	.03	2	35.4
RSHS-004070	4.57	<.1	1.15	26.8	.6	1.5	.07	.6	3.01	26.7	.02	<1	11.8
RSHS-004104	.71	<.1	.50	4.4	.5	.4	.05	2.4	2.34	17.3	<.02	<1	28.8
GSMS-004210	15.00	<.1	.08	82.3	9.8	2.6	<.01	6.8	12.83	33.5	.05	<1	56.8
SDWS-004151	9.92	.1	1.67	23.3	2.4	1.1	.09	5.2	5.87	47.9	.08	<1	85.6
DHSS-003725	5.86	<.1	1.81	37.0	3.6	1.8	.04	2.3	6.63	42.1	.03	<1	42.8
JESS-003625	7.15	<.1	1.10	50.0	2.8	1.6	.07	2.4	6.72	65.2	.04	<1	36.1
SDWS-004148	9.13	<.1	.37	29.5	4.8	1.9	.01	4.7	9.71	73.6	.05	<1	30.4
RSHS-004097	.89	<.1	.44	6.4	.3	.6	.02	.3	1.99	29.2	.02	<1	24.6
GSMS-004213	11.64	.1	.97	62.9	6.2	3.1	.13	4.4	8.17	41.0	.06	<1	64.1
RSHS-004089	9.09	.1	1.98	61.8	3.3	3.8	.28	3.5	9.99	63.3	.12	<1	31.8
SDWS-003809	.73	<.1	.16	2.5	2.4	.4	.04	10.0	8.81	25.8	.03	<1	56.2
JESS-003757	.93	<.1	.62	6.2	.8	.6	.04	1.3	2.81	25.4	.03	<1	32.7
JESS-003641	.60	<.1	.41	5.9	.8	.3	.02	3.7	2.59	23.0	.02	<1	41.6
RE JESS-003641	.59	<.1	.38	5.7	.8	.2	.01	3.8	2.49	22.0	<.02	<1	40.9
SDWS-004161	8.30	<.1	1.99	30.8	3.0	1.8	.07	1.0	4.89	41.8	.04	<1	45.0
GSMS-004222	4.32	<.1	2.52	28.7	2.4	2.6	.05	2.1	4.12	33.2	.03	<1	29.5
JESS-003752	.92	<.1	.48	5.1	.7	.3	.03	6.2	2.70	27.9	.02	<1	53.4
GSMS-004196	5.89	<.1	1.38	39.2	2.9	1.5	.10	3.8	5.74	40.8	.03	<1	37.4
JESS-003622	6.33	<.1	1.08	36.2	1.5	1.1	.05	1.0	4.47	52.8	.02	1	31.8
JESS-003624	2.68	<.1	.95	18.3	.7	.8	.05	.7	2.53	22.9	.02	<1	14.9
DHSS-003733	1.13	.1	.51	5.3	9.0	1.2	<.01	44.2	14.91	28.1	.05	<1	10.7
GSMS-004202	9.93	<.1	1.63	85.9	4.8	2.0	.16	4.2	7.92	50.3	.03	<1	56.0
GSMS-004215	4.52	<.1	3.57	33.9	2.5	3.7	.09	3.2	4.05	35.3	.06	<1	32.9
RSHS-004093	.83	<.1	.31	4.5	1.1	.3	<.01	7.6	2.04	32.1	.02	1	63.8
DHSS-003742	7.96	<.1	1.78	54.6	1.7	1.8	.10	1.2	7.22	75.3	.04	<1	24.5
GSMS-004193	6.61	<.1	.34	18.5	2.8	.9	.03	11.8	10.58	75.6	.03	<1	49.5
JESS-003636	6.76	.1	.81	45.1	4.2	1.8	.01	2.4	10.28	64.9	.04	<1	42.4
STANDARD DS2	2.77	<.1	2.07	15.1	3.2	25.7	.02	4.2	8.36	32.1	5.39	4	13.7

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE #	Na	Ca	Ti	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	In	Sr	Cd	Sb	Bi	V	Cr	P	La	Er	Mg	Ba	Tl	B	Al	Mo	K	W	Hf	Se	Te	Ga	
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
GSMS-001211	2.03	219.99	26.20	91.4	109	67.6	69.0	1081	7.83	30.2	2.9	87.7	11.2	75.8	16	37	7.66	29	05	101	27.9	27.5	67	102.6	009	1.2.70	012	21	.2	23	30	6	45	7.2	
JESS-003614	2.62	118	22.24	95	75.2	80	76.7	75.5	1249	5.48	14.0	3.7	23.0	14.7	387.9	28	27	7.45	46	77	048	21.9	42.4	118	147.7	022	<1.3.57	034	51	2	43	17	3	14	9.1
SDMS-003820	.46	39.36	28.42	101.3	.32	44.8	25.3	841	4.39	29.6	1.0	2.0	8.6	5.5	08	95	.55	18	.06	057	17.9	28.8	98	24.3	004	<1.2.27	005	02	<2	.03	24	1	05	6.4	
DRSS-003734	1.11	117	07.10	56	79.6	68	51.0	33.8	1415	4.59	10.0	1.8	8.7	6.1	29.2	18	64	4.42	42	.05	064	30.9	42.0	.79	128.7	053	2.2.69	012	21	2	35	27	.5	07	7.3
SDMS-004164	.92	43.93	4.13	71.8	121	21.1	17.0	1402	3.48	15.6	1.2	21.6	.8	24.7	.32	33	10.03	74	09	095	15.6	57.1	91	132.1	070	1.2.12	019	35	4	29	65	6	41	10.0	
JESS-003620	1.00	91.94	11.73	90.5	138	36.9	35.3	1151	4.50	15.9	2.0	51.0	4.6	31.0	.33	62	4.92	41	.05	104	34.3	35.6	.79	123.8	058	1.2.47	017	40	.2	43	45	7	22	6.6	
GSMS-004221	.57	23.66	14.81	45.4	273	13.6	6.6	385	2.17	9.5	7	1.1	2	31.4	46	35	1.46	35	.05	064	10.2	32.1	.38	74.2	022	<1.1.65	020	08	2	.12	45	4	05	6.0	
GSMS-004199 PULP	1.14	32.61	7.81	54.3	41	14.2	14.3	471	4.04	2.8	.7	2.0	2.7	51.0	07	12	.19	172	.51	041	12.5	48.6	59	91.7	465	<1.4.25	154	06	.2	14	37	3	04	11.0	
JESS-003758	.61	46.55	45.01	102.0	.67	48.2	31.3	782	4.46	45.4	1.7	3.6	10.2	9.1	07	1.77	.59	14	.08	057	13.3	24.4	.73	34.4	004	<1.2.00	006	03	<2	.03	15	.2	04	5.2	
RSHS-004094	.70	23.17	21.79	38.0	.59	11.8	5.4	550	2.98	16.7	7	5	1.1	4.5	03	.79	44	26	01	099	18.9	13.3	.23	28.8	007	<1.1.08	005	03	<2	.04	31	.4	68	6.8	
SDMS-004176	.70	28.38	9.05	30.8	.53	9.2	7.9	391	2.38	20.9	7	16.1	3	18.1	09	.45	1.33	25	.03	060	13.5	6.1	.16	44.3	025	<1.8.9	018	07	.2	10	33	.3	04	4.7	
DRSS-003730	1.35	89.77	10.61	75.3	.51	34.7	18.0	487	5.69	16.3	1.6	10.4	6.1	28.3	09	.54	3.65	40	.03	097	31.7	29.1	.60	81.1	060	<1.2.74	011	19	.3	.27	26	6	06	8.5	
GSMS-004224	.78	32.50	18.55	70.4	220	24.7	10.5	413	4.07	17.6	.9	3.5	1.8	21.0	13	.70	3.17	42	.03	043	20.0	39.9	.70	78.3	041	1.2.25	008	13	.4	.19	35	.6	07	7.4	
SDMS-004103	.53	15.79	9.56	31.9	.64	13.0	6.1	131	2.36	28.2	9	1.2	1.4	4.0	.07	.81	.33	18	.01	098	10.7	10.7	.22	23.8	005	<1.91	006	03	<2	.04	50	.3	04	4.1	
JESS-003615	1.91	126.76	26.29	77.1	103	61.3	47.6	807	5.08	8.7	2.5	24.7	9.5	150.0	.30	.15	11.84	86	.93	044	17.6	77.8	1.89	126.9	098	<1.3.75	093	.81	.3	.66	8	.4	.12	11.2	
DRSS-003737	.85	104.25	13.31	69.5	.76	29.7	27.8	1226	4.20	34.6	1.4	19.5	1.7	25.7	.24	.49	11.00	53	.06	105	25.0	28.7	.74	113.9	053	2.2.71	016	.29	<2	.34	41	.6	.20	8.6	
DRSS-003741	1.01	44.76	29.95	90.2	.75	25.1	14.7	524	2.83	33.9	1.3	4.5	1.9	11.4	.13	.55	2.44	43	.07	097	15.3	32.1	.65	60.7	063	2.2.37	020	.16	.6	.19	31	.7	.10	7.3	
RE DRSS-003730	1.36	87.84	10.53	74.2	.52	34.4	17.9	484	5.62	16.8	1.5	6.5	5.9	28.2	.07	.58	3.76	39	.03	094	30.6	30.3	.60	81.1	061	<1.2.76	011	.19	.4	.28	26	.8	07	8.6	
RSHS-004075	1.76	220.60	14.85	87.2	145	50.5	27.3	396	6.05	41.2	2.0	54.6	1.6	66.0	23	.64	49.16	51	.06	097	25.5	40.0	.83	109.4	042	1.2.40	025	.33	7.3	.34	33	1.2	83	8.3	
RSHS-004081	1.42	20.01	34.13	101.9	295	21.8	10.8	519	4.06	13.1	.9	4.3	.9	7.2	21	.64	1.49	41	.02	051	24.2	30.6	.62	66.1	024	1.2.00	007	.06	.5	.12	42	.5	09	8.1	
JESS-003621	1.14	54.54	9.75	79.9	.45	45.0	50.7	1632	4.33	5.4	1.6	2.6	3.4	20.7	.12	1.38	1.65	36	.03	060	29.8	29.1	.63	96.5	044	1.2.00	011	.19	.3	.32	36	.5	05	5.6	
GSMS-004198	2.68	452.99	47.27	64.8	360	110.1	66.4	1136	6.13	8.3	3.6	676.7	9.1	236.7	13	.32	166.17	88	.48	071	31.8	71.0	2.12	148.3	079	1.4.35	034	.72	.4	.59	10	1.2	4	94	11.1
SDMS-004167	1.05	77.74	8.43	61.6	.71	23.3	11.9	564	3.90	80.2	1.5	13.7	1.0	38.8	28	.43	6.25	55	.07	110	23.4	43.9	.82	127.8	060	1.2.72	028	.32	2	.35	81	.8	28	9.6	
DRSS-003721	1.05	87.52	23.97	102.4	128	39.5	28.5	862	4.62	12.1	2.2	10.6	4.4	18.8	.21	.55	8.65	37	.07	096	28.3	29.0	.80	96.2	043	1.2.79	012	.14	.6	.19	57	.7	.12	7.5	
GSMS-004214	.84	33.22	21.23	56.3	269	18.1	8.0	583	3.36	89.1	.8	162.0	1.7	44.9	.31	.96	4.59	71	.06	071	18.4	43.3	.59	177.9	082	1.1.62	026	.25	.4	.24	70	.7	.09	10.3	
JESS-003631	1.90	217.62	29.11	131.3	262	56.0	57.1	1033	6.99	94.7	3.0	23.8	11.6	169.5	.13	1.38	8.14	42	.08	097	44.4	33.5	.82	188.9	054	1.2.78	019	.31	5.6	.48	34	.5	25	8.6	
JESS-003611	.38	82.66	24.03	107.8	.42	50.8	50.5	1775	5.60	7.0	3.2	2.5	12.2	48.2	15	.16	1.16	51	.19	051	35.5	49.1	1.27	87.7	049	1.3.23	018	.40	.5	.40	21	.1	04	8.9	
SDMS-004162	2.34	227.42	46.48	70.0	.78	73.8	37.8	480	4.79	29.2	2.5	140.0	4.0	16.2	23	1.15	163.90	33	.05	073	25.3	22.8	.72	52.5	023	1.1.96	008	19	1.2	.31	55	6.19	33	5.4	
RSHS-004090	1.66	91.53	50.14	119.1	230	37.0	95.0	2371	4.62	70.9	3.0	13.0	3.6	49.0	50	.65	5.21	30	.10	100	30.3	28.9	.77	90.5	038	2.2.48	022	.24	.5	.26	96	.7	47	7.0	
JESS-003642	.56	35.72	49.96	87.1	103	29.1	34.0	902	3.16	213.4	1.4	10.2	5.4	6.4	66	1.66	.57	17	.02	053	14.2	18.1	.54	34.7	008	<1.1.54	008	04	<2	.05	27	.3	08	4.8	
RSHS-004107	.58	18.29	15.95	57.6	.39	29.7	14.5	445	3.01	12.0	1.1	1.3	4.4	8.8	.08	.69	.39	20	.06	054	16.0	21.5	.61	45.6	013	<1.1.51	005	.04	<2	.04	21	.3	05	4.2	
SDMS-004183	.72	30.40	8.53	37.7	.48	13.9	6.0	243	2.71	28.2	.6	25.0	.3	12.8	04	.42	5.39	48	.03	056	16.6	29.2	.41	46.2	036	1.1.17	012	.13	1.9	.19	55	.4	.28	6.9	
SDMS-004179	.65	65.06	18.18	69.0	.95	33.5	13.5	417	4.28	23.6	.9	6.2	1.6	27.8	11	.55	3.52	57	.03	062	20.2	57.2	.99	103.7	061	1.2.21	018	.21	.4	.25	52	.7	.09	8.4	
SDMS-004170	.75	52.43	10.51	57.6	.155	22.6	24.0	1235	2.56	22.6	1.2	18.6	.6	18.7	.54	.37	7.74	42	.06	115	16.5	37.4	.60	93.6	042	1.2.06	018	.20	.4	.26	86	.6	33	6.3	
STANDARD D52	13.92	129.01	31.29	165.6	.247	35.8	12.6	826	3.20	63.6	20.6	195.9	3.3	30.1	11.27	9.31	10.85	80	.54	083	16.9	162.3	.61	145.5	115	1.1.79	042	.16	7.0	1.86	255	2.5	1.84	6.2	

Sample type: SOIL. Samples beginning "RE" are Retruns and "RRE" are Reject Retruns.



SAMPLE#	Cs ppm	Ge ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Li ppm
GSMS-004211	8.77	.1	.34	28.6	2.3	1.2	.05	6.8	8.80	53.9	.02	1	45.4
JESS-003614	11.20	.1	.21	58.3	4.7	1.7	.05	7.1	9.30	44.1	.03	<1	55.9
SDWS-003820	.50	<.1	.17	2.9	1.2	.2	.01	8.8	3.53	28.9	.02	<1	76.3
DHSS-003734	9.12	.1	.91	34.4	2.8	1.4	.05	1.5	6.12	60.5	.03	<1	53.0
SDWS-004164	8.31	.1	2.32	64.5	2.2	3.1	.13	1.5	3.39	29.0	.02	<1	21.5
JESS-003626	7.79	<.1	1.57	58.7	2.1	1.7	.10	1.8	7.30	65.6	.03	<1	39.7
GSMS-004221	2.39	<.1	1.09	20.0	.4	2.1	.05	.6	2.19	18.7	.02	<1	10.4
GSMS-004199	1.03	.1	.47	5.4	9.1	1.3	<.01	43.6	15.52	30.3	.05	<1	10.7
JESS-003758	.61	<.1	.11	3.4	1.4	.4	<.01	5.1	4.84	22.7	.02	1	60.1
RSHS-004094	1.07	<.1	.38	6.5	.2	.6	.01	1.5	1.47	31.1	.02	<1	15.3
SDWS-004176	2.25	<.1	.83	17.7	.4	.7	.06	.5	2.26	24.6	.02	<1	5.7
DHSS-003730	5.39	<.1	1.45	29.5	2.2	2.2	.05	1.0	6.04	57.3	.03	<1	39.6
GSMS-004224	4.06	<.1	1.93	26.2	1.5	2.2	.02	.8	3.93	38.1	.03	<1	31.3
RSHS-004103	.53	<.1	.25	5.0	.3	.4	.05	1.4	1.84	18.4	<.02	1	11.8
JESS-003615	11.08	.1	.13	87.8	7.3	3.0	.08	8.4	8.79	33.4	.04	<1	57.5
DHSS-003737	6.84	<.1	1.25	47.6	2.1	2.0	.07	.9	5.12	47.0	.02	<1	36.6
DHSS-003741	5.83	<.1	1.59	27.2	1.9	1.5	.04	1.0	4.26	29.0	.03	<1	32.1
RE DHSS-003730	5.44	<.1	1.47	28.9	2.1	2.2	.05	1.1	5.97	55.9	.03	<1	38.8
RSHS-004075	7.32	.1	1.34	49.5	1.7	2.3	.16	1.2	8.74	59.6	.04	1	23.8
RSHS-004081	2.31	<.1	1.18	12.3	.9	1.3	.03	.5	3.42	44.4	.04	<1	31.9
JESS-003621	7.06	<.1	.88	30.1	1.6	.9	.05	1.3	5.19	60.9	.03	1	48.4
GSMS-004198	12.48	.1	.52	99.3	8.3	2.3	.17	11.2	16.87	67.2	.03	<1	61.9
SDWS-004167	7.99	<.1	2.65	62.4	1.7	3.2	.21	1.6	4.10	43.0	.04	<1	26.2
DHSS-003721	4.97	<.1	1.35	21.8	1.9	1.0	.06	1.7	6.22	51.5	.03	<1	52.9
GSMS-004214	4.36	<.1	2.60	39.7	2.0	6.7	.11	1.4	3.44	32.9	.19	<1	12.5
JESS-003631	10.13	<.1	1.48	59.3	2.7	1.9	.11	3.5	12.88	108.1	.06	<1	34.1
JESS-003611	10.74	<.1	.27	55.4	4.4	.9	.02	4.3	8.91	63.5	.03	<1	50.6
SDWS-004162	7.14	.1	.51	34.9	2.1	.9	.05	3.0	8.23	59.2	.03	<1	23.9
RSHS-004090	4.20	<.1	1.13	27.8	1.6	1.0	.11	2.1	12.42	58.9	.06	<1	40.9
JESS-003642	.76	<.1	.21	5.4	.9	.3	.01	2.7	3.98	26.1	.03	<1	39.0
RSHS-004107	.63	<.1	.40	5.1	1.0	.3	.02	1.9	4.10	30.8	.02	<1	41.1
SDWS-004183	4.76	<.1	1.25	28.1	.7	2.4	.04	.5	2.20	29.5	.02	<1	15.0
SDWS-004179	4.84	<.1	1.90	34.0	2.1	5.7	.10	1.5	4.28	40.5	.04	<1	29.6
SDWS-004170	5.91	<.1	1.52	50.9	1.2	1.5	.13	.8	3.89	32.0	.03	<1	20.9
STANDARD DS2	2.48	.1	2.07	15.3	3.0	25.7	.02	4.2	8.08	30.5	5.22	2	13.9

