Hudson Bay Exploration & Development Co. Ltd.
800 – 700 West Pender Street
Vancouver, British Columbia
V6C 1G8

Assessment Report
Geochemical Survey
Horn Property

Located within the **Horn Claims Group,**
NTS 105H/15
Latitude: 61.72°
Longitude: 128.34°

Mining District: Watson Lake

Written by: M. Buchanan

Work Performed from August 29th to September 2nd 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 $ 11,027.50.

M. Burk

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

Summary

The Horn property is located west of the Hyland river, approximately 47 km northwest of confluence of the Little Hyland & Hyland rivers. Physiography on the property consists moderate to rugged terrain with elevations ranging from 1600m to 2200m. Vegetation on the property is comprised of conifer trees, willows and alders at the lower elevations and minor scrub brush, abundant mosses, lichens and grasses on the hilltops. Outcrop is best observed on the hilltops, the steeper slopes and in creek cuts of the property. During the summer of 1999 a geochemical survey was conducted on the Horn claims. As a result of the survey a total of 217 geochemical soil samples were collected over 47.5 km of flagged grid and traverse lines. Preliminary results of the geochemical survey have outlined 2 areas with elevated gold, arsenic and other elements in the soil.

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Introduction

During the summer of 1998, while following up exploration targets in the regional geochemical silt samples (GSC Open File 1649), a geochemical silt survey was conducted in the area now covered by the Horn claims. This preliminary survey confirmed the area as having anomalous gold & arsenic values. During the months of August to September 1999, 4 personnel from Hudson Bay Exploration & Development investigated the established and completed a detailed geochemical grid over the areas showing the highest geochemical values. This report details the results collected from the geochemical grid.

Location & Access

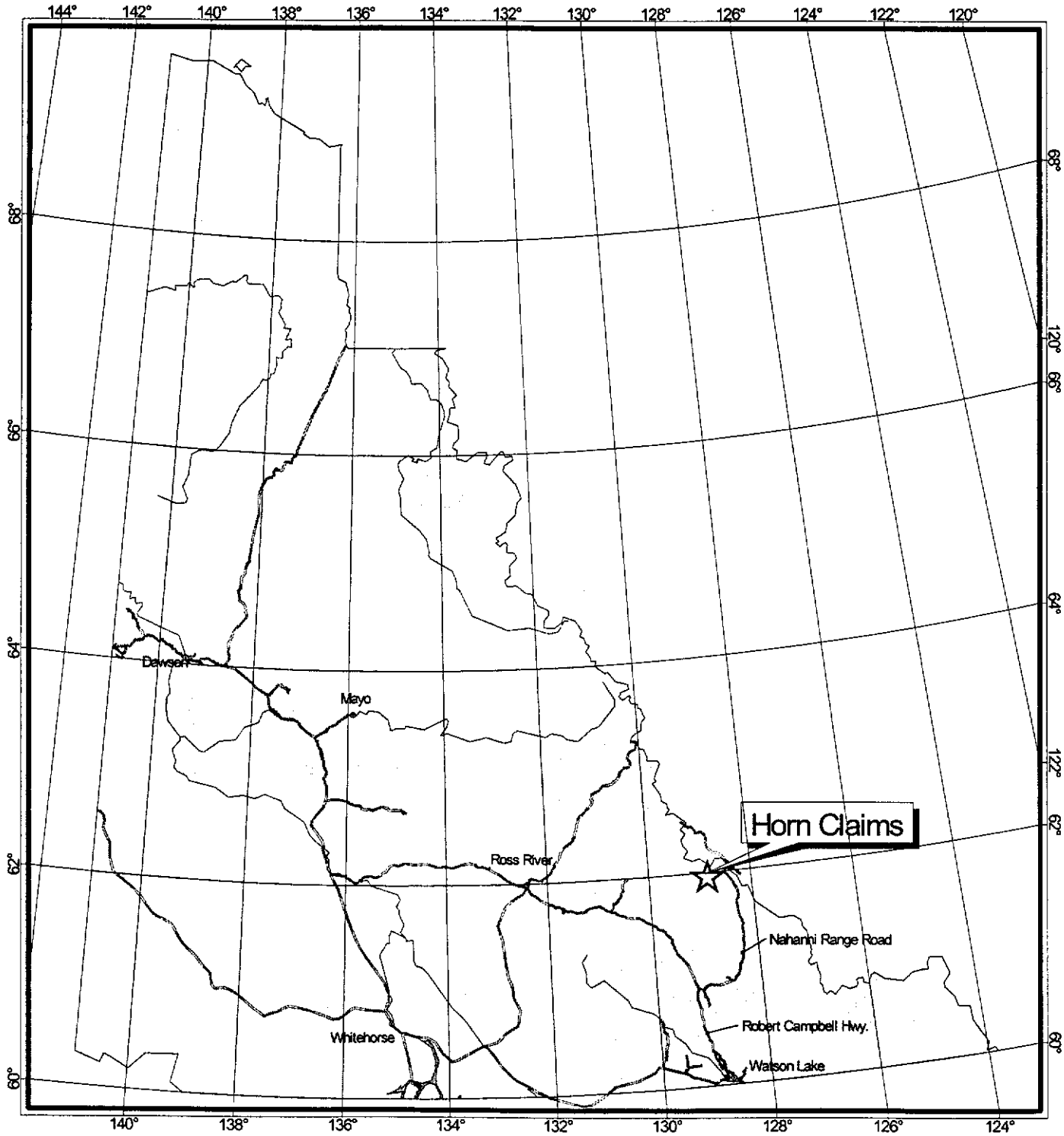
The Horn claims are located west of the Hyland river, approximately 47 km northwest of confluence of the Little Hyland & Hyland rivers. Road access to within approximately 50km of the claims is possible via the Robert Campbell Hwy and the Nahanni Range road. (Figure 1) Watson Lake is the closest major centre with air service and other facilities and is 200 km south of the property. (Figure 2) Elevations on the property range from 1600m to 2200m.

Physiography

The Horn claims are situated in an area of moderate to rugged topographic relief with elevations ranging from 1600m to 2200m. 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

The Horn claims were staked in 1998 by Hudson Bay Exploration & Development Co. Ltd. Following a regional stream sediment sampling program. Investigations of Minfile and Assessment reports suggest that no recorded work has been completed on the Horn claims.
The area has been the focus of at least one major gold exploration program by Westmin in 1996 who staked the Fer claims. Lesser follow-up programs have been completed by Noranda who staked the Sprogge 25km to the south and the Phelps Dodge who staked the Hy property immediately north of the Fer claims. Work in the region has consisted of geochemical sampling of soils and silts.