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE	As	Cd	Co	Cu	Fe	Mn	Ni	Pb	Sb	Se	Si	Te	Ti	V	Zn	Ag	Al	B	Br	C	Ca	Cl	F	H	K	Li	Mg	Na	P	S	Sc	Sn	Th	U	W	Xe																			
ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm																			
RSMS-004053	37	3.1	35	5	32	52	0	106	45.5	33	7	487	4	94	5	9	2.5	5	0	12	3	70	7	.09	14	4	80	48	.90	.029	25	6	73	8	1	03	55	6	.035	1	2	98	.022	.31	4.4	.35	13	.1	.02	7.6					
SIWS-004181	51	25	06	9	32	38	9	193	15	1	7	6	395	2	00	15	1	7	3	1	1	13	9	.08	33	1	04	28	.05	.089	11	6	31	3	.44	60	4	.015	2	1	22	.019	.16	.3	.18	62	.3	< 02	4.4						
JLSS-003630	2	57	399	06	37	26	117	3	162	72	2	62	8	772	7	81	63	7	3	2	49	7	9	3	128	0	.21	1	17	63	58	47	.06	106	39	8	38	6	.83	153	9	.075	1	2	73	.030	31	7.1	44	37	1	0	77	8.2	
JLSS-003635	1	61	117	90	16	77	62	5	25	36	1	29	3	423	4	76	29	0	1	7	87	2	3	8	74	4	.70	.73	16	03	46	.03	.090	26	0	24	4	.63	167	5	.066	2	1	90	.025	.30	5	0	34	66	.9	97	7.0		
KNIS-001065	7	42	84	96	11	71	35	1	135	42	8	41	5	701	1	55	10	1	1	8	33	4	1	6	34	6	.18	.70	12	34	45	.04	.085	19	6	26	5	.55	82	3	.055	1	2	39	.014	.19	1	0	32	.70	9	1	01	7.4	
GSMS-004205	2	65	241	79	25	67	97	5	122	57	4	90	2	3420	5	36	14	9	3	2	10	8	5	7	30	8	.12	.49	1	84	38	.05	.082	26	2	28	0	.63	114	7	.021	< 1	2	53	.011	.11	< 2	.19	55	.8	10	7	0		
RIWS-004061	1	66	97	01	11	3	66	2	51	28	1	13	4	407	3	93	8	9	1	6	6	3	3	3	23	6	.16	.82	3	93	43	.05	.067	26	5	32	6	.61	77	0	.050	1	1	99	.017	.13	< 2	.21	33	.8	0	1	6		
JLSS-003637	2	45	54	87	20	03	64	5	78	25	6	27	6	568	3	10	21	2	4	3	27	5	3	2	39	4	.24	.30	3	22	32	.37	.073	37	3	27	0	.74	84	9	.060	1	1	90	.017	.20	.3	.30	59	.4	.18	5	6		
GSMS-004192	.41	50	86	20	25	42	3	82	44	7	25	8	895	3	63	11	2	2	5	2	0	16	4	55	0	.21	1	.83	.56	28	.38	.035	33	0	28	1	.63	100	5	.018	2	1	60	.031	.24	< 2	.41	17	< 1	.62	4	2			
GSMS-004201	2	24	194	35	49	43	95	5	97	75	3	63	0	1027	5	02	19	3	3	9	55	0	10	3	149	9	.26	.51	14	90	45	.46	.071	33	0	40	8	1	25	98	3	.032	1	3	49	.037	.48	< 2	.43	24	.6	.30	9	3	
DRHS-003732	2	24	274	92	17	15	127	9	91	129	5	129	1	5162	5	85	13	3	3	6	17	0	7	8	35	6	.26	.68	4	79	51	.05	.066	26	1	60	1	1	15	203	5	.072	1	3	57	.013	.27	< 2	.49	50	.5	.19	9	0	
SIWS-004177	.41	19	40	3	69	23	0	76	8	6	3	4	117	1	53	3	7	6	7	9	3	14	8	.13	.22	1	.62	21	.02	.055	11	6	14	9	.25	53	5	.037	1	1	08	.022	.13	< 2	.17	47	.4	.08	4	6					
RSMS-004102	.58	18	94	13	61	46	4	38	22	5	10	1	338	3	28	16	9	9	2	9	1	0	5	0	.08	.99	.16	17	.02	.093	10	9	18	1	.39	33	5	.006	< 1	1	29	.007	.02	< 2	.03	23	.4	.03	4	3					
SIWS-003807	.41	23	85	19	53	60	2	92	29	1	10	6	313	3	13	58	1	3	3	2	3	7	6	1	.03	.77	.13	16	.04	.056	13	3	24	4	.66	42	7	.006	< 1	1	86	.009	.03	< 2	.03	23	.3	.02	5	2					
GSMS-004036	.74	256	94	14	21	131	3	155	117	1	104	7	1478	9	73	10	1	4	6	16	6	25	9	143	8	.21	.21	11	82	54	.38	.098	21	3	60	0	1	71	104	0	.089	< 1	4	82	.065	.49	< 2	.38	24	.4	.23	9	7		
RSMS-004080	1	37	20	05	33	00	95	2	336	21	1	10	3	507	3	95	11	8	9	5	0	6	7	1	.22	.64	1	.47	41	.02	.047	22	1	31	6	.61	64	5	.023	< 1	1	98	.006	.06	< 2	.11	44	.5	.08	8	1				
RSMS-004095	.40	37	00	21	80	91	0	64	46	9	21	4	970	4	21	14	5	7	2	5	7	7	8	.06	.47	.25	16	.08	.061	20	2	32	7	1	12	22	1	.004	< 1	2	21	.005	.03	< 2	< 02	26	.2	.07	5	7					
GSMS-004195	1	69	522	54	56	70	72	6	276	39	8	63	8	688	9	03	173	4	2	6	103	1	10	5	101	1	.13	.41	101	.07	89	.17	.088	20	2	59	8	2	10	163	2	.119	< 1	4	40	.061	.76	< 2	.62	12	2	3	.26	12	1
GSMS-004223	.66	27	23	11	04	39	3	183	13	5	5	4	164	2	18	8	4	7	6	1	5	.1	42	2	.29	.44	5	.54	39	.05	.046	17	8	25	3	.34	76	6	.023	< 1	1	22	.010	.09	< 2	.14	25	.3	.33	6	9				
RE GSMS-004077	.91	20	32	32	92	72	8	207	16	3	8	2	364	2	49	12	2	7	15	3	5	1	8	8	.21	.32	1	.67	27	.10	.059	25	1	18	1	.65	51	4	.030	1	1	66	.009	.06	< 2	.08	23	.3	.09	4	8				
RSMS-004077	.85	19	45	30	74	71	8	186	16	5	7	8	358	2	45	11	5	7	13	0	4	7	8	2	.18	.31	1	.43	26	.10	.057	23	7	16	0	.62	48	2	.028	< 1	1	59	.009	.06	< 2	.07	17	.3	.08	4	6				
RSMS-004098	.54	18	05	11	03	46	5	117	18	6	7	7	382	3	38	11	3	7	1	5	3	3	7	.10	.67	.27	22	.01	.134	10	3	23	5	.35	34	4	.006	< 1	1	24	.007	.03	< 2	.02	.45	.4	.04	5	7						
JLSS-003610	.58	113	24	7	90	86	3	87	42	0	45	6	711	5	15	2	7	1	0	6	7	4	9	189	2	.10	.08	2	37	127	.98	.050	15	3	159	7	2	70	290	2	.242	< 1	4	62	.226	1	02	< 2	.88	7	.4	.14	12	3	
JLSS-003649	.38	41	76	30	51	125	1	422	44	9	16	4	222	4	01	28	6	1	6	1	5	4	30	3	.09	5	.01	.40	11	.60	.070	23	5	9	2	.37	46	7	.002	< 1	.96	.007	.04	< 2	.02	.68	.3	.14	2	3					
RSMS-004071	1	41	75	97	16	53	69	7	285	23	9	22	3	1360	4	07	67	6	1	2	8	6	1	0	54	7	.36	.66	9	52	38	.06	.106	20	7	23	2	.52	141	0	.038	1	1	91	.019	.18	< 2	.25	59	.6	.20	6	5		
JLSS-003638	.16	2	56	.82	4	8	.48	1	0	.6	14	.23	.3	.1	.5	< 1	5	2	.04	.04	.22	.7	.02	.029	1	3	< 5	.03	12	8	.009	< 1	.15	.018	.03	< 2	.04	.22	.1	< 02	.7														
RSMS-004068	1	90	170	72	18	83	63	1	166	30	5	17	8	453	7	22	96	6	2	0	246	9	4	1	88	6	.10	.86	23	.49	.55	.03	101	24	8	31	8	.55	112	3	.059	1	2	47	.028	.20	27	5	.26	27	1	3	.77	9	2
DRHS-003748	1	25	102	96	39	81	97	2	280	30	3	17	6	528	6	02	29	4	2	5	5	0	2	4	50	0	.22	1	81	6	.31	.48	.04	.106	34	3	48	8	.78	83	6	.049	1	2	53	.016	.12	< 2	.23	59	.9	.12	8	4	
JLSS-003652	.36	19	08	10	00	27	3	54	9	1	5	4	281	1	35	7	6	1	5	1	2	9	24	7	.03	.30	.26	14	.40	.070	7	2	11	5	.16	46	7	.017	< 1	1	11	.035	.02	< 2	.02	20	.5	.02	3	1					
RSMS-004058	1	16	57	34	15	87	89	9	37	38	9	27	8	924	4	47	31	2	1	2	5	5	1	8	12	6	.19	.68	2	.62	41	.03	.060	24	9	30	7	.63	78	4	.030	1	2	52	.006	.11	< 2	.18	40	.5	.06	7	4		
GSMS-004190	5	13	56	55	46	10	108	8	157	16	6	18	9	792	3	22	3	6	2	0	6	7	6	8	106	6	.53	.32	6	.67	53	.68	.057	33	6	30	1	.88	160	5	.063	1	2	83	.042	.36	< 2	.28	36	.1	.09	7	8		
GSMS-004034	1	06	64	79	4	28	56	9	51	81	0	27	5	677	3	.62	1	8	.7	4	9	5	4	104	4	.07	.06	2	.01	110	.77	.047	20	2	289	5	2	80	141	3</															



SAMPLE#	Cs ppm	Ge ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Li ppm
RSHS-004053	6.49	<.1	.27	70.3	4.4	5.6	.01	4.5	19.44	52.0	.09	1	23.3
SDWS-004181	2.95	<.1	.73	27.2	.3	2.0	.09	.5	2.23	22.1	.02	<1	13.1
JESS-003630	8.56	.1	1.95	51.8	2.6	2.4	.18	4.1	14.94	91.0	.06	1	26.8
JESS-003635	5.59	.1	2.99	54.6	2.0	2.3	.19	3.2	6.24	50.5	.09	1	19.1
RSHS-004065	6.31	<.1	2.20	42.5	1.4	.9	.11	2.5	7.10	45.7	.03	<1	25.8
GSMS-004209	9.55	<.1	.67	19.4	1.7	.9	.04	2.6	6.04	55.2	.03	1	50.0
RSHS-004061	5.50	<.1	1.42	21.2	1.5	.9	.10	1.3	4.87	51.6	.03	<1	27.7
JESS-003637	7.50	<.1	2.52	38.0	2.1	1.7	.10	1.8	16.69	71.8	.03	1	56.3
GSMS-004192	13.65	<.1	.16	33.3	4.3	1.4	.01	7.5	8.07	66.0	.02	<1	34.4
GSMS-004201	10.08	<.1	.73	62.7	3.6	2.0	.10	4.0	10.87	67.9	.03	<1	60.4
DHSS-003732	10.23	.1	.92	38.1	4.0	1.6	.03	3.1	12.74	59.8	.04	<1	118.1
SDWS-004177	4.21	<.1	.92	27.8	.5	.9	.08	.7	1.86	20.2	.02	<1	7.5
RSHS-004102	.67	<.1	.23	3.4	.3	.3	.05	1.6	2.77	19.9	.02	<1	22.2
SDWS-003807	.65	<.1	.29	4.8	1.0	.3	.02	3.4	4.30	25.6	.03	<1	45.4
GSMS-004036	6.34	.1	.48	56.1	5.6	2.2	.35	6.7	16.54	43.5	.09	<1	52.2
RSHS-004080	2.30	<.1	1.22	12.4	.8	1.5	.03	.3	3.41	41.7	.04	<1	29.3
RSHS-004095	.35	.1	.11	2.7	1.3	.1	<.01	4.8	2.97	35.8	.02	<1	69.5
GSMS-004195	13.36	.2	.40	84.5	7.0	4.5	.35	7.9	9.74	43.4	.04	<1	49.2
GSMS-004223	3.36	<.1	.87	27.9	.3	3.2	.04	.4	3.47	32.4	.02	<1	9.4
RE GSMS-004077	1.83	<.1	1.00	9.7	1.3	.8	.01	1.2	5.62	44.9	.03	1	24.0
RSHS-004077	1.73	<.1	.97	9.2	1.3	.6	.01	1.2	5.27	41.8	.03	<1	23.4
RSHS-004098	.76	<.1	.23	5.1	.2	.3	.07	.7	2.03	18.5	.02	<1	19.3
JESS-003610	8.12	.1	.29	110.6	6.9	1.5	.26	2.5	5.41	32.2	.05	<1	29.9
JESS-003649	.38	<.1	.13	2.6	3.1	.4	.03	5.9	14.50	35.5	.04	<1	22.2
RSHS-004071	4.24	<.1	1.89	40.8	1.0	1.8	.15	.9	4.46	40.2	.04	<1	15.9
JESS-003638	.73	<.1	.06	3.9	.1	.2	.03	.1	.24	2.5	<.02	<1	.5
RSHS-004068	5.64	.1	1.71	36.0	2.1	2.5	.17	2.3	7.35	45.7	.05	<1	16.6
DHSS-003748	6.12	.1	2.09	24.4	1.5	4.3	.11	1.8	8.91	63.2	.04	<1	26.2
JESS-003652	.37	<.1	.52	3.0	.9	.3	.04	3.7	6.06	11.8	.02	<1	11.7
RSHS-004058	6.37	.1	1.02	19.2	1.2	.8	.02	.5	4.45	50.3	.03	<1	55.1
GSMS-004190	6.41	<.1	2.56	57.3	4.5	2.3	.08	1.0	14.79	75.8	.06	<1	31.3
GSMS-004034	4.87	.1	.52	75.6	6.7	2.4	.02	6.0	8.63	37.7	.06	<1	48.1
RSHS-004074	.39	<.1	.09	2.7	.1	.2	.04	.1	.74	3.7	<.02	<1	.6
RSHS-004108	1.01	<.1	.29	6.1	.4	.2	.03	1.0	3.68	11.0	<.02	<1	16.7
STANDARD DS2	2.46	<.1	2.06	15.3	3.0	25.4	.02	4.8	8.22	30.6	5.44	1	14.0

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm
JESS-003619	1.05	40.28	10.32	62.8	53	25.6	27.6	1012	3.57	5.5	1.3	3.4	1.6	13.5	.13	.68	1.36	32	.04	.073	21.0	27.0	.43	61.3	.025	1	1.52	.010	.14	.2	.21	33	.5	.06	5.8
RSHS-004057	1.12	110.68	13.15	66.8	61	50.8	24.9	530	3.79	18.6	2.1	4.4	2.4	18.7	.31	.63	4.95	55	.06	.077	19.3	43.0	.83	78.9	.056	1	3.00	.009	.29	.5	.31	65	.8	.06	8.8
DHSS-003745	1.31	104.80	37.09	83.9	188	25.1	19.6	776	4.68	31.2	1.7	5.1	5.7	53.8	.23	.67	6.61	37	.04	.088	23.5	29.7	.61	123.1	.039	1	2.13	.018	.15	.3	.21	16	1.0	.10	6.8
DHSS-003740	1.00	49.29	34.54	95.7	90	27.7	17.3	633	2.98	40.5	1.5	4.0	2.5	12.0	.21	.59	2.47	44	.07	.097	15.7	41.7	.67	65.1	.060	1	2.49	.017	.16	.6	.20	35	.8	.04	7.6
JESS-003759	.59	89.33	53.17	113.7	140	52.4	31.1	498	5.30	85.0	3.7	13.1	17.0	30.5	.07	2.66	.74	15	.02	.075	13.1	31.0	.82	55.6	.001	<1	2.21	.011	.05	<.2	.05	21	.4	.09	5.8
GSMS-004208	3.80	376.82	32.46	103.1	296	71.1	127.3	2523	13.26	478.9	4.7	99.3	18.8	15.9	.06	3.09	22.15	37	.01	.109	17.3	34.9	.59	64.2	.019	<1	2.50	.009	.16	.5	.60	22	1.9	.55	13.1
RSHS-004072	1.33	12.74	29.50	45.5	236	10.5	4.9	216	3.53	11.4	.8	2.8	1.5	7.4	.12	.50	1.83	45	.02	.042	19.6	24.9	.32	53.6	.026	1	1.54	.004	.05	.5	.11	69	.5	.19	8.4
SDWS-004158	.84	60.07	14.16	73.8	48	34.4	19.3	568	3.32	11.4	1.3	5.5	5.8	13.3	.16	.59	2.39	48	.07	.051	19.5	50.3	.93	65.6	.077	1	2.41	.012	.14	.5	.22	37	.8	.08	7.1
RE SDWS-004158	.84	62.96	14.61	77.3	47	35.8	20.6	589	3.49	11.8	1.4	6.4	6.2	13.8	.15	.62	2.45	51	.07	.053	20.4	48.0	.97	68.3	.080	1	2.49	.012	.14	.5	.23	42	.7	.04	7.4
SDWS-004204	1.30	142.42	8.11	71.4	383	32.4	23.9	736	13.68	4.8	2.3	8.1	19.5	76.0	.03	1.13	4.69	31	.01	.125	16.5	28.3	.61	107.6	.068	1	2.99	.032	.47	<.2	.34	34	1.1	.14	8.5
SDWS-004180	.39	21.45	11.21	36.7	124	14.3	7.3	397	2.03	14.4	.6	5.5	.2	12.8	.08	.30	1.36	27	.04	.098	9.8	32.5	.40	49.2	.011	1	1.16	.018	.11	.2	.15	65	.3	.05	4.1
DHSS-003722	1.17	39.83	16.93	105.4	103	28.9	17.2	519	4.03	9.2	1.5	3.2	3.2	10.9	.24	.54	1.09	38	.06	.087	18.4	29.2	.62	74.3	.038	1	2.64	.011	.24	.4	.31	79	.7	.07	8.8
RSHS-004082	1.13	14.76	28.18	58.6	258	11.4	5.7	249	2.18	7.9	.7	1.7	.2	6.5	.13	.52	1.14	28	.02	.057	15.8	15.4	.32	45.2	.012	1	1.26	.011	.06	.3	.09	35	.5	.03	6.0
STANDARD DS2	13.35	130.16	30.80	164.8	257	37.0	12.8	825	3.16	63.7	20.9	194.8	3.3	29.7	11.45	9.56	10.77	82	.55	.083	16.4	168.7	.60	144.1	.115	2	1.77	.042	.16	6.9	1.84	248	2.6	1.90	6.2

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Cs ppm	Ge ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Li ppm
JESS-003619	6.54	<.1	.89	27.0	.9	.7	.06	.8	3.73	42.0	.03	<1	28.6
RSHS-004057	6.15	<.1	2.26	45.9	2.4	1.4	.09	1.8	5.39	39.0	.03	1	44.9
DHSS-003745	4.97	<.1	1.34	24.3	1.9	1.4	.11	2.9	4.76	49.3	.04	<1	24.8
DHSS-003740	6.08	<.1	1.60	28.1	2.2	1.3	.06	1.4	4.99	31.2	.03	1	34.4
JESS-003759	.82	<.1	.04	4.0	1.5	.4	.07	6.4	3.46	22.0	.02	<1	67.8
GSMS-004208	11.97	.1	.16	23.1	4.1	1.7	.12	8.7	4.95	37.0	.05	<1	24.7
RSHS-004072	2.04	<.1	2.61	11.4	.9	1.4	.04	.5	2.40	36.2	.03	<1	12.9
SDWS-004158	4.59	<.1	1.76	21.7	3.0	1.5	.04	3.0	4.51	40.4	.03	<1	42.8
RE SDWS-004158	4.68	<.1	1.73	22.1	3.1	1.4	.04	2.8	4.77	42.6	.03	2	45.1
GSMS-004204	4.74	.1	1.13	48.0	2.3	1.5	.56	5.8	3.53	33.7	.03	<1	30.8
SDWS-004180	2.70	<.1	.61	22.4	.3	1.4	.11	.4	1.87	19.5	.02	<1	11.9
DHSS-003722	4.69	<.1	2.50	43.2	2.0	1.3	.08	2.3	4.50	35.2	.03	<1	35.5
RSHS-004082	1.93	<.1	.40	10.9	.4	.9	.04	.2	2.74	30.0	.04	1	16.3
STANDARD DS2	2.42	<.1	1.99	15.1	3.1	25.4	.02	4.3	8.10	31.1	5.61	1	14.1

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Phase II
September 21st to 22nd, 1999



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm
GSMS-004369	2.15	14.66	9.53	43.1	29	12.3	7.1	261	1.76	13.1	.4	.7	2.4	6.8	.18	.67	.67	18	.03	.026	21.7	10.6	.12	61.3	.012	2	.62	.006	.07	3.0	.02	6	.3	.09	3.7
GSMS-004394	1.97	23.33	26.62	67.0	77	24.7	14.0	511	2.91	35.7	.6	1.9	8.1	24.0	.22	.62	.88	23	.32	.040	21.9	29.7	.61	93.3	.011	2	1.88	.009	.30	1.6	.08	6	.3	.04	5.0
GSMS-004348	1.53	46.88	32.40	94.2	66	34.7	20.4	414	4.18	61.9	.9	10.6	9.0	18.2	.08	2.93	.66	16	.04	.054	34.7	20.4	.18	52.2	.001	1	.84	.008	.12	1.8	.04	11	.4	.13	3.4
GSMS-004401	1.32	25.03	61.01	75.8	121	26.6	15.6	550	2.99	94.0	1.4	4.4	9.4	30.0	.20	.63	.92	22	.28	.048	26.3	23.0	.62	90.9	.019	1	1.87	.009	.29	1.4	.12	8	.4	.03	5.3
GSMS-004395	1.00	29.69	19.57	56.4	91	23.5	11.6	336	2.62	30.1	11.1	3.9	3.3	145.7	.17	.51	.60	15	1.29	.058	12.2	20.3	.50	86.8	.008	2	1.57	.010	.12	1.1	.07	59	1.7	.04	4.8
GSMS-004349	1.50	20.09	19.34	66.1	82	23.6	10.9	405	3.18	47.8	.5	4.3	5.3	7.0	.08	.59	.48	14	.02	.033	25.6	20.5	.38	37.8	.003	<1	1.21	.008	.07	1.6	.04	10	.3	.18	4.7
GSMS-004370	2.88	19.24	42.05	46.7	210	18.8	11.7	484	2.46	59.4	.6	72.6	3.6	5.7	.08	.61	.63	13	.01	.028	14.6	17.4	.21	36.1	.005	<1	.76	.008	.06	4.4	.05	15	.3	.31	3.3
GSMS-004350	1.30	55.00	41.45	113.7	131	25.0	17.2	743	4.22	43.9	1.2	3.3	6.7	20.7	.39	.88	.60	13	.05	.053	21.1	19.8	.27	59.4	.002	<1	1.32	.007	.10	.5	.05	25	.4	.19	4.2
GSMS-004396	1.33	26.96	19.45	65.0	64	23.7	11.4	437	2.59	33.1	5.7	5.2	4.2	160.3	.27	.57	.58	15	1.58	.053	12.8	25.6	.52	79.4	.007	2	1.49	.009	.13	2.0	.08	36	1.3	.09	4.5
GSMS-004402	1.51	28.47	22.98	71.2	65	26.4	15.6	547	3.04	34.8	1.1	2.3	10.5	41.8	.17	.60	1.23	25	.48	.050	27.6	26.1	.61	116.6	.024	1	2.14	.010	.40	1.7	.13	7	.4	.04	5.7
GSMS-004413	1.47	33.67	20.23	56.0	69	29.0	14.0	438	2.76	26.2	1.5	2.4	6.1	65.3	.12	.54	.46	17	.96	.057	15.5	32.8	.60	101.1	.005	1	1.59	.010	.12	2.0	.05	29	.4	.04	5.1
GSMS-004376	1.77	15.26	14.21	44.3	180	16.2	5.9	164	1.84	74.7	.4	7.8	3.1	7.8	.23	.55	.23	10	.01	.022	15.9	14.4	.18	29.0	.003	1	.68	.008	.05	1.9	.02	6	.2	.06	2.6
GSMS-004414	1.19	28.83	20.38	71.2	86	27.9	14.3	574	2.89	27.5	1.7	3.4	6.0	76.4	.16	.62	.43	15	1.05	.049	14.1	25.6	.57	104.3	.003	1	1.59	.008	.12	1.1	.05	32	.5	.07	4.6
GSMS-004389	1.62	19.16	18.28	48.6	37	22.4	11.9	575	2.42	49.4	1.6	3.1	5.4	31.5	.11	.43	.31	16	.46	.039	15.2	19.6	.36	41.6	.005	1	.95	.007	.06	1.5	.03	16	.4	.04	3.0
GSMS-004412	1.90	28.15	21.10	68.3	60	27.7	14.0	539	2.83	34.5	1.2	3.6	5.2	60.9	.18	.67	.77	15	.92	.054	13.5	31.8	.60	84.4	.004	1	1.57	.009	.11	1.9	.05	32	.5	.06	4.7
GSMS-004377	2.02	14.36	14.85	44.7	68	16.9	6.0	185	1.88	106.2	.4	1.4	4.2	4.6	.12	.55	.26	7	.02	.016	14.4	17.8	.19	20.1	.002	<1	.65	.004	.04	1.8	.02	<5	.2	.06	2.3
RE GSMS-004377	1.65	12.29	12.45	46.9	60	14.2	5.1	190	1.96	110.4	.4	1.5	3.6	4.3	.10	.46	.21	7	.02	.014	17.9	14.3	.20	21.4	.002	<1	.69	.004	.04	1.5	<.02	<5	.1	.03	2.0
GSMS-004385	1.07	57.48	37.23	104.1	660	37.3	12.7	528	3.41	137.7	2.5	14.7	5.4	99.7	.78	1.30	.61	15	1.64	.101	15.1	20.9	.39	130.1	.004	2	1.87	.013	.17	.7	.08	100	.7	.10	4.3
GSMS-004405	1.58	34.94	20.52	65.0	66	25.4	13.5	535	2.60	38.5	5.4	5.9	4.8	123.7	.32	.68	.54	16	1.70	.055	13.3	26.2	.54	99.7	.005	3	1.48	.009	.15	.8	.07	40	.7	.07	4.6
GSMS-004380	2.41	14.47	27.14	32.0	197	13.5	5.4	182	1.83	53.2	.4	5.6	2.0	16.3	.16	.47	.29	11	.16	.032	12.3	16.8	.15	47.5	.004	<1	.74	.013	.07	2.6	.04	13	.2	.06	3.2
GSMS-004386	.89	50.84	33.85	103.7	395	34.4	13.4	528	3.48	106.0	3.2	10.8	5.3	93.1	.50	1.00	.58	15	1.48	.085	15.0	18.6	.41	130.0	.004	2	1.88	.015	.18	.6	.08	69	.6	.11	4.8
GSMS-004398	1.82	25.11	20.29	66.6	83	24.5	12.9	511	2.84	36.9	3.4	2.7	6.2	69.0	.15	.58	.71	18	.85	.052	20.4	26.1	.56	81.2	.014	1	1.61	.010	.17	2.2	.10	28	.9	.04	5.3
GSMS-004410	1.47	31.86	21.47	72.6	72	33.8	15.7	602	3.28	35.3	.6	4.3	8.3	56.2	.11	.71	.58	19	.99	.054	24.6	35.5	.82	70.7	.004	1	1.87	.007	.20	.9	.04	12	.4	.08	5.1
GSMS-004378	1.97	14.75	16.53	15.9	410	8.0	2.5	75	.97	44.3	.6	3.2	.2	31.7	.32	.28	.15	7	.24	.058	6.1	14.8	.06	45.5	.006	<1	.52	.022	.04	2.3	.02	29	.3	.04	1.6
GSMS-004566 PULP	1.12	32.96	7.59	53.4	50	15.3	14.7	472	4.13	2.1	.6	.6	2.6	53.1	.08	.12	.17	175	.52	.044	13.4	44.8	.55	88.6	.448	1	4.28	.162	.06	<.2	.14	39	.2	.03	11.2
GSMS-004452	.87	41.30	26.73	66.9	161	29.2	16.2	513	3.00	34.8	2.1	4.5	7.2	94.2	.14	.83	.55	16	1.11	.061	15.6	25.7	.51	88.3	.003	1	1.64	.008	.12	.4	.06	44	.7	.08	5.2
GSMS-004406	1.42	40.74	23.07	81.4	94	34.9	15.7	588	3.28	34.3	2.1	4.0	6.4	79.1	.25	.58	.58	19	.79	.053	19.8	31.7	.70	117.6	.005	1	1.87	.009	.14	1.0	.06	29	.6	.06	6.0
GSMS-004379	1.70	12.03	22.96	44.9	305	14.6	5.8	213	2.10	70.3	.4	2.0	4.3	12.1	.16	.45	.31	19	.09	.014	17.8	18.8	.22	44.4	.009	1	.96	.008	.05	1.3	.04	7	.2	.06	3.8
GSMS-004409	1.46	20.93	19.20	57.6	45	26.5	14.1	505	3.04	37.6	1.0	3.6	6.1	33.0	.06	.59	.40	15	.40	.048	18.5	26.9	.66	50.3	.004	1	1.42	.006	.08	1.5	.03	16	.4	.06	4.7
GSMS-004390	.89	20.42	20.45	49.5	53	20.2	14.2	327	2.35	35.1	1.1	1.5	5.2	28.8	.13	.43	.48	18	.24	.027	14.7	15.4	.22	132.0	.009	1	1.63	.032	.11	.7	.07	23	.4	.03	6.0
GSMS-004407	1.99	24.18	18.47	55.0	52	23.5	12.3	489	2.69	33.2	1.7	2.9	6.3	43.8	.10	.48	.51	15	.45	.037	18.1	26.1	.54	71.4	.007	1	1.38	.008	.11	2.2	.06	20	.4	.04	4.5
GSMS-004400	1.31	24.30	21.71	70.9	79	25.8	13.4	553	3.01	50.0	1.1	3.0	10.4	29.4	.17	.57	.85	21	.33	.048	28.0	27.3	.59	78.8	.020	1	1.74	.010	.26	1.5	.12	10	.4	.06	5.1
GSMS-004451	1.54	29.78	23.89	67.5	86	28.8	14.8	567	3.14	34.8	1.3	5.8	6.7	57.9	.11	.62	.52	15	.61	.055	17.6	26.3	.54	94.0	.003	1	1.63	.007	.13	2.2	.05	27	.5	.04	4.9
GSMS-004553	.59	39.31	20.12	101.5	16	37.2	23.3	950	3.72	1.3	.9	.4	8.9	9.5	.07	.48	.50	19	.05	.043	22.3	26.1	.74	61.2	.007	1	1.51	.007	.12	.3	.03	8	.3	.02	4.5
STANDARD DS2	13.99	127.15	30.63	163.0	258	36.5	12.7	819	3.14	60.5	20.3	202.8	3.4	30.4	11.36	10.09	11.15	81	.55	.087	17.0	178.6	.60	142.9	.113	4	1.76	.032	.16	7.1	1.80	249	2.5	1.90	6.3