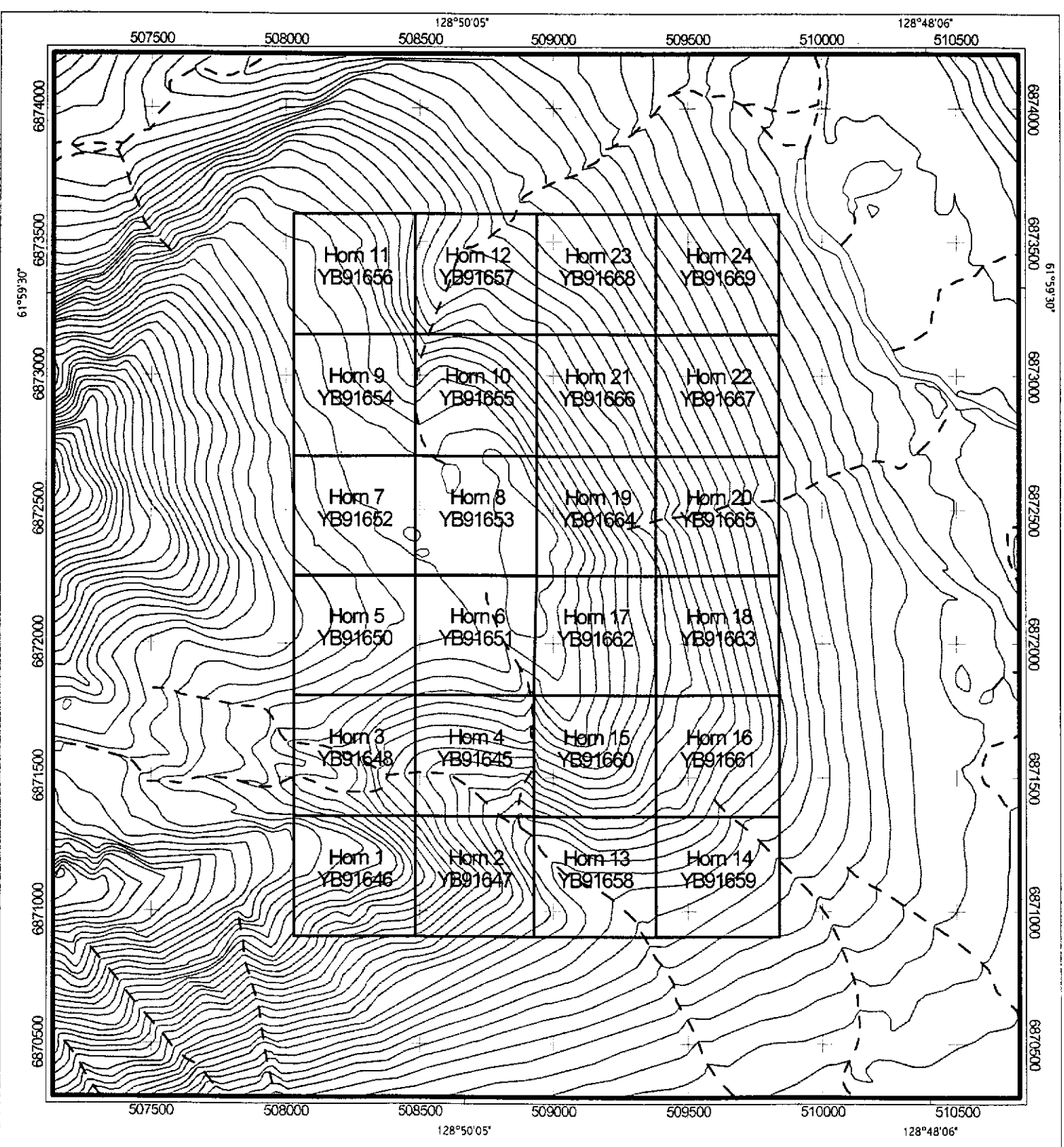


N

HUDSON BAY
An Anglo American plc Company

50 0 50 100 150 200 Kilometers

Hudson Bay Exploration & Dev. Co. Ltd. Vancouver Office		
Location Map Horn 1-24 Claims		
FIGURE - 1	SCALE 1:6000000	DATE: January 17, 1999
AUTHOR: MDB		FILE: hornlocationmap.apr



N

Legend

Road

Streams

Contours

HUDSON BAY
An Anglo American plc Company

50 0 50 100 150 200 Kilometers

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

Horn 1-24 Claims
UTM Zone 9
NAD 83

FIGURE - 2	SCALE 1:20000	DATE: January 17, 1999
AUTHOR: MDB		FILE: horclaimmap.apr

Property Status & Ownership

The Horn property is composed of 24 two-post claims staked in a north/south direction (Figure 3). 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.

Table I Claim Status

Claim	Grant	Date	NTS	Hectares	Expiry
HORN 1	YB91646	04-Sep-98	105H/15	21	15-Feb-02*
HORN 2	YB91647	04-Sep-98	105H/15	21	15-Feb-02*
HORN 3	YB91648	04-Sep-98	105H/15	21	15-Feb-02*
HORN 4	YB91649	04-Sep-98	105H/15	21	15-Feb-02*
HORN 5	YB91650	04-Sep-98	105H/15	21	15-Feb-02*
HORN 6	YB91651	04-Sep-98	105H/15	21	15-Feb-02*
HORN 7	YB91652	04-Sep-98	105H/15	21	15-Feb-02*
HORN 8	YB91653	04-Sep-98	105H/15	21	15-Feb-02*
HORN 9	YB91654	04-Sep-98	105H/15	21	15-Feb-02*
HORN 10	YB91655	04-Sep-98	105H/15	21	15-Feb-02*
HORN 11	YB91656	04-Sep-98	105H/15	21	15-Feb-02*
HORN 12	YB91657	04-Sep-98	105H/15	21	15-Feb-02*
HORN 13	YB91658	04-Sep-98	105H/15	21	15-Feb-02*
HORN 14	YB91659	04-Sep-98	105H/15	21	15-Feb-02*
HORN 15	YB91660	04-Sep-98	105H/15	21	15-Feb-02*
HORN 16	YB91661	04-Sep-98	105H/15	21	15-Feb-02*
HORN 17	YB91662	04-Sep-98	105H/15	21	15-Feb-02*
HORN 18	YB91663	04-Sep-98	105H/15	21	15-Feb-02*
HORN 19	YB91664	04-Sep-98	105H/15	21	15-Feb-02*
HORN 20	YB91665	04-Sep-98	105H/15	21	15-Feb-02*
HORN 21	YB91666	04-Sep-98	105H/15	21	15-Feb-02*
HORN 22	YB91667	04-Sep-98	105H/15	21	15-Feb-02*
HORN 23	YB91668	04-Sep-98	105H/15	21	15-Feb-02*
HORN 24	YB91669	04-Sep-98	105H/15	21	15-Feb-02*

*** Pending acceptance of this assessment report.**

Work Performed

Work performed on the Horn claims was completed from August 29th to September 2nd by J. Sparling, D. Simms, G. Mulligan & S. de Wit (See Appendix 3) of Hudson Bay Exploration & Development Co. Ltd.. The work program entailed the of establishment geochemical grid consisting of 1400m of flagged/chained baseline with 10,400m of flagged section line positioned at 200m spacing. (back pocket) A total of 217 soil samples were collected at 50 to 100m station spacing and sent to Acme Labs in Vancouver, BC for 48 element ICP+MS.

Regional & Preliminary Property Geology

Regionally the Horn property is underlain by Lower Cambrian aged limestone, shale, quartzite, quartz grits, and pebble chert conglomerates of the Hyland Group. The sediment package generally strikes west to northwest with dips between 50 - 70 degrees to the north/northeast. No detailed geological or structural work has been completed on the Horn claims

Geochemical Survey

A total of 217samples were collected from on the Horn property during the 1999 summer field season. The soil samples were collected from a homogenized 'A' horizon typically ranging in depth from 10 to 20 cm using geo-tools. Samples were placed into labeled kraft wet strength paper bags and sent to Acme Labs in Vancouver, British Columbia for 48 element ICP+MS. Complete analytical results can be found in the Appendix 4 in the back of this report.