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Cs ppm	Ge ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Li ppm
GSMS-004369	.83	<.1	.54	4.9	.5	1.5	<.01	4.5	1.15	38.8	<.02	1	9.0
GSMS-004394	1.07	.1	.94	12.5	1.8	1.1	<.01	4.4	4.32	41.0	.02	1	45.6
GSMS-004348	.86	.1	.13	5.1	1.8	.6	<.01	2.1	2.26	62.2	.03	2	14.8
GSMS-004401	1.84	.1	1.01	16.2	2.0	.8	<.01	5.9	6.47	50.3	.02	2	52.0
GSMS-004395	.83	.1	1.47	9.6	1.8	1.7	.09	5.8	7.52	21.6	.02	2	37.4
GSMS-004349	.71	.1	.29	6.3	.9	.1	<.01	1.8	1.37	43.9	<.02	<1	31.7
GSMS-004370	1.03	<.1	.50	4.4	.8	<.1	<.01	.8	1.27	28.2	<.02	1	25.6
GSMS-004350	1.73	.1	.20	8.5	1.2	.4	.02	2.3	1.48	36.7	.03	2	35.2
GSMS-004396	.95	.1	1.52	10.9	1.8	1.1	.08	5.3	5.72	23.4	.02	3	40.4
GSMS-004402	2.17	.1	.93	19.2	2.4	.8	<.01	8.5	7.44	58.3	.02	3	58.4
GSMS-004413	.62	.1	.77	7.6	2.4	.4	.04	5.2	6.27	28.6	.03	1	43.5
GSMS-004376	.32	<.1	.23	3.7	.5	.2	.01	.9	.97	25.9	<.02	<1	13.8
GSMS-004414	.52	.1	.57	7.9	1.9	.4	.04	5.2	5.94	24.4	.02	2	41.7
GSMS-004389	.38	<.1	.46	4.2	1.4	.3	.03	3.0	3.50	27.5	<.02	<1	28.7
GSMS-004412	.50	.1	.71	7.7	1.8	.4	.05	5.0	5.29	23.8	.02	<1	39.6
GSMS-004377	.42	.1	.13	3.7	.6	.2	<.01	1.2	.95	26.2	<.02	2	18.4
RE GSMS-004377	.38	<.1	.10	3.4	.5	<.1	<.01	.7	.88	26.2	<.02	<1	15.5
GSMS-004385	1.36	.1	1.07	11.7	2.7	.6	.15	8.2	16.46	21.2	.03	3	30.5
GSMS-004405	.86	.1	1.24	11.3	1.9	.9	.08	7.1	5.52	24.3	.02	1	40.5
GSMS-004380	.64	<.1	.37	6.2	.6	.3	.02	.5	1.31	22.1	<.02	<1	13.6
GSMS-004386	1.27	.1	1.18	11.8	2.9	.6	.10	6.9	11.72	23.4	.04	2	34.5
GSMS-004398	1.59	.1	1.98	17.3	2.0	1.0	.04	4.2	6.35	36.0	.02	1	49.4
GSMS-004410	.46	.1	.35	7.0	2.0	.3	.01	6.1	6.16	43.9	.02	1	49.0
GSMS-004378	.45	<.1	.51	3.3	.3	.4	.05	.6	2.31	10.5	<.02	<1	4.2
GSMS-004566 PULP	1.01	.1	.62	5.0	9.8	1.6	<.01	47.7	15.99	30.4	.06	<1	11.0
GSMS-004452	.70	.1	.68	8.1	2.1	.6	.04	7.2	7.89	27.7	.02	2	42.7
GSMS-004406	.79	.1	.92	9.5	2.0	.6	.02	4.8	5.40	35.3	.02	<1	52.1
GSMS-004379	.50	<.1	.86	4.6	.9	.6	<.01	1.7	1.52	31.1	<.02	<1	25.1
GSMS-004409	.40	.1	.41	5.3	1.5	.3	.02	3.6	4.05	33.1	.02	<1	44.0
GSMS-004390	1.07	<.1	1.36	9.4	1.4	.6	.01	5.0	3.95	27.0	.02	<1	28.2
GSMS-004407	.74	<.1	.92	8.1	1.6	.6	.02	3.8	4.49	32.9	<.02	2	40.3
GSMS-004400	1.89	.1	.91	16.5	2.1	.9	<.01	6.4	7.20	49.7	.02	<1	50.7
GSMS-004451	.53	<.1	.49	7.8	1.9	.6	.04	4.9	5.88	30.4	.02	<1	40.0
GSMS-004553	1.35	.1	.11	5.0	1.3	.5	<.01	3.7	5.67	50.6	<.02	1	49.2
STANDARD DS2	2.38	.1	2.21	14.0	3.1	27.2	.02	3.9	8.11	30.4	5.49	4	13.7

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm
GSMS-004574	.44	55.71	38.13	153.7	40	43.1	26.7	897	4.95	7.6	1.2	.3	9.5	16.6	.22	.32	.59	15	.01	.023	47.6	15.8	.10	66.6	.002	3	.62	.002	.12	.2	.10	6	.2	.02	2.1
GSMS-004557	.78	27.74	28.14	83.6	43	31.5	17.8	762	3.92	3.1	.8	<.2	4.7	5.0	.09	.48	.36	21	.02	.035	27.4	18.9	.56	44.0	.021	1	1.40	.003	.14	.3	.05	15	.2	.03	5.1
GSMS-004571	1.12	19.89	40.28	112.2	33	31.2	18.8	875	3.77	6.9	.8	1.0	2.7	10.0	.29	.67	.46	27	.03	.047	42.5	30.9	.97	70.7	.024	1	1.94	.004	.11	.6	.07	12	.4	.02	6.2
GSMS-004563	.37	40.28	15.11	111.1	33	42.2	23.1	775	4.39	1.1	.8	.2	9.3	4.5	.06	.19	.45	30	.02	.040	31.2	36.7	1.04	32.1	.008	<1	1.93	.012	.07	<.2	.04	8	.1	.10	6.2
GSMS-004577	.88	21.30	188.59	334.7	161	27.2	18.0	1593	4.33	16.7	1.0	.5	7.1	57.1	1.69	.85	.34	34	.93	.044	28.8	28.2	.86	151.0	.005	<1	2.28	.006	.09	.5	.09	16	<.1	.05	4.3
GSMS-004555	.66	29.35	35.79	105.7	51	22.1	21.1	1136	2.47	11.2	.6	.3	5.6	897.0	.12	.60	.24	8	13.38	.037	19.0	16.9	.33	36.1	.002	<1	.88	.002	.10	.2	.05	15	.4	.13	2.6
GSMS-004561	.95	25.64	19.10	81.7	33	28.0	16.1	529	3.39	2.5	.6	<.2	4.9	10.3	.09	.54	.39	19	.10	.051	27.7	19.6	.51	79.9	.007	<1	1.38	.006	.15	.8	.06	25	.3	.03	5.0
GSMS-004570	.58	17.21	22.93	114.7	18	36.9	17.6	508	3.82	5.7	.7	.9	7.8	9.0	.20	.58	.37	23	.06	.034	38.3	26.8	.89	77.8	.059	<1	1.68	.004	.15	.4	.08	9	.3	.03	4.8
GSMS-004554	.60	25.53	30.98	84.0	58	27.2	12.4	647	3.55	3.4	.9	.4	6.7	8.4	.09	.25	.38	14	.02	.050	44.5	20.9	.60	40.4	.004	<1	1.56	.006	.11	.5	.03	14	.1	.07	5.5
GSMS-004562	.41	30.51	11.30	113.7	29	41.7	22.7	791	4.33	.7	.7	<.2	8.9	4.5	.12	.16	.29	30	.02	.026	32.2	35.8	1.07	46.6	.009	<1	2.08	.010	.07	<.2	.03	5	.1	.03	6.1
GSMS-004569	.80	35.89	73.60	174.4	59	41.4	28.5	944	4.44	17.7	1.0	.9	7.3	29.4	.41	.80	.58	30	.30	.059	35.4	31.7	1.20	132.6	.034	1	2.42	.007	.22	.4	.14	11	<.1	.04	6.8
GSMS-004556	1.05	31.04	24.30	93.5	77	32.9	16.1	739	4.22	9.0	.8	.9	6.5	7.5	.11	.46	.41	22	.02	.046	27.2	25.0	.76	30.8	.007	<1	1.84	.006	.09	.4	.04	11	.2	.04	6.1
GSMS-004576	.97	23.82	57.57	132.0	46	28.4	19.0	1310	3.82	29.7	.6	1.3	4.8	7.7	.43	.56	.52	23	.04	.047	33.7	24.9	.71	101.3	.010	<1	1.76	.003	.10	.6	.09	12	.3	.03	6.2
GSMS-004560	.77	42.91	17.44	99.3	32	34.3	19.0	740	3.65	2.1	.5	.2	4.5	4.8	.09	.52	.26	18	.04	.050	20.0	25.0	.65	50.3	.006	<1	1.51	.004	.14	.3	.05	22	.2	.02	5.1
GSMS-004568	.79	9.66	15.28	84.4	37	26.3	20.3	834	4.35	3.8	.9	3.4	2.1	9.7	.15	.40	.95	28	.01	.053	48.7	31.7	.71	59.8	.049	<1	1.52	.003	.12	.3	.09	18	.3	.22	5.3
GSMS-004572	.86	21.46	20.03	133.2	22	44.7	24.7	611	5.64	5.7	.7	1.5	7.0	7.7	.14	.51	.43	41	.04	.025	33.2	63.3	1.61	66.9	.040	1	2.79	.005	.11	.4	.06	11	.2	.07	9.0
GSMS-004559	.97	50.87	52.94	118.2	22	38.2	26.0	994	4.86	7.2	1.8	.6	8.3	15.2	.06	.40	.77	18	.02	.053	54.0	26.4	.81	40.7	.006	<1	2.24	.005	.12	.4	.05	9	.3	.10	7.0
GSMS-004565	.60	28.88	19.50	106.1	22	42.1	23.1	3203	3.86	.4	.7	.6	6.9	12.3	.23	.16	.28	24	.36	.039	28.0	30.6	1.17	73.5	.009	<1	1.97	.013	.07	.2	.03	8	<.1	.05	6.0
GSMS-004573	.80	33.95	33.29	109.3	44	35.4	20.0	511	4.54	3.0	.8	.8	7.8	7.3	.12	.39	.70	20	.02	.053	43.1	31.0	1.00	86.2	.023	1	2.21	.004	.13	.4	.07	11	.2	.05	6.6
RE GSMS-004573	.79	32.53	32.46	103.3	39	33.8	19.2	479	4.33	2.9	.8	.7	7.5	6.8	.11	.40	.71	19	.02	.051	40.4	29.3	.95	80.7	.021	1	2.10	.003	.12	.4	.07	11	.2	.04	6.3
GSMS-004558	1.87	112.12	28.34	104.7	35	44.5	49.1	1574	4.24	4.9	1.4	.5	6.4	12.5	.12	.85	.72	15	.08	.049	32.4	25.4	.68	100.3	.006	1	1.82	.003	.14	.2	.08	11	.2	.05	4.9
GSMS-004564	1.10	17.67	23.61	79.5	36	28.5	16.1	816	3.95	4.1	.7	.4	8.9	6.9	.10	.48	.44	34	.05	.031	46.9	32.4	.77	50.0	.007	<1	1.68	.008	.11	.7	.06	13	.2	.03	7.2
GSMS-004575	.57	20.16	24.98	101.4	45	29.0	14.1	504	3.83	9.4	.6	1.0	5.2	9.5	.17	.25	.33	19	.07	.043	40.3	25.6	.82	91.7	.010	1	1.80	.003	.12	.3	.06	<.1	.02	6.0	
GSMS-004567	.77	28.75	23.21	107.7	25	40.2	21.2	986	4.13	3.1	1.0	1.1	9.5	13.9	.04	.21	.33	21	.14	.064	20.1	37.2	.87	94.3	.004	<1	2.12	.016	.15	.4	.03	<.2	.02	6.1	
MOBS-003300	1.05	21.68	23.36	72.0	30	22.4	11.2	454	2.97	13.3	.8	7.2	6.0	4.7	.10	1.64	.32	8	.03	.067	27.9	16.0	.24	28.5	.002	1	.79	.004	.08	.8	.03	11	.1	.02	2.2
MOBS-003524	.76	37.01	28.12	87.0	87	49.3	19.7	528	4.49	4.0	1.6	1.0	15.1	101.3	.08	.30	.47	8	.23	.040	27.0	23.6	.83	54.8	.002	<1	1.61	.004	.04	.6	<.02	<.1	.04	3.7	
MOBS-003303	.72	19.57	17.58	62.6	21	24.2	10.4	317	2.96	11.2	.6	2.6	6.1	4.8	.06	.54	.30	14	.03	.042	18.7	18.2	.50	30.0	.007	1	1.35	.005	.05	.4	.03	8	.2	.03	4.1
MOBS-003525	.88	30.54	31.64	72.7	105	39.7	21.7	554	4.16	8.1	1.5	.7	14.4	105.0	.15	.45	.37	11	1.19	.064	35.4	17.8	.46	49.5	.003	<1	1.30	.005	.07	.8	.03	7	.1	.04	2.3
MR 04497	.76	34.01	56.18	123.2	86	35.5	23.9	1089	4.28	18.0	.8	1.2	6.5	8.1	.19	.51	.81	28	.03	.037	42.0	33.7	.94	70.0	.017	1	2.12	.003	.10	.3	.08	8	.2	.06	6.3
MOBS-003299 PULP	1.11	34.95	8.11	52.2	42	14.7	15.3	540	4.40	2.7	.7	1.1	2.7	52.5	.11	.12	.19	177	.52	.045	14.0	44.6	.58	90.9	.474	<1	4.29	.134	.07	.2	.14	32	.5	.06	11.2
MOBS-003518	.82	11.87	8.22	12.2	13	10.5	7.6	739	1.13	21.6	.5	3.4	8.8	14.8	.02	.12	.14	2	.16	.046	18.8	6.2	.19	14.6	.002	<1	.64	.001	.02	1.2	<.02	<.1	.02	1.5	
MOBS-003530	1.08	12.87	18.66	69.8	92	22.3	12.4	650	3.86	6.9	.7	.7	3.5	6.4	.15	.40	.58	37	.02	.037	39.7	30.8	.57	70.1	.031	1	1.58	.007	.13	.5	.11	18	.2	.03	7.2
MOBS-003526	1.38	23.34	19.09	76.0	19	27.8	13.4	431	3.57	3.1	.7	.8	9.6	49.9	.08	.19	.38	11	.08	.053	18.6	27.7	.77	42.5	.005	<1	1.62	.005	.07	1.9	.02	<.1	.05	4.6	
MOBS-004506	.42	10.53	13.19	107.3	52	40.7	25.8	1253	4.36	.4	.6	.8	9.1	6.9	.14	.30	.46	31	.04	.047	53.3	39.2	1.14	54.7	.028	<1	1.77	.008	.10	.2	.03	5	<.1	.05	5.3
STANDARD DS2	14.43	132.53	31.90	168.1	259	37.1	13.0	836	3.24	60.7	21.6	208.8	3.7	30.5	11.60	9.55	11.60	84	.56	.085	18.2	176.6	.62	146.6	.117	2	1.79	.034	.17	7.3	1.88	260	2.5	1.86	6.2

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Cs ppm	Ge ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Li ppm
GSMS-004574	1.55	.1	.08	7.6	1.3	.9	<.01	2.8	4.86	79.9	.03	2	7.6
GSMS-004557	1.21	.1	.50	9.2	1.0	.3	<.01	1.4	3.98	46.9	.02	<1	25.0
GSMS-004571	2.73	.1	.43	9.2	1.1	.6	.01	1.3	5.85	75.8	.03	1	39.9
GSMS-004563	2.72	.1	.21	5.8	1.3	<.1	<.01	3.7	4.65	58.0	<.02	1	52.5
GSMS-004577	1.81	.1	.27	8.3	5.2	.1	.01	4.4	15.10	65.3	.06	2	19.7
GSMS-004555	1.19	.1	.07	5.8	1.7	<.1	.01	3.3	9.59	34.6	.02	2	16.5
GSMS-004561	1.35	.1	.30	9.6	.8	<.1	.03	6.3	3.54	45.2	<.02	1	24.4
GSMS-004570	1.94	.1	.74	10.8	1.2	.3	.01	2.8	5.50	61.8	<.02	1	35.1
GSMS-004554	.84	.1	.13	6.8	.9	<.1	.01	5.5	4.10	74.1	.02	<1	36.9
GSMS-004562	1.55	.1	.28	5.1	1.2	<.1	<.01	3.7	4.09	55.3	<.02	1	50.8
GSMS-004569	4.52	.1	.74	19.2	2.5	.3	.01	5.9	10.84	63.9	.03	1	50.9
GSMS-004556	1.01	.1	.28	6.7	1.2	<.1	.01	5.2	4.19	49.9	.02	<1	48.0
GSMS-004576	1.26	.1	.43	8.7	1.0	<.1	.02	3.4	4.18	56.9	.02	<1	28.7
GSMS-004560	1.63	<.1	.23	8.3	1.0	<.1	.01	8.9	3.69	32.6	.02	<1	30.7
GSMS-004568	2.48	.1	.66	10.0	.7	.4	.03	.8	5.51	86.1	<.02	<1	30.7
GSMS-004572	2.06	.1	.80	7.9	2.2	.4	<.01	5.0	4.91	56.7	.02	<1	65.2
GSMS-004559	1.84	.1	.26	8.0	1.5	.3	<.01	7.9	6.91	95.8	.03	<1	61.1
GSMS-004565	1.14	.1	.22	4.7	3.0	.1	.01	4.4	12.01	49.0	.03	<1	57.2
GSMS-004573	2.04	.1	.49	10.3	1.3	.2	.01	5.4	5.10	73.3	.02	1	41.3
RE GSMS-004573	1.96	.1	.48	9.8	1.2	.2	<.01	5.4	4.90	67.7	.02	<1	40.7
GSMS-004558	2.42	.1	.14	8.7	1.3	.2	<.01	5.9	7.58	54.3	.03	2	37.9
GSMS-004564	1.18	.1	.41	9.3	1.6	.4	<.01	3.6	4.05	80.7	.02	<1	38.2
GSMS-004575	1.07	<.1	.25	8.3	1.0	.3	.01	4.9	4.78	64.5	.02	2	31.7
GSMS-004567	1.43	.1	.08	5.1	1.7	.2	<.01	3.5	6.55	37.4	<.02	2	66.8
MDBS-003300	.81	<.1	.09	5.4	1.2	.1	.01	4.0	3.90	48.9	.02	<1	25.8
MDBS-003524	.21	.1	.08	2.5	1.1	.1	.01	4.2	12.67	51.4	.02	2	44.1
MDBS-003303	.52	.1	.18	3.9	1.1	.2	<.01	3.6	3.42	32.4	<.02	1	45.8
MDBS-003525	.36	.1	.12	4.3	2.2	.1	.02	5.9	20.36	57.9	.03	1	18.9
MDBS-004497	4.14	.1	.50	10.7	1.6	.4	<.01	3.7	4.95	74.2	.04	<1	40.0
MDBS-003299 PULP	1.09	.1	.60	5.3	9.7	1.2	<.01	46.2	16.45	30.9	.06	3	10.9
MDBS-003518	.15	<.1	.12	1.4	.5	<.1	<.01	.9	5.11	36.1	<.02	<1	9.7
MDBS-003530	2.16	.1	.99	14.1	1.2	.9	.01	.4	3.90	69.5	.02	<1	25.5
MDBS-003526	.21	.1	.88	4.0	.8	<.1	<.01	2.2	4.87	36.3	<.02	<1	48.8
MDBS-004506	1.36	.1	.35	6.6	1.4	.3	<.01	1.9	4.55	97.7	<.02	<1	46.6
STANDARD DS2	2.58	.1	2.13	14.5	3.3	27.9	.02	4.2	8.48	31.6	5.54	2	14.2

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



ACME ANALYTICAL



ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm
MOBS-003297	.54	15.70	16.77	58.1	21	19.0	7.9	343	3.46	15.8	.6	1.6	5.2	3.0	.05	.69	.67	18	.01	.048	27.8	23.2	.39	43.4	.004	1	1.42	.004	.07	.8	.06	21	.4	.07	5.8
MOBS-003519	.43	23.33	8.59	83.8	27	34.3	11.6	362	4.20	9.2	1.3	1.1	14.0	8.8	.03	.32	.42	11	.11	.082	21.3	24.2	.94	20.2	.006	1	1.86	.003	.06	.4	.02	12	.3	.04	5.4
MOBS-004503	.33	16.45	18.50	101.5	29	37.3	23.5	1445	4.19	2.8	.5	.6	8.6	10.1	.12	.31	.61	34	.08	.033	52.4	43.4	1.15	97.4	.025	<1	1.89	.009	.08	.3	.03	<5	.2	.02	6.2
MOBS-003298	.43	16.30	20.71	75.8	16	27.5	11.5	527	3.55	18.6	.7	1.5	7.0	5.5	.09	.64	.40	11	.04	.040	25.8	21.4	.60	30.1	.002	<1	1.47	.004	.06	1.1	.03	10	.3	.06	4.3
MOBS-003307	.46	16.60	27.49	68.3	50	18.5	9.5	436	2.57	17.4	.8	2.7	2.8	6.3	.08	4.28	.34	9	.03	.032	12.5	12.3	.21	23.8	.006	<1	.69	.003	.04	.8	.02	10	.2	.03	1.9
MOBS-003521	.42	26.30	7.89	50.3	29	34.2	14.3	543	4.10	6.6	1.5	1.1	12.5	4.0	.01	.37	.71	15	.03	.050	24.5	27.0	.93	22.6	.009	<1	1.84	.003	.05	.3	.03	9	.4	.13	5.7
MOBS-004508	.15	8.70	7.92	90.3	25	40.5	24.6	1069	4.13	.7	.7	.7	10.7	13.6	.08	.26	.47	34	.13	.027	50.0	37.9	1.02	70.4	.061	<1	1.49	.015	.13	.2	.05	<5	.2	.04	4.4
MOBS-003311	.45	18.35	27.11	77.6	20	20.6	13.7	714	3.69	11.7	.9	1.1	4.5	4.7	.06	4.37	.59	13	.03	.046	15.3	19.3	.42	28.0	.005	<1	1.31	.006	.06	.6	.04	14	.4	.04	4.5
MOBS-004498	.44	27.12	36.10	122.9	42	36.7	21.6	970	4.16	8.8	.7	1.2	7.9	8.8	.15	.50	.81	21	.03	.028	48.7	29.2	1.01	92.4	.023	1	2.10	.004	.14	.2	.10	8	.4	.21	5.9
MOBS-003301	.47	22.29	25.99	73.5	36	22.8	11.6	474	2.98	15.8	.8	2.1	5.4	5.1	.08	2.03	.46	8	.03	.075	32.5	11.4	.25	29.2	.003	1	.82	.003	.09	.7	.04	15	.3	.09	2.4
MOBS-004504	.56	10.76	30.07	94.9	53	27.3	14.8	1158	3.71	4.8	.6	<.2	7.9	4.4	.08	.61	.64	20	.03	.033	49.5	26.6	.91	54.9	.023	<1	1.75	.004	.10	.6	.05	7	.3	.04	6.0
MOBS-003527	.57	29.09	17.88	55.5	58	40.9	17.2	520	4.26	1.5	2.5	.8	17.8	17.8	.03	.15	.46	10	.15	.049	35.7	26.5	1.02	33.6	.002	<1	1.91	.006	.07	.2	.03	<5	.2	.04	4.7
RE MOBS-003527	.55	27.75	17.14	53.3	58	38.9	16.3	500	4.08	1.4	2.4	1.1	17.4	17.2	.03	.15	.45	10	.14	.046	34.5	28.7	.98	32.7	.003	<1	1.81	.006	.07	.2	.02	<5	.2	.02	4.5
MOBS-003308	.46	24.02	22.90	74.4	66	22.2	11.8	742	3.69	11.2	.8	1.3	4.0	3.4	.05	3.69	.51	13	.01	.057	16.9	18.3	.39	30.2	.003	1	1.17	.003	.08	.6	.03	21	.3	.04	4.9
MOBS-003302	.51	17.06	18.43	37.3	85	12.8	7.4	335	1.82	4.7	1.9	.8	1.0	22.3	.03	.53	.26	12	.19	.075	12.9	14.0	.22	70.8	.009	1	1.36	.025	.09	.8	.06	18	.6	.02	3.7
MOBS-004499 PULP	1.18	34.23	8.39	54.0	57	14.7	16.0	495	4.19	2.4	.7	1.1	3.0	55.0	.09	.15	.18	178	.55	.046	13.6	47.5	.58	88.8	.469	<1	4.30	.155	.07	.2	.15	39	.4	.07	11.8
MOBS-004511	.47	25.18	53.66	139.5	86	38.2	19.6	1133	4.22	9.3	.7	.8	8.9	16.1	.32	.47	.41	25	.21	.054	35.7	29.2	1.23	82.9	.021	1	2.12	.007	.12	.2	.07	<5	<.1	.02	5.4
MOBS-003312	.44	23.05	26.80	70.4	18	19.2	11.8	586	3.78	11.9	1.0	.6	4.8	3.3	.06	7.34	.52	12	.01	.037	15.8	13.8	.21	30.1	.002	<1	.78	.005	.07	.7	.04	14	.3	.04	3.7
MOBS-003304	.67	14.73	30.43	57.4	14	19.8	10.7	385	3.01	23.8	.7	1.8	3.0	8.3	.05	4.94	.31	16	.03	.037	14.7	18.0	.21	35.5	.008	1	.86	.004	.07	1.2	.05	10	.4	.04	2.5
MOBS-003520	.48	27.48	8.60	48.9	29	35.0	14.7	600	4.23	7.3	1.5	1.1	13.0	3.5	.03	.41	.50	15	.02	.053	25.2	26.9	.92	25.1	.007	<1	1.85	.003	.06	.4	.02	9	.3	.04	5.7
MOBS-003513	.58	15.56	21.53	63.1	47	17.7	8.8	184	2.88	21.8	.7	1.6	.9	8.5	.04	14.71	.34	12	.04	.048	9.5	6.4	.07	46.9	.006	1	.62	.016	.07	1.0	.05	20	.3	.04	2.2
MOBS-003523	.42	48.12	19.02	110.2	61	43.2	18.7	701	4.71	3.6	3.9	1.4	19.7	15.2	.06	.22	.47	15	.23	.061	42.2	29.4	1.15	29.0	.003	<1	2.33	.002	.04	<.2	.02	<5	.1	.04	6.0
MOBS-004500	.61	9.39	14.19	96.7	45	36.9	25.8	1613	4.27	1.6	.6	<.2	9.1	7.2	.09	.34	.53	28	.02	.026	60.5	32.7	.85	78.7	.020	<1	1.42	.010	.11	.3	.04	6	.2	.03	4.4
MOBS-003516	.43	28.56	15.16	100.7	25	33.1	12.0	456	4.33	12.1	.9	.5	6.3	4.2	.11	.86	.45	22	.01	.045	4.3	31.3	.73	26.1	.003	1	1.80	.005	.08	.4	.04	30	.4	.03	6.4
MOBS-003305	.56	25.80	10.72	74.7	11	24.7	10.9	355	3.70	4.9	.9	.6	3.5	3.9	.07	1.80	.46	16	.01	.054	19.3	20.2	.45	34.9	.005	1	1.37	.004	.08	.6	.04	9	.4	.04	5.4
MOBS-004501	.49	11.40	14.82	96.5	39	38.2	25.8	1299	4.05	1.2	.8	<.2	9.8	6.2	.06	.32	.56	24	.02	.025	56.1	31.7	.90	46.3	.021	<1	1.40	.009	.08	.2	.03	<5	.2	.03	4.0
MOBS-004512	.55	15.00	26.62	103.0	82	29.2	19.4	819	3.96	5.6	.6	<.2	8.3	14.0	.22	.51	.70	31	.10	.033	34.8	30.7	.91	141.2	.043	1	1.91	.009	.22	.5	.13	<5	.2	.04	6.7
MOBS-003306	.56	30.88	34.17	98.2	20	32.0	19.7	970	4.25	17.8	1.1	3.5	4.8	6.1	.06	4.39	.58	13	.01	.042	14.2	18.9	.47	36.3	.005	1	1.34	.004	.08	.7	.04	14	.4	.06	3.9
MOBS-003522	.37	21.23	4.19	45.9	18	28.1	8.9	243	3.39	2.7	.8	.6	6.6	5.7	.04	.19	.28	17	.06	.068	25.6	27.9	.79	26.2	.010	<1	1.73	.009	.05	.4	.03	10	.4	.02	5.5
MOBS-004514	.76	13.64	15.32	71.7	103	24.2	12.9	515	3.27	7.0	.7	2.5	7.5	11.2	.27	.35	.64	32	.07	.028	34.7	29.0	.65	94.6	.043	1	1.64	.008	.15	1.0	.09	11	.3	.02	6.2
MOBS-003514	.42	22.84	7.97	89.2	18	26.7	16.0	599	3.44	2.3	.7	.2	4.2	5.5	.09	.77	.48	12	.01	.037	4.3	15.4	.53	39.2	.004	1	1.31	.006	.07	.5	.03	15	.2	.04	4.2
MOBS-004502	.19	21.21	14.20	99.0	24	40.8	26.5	1528	4.02	.8	.5	<.2	10.2	8.0	.04	.29	.43	29	.07	.032	54.0	34.7	1.08	66.5	.023	1	1.61	.011	.09	.2	.03	<5	.2	.04	4.2
MOBS-003517	.37	10.56	13.34	69.6	15	24.9	15.8	1052	3.62	.6	.8	.6	3.4	4.6	.15	.47	.36	27	.01	.045	3.1	22.9	.51	42.5	.008	1	1.17	.007	.07	.3	.05	15	.2	.03	4.9
MOBS-004510	.88	16.56	30.47	123.5	47	33.4	18.2	838	4.17	16.4	.6	.4	8.1	11.9	.87	.44	.71	29	.09	.034	36.3	32.2	1.06	80.3	.026	1	1.84	.004	.11	.2	.05	5	.3	.03	5.8
STANDARD DS2	14.25	130.16	30.46	165.4	254	36.9	12.8	835	3.18	61.5	20.6	197.3	3.2	30.1	11.49	9.69	10.63	83	.55	.083	17.4	177.3	.61	144.9	.115	1	1.79	.031	.17	7.3	1.85	240	2.5	1.84	6.2

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Cs ppm	Ge ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Li ppm
MDBS-003297	.90	.1	.22	6.0	.9	1.3	.02	2.4	2.23	45.5	.02	<1	33.9
MDBS-003519	.21	<.1	.96	3.7	.8	.6	.01	3.3	4.19	35.2	<.02	<1	51.8
MDBS-004503	1.65	.1	.25	7.1	1.7	.6	<.01	1.9	4.18	95.3	.02	1	46.6
MDBS-003298	.57	.1	.08	4.1	1.0	.3	.01	2.5	2.79	43.0	.02	<1	54.0
MDBS-003307	1.24	<.1	.09	3.4	.8	.2	.01	.7	2.84	23.9	.02	1	26.6
MDBS-003521	.25	.1	.83	3.5	.8	<.1	.01	3.2	4.97	39.2	<.02	1	54.9
MDBS-004508	1.26	.1	.28	9.1	1.4	.4	<.01	2.3	4.62	91.6	<.02	<1	45.3
MDBS-003311	2.54	<.1	.19	5.5	1.3	.3	.01	1.4	3.50	27.9	.03	<1	66.5
MDBS-004498	2.84	.1	.35	10.2	1.5	.2	<.01	2.2	5.26	87.9	<.02	1	49.6
MDBS-003301	1.08	.1	.11	6.4	1.2	.4	.01	2.5	4.17	60.7	.02	1	29.6
MDBS-004504	1.09	.1	.54	8.8	1.1	.5	<.01	2.4	4.18	87.2	<.02	1	42.3
MDBS-003527	.23	.1	.20	4.4	1.1	.2	.02	3.2	10.48	60.0	.02	2	63.4
RE MDBS-003527	.23	.1	.18	4.4	1.1	.2	.02	3.1	10.14	56.7	.02	2	60.7
MDBS-003308	.97	<.1	.13	5.7	1.0	.2	.01	1.8	3.09	28.7	.02	1	69.0
MDBS-003302	4.04	<.1	.39	7.8	.7	.4	.06	1.4	5.91	20.7	<.02	1	28.3
MDBS-004499 PULP	1.17	.2	.56	5.5	10.5	1.6	<.01	44.0	16.73	32.9	.07	3	12.3
MDBS-004511	1.49	.1	.24	9.9	2.4	.4	<.01	6.8	8.03	62.3	.02	2	44.5
MDBS-003312	2.44	<.1	.13	4.9	1.5	.4	<.01	1.4	3.07	29.2	.03	<1	26.4
MDBS-003304	1.13	<.1	.24	5.1	1.2	.5	.01	.3	3.85	25.9	.02	<1	18.4
MDBS-003520	.27	.1	.79	4.0	.9	.3	.01	3.4	4.74	40.3	<.02	2	54.1
MDBS-003513	3.20	<.1	.27	5.7	1.0	.4	.03	.4	2.10	16.1	.02	<1	2.7
MDBS-003523	.34	.1	.10	2.2	1.4	.4	<.01	5.8	11.58	57.3	.02	2	65.3
MDBS-004500	1.23	.1	.22	6.8	1.0	.6	<.01	.9	3.70	105.4	<.02	<1	43.0
MDBS-003516	.85	<.1	.15	5.8	2.0	.5	.01	6.9	4.48	9.4	.02	<1	57.7
MDBS-003305	.76	<.1	.12	5.6	1.1	.4	<.01	1.7	3.95	31.2	.02	<1	76.7
MDBS-004501	1.12	.1	.20	5.5	1.0	.5	<.01	1.6	3.53	102.0	<.02	1	47.4
MDBS-004512	1.99	<.1	.73	20.8	1.7	.8	<.01	5.0	4.01	56.4	.02	1	37.9
MDBS-003306	1.37	.1	.15	5.3	1.8	.3	<.01	1.5	4.69	25.7	.03	<1	88.4
MDBS-003522	.24	<.1	.82	3.2	.8	.2	<.01	2.3	4.33	42.1	<.02	1	49.1
MDBS-004514	1.62	.1	1.29	16.4	1.3	.8	<.01	2.7	3.71	59.4	.02	<1	33.4
MDBS-003514	.99	<.1	.18	5.0	1.3	.3	<.01	2.1	2.20	8.7	.02	<1	70.0
MDBS-004502	1.37	.1	.12	4.6	1.5	.3	<.01	2.4	4.57	97.0	<.02	<1	51.1
MDBS-003517	1.00	<.1	.21	5.9	.9	.6	.01	1.1	1.96	5.9	<.02	2	33.5
MDBS-004510	2.24	.1	.31	10.5	1.6	.3	<.01	3.9	4.17	59.7	.02	<1	43.4
STANDARD DS2	2.56	.1	1.96	14.2	3.1	27.5	.02	3.9	8.23	30.7	5.46	3	13.9