Results

Preliminary sampling along grid lines has outlined at least two soil anomalies as described below:

A1 - located west of the 5000E baseline along lines 5400N & 5600N. The soil anomaly appears to be 200m x 200m and consists of four soil samples with values ranging between 141-330ppb gold & up to 300ppm arsenic along 5600N and two samples with values of 59 and 397ppb gold plus anomalous arsenic along 5400N.

A2 – located in the southwest corner of the geochemical grid along lines 5000N to 5600N. The soil anomaly extends at least 600m x 200m but is open to the west and south. Values in this anomaly range from 20ppb to >600ppb Au plus values of arsenic up to +300ppm.

Conclusion & Recommendations

Results from the Horn property indicate there are at least two areas on the property having anomalous gold and arsenic mineralisation in the soils. Geochemistry has been very effective at delineating the size and location of the anomalous zones. Further investigation is required to determine the source of the gold and arsenic. Initial follow-up on the Horn property should include the following:

1. More detailed geological and structural mapping around areas of known mineralization.
2. Additional geochemical sampling to enlarge or close off the anomalies.
3. Magnetic/VLF survey to determine if the geochemical anomalies might have correlative structures or lithologies.

References

Geological Survey of Canada, 1966. Geology of the Frances Lake Sheet (NTS 105H), Yukon Territory & District of Mackenzie, Map 6-1966, 1" to 4 miles.

Hornbrook, E.H.W. and Friske, P.W.B., 1989. Regional Stream and Water Geochemical Data, Southeast Yukon, Map 105H: Open File 1649, Geological Survey of Canada.

Appendix 1

Horn 1-24 Expenditures (Aug 29th to Sept 2nd)

Geochemical Survey

Sampling (Includes supplies and shipping costs)
Soil samples @ $25/sample x 212 = $5300

Manpower
2 – Geologists @ $200/day x 3days = $1200
2 – Junior Geologist @ $175/day x 3days = $1050
Total $2250

Accommodations & Food (includes pilot)
5 Persons @ $50/day x 3days = $750

Air Support
1 Helicopter @ $675/hr x 3.3hrs = $2227.50
Total $10527.50

Compilation

1 Geologist @ $250/day x 2 days= $500

Grand Total **$11,027.50**
Approx. **$52/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.

M D Buchanan

Michael Buchanan
Project Geologist
Hudson Bay Exploration and
Development Company Limited

Appendix 3

Personnel

Name:	Position
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 234th 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

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.)
852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2316 File # 9903383 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
JESS-003604	1.22	71.61	36.18	86.9	434	45.9	30.0	585	2.40	313.9	9.8	13.9	2.1	17.3	.10	.77	.39	16	.34	.158	91.5	19.4	.23	35.4	.010	1	1.71	.018	.04	.5	.04	30	1.1	.07	3.8
JESS-003602	1.13	64.32	34.86	110.9	89	41.7	47.7	750	3.96	75.6	2.9	14.1	4.8	10.4	.10	.84	.73	25	.13	.081	41.1	30.7	.75	46.4	.010	1	1.99	.006	.03	.4	.05	13	.4	.11	6.9
JESS-003597	.81	150.87	57.42	150.4	181	92.1	52.4	690	4.13	217.1	8.9	18.6	20.1	15.9	.20	.81	.69	20	.40	.064	213.2	35.0	.79	60.2	.005	<1	2.32	.009	.06	.4	.05	16	.3	.09	6.0
JESS-003595	.97	28.03	21.82	46.5	180	12.4	5.6	403	3.97	150.9	1.3	33.2	1.5	6.8	.09	.82	.64	31	.03	.154	18.1	22.7	.28	41.3	.009	<1	1.53	.006	.03	1.4	.05	43	.8	.10	9.1
JESS-003600	.29	13.58	5.68	11.5	180	3.7	1.5	43	.63	11.0	.7	12.6	.4	4.1	.14	.12	.15	8	.01	.055	17.0	5.4	.06	29.0	.006	<1	.48	.017	.02	.2	.02	17	.3	.04	2.5
JESS-003606	.69	22.80	18.37	72.5	26	22.0	7.7	401	3.73	228.7	1.2	102.5	9.4	4.5	.11	.47	.32	15	.03	.040	25.5	27.2	.77	19.5	.007	<1	1.84	.004	.02	.8	.02	10	.3	.04	5.4
JESS-003599	1.02	32.17	8.06	57.0	50	13.0	14.4	512	4.16	2.8	.6	<.2	2.6	49.0	.06	.14	.16	167	.51	.041	12.1	43.7	.58	92.3	.494	<1	4.41	.164	.07	<.2	.17	34	.9	.10	11.1
JESS-003605	.59	4.84	4.09	8.7	32	2.4	1.0	20	.49	16.0	.3	3.0	.3	3.0	.02	.23	.15	13	.01	.024	19.4	2.3	.02	14.5	.007	<1	.33	.010	.02	.8	.03	14	.2	.02	3.6
JESS-003601	.37	12.04	6.32	19.7	133	5.2	2.3	89	1.01	22.3	.7	16.9	.8	3.4	.10	.18	.18	10	.01	.051	22.0	7.9	.15	26.7	.005	<1	.59	.009	.02	.3	.03	12	.3	.04	3.1
JESS-003594	.51	20.12	11.16	25.1	49	6.8	3.4	200	2.02	25.0	1.0	3.5	.4	3.7	.04	.45	.31	17	.02	.063	6.8	12.1	.17	21.0	.009	<1	.90	.018	.02	<.2	.02	14	.5	.04	4.7
JESS-003607	1.72	34.68	28.75	74.0	31	19.4	11.2	374	3.27	262.6	2.2	25.9	1.6	8.8	.10	.86	1.11	26	.07	.058	22.1	26.3	.49	56.1	.012	1	1.74	.009	.04	.4	.09	14	.6	.29	6.9
RE JESS-003607	1.87	36.25	30.19	72.5	30	19.1	11.4	406	3.38	272.2	2.2	10.5	1.5	9.1	.08	.89	.75	25	.07	.063	24.3	22.3	.50	59.5	.019	<1	1.83	.010	.04	.8	.09	24	.6	.16	7.3
JESS-003598	1.10	28.06	46.16	30.4	115	12.6	51.1	1149	1.62	530.1	3.9	18.6	.7	18.9	.14	.52	.33	13	.44	.135	27.4	9.1	.15	56.2	.010	<1	1.30	.024	.03	1.9	.07	32	.6	.07	4.7
JESS-003603	.48	19.86	16.70	24.4	176	6.9	2.2	134	1.62	17.3	1.1	15.2	3.4	6.5	.05	.16	.40	11	.02	.078	18.4	16.4	.26	27.9	.005	<1	1.27	.006	.03	.2	.03	36	.4	.04	4.6
JESS-003596	.96	25.03	16.37	49.7	122	13.0	5.2	275	3.50	59.6	1.0	70.0	.7	4.4	.10	.62	.47	29	.02	.059	16.6	19.2	.37	30.4	.010	<1	1.49	.006	.02	.4	.04	23	.6	.08	6.3
DHSS-003695	1.44	73.93	37.68	62.4	144	27.1	38.6	1066	2.11	204.6	3.6	4.5	5.0	36.5	.54	.44	.46	18	.98	.060	159.4	14.9	.24	73.8	.010	<1	1.24	.014	.03	.4	.04	29	.4	.07	4.1
DHSS-003708	.30	26.52	11.36	39.3	78	15.2	4.6	209	1.88	46.4	.9	4.6	1.7	3.5	.03	.19	.20	12	.02	.040	14.3	18.0	.39	36.3	.008	<1	1.17	.019	.05	.3	.03	16	.3	.02	3.8
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DHSS-003693	.21	7.48	5.87	15.5	274	4.6	1.8	67	.77	20.7	.5	13.0	.2	3.3	.06	.11	.10	9	.02	.044	8.2	2.8	.12	19.4	.006	<1	.45	.017	.03	.2	.02	29	.2	<.02	1.9
DHSS-003706	.54	10.20	7.00	23.6	40	5.5	2.4	101	1.67	12.6	.5	3.1	.4	4.9	.08	.39	.24	23	.03	.043	8.4	10.2	.12	29.5	.014	<1	.60	.014	.03	.2	.03	41	.4	.03	4.9
DHSS-003689	.29	13.82	23.64	8.5	142	2.8	1.4	28	.62	6.4	1.0	.5	.2	5.9	.04	.11	.07	7	.04	.052	10.7	<.5	.05	19.0	.011	<1	1.05	.039	.03	<.2	.02	26	.6	<.02	2.1
DHSS-003699	1.12	33.12	8.09	55.6	31	13.3	14.8	531	4.17	3.3	.6	.8	2.5	49.6	.06	.15	.14	167	.54	.040	11.7	41.9	.56	87.1	.474	1	4.21	.162	.07	.2	.14	38	.9	.03	11.0
DHSS-003696	.52	21.51	14.24	70.3	110	23.2	7.1	405	3.34	88.5	.9	13.6	7.5	3.1	.05	.38	.30	16	.02	.048	23.3	25.3	.78	26.0	.006	1	1.75	.006	.04	.5	.03	19	.3	.04	5.6
DHSS-003692	.78	39.32	26.94	80.7	109	27.3	9.4	376	3.65	429.7	1.7	77.7	9.0	4.6	.07	.74	.42	16	.02	.056	23.1	21.8	.62	26.9	.007	<1	1.55	.004	.04	.4	.03	18	.5	.12	5.1
DHSS-003704	.96	49.61	24.86	79.6	52	26.6	16.1	661	3.18	32.8	1.9	9.1	4.6	10.4	.08	.89	.51	23	.05	.084	14.5	23.4	.67	37.2	.018	1	1.86	.016	.05	.4	.06	27	.6	.09	5.8
DHSS-003713	1.22	24.33	23.33	78.5	23	26.7	12.7	369	3.41	107.9	1.0	60.9	4.6	6.3	.11	.82	.40	31	.04	.042	22.7	26.7	.65	40.9	.024	1	1.73	.007	.04	.4	.08	18	.5	.07	5.5
DHSS-003710	.88	38.90	18.16	82.8	16	26.7	10.9	637	3.66	20.5	1.6	47.5	3.7	7.7	.07	.68	.43	30	.06	.054	22.4	29.3	.79	41.6	.028	1	1.96	.008	.04	.4	.06	13	.6	.06	6.1
DHSS-003717	.59	19.57	13.03	46.6	37	15.3	6.3	215	2.29	88.4	.9	62.5	1.5	5.5	.04	.36	.26	18	.03	.035	14.7	17.3	.47	33.0	.015	1	1.50	.020	.03	.8	.04	18	.4	.02	4.7
DHSS-003691	.52	29.62	17.92	90.7	32	30.8	12.1	568	4.17	132.0	1.2	30.4	12.7	4.2	.05	.47	.34	19	.05	.040	29.2	32.0	1.01	38.5	.007	<1	2.37	.006	.05	.5	.03	9	.3	.06	6.3
DHSS-003702	.90	29.36	21.57	75.2	59	24.1	10.4	360	3.33	126.7	1.3	55.6	4.3	7.0	.12	.53	.41	21	.05	.056	16.2	20.0	.53	38.8	.017	<1	1.56	.009	.03	1.6	.04	30	.5	.08	5.3
DHSS-003715	1.33	16.67	16.01	44.7	38	11.7	4.1	162	2.68	57.9	1.1	20.8	.4	7.1	.06	.73	.49	31	.02	.078	14.9	20.3	.29	35.9	.011	1	1.19	.010	.04	.6	.07	37	.7	.06	6.9
DHSS-003701	.45	18.08	15.63	31.8	65	11.9	4.4	115	1.46	47.6	.8	.6	.7	7.4	.04	.21	.23	15	.08	.047	13.6	11.6	.22	49.4	.015	1	1.11	.022	.03	.4	.04	16	.3	.03	4.1
DHSS-003697	.45	24.33	17.29	36.1	73	16.7	10.7	728	2.18	29.4	.7	3.2	.7	6.4	.06	.66	.43	17	.02	.063	14.5	11.2	.29	23.1	.008	<1	.95	.017	.02	<.2	.02	19	.4	.11	4.1
DHSS-003718	.61	22.72	15.18	48.9	37	14.2	5.0	274	2.46	56.7	1.2	20.8	2.3	4.8	.06	.56	.39	16	.03	.062	11.3	18.4	.48	32.7	.011	<1	1.39	.015	.03	.6	.04	20	.4	.08	4.7
STANDARD DS2	14.43	131.18	31.90	164.6	248	36.5	12.6	818	3.14	63.1	20.2	202.1	3.5	28.7	11.54	10.64	11.18	81	.54	.081	16.6	162.0	.58	142.1	.113	3	1.73	.039	.17	7.5	1.93	252	2.5	1.95	6.2

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 9 1999 DATE REPORT MAILED: Sept 22/99 SIGNED BY: ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data 4 FA ___