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



ACME ANALYTICAL



ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm
MDBS-003528	.53	24.57	15.50	99.0	17.44	2.17	3.726	4.01	13.3	.8	.7	9.1	10.7	.06	.27	.70	18	.10	.062	20.8	40.4	1.12	20.4	.013	1.2	2.23	.004	.07	1.1	.03	10	.3	.07	6.1	
MDBS-004505	.42	16.87	25.58	108.6	38.36	7.21	9.1402	4.00	3.7	.6	.9	8.8	6.1	.12	.45	.52	29	.04	.032	48.1	40.6	1.14	80.4	.016	1.1	1.90	.006	.11	.5	.04	8	.3	.03	5.8	
MDBS-003309	.47	27.86	22.92	96.2	18.29	8.17	2.515	3.91	15.7	1.2	.8	7.9	14.2	.03	3.24	.69	10	.08	.035	19.0	17.8	.40	49.3	.002	1.1	1.17	.005	.13	1.0	.03	13	.2	.04	3.2	
MDBS-003529	.78	22.16	29.67	115.4	26.31	6.15	4.533	4.34	14.7	.8	1.5	5.3	8.6	.20	.68	.55	23	.01	.031	43.7	31.6	.82	65.2	.015	1.2	2.00	.003	.14	.4	.08	12	.3	.04	5.7	
MDBS-003515	.36	4.95	12.38	48.1	23.17	5.8	3.305	3.01	.4	.8	.8	2.0	5.1	.07	.52	.42	22	.01	.046	2.3	20.9	.23	34.3	.007	1.1	.60	.008	.10	.4	.04	30	.2	.04	2.5	
MDBS-003310	.57	22.39	14.04	66.0	24.15	3.9	2.306	3.15	13.5	.6	.6	3.4	4.3	.02	5.02	.49	11	.01	.039	26.9	7.4	.13	32.3	.002	1.1	.53	.007	.09	1.2	.04	11	.3	.02	3.2	
MDBS-004509	.54	29.66	88.18	201.3	174.36	5.20	7.1227	4.16	15.1	.7	.7	8.4	21.2	1.26	.61	.46	24	.33	.055	38.2	30.9	1.15	127.6	.011	1.2	2.20	.005	.16	.4	.09	8	<1	.03	5.8	
MDBS-004513	.51	9.07	15.67	93.8	58.28	5.16	8.690	4.00	2.8	.6	.4	9.4	8.1	.20	.39	.51	30	.04	.029	41.6	29.7	.81	84.7	.056	<1	1.81	.006	.16	.6	.08	7	.2	.02	7.1	
MDBS-004507	.20	3.24	9.52	61.4	32.23	0.15	7.885	3.66	<1	.5	.6	4.9	6.2	.03	.26	.58	23	.01	.028	54.7	27.1	.48	62.4	.024	<1	.86	.011	.13	.3	.05	6	.2	.12	2.8	
SPMS-004303	.57	21.36	21.49	68.3	26.27	3.12	2.466	3.28	13.5	.6	1.2	9.3	20.1	.05	.56	.38	12	.18	.029	31.0	22.5	.42	66.6	.002	<1	1.35	.006	.12	1.4	.05	12	.3	.03	3.8	
SDWS-004326	.94	7.17	16.92	27.9	13.11	5.8	3.312	2.30	11.4	.4	.7	6.7	7.5	.03	.41	.30	20	.03	.016	31.5	18.6	.20	55.1	.005	<1	1.00	.006	.06	3.1	.05	9	.1	.03	4.3	
SDWS-004304	1.14	14.63	20.46	47.7	17.19	0.8	3.393	3.01	19.0	.5	.6	6.9	14.8	.05	1.26	.38	14	.09	.047	29.1	21.5	.29	35.7	.003	<1	.97	.008	.08	2.7	.04	15	.2	.06	3.7	
SDWS-004313	.64	27.19	26.61	77.5	23.25	6.10	3.373	4.01	22.6	.7	1.2	8.1	28.4	.06	2.05	.45	13	.31	.031	29.0	15.8	.21	42.7	.001	<1	.85	.008	.08	1.3	.05	14	.3	.03	3.3	
SDWS-004309	.52	21.24	39.18	71.9	35.26	9.13	4.404	4.32	20.8	.9	2.9	10.7	47.3	.02	1.96	.79	14	.42	.161	34.0	11.3	.09	83.3	.002	<1	1.16	.009	.13	<2	.09	35	.2	.32	2.5	
RE SDWS-004309	.59	22.67	41.76	74.6	35.28	1.14	4.423	4.58	22.2	1.0	3.1	11.2	49.8	.05	2.18	.63	14	.44	.169	35.6	16.0	.10	86.9	.002	<1	1.23	.009	.13	.4	.08	49	.2	.09	2.6	
SDWS-004321	.58	31.88	24.39	76.5	49.33	7.15	5.519	3.47	27.6	.6	3.2	10.8	82.6	.09	1.03	.40	16	1.18	.046	27.8	27.5	.49	85.8	.002	1.1	.76	.009	.24	1.4	.05	25	.3	.08	4.4	
SDWS-004429	.63	34.77	20.98	84.2	90.22	9.14	5.290	2.65	27.8	2.0	2.6	6.2	46.2	.28	.89	.47	17	.51	.034	14.0	20.4	.39	89.1	.005	1.1	.54	.018	.24	.5	.07	35	.5	.06	4.5	
SDWS-004305	.55	11.83	26.14	61.5	36.17	8.9	5.414	2.98	7.8	.5	.5	9.1	13.3	.04	.27	.43	23	.09	.022	42.5	21.0	.34	81.5	.005	<1	1.51	.006	.07	1.0	.07	13	.3	.03	5.3	
SDWS-004317	.68	11.29	29.77	43.3	18.17	7.8	3.353	2.95	16.7	.4	2.8	7.4	8.0	.03	.45	.34	16	.04	.018	34.3	19.8	.29	48.0	.003	1.1	1.17	.005	.10	2.0	.04	9	.2	.03	3.7	
SDWS-004432	.96	20.59	15.19	63.0	78.23	9.11	5.540	2.90	16.6	1.2	1.4	9.4	46.8	.12	.40	.66	17	.55	.047	24.5	24.6	.56	54.2	.020	1.1	1.39	.010	.18	2.9	.11	8	.4	.06	4.2	
SDWS-004310	.78	11.86	14.95	45.3	20.15	2.6	1.182	3.19	11.5	.4	2.3	7.5	7.8	.05	.60	.39	26	.03	.040	38.8	19.2	.21	48.9	.006	<1	1.15	.005	.06	1.6	.06	15	.2	.03	5.2	
SDWS-004325	.62	16.96	17.33	49.3	27.21	3.9	3.373	3.02	17.0	.4	.9	8.4	10.8	.04	.61	.30	13	.06	.016	34.3	21.2	.34	54.3	.003	1.1	1.27	.005	.12	1.6	.04	9	.2	.03	3.5	
SDWS-004443	.30	32.25	12.71	93.5	19.34	0.21	8.1251	3.55	.1	.8	.4	9.4	11.1	.04	.22	.34	18	.07	.034	47.3	27.5	1.02	156.1	.015	1.1	.75	.009	.13	.3	.03	7	.3	<0.2	4.8	
SDWS-004306	.87	5.27	20.91	24.3	34.8	6.7	5.591	1.63	3.1	.2	.6	4.2	12.9	.05	.29	.25	16	.11	.021	21.9	13.3	.10	63.0	.004	<1	.80	.012	.05	2.9	.04	10	.2	<0.2	3.3	
SDWS-004322	.45	22.22	14.33	49.8	56.22	6.9	4.434	2.25	13.0	2.7	1.5	3.2	156.9	.19	.86	.27	9	2.61	.063	10.7	15.5	.30	91.5	.002	4	1.06	.009	.15	.8	.05	44	1.1	.02	2.7	
SDWS-004439	.66	23.92	19.09	71.4	58.27	8.14	4.475	3.04	19.3	.7	6.6	8.6	108.2	.13	.68	.31	14	2.32	.036	20.6	22.0	.59	37.6	.009	1.1	1.35	.005	.12	1.3	.03	12	.4	.03	3.7	
SDWS-004330	.69	10.13	15.41	40.6	24.17	3.6	2.299	2.74	14.8	.4	.9	6.5	9.3	.03	.46	.29	17	.06	.014	26.8	20.9	.32	49.1	.006	1.1	1.17	.004	.06	1.8	.04	9	.2	.02	3.8	
SDWS-004426	.54	15.50	14.84	72.9	54.24	7.11	6.444	3.04	16.8	1.2	3.3	7.0	33.8	.12	.21	.37	15	.51	.039	22.1	29.1	.63	54.1	.006	1.1	1.59	.008	.08	2.5	.04	23	.4	<0.2	4.5	
-004307	.93	23.26	16.54	41.2	107.26	2.10	6.535	3.03	12.1	2.8	1.2	4.9	60.6	.06	.46	.29	14	.64	.066	21.1	23.3	.39	68.0	.006	1.1	1.20	.007	.07	3.4	.03	58	.8	.03	3.3	
-004328	.71	8.03	17.72	39.4	25.11	6.4	4.414	2.28	12.5	.4	.9	6.7	6.5	.04	.49	.33	21	.03	.019	33.1	19.7	.20	42.6	.010	1.1	.85	.006	.07	2.2	.05	8	.1	.04	4.1	
SDWS-004433 PULP	1.09	32.61	8.04	52.8	48.14	3.14	5.529	4.32	2.2	.6	.9	2.5	52.1	.08	.11	.18	176	.51	.045	13.6	46.7	.57	92.4	.500	1.4	.22	.119	.07	.2	.15	38	.8	.03	10.6	
SDWS-004314	.52	27.71	23.59	66.6	104.27	5.11	4.293	3.04	44.5	1.4	8.8	5.3	92.8	.09	.73	.35	12	1.35	.050	13.1	22.9	.41	93.5	.002	1.1	1.42	.013	.12	1.3	.05	45	.9	.03	3.7	
SDWS-004319	.94	6.28	14.26	24.1	28.8	4.4	2.240	1.84	7.9	.4	.8	5.3	8.1	.03	.28	.28	22	.05	.012	28.2	18.8	.15	53.8	.008	1.1	1.00	.006	.05	2.7	.05	8	.2	.02	4.5	
SDWS-004435	.64	34.60	23.54	88.5	86.33	3.16	5.522	3.23	25.8	1.9	4.8	8.1	71.1	.21	.90	.46	16	1.06	.053	18.2	25.7	.62	62.7	.007	2.1	.56	.007	.13	.8	.05	29	.7	.04	4.3	
STANDARD DS2	14.24	129.60	31.31	164.1	249.37	1.12	7.824	3.16	60.2	21.4	202.5	3.2	30.0	11.30	9.38	10.95	82	.55	.085	17.7	170.2	.61	145.1	.115	1.1	.79	.031	.16	7.5	1.90	258	2.7	1.91	6.1	

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Cs ppm	Ge ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Li ppm
MDBS-003528	.40	.1	.83	5.3	1.2	1.2	<.01	1.7	4.70	36.3	.02	<1	80.4
MDBS-004505	1.36	.1	.21	6.9	1.6	.8	<.01	2.1	4.16	84.7	.02	<1	51.4
MDBS-003309	7.21	.1	.13	6.9	2.0	.6	<.01	4.1	4.98	33.3	.03	<1	58.9
MDBS-003529	2.38	.1	.46	11.2	1.3	.5	<.01	1.4	4.90	75.9	.03	1	38.7
MDBS-003515	1.05	<.1	.22	5.6	.8	.4	.02	.7	1.32	4.8	<.02	<1	23.2
MDBS-003310	3.76	.1	.13	7.0	1.1	.2	<.01	.8	2.96	46.9	.02	<1	13.1
MDBS-004509	2.02	.1	.24	11.7	2.7	.1	<.01	6.9	10.10	68.1	.03	2	44.5
MDBS-004513	1.71	.1	1.19	16.2	1.4	.5	<.01	5.5	4.13	72.3	.02	<1	42.1
MDBS-004507	1.24	.1	.16	7.0	.7	.2	<.01	.3	3.29	101.3	<.02	<1	27.3
SDWS-004303	.50	<.1	.26	6.0	1.6	.2	<.01	2.7	3.68	52.2	.02	<1	48.8
SDWS-004326	.45	.1	.70	6.4	.8	.3	<.01	2.2	1.73	56.6	.02	<1	23.6
SDWS-004304	.40	.1	.28	6.1	1.0	.3	<.01	1.0	2.54	52.7	.02	<1	32.0
SDWS-004313	.40	.1	.22	6.3	1.8	.1	<.01	1.5	3.42	52.9	.04	1	22.4
SDWS-004309	1.18	.1	.34	10.6	2.7	.1	<.01	2.7	7.87	70.6	.04	<1	18.0
RE SDWS-004309	1.29	.1	.32	11.1	2.9	.6	<.01	2.8	8.46	76.6	.05	1	19.5
SDWS-004321	.63	.1	.34	7.5	2.3	.3	.01	6.1	6.13	48.2	.03	1	51.3
SDWS-004429	.94	<.1	.97	11.4	1.6	.7	.03	3.9	3.90	24.6	.02	<1	30.4
SDWS-004305	.75	.1	.53	8.4	1.1	.5	<.01	3.3	2.71	70.3	.02	<1	48.6
SDWS-004317	.35	.1	.43	6.0	1.0	.3	<.01	2.2	1.90	57.1	.02	<1	32.9
SDWS-004432	1.67	.1	1.63	21.3	1.6	.6	.01	3.8	5.95	44.3	.02	<1	44.2
SDWS-004310	.50	.1	.77	5.0	.9	.6	<.01	1.3	1.94	64.1	.02	<1	23.6
SDWS-004325	.46	.1	.33	8.2	1.3	.3	<.01	2.9	2.31	58.8	.02	<1	39.3
SDWS-004443	1.73	.1	.15	6.2	1.2	.4	<.01	4.0	5.88	83.0	<.02	3	49.7
SDWS-004306	.44	<.1	.39	4.4	.7	.5	<.01	.8	1.33	41.5	<.02	<1	15.4
SDWS-004322	.55	<.1	.48	8.4	1.5	1.0	.13	4.7	5.99	17.5	.02	<1	25.6
SDWS-004439	.37	<.1	.62	4.6	1.4	.4	.03	5.9	4.80	32.5	.02	<1	40.9
SDWS-004330	.41	<.1	.68	4.9	.9	.5	<.01	1.9	1.85	44.7	.02	1	32.9
SDWS-004426	.76	.1	.65	6.5	1.5	.5	.05	2.8	5.01	37.7	.02	<1	60.6
SDWS-004307	.38	<.1	.60	5.1	1.8	.5	.02	1.9	5.96	36.3	.03	<1	45.9
SDWS-004328	.58	<.1	.76	6.7	.8	.5	<.01	1.1	1.92	59.5	.02	1	20.9
SDWS-004433 PULP	1.21	.2	.56	5.2	9.6	1.6	<.01	44.2	16.02	30.4	.06	4	11.0
SDWS-004314	.92	<.1	.54	7.6	1.9	.4	.09	4.6	6.58	22.4	.02	<1	42.2
SDWS-004319	.44	<.1	.75	5.8	.8	.6	<.01	1.4	1.65	50.1	<.02	<1	17.2
SDWS-004435	.70	<.1	.94	7.5	1.8	.5	.04	6.6	5.98	30.1	.03	1	47.8
STANDARD DS2	2.67	.1	2.17	14.5	3.1	27.8	.02	4.0	8.25	30.4	5.83	2	14.8