ACME ANALYTICAL

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2316 FILE # 9903383

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
DHSS-003707	.65	17.07	10.31	42.2	25	11.9	4.9	270	2.64	28.5	.6	26.7	.8	4.6	.07	.48	.38	22	.03	.048	10.9	13.7	.35	31.7	.017	1	1.39	.015	.02	.4	.04	24	.5	.05	5.8
DHSS-003711	.29	8.94	4.89	13.0	24	4.0	1.7	75	.75	5.5	.4	.6	.2	5.1	.02	.13	.15	10	.07	.059	3.4	3.2	.11	12.6	.014	<1	.75	.025	.02	.2	.02	16	.5	<.02	2.3
DHSS-003705	.89	77.97	25.84	101.8	79	45.7	31.2	732	3.40	35.6	2.9	6.6	8.0	8.3	.12	1.14	.62	23	.08	.092	16.6	20.6	.65	33.7	.026	<1	1.91	.017	.04	.2	.05	30	.9	.06	5.0
DHSS-003690	.49	13.85	10.97	46.5	127	16.3	5.7	337	2.79	47.1	.6	13.0	1.5	4.2	.04	.42	.39	19	.02	.069	15.5	16.5	.49	24.4	.007	<1	1.32	.007	.03	.3	.03	31	.4	.05	5.3
DHSS-003703	.85	18.76	20.50	45.1	58	11.7	4.6	236	2.59	53.3	1.1	14.8	.6	6.0	.09	.57	1.00	21	.05	.089	10.6	17.8	.31	27.7	.019	<1	1.14	.014	.04	.4	.07	50	.7	.35	5.0
DHSS-003716	.82	21.17	17.88	52.0	38	15.4	6.1	235	2.57	103.1	1.0	22.8	1.1	5.6	.06	.53	.46	22	.03	.051	11.5	21.2	.47	43.5	.018	<1	1.51	.014	.03	.7	.06	24	.7	.06	5.5
DHSS-003712	.98	24.67	22.45	47.2	51	17.9	7.2	251	2.64	224.5	1.4	4.6	.8	9.9	.04	.73	.55	24	.12	.077	14.0	20.3	.39	52.0	.014	<1	1.42	.011	.03	.6	.06	21	.6	.06	5.7
DHSS-003694	.26	17.33	12.53	33.1	87	11.6	4.5	180	1.61	34.3	.8	4.1	.7	4.1	.06	.21	.76	11	.02	.049	12.8	9.4	.33	32.9	.007	<1	.97	.016	.04	.2	.05	20	.3	.25	3.6
DHSS-003709	.66	14.38	13.84	24.6	51	7.7	2.8	130	1.48	9.6	.7	3.8	.3	6.2	.06	.37	.49	20	.03	.092	8.5	14.2	.20	36.5	.007	<1	1.09	.014	.02	.3	.06	34	.5	.05	5.1
RE RSH2-003932	.81	31.44	18.89	74.8	32	21.5	7.7	526	3.85	24.1	1.7	9.0	6.6	4.7	.04	.70	.49	23	.04	.070	19.7	26.9	.71	23.1	.016	<1	1.77	.010	.02	.3	.04	14	.5	.11	6.1
DHSS-003700	.67	28.22	24.66	48.2	66	18.1	6.7	205	2.17	78.8	1.2	1.8	1.1	8.9	.05	.35	.37	19	.08	.057	18.7	15.2	.34	65.4	.014	<1	1.42	.016	.04	.5	.06	17	.5	.07	5.0
DHSS-003714	.90	18.76	16.44	47.6	37	13.3	4.7	251	2.72	57.8	.9	41.5	1.2	5.0	.07	.58	.37	19	.02	.055	15.6	17.4	.43	24.3	.019	<1	1.28	.013	.02	2.0	.04	33	.6	.05	4.8
RSHS-003922	.79	30.01	24.14	65.0	64	11.6	5.4	377	3.96	33.9	1.6	7.0	7.4	7.8	.02	.97	.52	13	.06	.055	25.2	21.6	.58	36.7	.006	<1	1.63	.006	.03	.2	.04	14	.5	.13	4.5
RSHS-003926	.90	56.44	31.60	88.4	65	31.9	18.7	437	3.61	97.1	2.8	141.3	11.7	10.0	.06	.80	.46	14	.04	.056	23.0	24.6	.74	28.2	.016	<1	1.76	.010	.03	.8	.03	20	.7	.13	4.7
RSHS-003938	1.41	14.68	28.62	34.9	135	7.7	2.9	163	1.94	57.4	1.0	13.2	.9	5.6	.06	.79	.54	18	.02	.060	12.0	17.7	.33	34.9	.011	1	1.19	.011	.03	.3	.05	38	.7	.09	4.4
RSHS-003914	.65	23.60	20.17	72.2	58	19.6	7.0	372	4.04	117.5	1.0	41.7	10.3	4.9	.06	.50	.44	19	.02	.030	24.3	29.4	.78	33.3	.009	<1	1.90	.004	.03	1.0	.03	13	.4	.05	6.0
RSHS-003929	.91	59.57	48.44	115.4	114	57.1	45.7	776	3.36	191.4	2.1	339.5	14.3	6.8	.15	.76	.40	19	.07	.074	22.4	23.1	.59	31.3	.017	<1	1.59	.005	.03	1.5	.05	31	.7	.10	4.3
RSHS-003941	.73	61.37	29.99	128.9	28	72.5	31.3	763	4.34	53.9	1.6	18.2	13.4	6.1	.12	.94	.55	21	.06	.058	20.6	33.1	.94	41.7	.012	<1	2.34	.004	.03	.7	.04	24	.7	.15	6.1
RSHS-003916	.91	22.72	15.14	20.9	137	6.3	2.7	61	1.33	120.0	1.4	5.6	.4	8.9	.17	.41	.25	17	.05	.047	29.3	6.7	.05	42.4	.007	<1	.63	.012	.03	.9	.03	23	.5	.04	3.5
RSHS-003924	1.61	110.09	81.00	234.2	140	230.1	96.3	2120	8.69	125.9	4.7	9.6	14.1	13.2	.33	3.33	1.07	10	.13	.087	53.7	21.8	.59	18.8	.019	<1	2.02	.003	.01	.7	.02	36	1.2	.32	3.5
RSHS-003937	1.03	31.70	22.78	90.2	40	26.0	12.1	607	3.84	83.3	1.3	79.1	5.3	5.1	.11	1.18	.50	22	.04	.062	16.7	28.2	.77	31.4	.018	<1	1.86	.006	.04	.5	.04	30	.7	.07	5.4
RSHS-003934	1.22	22.17	15.91	46.4	58	11.7	4.2	225	2.79	45.1	1.1	9.4	.5	5.7	.08	.77	.49	32	.02	.105	12.4	23.1	.30	29.6	.011	<1	1.44	.012	.04	.3	.07	52	.8	.06	7.3
RSHS-003933	1.11	31.72	8.09	61.6	43	15.5	15.1	554	4.41	2.3	.6	3.2	2.6	52.4	.08	.14	.18	175	.54	.042	12.0	43.0	.58	92.9	.495	1	4.36	.164	.07	.2	.14	40	.7	.05	10.8
RSHS-003918	.29	5.94	4.92	11.6	72	2.3	.8	41	.95	38.7	.4	10.4	.4	2.8	.03	.11	.13	10	.01	.031	20.5	5.0	.07	18.3	.007	<1	.51	.007	.02	.5	.03	6	.2	<.02	3.6
RSHS-003936	1.03	39.22	27.39	90.5	42	22.7	10.4	484	3.89	73.2	2.0	56.7	12.3	6.0	.09	1.71	.52	20	.02	.042	25.1	29.6	.89	39.8	.023	<1	1.91	.005	.03	.3	.04	11	.6	.17	5.1
RSHS-003940	.80	76.33	30.21	129.5	35	73.5	31.2	760	4.57	77.6	1.8	11.9	15.1	5.7	.14	1.08	.58	20	.06	.059	19.3	34.4	.97	43.5	.011	<1	2.41	.004	.04	.8	.03	23	.6	.12	6.0
RSHS-003944	1.03	26.73	18.19	62.9	53	20.2	7.2	351	2.74	25.1	1.2	7.1	1.3	7.1	.09	.62	.44	30	.06	.065	14.0	23.1	.55	37.6	.025	1	1.84	.011	.04	.3	.06	36	.8	.06	6.1
RSHS-003917	.60	9.67	7.44	23.7	73	4.6	1.5	81	2.28	78.4	.4	4.8	2.7	2.6	.02	.28	.25	20	.01	.026	19.3	13.4	.15	17.5	.011	<1	.72	.006	.03	1.0	.04	10	.4	.04	5.0
RSHS-003927	1.42	128.36	52.80	138.0	135	63.3	40.4	711	4.72	343.6	4.8	316.8	18.2	11.0	.14	1.18	.66	20	.04	.080	32.9	27.3	.76	42.1	.016	1	2.01	.008	.04	1.7	.05	26	.6	.18	5.3
RSHS-003930	1.25	75.97	48.62	100.4	79	42.0	23.9	598	4.71	149.1	2.6	33.4	16.1	7.3	.12	.80	.51	20	.05	.075	25.0	32.9	.75	29.3	.018	<1	1.95	.005	.02	1.5	.04	41	1.1	.10	5.2
RSHS-003919	.91	21.33	15.55	52.4	44	10.8	4.2	235	4.11	166.9	.7	22.0	8.9	3.8	.04	.55	.45	20	.01	.040	22.1	28.8	.46	21.9	.009	<1	1.38	.005	.04	1.4	.03	12	.4	.05	6.5
RSHS-003932	.80	32.24	19.21	80.6	31	23.3	8.0	561	4.02	25.3	1.7	5.0	7.2	5.0	.05	.70	.46	24	.04	.074	21.2	30.2	.76	24.3	.016	<1	1.86	.011	.03	.3	.04	11	.5	.11	6.5
RSHS-003915	.54	8.96	10.38	36.7	57	6.4	2.4	172	3.51	118.7	.5	12.2	7.4	2.7	.03	.33	.32	20	.01	.032	19.9	19.4	.29	29.3	.010	<1	1.23	.003	.03	1.4	.03	17	.4	.05	5.9
RSHS-003939	.93	20.49	19.58	59.9	28	18.7	7.2	404	3.92	119.3	.8	13.3	2.3	3.6	.06	.70	.41	23	.01	.056	17.1	20.7	.49	21.1	.014	<1	1.43	.004	.02	.8	.04	21	.6	.07	6.1
STANDARD DS2	14.61	132.32	32.06	168.7	260	38.1	13.2	842	3.23	61.4	20.6	206.4	3.6	31.3	11.71	10.44	11.32	83	.56	.082	16.3	170.5	.60	144.0	.115	4	1.78	.040	.17	7.5	1.91	260	2.6	1.81	6.3