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm
SDWS-004332	.74	15.47	19.67	51.8	10	23.6	9.1	253	3.38	14.9	.5	.7	8.5	9.6	.03	.53	.63	18	.03	.016	39.3	19.5	.36	68.7	.005	1	1.55	.007	.12	.9	.05	9	.2	.04	4.9
SDWS-004312	.86	11.85	25.00	44.2	50	19.1	11.2	524	2.86	14.3	.4	.6	6.4	8.6	.05	.52	.46	14	.04	.028	26.4	16.4	.24	45.8	.005	1	.96	.007	.06	2.0	.04	13	.2	.03	3.7
SDWS-004423	.61	14.69	19.95	64.4	12	20.3	11.3	547	3.14	27.6	.5	2.1	7.0	9.0	.11	.67	.45	17	.04	.039	30.7	19.0	.27	35.5	.008	1	.89	.005	.07	1.1	.04	7	.2	.03	3.9
SDWS-004436	.59	39.23	31.22	103.4	77	38.9	21.9	581	3.86	28.7	1.0	7.1	11.2	73.4	.17	.88	.51	18	1.32	.049	25.4	24.7	.75	74.2	.006	1	1.94	.008	.18	.3	.05	17	.4	.06	5.5
SDWS-004427	.87	15.42	14.69	58.4	31	23.3	11.2	353	3.15	19.3	.6	19.1	7.9	10.7	.05	.36	.49	16	.11	.025	28.4	27.1	.54	34.1	.009	<1	1.51	.008	.12	2.5	.05	11	.2	<.02	4.6
SDWS-004315	.60	30.04	28.77	75.4	47	29.0	16.0	495	3.39	68.7	1.9	3.4	8.2	33.5	.08	.80	.45	15	.21	.038	23.5	24.2	.41	94.3	.002	1	1.58	.013	.16	.9	.06	24	.5	.08	5.0
SDWS-004421	.47	31.48	30.14	76.2	115	28.7	14.1	502	3.37	98.5	3.3	8.3	6.8	62.7	.15	.65	.45	14	.84	.071	20.4	21.2	.43	90.2	.004	<1	1.58	.012	.13	.6	.06	36	1.0	.08	4.7
SDWS-004446	.27	36.31	28.42	111.2	24	43.3	22.4	892	4.28	.8	1.4	.7	11.8	18.8	.04	.30	.48	28	.11	.044	32.0	35.3	.99	89.7	.013	<1	2.15	.015	.25	<.2	.03	<.1	.02	5.8	
SDWS-004417	.70	15.76	19.27	52.9	48	21.1	8.4	253	3.07	41.2	.4	3.1	7.6	8.7	.08	.45	.51	14	.03	.023	32.3	23.3	.32	53.4	.003	<1	1.32	.006	.11	1.7	.06	15	.2	.13	4.2
SDWS-004329	.69	18.91	21.31	53.4	19	22.2	9.3	280	3.24	15.1	.5	.6	8.7	6.8	.03	.56	.38	15	.01	.018	37.3	20.8	.38	61.9	.002	<1	1.46	.006	.12	1.3	.05	17	.2	.04	4.2
SDWS-004308	.38	6.54	9.03	33.2	56	10.2	6.1	209	1.60	6.6	.2	.2	3.0	9.3	.02	.36	.51	13	.04	.027	11.5	8.3	.13	40.7	.005	<1	.64	.019	.07	.7	.06	25	.2	.30	3.3
RE SDWS-004308	.48	6.75	9.09	31.8	58	10.5	6.0	201	1.60	6.5	.2	.5	3.1	9.1	.07	.43	.30	12	.04	.026	12.1	9.8	.13	40.3	.005	<1	.64	.022	.07	.8	.04	19	.2	.10	3.4
SDWS-004324	.74	22.63	22.19	60.6	62	22.4	11.8	431	2.94	17.1	1.4	1.5	4.8	49.4	.10	.60	.36	14	.62	.034	21.7	16.3	.36	78.0	.007	1	1.27	.007	.11	1.8	.05	19	.5	.04	3.9
SDWS-004438	.54	35.89	28.83	77.0	55	36.1	20.6	593	3.58	26.6	1.1	6.9	9.9	58.5	.10	.85	.51	17	.88	.033	21.8	24.7	.67	68.7	.005	1	1.73	.006	.13	.4	.04	21	.4	.10	5.0
SDWS-004451	.48	39.24	49.79	128.5	71	32.9	23.3	716	3.95	6.2	1.4	.9	7.4	26.1	.14	.45	.48	20	.38	.062	32.7	25.8	.73	75.6	.005	1	1.66	.007	.14	.3	.05	26	.2	.03	4.4
SDWS-004334	.61	16.87	24.91	51.7	45	19.3	11.7	635	2.95	14.3	.5	.4	7.6	13.6	.06	.37	.33	18	.07	.019	31.2	20.3	.28	75.7	.003	<1	1.37	.006	.11	1.1	.05	14	.3	.04	4.4
SDWS-004316	1.01	12.58	22.43	52.6	32	20.4	9.8	371	3.32	27.4	.4	.6	7.3	5.5	.06	.62	.60	15	.01	.018	32.0	22.1	.33	44.6	.004	<1	1.18	.006	.07	1.9	.04	12	.2	.08	4.3
SDWS-004331	.83	12.74	16.97	46.7	8	18.3	7.3	202	3.47	18.3	.5	.7	6.9	6.7	.03	.53	.40	23	.02	.017	34.5	19.6	.28	53.0	.005	1	1.41	.005	.07	1.2	.07	10	.2	.03	5.4
SDWS-004425	.92	19.48	22.29	62.0	24	22.0	10.0	300	3.41	32.3	.6	.6	8.1	7.7	.10	.89	.45	16	.03	.026	31.1	18.0	.30	39.6	.007	1	1.05	.006	.11	2.4	.04	11	.3	.04	3.7
SDWS-004453	.58	21.10	21.31	71.2	71	24.8	11.3	494	3.47	10.4	.6	.3	7.3	9.0	.03	.54	.44	31	.05	.037	40.3	30.4	.77	34.8	.008	1	1.58	.006	.11	.7	.04	15	.3	.03	7.5
SDWS-004311	1.06	11.82	20.15	30.9	34	13.1	4.4	129	2.09	7.2	.4	1.0	5.7	17.1	.05	.66	.35	18	.15	.017	29.0	9.6	.11	53.7	.004	<1	.76	.005	.05	1.9	.05	17	.2	<.02	3.2
SDWS-004448	.30	29.95	16.98	99.4	16	37.7	21.1	703	3.89	<.1	1.1	1.0	9.7	16.4	.02	.31	.40	24	.09	.035	40.7	27.4	.86	76.0	.013	1	1.57	.010	.16	.2	.03	<.5	.3	.02	4.1
SDWS-004335	.75	13.71	22.87	44.3	55	20.7	11.0	417	2.85	15.2	.4	.7	7.6	7.6	.03	.48	.36	15	.03	.020	31.7	18.4	.30	61.5	.002	1	1.26	.006	.06	1.6	.04	14	.2	<.02	4.0
SDWS-004323	.75	25.45	21.66	63.6	28	28.0	13.3	439	3.17	17.0	.6	2.6	8.6	53.8	.03	.87	.35	13	.55	.019	30.4	20.0	.43	62.0	.003	1	1.39	.009	.16	1.8	.04	11	.4	.04	3.9
SDWS-004455	.43	12.44	16.57	75.0	48	28.1	15.2	553	3.41	1.6	.7	.2	8.1	5.8	.03	.35	.41	23	.02	.030	46.5	27.4	.68	39.0	.011	1	1.39	.009	.13	.6	.04	10	.3	.03	6.0
SDWS-004416	.60	32.61	30.84	84.6	141	30.0	14.9	912	3.30	128.4	2.0	8.0	4.6	87.9	.34	.83	.42	12	1.37	.065	16.4	18.4	.37	91.1	.003	2	1.41	.010	.14	1.4	.05	43	1.1	.06	3.7
SDWS-004333 PULP	1.21	37.08	8.93	55.5	51	15.8	16.0	546	4.30	2.1	.7	.9	2.7	54.2	.08	.15	.23	174	.54	.049	13.8	52.2	.58	91.9	.487	1	4.19	.137	.07	.2	.15	39	1.0	.06	11.5
SDWS-004418	.70	15.08	19.90	53.8	28	23.7	9.6	351	3.10	85.1	.5	1.2	7.6	6.3	.04	.44	.40	16	.02	.027	32.3	21.5	.39	46.2	.004	1	1.29	.006	.06	1.7	.04	9	.3	.07	4.2
SDWS-004320	.51	28.11	21.79	67.1	43	29.5	13.6	451	3.10	25.0	.7	2.2	9.1	99.0	.06	.97	.35	13	1.84	.040	24.3	19.8	.43	65.5	.002	1	1.44	.010	.17	1.2	.04	21	.3	.06	3.9
SDWS-004422	.77	18.83	23.31	56.9	38	23.7	10.2	269	3.44	10.4	.5	.4	7.9	28.8	.09	.72	.39	13	.35	.034	26.6	15.6	.30	38.9	.003	1	1.13	.006	.06	1.4	.04	14	.3	.02	3.7
SDWS-004452	.35	22.69	18.21	92.1	20	32.7	17.1	676	3.78	1.7	.8	.3	7.8	5.3	.05	.40	.42	21	.04	.030	38.7	25.5	.70	42.8	.007	1	1.50	.008	.13	.3	.04	9	.3	.02	5.2
SDWS-004430	.63	44.95	28.31	111.4	73	38.2	22.2	664	3.61	29.1	2.5	3.8	9.9	77.6	.34	1.13	.50	17	1.18	.058	17.2	25.7	.72	80.3	.003	2	1.92	.008	.22	<.2	.07	34	.7	.07	5.2
SDWS-004318	.93	15.42	20.09	42.1	43	19.2	9.4	291	2.73	21.6	1.2	2.2	6.1	13.0	.02	.48	.32	14	.09	.027	26.0	14.5	.30	62.7	.005	1	1.10	.007	.06	3.0	.04	16	.2	.04	3.7
SDWS-004431	.63	37.50	29.92	87.9	89	36.4	20.0	365	3.55	24.7	.8	5.3	9.6	52.2	.13	.91	.52	17	.91	.058	24.7	26.4	.72	54.2	.008	2	1.70	.008	.13	.6	.05	19	.6	.04	5.1
STANDARD DS2	14.45	130.05	32.42	165.9	252	36.7	13.0	832	3.17	61.5	21.1	200.8	3.4	30.1	11.49	9.39	11.12	82	.55	.087	18.2	173.8	.61	145.2	.115	2	1.79	.033	.17	7.2	1.88	260	2.7	1.91	6.2

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Cs ppm	Ge ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Li ppm
SDWS-004332	.50	.1	.60	7.6	1.0	1.2	<.01	4.0	2.45	67.9	.02	<1	49.2
SDWS-004312	.39	<.1	.54	5.7	1.0	.8	<.01	1.0	2.19	48.3	.03	1	33.1
SDWS-004423	.53	<.1	.61	8.4	1.1	.4	<.01	.8	2.22	55.1	.02	<1	29.6
SDWS-004436	.62	<.1	.66	7.8	2.2	.4	.03	8.0	6.99	41.8	.03	<1	57.3
SDWS-004427	.97	<.1	.67	8.6	1.1	.3	<.01	4.3	3.35	53.3	.02	<1	54.8
SDWS-004315	.87	<.1	.53	10.6	1.9	.3	.03	4.6	4.82	42.4	.03	<1	45.2
SDWS-004421	1.08	.1	.63	9.4	2.6	.3	.05	3.9	8.27	36.6	.03	3	47.5
SDWS-004446	2.04	.1	.09	6.6	1.7	.3	<.01	8.3	8.71	69.8	<.02	1	67.0
SDWS-004417	.50	.1	.46	6.8	1.2	.1	<.01	3.6	1.90	57.7	.02	<1	38.3
SDWS-004329	.46	.1	.31	7.4	1.3	.3	.01	3.7	2.48	63.7	.02	<1	43.3
SDWS-004308	.50	<.1	.35	4.4	.7	<.1	.01	.8	1.08	23.7	<.02	1	25.3
RE SDWS-004308	.52	<.1	.30	4.6	.7	.3	.01	.9	1.11	24.4	<.02	1	25.9
SDWS-004324	.49	<.1	.84	8.3	1.9	.4	.02	1.6	5.03	37.7	.03	1	42.3
SDWS-004438	.41	.1	.86	6.0	1.9	.3	.03	8.6	6.26	36.5	.02	<1	54.0
SDWS-004451	1.59	.1	.36	8.0	2.8	.3	.03	8.6	14.75	58.4	.04	1	38.9
SDWS-004334	.44	.1	.57	7.8	1.4	.3	<.01	3.2	3.74	56.1	.03	1	37.3
SDWS-004316	.40	.1	.71	6.9	1.0	.4	<.01	2.7	1.85	58.5	.02	<1	38.5
SDWS-004331	.57	<.1	.86	7.0	1.2	.4	<.01	3.6	2.04	60.8	.02	<1	35.3
SDWS-004425	.48	.1	.67	6.7	1.3	.4	<.01	2.9	2.57	54.3	.03	1	34.7
SDWS-004453	1.01	.1	.41	6.8	1.3	.3	<.01	5.2	4.20	73.8	.02	1	36.4
SDWS-004311	.38	.1	.59	4.6	.7	.5	.01	1.0	1.65	50.3	.02	<1	11.1
SDWS-004448	.91	.1	.16	5.4	1.2	.4	<.01	1.9	6.21	78.2	<.02	3	44.6
SDWS-004335	.37	.1	.34	6.5	1.1	.4	<.01	2.8	2.14	54.7	.03	1	39.1
SDWS-004323	.38	.1	.30	6.5	2.0	.4	.01	4.4	5.34	54.7	.03	<1	46.1
SDWS-004455	1.11	.1	.29	7.1	1.0	.5	.01	2.2	4.53	85.0	<.02	3	36.7
SDWS-004416	.82	<.1	.58	9.0	2.2	.4	.08	3.7	8.90	27.9	.04	1	38.8
SDWS-004333 PULP	1.14	.2	1.00	5.6	9.6	1.6	.02	47.3	17.30	32.2	.06	2	11.6
SDWS-004418	.45	.1	.42	5.9	1.0	.4	<.01	2.5	1.82	55.1	<.02	<1	36.5
SDWS-004320	.50	<.1	.32	6.8	2.0	.4	.01	4.6	6.08	43.8	.02	<1	42.7
SDWS-004422	.41	.1	.51	5.9	1.6	.4	.02	2.5	3.18	45.1	.03	<1	36.9
SDWS-004452	1.52	.1	.16	7.1	1.0	.4	<.01	3.4	4.64	68.0	.02	<1	47.7
SDWS-004430	.74	<.1	.65	10.9	2.1	.6	.04	9.4	5.95	27.5	.03	<1	50.7
SDWS-004318	.44	.1	.62	5.6	1.2	.5	.01	1.3	2.86	46.8	.03	1	31.5
SDWS-004431	.55	<.1	.71	6.9	2.0	.4	.04	7.0	7.16	40.7	.03	<1	53.3
STANDARD DS2	2.57	<.1	2.30	14.5	3.2	23.2	.03	4.0	8.58	31.5	6.02	3	14.4