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

Data 1 FA ___

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-003942	1.05	55.35	30.54	82.2	39	25.2	12.0	430	4.38	203.4	3.0	23.1	12.8	7.3	.07	1.09	.52	21	.02	.054	28.1	31.2	.75	42.4	.015	1	1.86	.005	.04	.9	.05	18	.8	.06	5.3
RSHS-003913	.58	8.58	12.43	21.1	90	5.4	1.8	102	1.85	43.9	.8	24.4	.9	4.2	.03	.23	.37	14	.01	.058	20.2	16.1	.20	26.8	.007	2	.96	.004	.03	.6	.04	31	.6	.03	4.5
RSHS-003923	.51	5.09	6.05	7.7	69	1.7	.6	19	.76	76.1	.4	8.3	.6	2.6	.01	.25	.19	14	.01	.029	17.4	6.0	.02	13.1	.006	1	.32	.004	.02	1.0	.03	19	.2	<.02	4.1
RSHS-003935	1.37	20.51	16.03	58.4	39	16.0	6.3	390	3.64	19.2	1.1	2.3	.6	7.1	.08	.92	.58	44	.03	.074	14.3	26.2	.40	46.3	.020	1	1.71	.010	.04	.3	.09	38	.8	.05	8.6
RSHS-003928	1.66	127.46	61.38	123.7	115	46.8	31.6	697	7.23	256.0	4.9	204.2	33.2	11.4	.09	1.39	.73	18	.04	.108	24.5	30.0	.75	25.4	.031	<1	1.94	.011	.02	1.3	.03	17	.9	.26	5.5
RSHS-003943	.55	18.77	12.27	45.5	42	14.5	5.2	333	2.39	18.1	1.0	4.9	.9	4.9	.05	.43	.40	21	.03	.062	10.1	20.9	.44	32.1	.013	<1	1.43	.013	.03	.2	.05	28	.6	.03	5.1
RSHS-003921	.33	5.36	5.41	8.4	28	1.6	.6	28	.70	36.0	.4	19.7	.9	2.8	.01	.15	.15	10	.01	.035	19.9	4.6	.04	15.3	.004	<1	.46	.003	.02	.5	.04	<5	.2	<.02	3.4
RSHS-003925	1.23	39.39	18.52	75.6	101	36.1	15.3	643	3.95	36.9	1.7	3.3	1.5	4.7	.06	1.22	.56	16	.02	.058	14.6	15.0	.58	24.9	.014	<1	1.30	.009	.03	.3	.04	30	.8	.15	5.1
RSHS-003931	1.44	126.70	43.01	92.7	157	48.5	20.8	476	4.09	65.0	4.6	8.3	14.0	9.1	.08	1.47	.50	21	.07	.106	29.7	21.6	.52	31.1	.023	1	1.56	.014	.05	.6	.06	41	.7	.11	4.6
RSHS-003920	.34	6.34	5.97	8.9	31	1.8	.7	33	.80	40.2	.4	11.7	.7	2.9	.02	.16	.47	11	.01	.040	20.6	5.2	.04	16.7	.005	<1	.49	.005	.02	.6	.05	11	.1	.15	3.5
RSHS-004039	.89	30.39	24.15	119.1	65	31.7	12.9	477	3.74	346.3	2.8	132.6	6.3	9.7	.13	.76	.48	21	.11	.072	27.5	30.6	.73	39.1	.015	<1	1.89	.006	.03	2.4	.05	19	.7	.07	5.5
RSHS-004050	.86	24.59	14.10	61.1	40	20.3	7.6	569	3.27	50.3	1.2	10.7	1.3	4.5	.06	.78	.53	24	.02	.065	11.4	23.7	.59	34.8	.013	1	1.80	.010	.03	.4	.05	27	.5	.07	6.6
RSHS-004047	.97	32.60	29.64	69.8	51	24.3	13.5	642	3.53	252.1	1.9	46.5	4.1	6.0	.10	.85	.58	20	.05	.114	16.8	19.8	.55	32.7	.020	<1	2.29	.009	.03	1.9	.06	64	1.1	.07	5.5
RSHS-004037	.85	39.00	23.56	96.2	26	38.9	26.9	707	3.65	66.8	1.5	6.1	7.0	6.5	.09	.60	.40	23	.04	.057	22.5	27.3	.82	42.0	.017	<1	2.08	.010	.04	.4	.05	16	.4	.03	5.5
RSHS-004043	1.14	31.37	28.50	59.0	122	15.9	5.6	275	3.83	179.3	2.1	61.0	2.6	5.4	.05	1.07	.47	21	.02	.191	17.2	26.1	.49	32.3	.007	<1	1.40	.005	.03	6.1	.04	43	.6	.09	5.1
RSHS-004041	1.07	18.12	17.50	39.5	44	10.4	4.0	186	3.14	149.6	1.0	5.8	.3	4.8	.07	.83	1.08	35	.01	.070	16.7	17.8	.24	35.6	.015	1	1.27	.009	.03	.4	.08	39	.6	.38	8.3
RSHS-004048	.84	45.43	25.14	87.9	139	30.7	10.1	474	4.01	184.3	2.2	653.8	5.9	5.6	.09	.82	.58	22	.04	.075	17.6	31.7	.88	34.6	.014	<1	2.18	.007	.03	1.5	.06	37	.8	.13	6.5
RSHS-004038	.96	36.73	21.35	82.0	35	24.7	11.1	318	3.50	145.8	2.1	36.6	6.8	6.7	.08	.65	.38	26	.03	.043	27.5	29.1	.75	47.2	.027	<1	1.90	.006	.04	1.0	.06	12	.5	.06	5.5
RE RSHS-004038	1.02	37.13	21.82	82.2	36	25.5	11.3	322	3.54	146.8	2.2	53.3	7.0	6.8	.10	.66	.39	26	.03	.042	27.9	30.7	.76	47.6	.027	1	1.91	.006	.04	1.0	.06	13	.4	.08	5.4
RSHS-004051	1.00	23.25	17.13	66.2	44	21.6	7.1	397	3.49	45.6	1.1	31.8	1.2	5.1	.08	.74	.50	29	.02	.058	13.2	27.9	.62	41.2	.013	<1	1.98	.006	.02	.9	.05	31	.6	.08	6.9
RSHS-004046	.65	18.43	16.32	40.8	52	13.0	4.7	216	2.23	85.8	.9	63.4	.5	7.0	.05	.40	.39	22	.04	.051	10.0	18.3	.41	60.1	.015	<1	1.60	.019	.03	.6	.06	20	.5	.05	5.3
RSHS-004042	1.24	43.51	35.28	79.0	73	20.1	9.3	383	4.73	413.7	2.2	95.2	13.4	5.5	.06	1.71	.55	16	.01	.052	25.6	28.7	.78	42.2	.014	1	1.90	.005	.03	1.0	.03	20	.7	.15	5.0
RSHS-004049	.50	20.77	14.31	46.8	48	16.1	6.3	304	2.30	103.5	1.0	18.9	1.6	4.4	.06	.41	.29	18	.03	.051	10.8	16.8	.43	27.9	.017	<1	1.49	.017	.03	1.1	.03	28	.4	.04	4.7
RSHS-004040	1.03	18.64	16.68	37.1	31	9.5	3.7	167	2.82	301.3	.9	16.9	.3	4.9	.06	.75	.45	38	.01	.066	17.1	16.5	.19	35.4	.014	1	1.16	.008	.03	.4	.06	26	.4	.04	7.5
RSHS-004045	.57	21.96	13.27	46.1	33	20.4	8.8	300	2.31	40.1	.9	25.7	.8	4.2	.05	.70	.49	17	.03	.063	8.1	13.8	.36	20.2	.014	1	1.14	.016	.02	.5	.04	32	.4	.06	4.1
GSMS-004000	.76	17.31	16.68	50.9	59	11.8	4.3	253	3.36	153.7	1.0	22.6	5.8	5.7	.03	.42	.35	17	.03	.047	18.3	20.0	.59	22.7	.015	1	1.44	.005	.04	1.4	.04	21	.2	.04	5.1
GSMS-003995	.46	23.87	14.76	19.5	204	10.0	2.7	91	1.41	68.2	1.4	4.7	1.1	7.7	.02	.17	.20	11	.05	.060	29.8	14.4	.19	21.0	.012	<1	.79	.019	.03	.4	.03	20	.3	<.02	3.4
GSMS-003998	.57	16.68	12.81	33.9	55	9.3	3.2	161	2.09	84.0	.9	4.1	1.4	6.0	.03	.25	.22	13	.03	.044	14.6	14.2	.35	34.1	.011	<1	1.17	.016	.03	.7	.03	13	.3	<.02	3.8
MS-003988	.53	29.88	14.96	60.9	198	20.7	6.6	357	3.84	143.1	1.0	6.3	8.3	5.2	.06	.43	.36	17	.03	.040	26.7	27.1	.66	41.8	.012	1	1.69	.008	.05	.9	.04	21	.3	.04	5.7
MS-003994	.49	16.98	14.96	46.5	124	9.0	3.4	239	2.67	37.7	1.0	3.3	6.9	4.0	.01	.20	.26	13	.02	.036	23.9	18.4	.55	11.2	.005	<1	1.19	.005	.02	.6	.03	19	.3	.02	4.4
GSMS-003997	.89	42.38	24.85	56.2	127	22.1	6.9	222	3.22	174.0	2.2	2.5	1.6	8.9	.08	.54	.37	23	.05	.063	48.0	19.3	.45	33.2	.016	1	1.49	.010	.04	.8	.04	23	.7	.02	5.2
GSMS-003992	.49	31.96	20.91	46.7	280	11.7	4.0	249	2.98	39.2	1.9	3.4	10.0	4.4	.03	.21	.29	14	.02	.042	45.3	26.6	.56	14.0	.006	1	1.46	.006	.02	.6	.03	23	.6	.02	4.7
GSMS-003999	1.10	32.33	7.60	50.5	51	12.9	14.4	521	4.32	2.3	.7	<.2	2.5	52.8	.08	.14	.15	167	.52	.039	11.6	45.0	.56	87.9	.474	1	4.18	.160	.07	.3	.13	33	.7	.04	10.8
GSMS-003996	.63	25.51	18.69	25.7	187	7.3	2.9	114	2.05	121.3	1.4	5.3	1.5	4.8	.04	.29	.26	14	.03	.064	30.9	12.3	.25	17.6	.008	1	.97	.013	.02	.7	.03	22	.4	.03	4.0
STANDARD DS2	14.11	131.45	31.66	167.4	261	37.1	13.0	839	3.18	65.9	21.9	199.2	3.5	31.1	11.76	10.36	11.41	82	.55	.082	16.2	168.4	.60	143.9	.114	3	1.76	.039	.17	7.7	1.96	252	2.6	1.85	6.4