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



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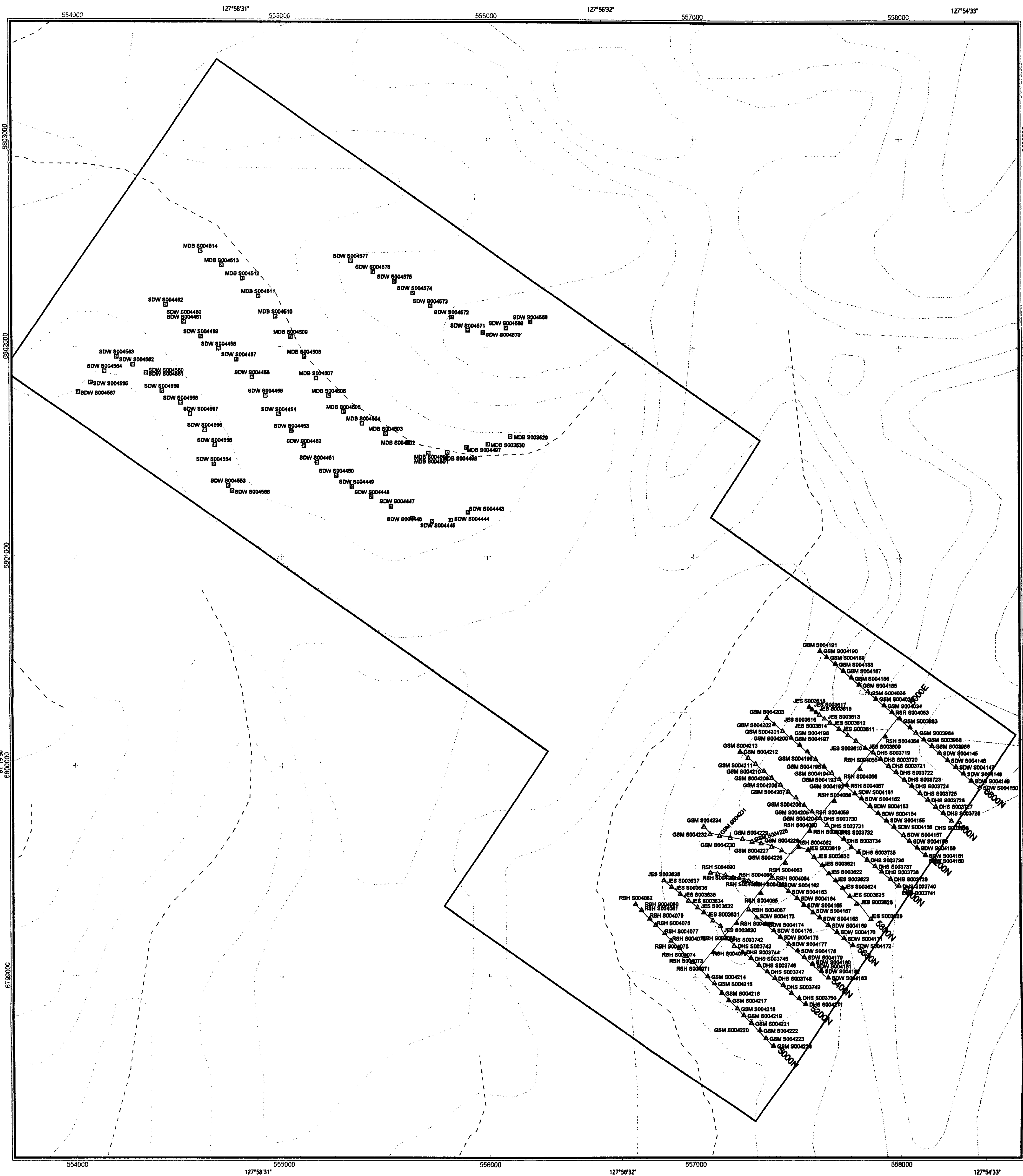
SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm
SDWS-004336	.83	9.64	17.18	45.8	23	18.2	9.0	365	2.73	16.2	.3	1.1	6.2	7.4	.03	.52	.63	16	.03	.023	25.0	16.0	.29	60.5	.005	1	1.14	.005	.06	2.0	.04	11	.2	.08	3.8
SDWS-004457	.34	18.00	25.40	98.3	55	37.8	21.2	666	4.32	2.4	.6	1.0	10.7	5.7	.07	.39	.47	21	.03	.039	37.9	24.8	.87	40.6	.007	<1	1.88	.005	.11	.3	.03	10	.2	.04	5.7
SDWS-004415	.99	7.24	16.44	31.7	24	11.4	4.9	256	2.10	71.6	.3	2.2	4.9	5.5	.05	.40	.42	21	.03	.013	22.0	17.0	.18	40.2	.008	<1	.88	.005	.05	3.3	.05	10	.1	.06	4.2
SDWS-004441	.76	23.99	15.61	59.7	54	25.8	11.1	420	2.73	15.3	.7	1.9	6.5	170.8	.08	.64	.29	14	3.95	.043	12.6	20.3	.61	41.1	.019	<1	1.37	.006	.14	1.3	.02	10	.3	.07	3.7
SDWS-004424	.85	12.80	19.03	51.5	19	17.8	8.5	308	3.26	16.1	.4	4.2	6.1	6.4	.08	.61	.37	21	.03	.029	22.5	14.0	.24	43.0	.011	<1	.96	.005	.06	1.8	.04	8	.2	.06	4.4
SDWS-004444	4.58	62.96	28.37	310.9	574	48.8	31.4	529	2.92	10.3	2.6	1.0	4.4	33.9	3.13	2.14	.28	31	.47	.204	14.9	20.6	.61	120.9	.006	1	1.39	.011	.13	1.2	.14	34	1.9	.14	3.5
SDWS-004459	.48	12.19	13.84	89.2	57	27.3	17.2	588	3.23	3.2	.6	.3	10.0	10.3	.07	.17	.47	16	.09	.050	41.0	24.7	.63	45.3	.004	<1	1.57	.015	.12	.8	.03	8	.2	.03	5.2
SDWS-004462	.73	17.64	20.35	67.6	33	24.1	12.6	522	3.40	4.5	.7	1.0	8.8	5.0	.07	.45	.38	30	.03	.054	40.7	21.9	.42	35.8	.019	<1	1.27	.005	.09	.4	.04	17	.2	.04	5.9
SDWS-004434	.93	20.36	18.55	64.5	39	24.9	13.2	508	2.99	23.5	2.7	2.5	7.7	39.6	.11	.40	.75	20	.48	.037	20.7	24.1	.59	76.8	.017	<1	1.62	.009	.17	2.7	.12	14	.4	.07	4.9
S-004440	.71	24.91	17.29	61.5	62	25.7	11.5	452	2.73	14.2	.7	2.0	6.3	178.8	.08	.56	.34	13	4.33	.036	11.9	22.3	.59	35.1	.007	<1	1.31	.006	.12	1.4	.03	11	.3	.16	3.5
SDWS-004449	.31	8.49	13.24	63.1	79	23.6	14.4	526	3.51	<.1	.8	2.0	7.1	7.8	.08	.30	.41	27	.06	.042	47.6	24.8	.49	32.9	.018	<1	1.08	.012	.11	.3	.03	17	.3	.04	4.5
SDWS-004419	.73	11.29	15.86	70.2	59	17.9	7.3	240	2.91	32.3	.3	2.4	5.7	7.8	.19	.50	.32	15	.05	.031	21.3	19.5	.30	43.8	.008	<1	1.14	.006	.06	1.8	.05	13	.2	.06	4.1
SDWS-004445	1.18	40.86	36.56	116.9	56	42.4	26.9	1313	3.97	3.5	1.2	.7	10.3	15.2	.14	.62	.47	22	.11	.069	38.6	31.0	.86	112.9	.006	<1	1.72	.011	.12	.2	.05	7	<.1	.06	4.7
SDWS-004420	.44	35.09	31.43	80.0	129	30.5	14.2	500	3.56	109.1	2.5	7.0	6.3	54.7	.13	.75	.45	15	.69	.070	17.5	24.1	.45	89.1	.003	<1	1.61	.013	.12	.6	.05	43	.7	.08	4.7
SDWS-004458	.39	19.46	30.68	77.5	47	28.1	17.3	691	3.85	2.8	.6	.2	9.4	5.5	.09	.34	.51	21	.03	.036	41.4	24.4	.70	34.6	.007	<1	1.79	.007	.08	.4	.04	14	.3	.03	6.5
SDWS-004450	.43	18.29	30.09	90.3	40	33.4	20.9	1049	3.58	4.2	.8	1.4	6.9	8.9	.02	.33	.77	21	.03	.048	28.8	26.2	.79	42.5	.008	<1	1.54	.014	.10	.2	.05	21	.2	.29	5.5
SDWS-004327	.81	8.94	21.33	41.5	32	17.6	8.4	395	2.86	13.3	.4	1.2	6.1	8.1	.03	.47	.37	20	.03	.019	25.1	19.1	.31	59.0	.007	1	1.24	.006	.10	2.2	.05	9	.2	.15	4.5
SDWS-004428	.83	27.81	21.49	66.5	69	25.7	14.1	469	3.10	27.9	.8	8.9	7.7	118.3	.08	.73	.45	14	2.21	.049	20.0	25.2	.48	47.8	.009	1	1.35	.009	.19	2.9	.06	13	.3	.09	3.7
RE SDWS-004428	.83	26.25	20.41	66.5	68	25.9	13.6	457	3.05	26.9	.8	2.2	7.4	116.7	.08	.71	.43	14	2.11	.048	20.1	25.1	.47	45.1	.009	2	1.32	.009	.18	2.8	.06	14	.3	.07	3.6
SDWS-004461	.67	22.24	30.50	85.4	91	25.8	17.4	921	4.28	8.0	.7	.9	12.6	4.1	.09	.44	.51	26	.03	.039	43.4	27.8	.61	31.0	.006	1	1.76	.005	.11	.8	.04	15	.3	.06	6.8
SDWS-004437	.55	32.87	24.06	71.3	83	29.3	16.0	402	2.94	19.3	.8	5.4	7.2	133.8	.12	.81	.40	13	5.12	.052	11.8	23.3	.57	47.0	.007	1	1.36	.006	.11	.8	.04	20	.7	.07	3.9
SDWS-004454	.42	16.61	19.04	67.7	30	24.4	11.5	500	3.51	6.4	.7	.6	6.7	8.7	.04	.45	.48	21	.07	.047	38.0	24.6	.62	25.4	.008	1	1.46	.008	.10	.4	.03	16	.3	.04	6.5
SDWS-004447	.49	23.13	27.86	106.0	29	36.6	22.5	997	3.71	2.4	.9	.7	7.6	10.1	.07	.33	.49	19	.06	.043	28.5	28.9	.88	52.3	.006	1	1.66	.010	.10	.6	.03	14	.2	.04	5.3
SDWS-004460	.54	21.65	23.39	82.2	86	26.6	12.9	685	4.05	7.5	.7	.6	12.7	4.0	.07	.40	.41	24	.02	.037	42.2	26.7	.62	26.8	.005	1	1.71	.004	.11	.5	.03	15	.3	.03	6.3
SDWS-004456	.48	12.40	22.36	75.0	54	23.1	16.3	1354	3.78	1.4	.5	.8	6.2	6.2	.05	.28	.47	30	.03	.080	40.7	24.1	.57	38.5	.015	1	1.34	.007	.08	.4	.03	10	.2	.03	6.7
STANDARD DS2	13.73	128.34	32.45	164.0	277	36.4	12.7	818	3.14	60.5	20.6	199.0	3.4	29.9	11.32	10.29	11.14	81	.55	.085	17.7	171.2	.60	143.6	.115	2	1.77	.033	.16	7.2	1.87	243	2.6	1.89	5.9

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Cs ppm	Ge ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Li ppm
SDWS-004336	.44	<.1	.49	8.4	.8	1.2	<.01	2.6	1.61	43.3	.03	<1	34.3
SDWS-004457	1.43	.1	.20	5.1	1.2	.4	<.01	9.0	4.25	67.1	.02	1	47.5
SDWS-004415	.36	<.1	.73	4.0	.7	.3	<.01	2.1	1.36	39.2	<.02	2	15.8
SDWS-004441	.31	<.1	.70	4.8	1.7	<.1	.02	6.2	4.62	20.7	.02	2	40.1
SDWS-004424	.56	<.1	1.11	8.7	1.0	.2	.01	2.8	1.71	40.3	.03	2	25.5
SDWS-004444	1.73	.1	.16	7.4	1.3	<.1	.04	5.4	10.52	28.2	.03	4	26.2
SDWS-004459	2.60	.1	.12	5.1	1.2	<.1	<.01	5.7	4.39	73.6	<.02	2	43.5
SDWS-004462	1.09	.1	.91	6.9	1.1	.2	.01	3.8	3.78	75.7	<.02	<1	26.2
SDWS-004434	1.90	<.1	1.94	18.8	2.0	.5	.01	3.8	5.49	35.0	.02	2	47.3
SDWS-004440	.32	<.1	.36	4.8	1.6	<.1	.03	5.8	4.61	20.2	<.02	1	38.8
SDWS-004449	1.62	.1	.26	6.9	.9	.5	.01	1.5	4.49	89.8	<.02	1	27.0
SDWS-004419	.76	<.1	.84	10.8	1.0	.1	.01	2.8	1.45	37.6	.02	1	31.5
SDWS-004445	2.75	.1	.12	5.5	1.5	.1	<.01	5.3	6.69	74.1	.02	2	53.5
SDWS-004420	1.07	<.1	.96	9.1	2.7	.2	.04	4.1	8.65	31.3	.03	<1	45.0
SDWS-004458	1.45	.1	.33	6.4	1.3	.1	<.01	7.8	4.17	80.7	<.02	2	44.8
SDWS-004450	2.02	<.1	.31	6.0	1.2	.1	.01	6.7	4.58	58.0	<.02	1	49.7
SDWS-004327	.44	.1	.83	5.9	1.2	.4	<.01	2.8	1.60	46.8	.02	<1	35.8
SDWS-004428	.85	.1	.48	7.4	2.0	.4	.02	3.8	5.48	38.2	.03	1	41.1
RE SDWS-004428	.83	.1	.47	7.0	1.9	.3	.02	3.6	5.24	37.3	.02	<1	41.2
SDWS-004461	1.10	.1	.30	7.1	1.3	.4	<.01	15.4	4.62	78.7	.02	2	39.5
SDWS-004437	.48	<.1	.68	5.2	1.8	.3	.05	6.7	5.69	19.9	.02	2	41.0
SDWS-004454	1.64	.1	.28	6.1	1.1	.4	.02	4.4	4.32	73.3	<.02	<1	36.3
SDWS-004447	1.35	.1	.13	4.8	1.2	.4	.01	6.4	4.93	55.8	<.02	<1	53.1
SDWS-004460	.99	.1	.23	6.2	1.2	.5	.01	14.9	4.41	76.0	.02	1	37.4
SDWS-004456	1.27	.1	.51	6.3	1.1	.6	<.01	1.6	3.72	80.2	<.02	1	31.1
STANDARD DS2	2.63	.1	2.28	14.1	3.3	27.5	.02	3.9	7.97	30.2	5.86	2	13.1

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

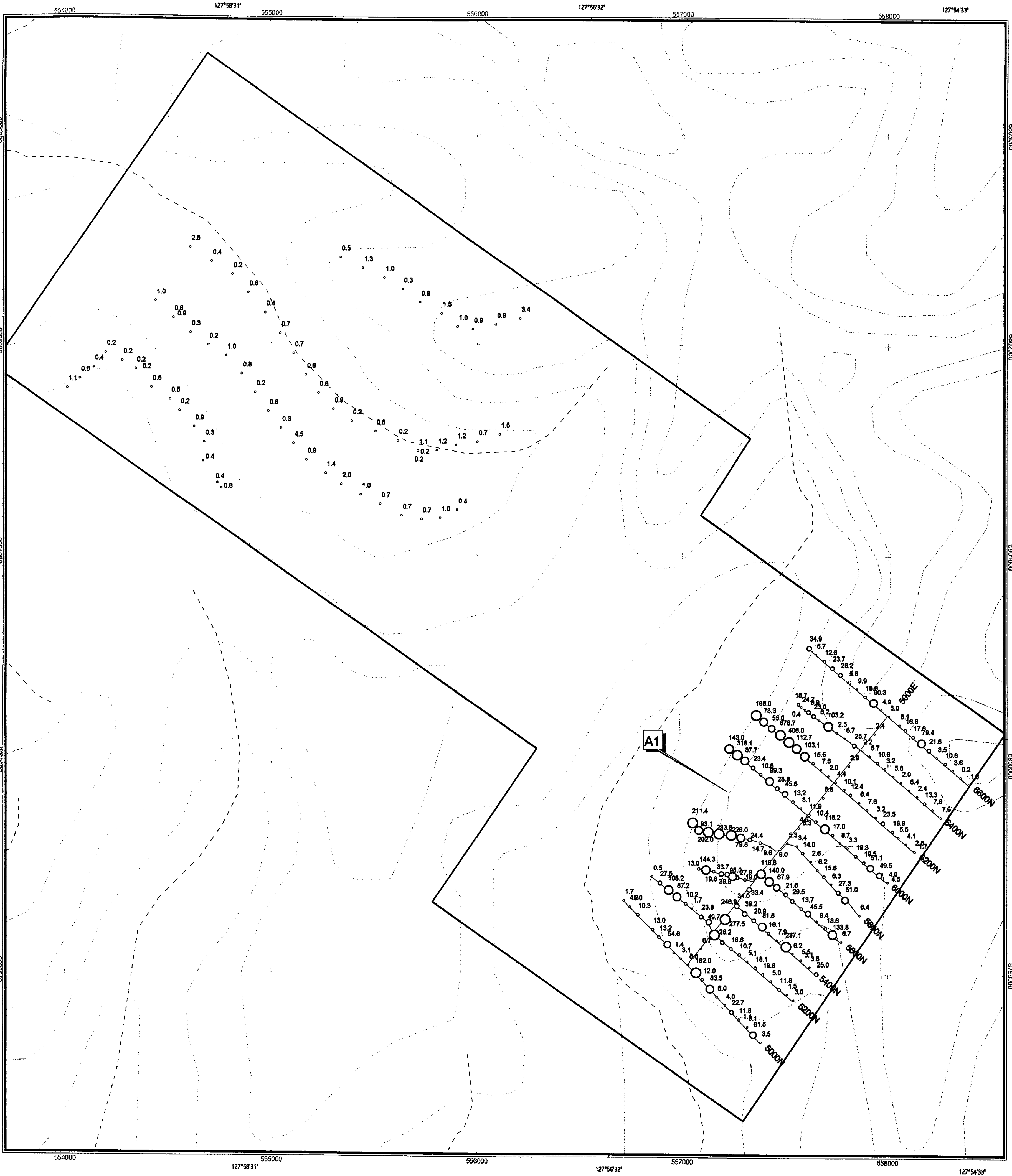


Legend	
Sample Locations	Claim Outline
Phase II - Sept 21-22, 1999	Grid line
Phase I - Sept 4-6, 1999	Streams



Hudson Bay Exploration & Dev. Co. Ltd. Vancouver Office		
Elf Claims Sample Locations UTM Zone 9 NAD 83		
FIGURE -	SCALE	DATE: January 21, 2000
AUTHOR: MDB	1:10000	FILE: elf_essence_89.apr

094115



500 0 500 1000 Meters



Gold in Soil Samples	
○ 0.2 - 10ppb	○ 51 - 75ppb
○ 11 - 20ppb	○ 76 - 150ppb
○ 21 - 30ppb	○ 151 - 200ppb
○ 31 - 40ppb	○ 101 - 150ppb
○ 41 - 50ppb	○ greater than 200ppb

094115



Hudson Bay Exploration & Dev. Co. Ltd. Vancouver Office		
Elf Claims Soil Geochemistry UTM Zone 9 NAD 83		
FIGURE -	SCALE 1:10000	DATE: January 21, 2000
AUTHOR: MDB		FILE: elf_990000_99.apr