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

Data 1 FA ___

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-003987	.45	20.74	16.48	23.1	160	9.6	4.1	110	1.65	138.8	1.4	4.0	.6	8.2	.05	.24	.32	13	.06	.047	40.1	10.6	.18	17.4	.009	1	.73	.017	.02	.5	.03	28	.4	<.02	3.5
GSMS-003990	.63	28.46	20.75	39.7	534	23.9	5.1	178	2.63	167.7	1.7	15.1	7.5	15.8	.05	.29	.37	13	.14	.058	56.8	17.9	.40	22.9	.006	1	1.16	.007	.03	1.3	.05	57	.7	.03	4.3
GSMS-003993	.51	19.31	18.23	45.4	153	10.6	3.4	237	2.73	29.3	1.1	2.5	7.9	4.3	.02	.21	.36	13	.02	.038	27.7	17.4	.55	14.0	.006	1	1.31	.005	.02	.8	.04	28	.4	.02	4.5
GSMS-003991	.54	25.80	14.38	65.2	23	10.2	4.3	311	3.77	45.3	1.4	3.1	14.4	2.0	.01	.37	.36	13	.01	.025	17.6	26.5	.65	7.9	.005	<1	1.35	.004	.01	.3	<.02	6	.3	.02	4.4
GSMS-003989	.68	22.10	20.17	62.6	84	10.8	4.4	291	4.12	381.3	1.1	16.7	11.0	3.5	.02	.54	.44	18	.01	.032	27.9	27.1	.63	16.6	.007	<1	1.41	.005	.02	1.3	.03	17	.5	.05	5.3
GSMS-004005	.62	12.07	11.21	31.1	39	6.1	2.6	147	2.11	92.9	.7	5.0	1.5	4.5	.02	.29	.26	17	.02	.038	10.3	14.5	.33	28.6	.016	<1	1.16	.014	.04	1.5	.04	21	.4	.02	4.3
GSMS-004026	.22	23.33	9.11	4.5	547	1.4	.8	16	.39	22.6	1.0	1.2	.1	8.2	.03	.04	.09	8	.09	.046	20.5	2.8	.04	12.6	.020	<1	.61	.037	.02	<.2	<.02	12	.3	<.02	1.7
GSMS-004018	.57	60.33	30.01	36.7	53	14.5	5.8	123	1.79	30.4	1.7	4.2	1.1	8.0	.10	.36	.97	23	.09	.075	25.5	18.4	.22	34.8	.023	1	1.11	.017	.02	.4	.06	24	.5	.26	3.6
GSMS-004003	.94	44.53	28.30	75.6	58	17.9	7.0	341	4.23	373.7	2.2	10.5	13.4	6.9	.03	.67	.55	19	.02	.046	31.6	33.6	.84	30.3	.014	<1	2.04	.007	.04	1.7	.04	10	.3	.06	5.9
GSMS-004014	1.10	20.99	17.17	51.5	30	15.8	5.7	258	3.12	22.9	1.1	20.4	1.5	6.9	.06	.64	.53	37	.03	.058	16.8	26.7	.47	32.5	.026	1	1.64	.008	.04	.4	.10	30	.8	.04	7.1
GSMS-004032	.55	18.74	15.05	44.2	94	11.9	3.6	262	2.67	70.9	1.1	16.2	6.6	4.4	.04	.33	.36	14	.01	.036	23.5	22.5	.50	39.0	.005	<1	1.51	.006	.04	.6	.03	12	.3	.05	5.1
GSMS-004009	.87	37.82	25.13	79.5	53	15.8	8.8	360	4.37	119.3	2.0	6.0	18.0	9.0	.04	.70	1.07	19	.02	.058	23.8	34.1	.86	30.5	.021	1	1.96	.011	.03	.9	.05	6	.5	.27	5.5
GSMS-004001	.71	15.98	16.75	48.0	70	10.8	3.7	238	2.89	127.2	1.0	7.9	3.7	5.1	.03	.44	.41	15	.02	.039	16.4	20.9	.56	22.1	.010	<1	1.38	.008	.03	1.3	.04	21	.4	.08	4.9
RE GSMS-004012	.23	12.68	16.03	26.6	50	10.9	9.5	357	1.26	946.4	.8	62.9	5.4	3.8	.07	.29	.16	7	.05	.035	9.7	6.4	.19	11.2	.008	<1	.58	.007	.01	23.2	<.02	20	.3	.04	1.6
GSMS-004012	.22	13.06	16.44	26.9	66	11.2	9.7	367	1.28	966.8	.9	351.6	5.6	4.0	.06	.29	.14	7	.05	.035	10.1	10.8	.19	11.5	.008	<1	.61	.007	.01	24.8	<.02	20	.3	.03	1.6
GSMS-004007	.87	36.90	24.38	81.5	53	20.0	10.2	411	4.24	350.6	1.9	25.6	17.0	7.7	.02	.64	.43	14	.01	.041	25.5	33.7	.84	24.8	.009	<1	1.83	.007	.02	5.7	.02	22	.5	.04	5.0
GSMS-004029	.43	8.44	7.17	33.2	41	8.7	3.1	196	1.80	63.2	.6	25.2	5.5	2.4	.01	.24	.17	12	.01	.016	24.3	13.3	.37	18.1	.006	<1	.95	.005	.02	.6	.03	10	.1	.02	4.5
GSMS-004023	.73	40.15	23.85	47.4	72	16.6	5.3	241	2.74	97.5	2.2	19.1	3.1	6.9	.03	.78	.42	15	.04	.064	24.6	17.2	.42	34.7	.011	<1	1.46	.018	.03	.7	.05	20	.4	.10	4.6
GSMS-004016	1.00	24.81	24.67	76.2	57	20.5	6.8	420	4.57	129.1	1.7	27.8	7.0	4.7	.08	.70	.62	31	.03	.094	17.6	33.5	.55	32.3	.019	1	1.86	.007	.04	6.1	.06	75	.8	.09	7.9
GSMS-004006	.84	45.11	28.11	74.5	75	14.5	6.2	343	4.26	394.3	2.2	15.2	13.8	6.3	.05	.74	.48	16	.01	.041	20.6	31.3	.81	29.5	.013	<1	1.85	.007	.03	2.1	.02	19	.4	.02	5.3
GSMS-004027	.13	5.94	1.13	5.9	126	1.3	1.0	44	.34	2.4	.1	<.2	.1	7.4	.06	.04	.06	9	.08	.033	2.6	2.2	.02	22.3	.020	<1	.63	.044	.02	<.2	.02	12	.2	<.02	1.8
GSMS-004031	.46	14.99	10.85	55.3	82	14.5	5.0	327	3.22	90.2	.8	10.9	7.1	2.7	.04	.37	.28	16	.01	.031	23.5	31.1	.66	21.8	.008	<1	1.56	.006	.03	.7	.02	17	.2	.04	5.4
GSMS-004017	.99	68.62	28.94	86.2	52	34.6	12.1	320	3.90	58.5	2.4	33.0	3.8	5.1	.08	.71	.52	28	.04	.070	18.3	26.9	.55	22.0	.015	<1	1.60	.007	.03	.3	.04	25	.6	.09	6.6
GSMS-004004	.91	54.41	27.47	78.7	58	22.9	8.2	351	4.11	380.3	2.3	13.8	12.4	6.0	.03	.60	.47	20	.02	.050	25.9	33.7	.84	39.4	.015	<1	2.11	.005	.05	2.2	.04	18	.6	.05	5.9
GSMS-004024	.58	17.57	15.87	23.9	94	5.2	2.3	122	1.51	38.3	1.0	2.5	.4	5.8	.04	.59	.25	15	.03	.049	8.4	9.8	.19	20.9	.013	<1	.89	.022	.03	.2	.05	24	.5	.05	3.2
GSMS-004019	1.13	244.23	62.41	175.0	156	138.7	125.4	869	3.76	277.3	9.7	387.1	17.3	9.0	.17	1.04	.46	18	.11	.093	49.3	28.4	.63	30.6	.016	<1	1.65	.007	.04	2.8	.04	30	.4	.12	4.3
GSMS-004030	.38	13.31	12.66	49.1	72	14.3	5.0	247	2.45	47.8	.8	8.3	4.6	5.2	.06	.21	.22	13	.03	.039	18.7	20.9	.50	25.3	.009	<1	1.26	.013	.04	.6	.02	26	.3	.06	4.5
GSMS-004002	.75	25.68	22.24	75.9	24	16.1	8.6	411	4.28	299.4	1.3	20.3	10.3	5.3	.04	.50	.41	19	.01	.030	22.0	32.0	.83	31.5	.014	<1	2.00	.006	.04	1.4	.03	9	.4	<.02	5.6
GSMS-004013	.83	19.60	16.38	59.1	25	16.7	4.9	369	3.50	29.0	1.3	3.7	1.7	5.6	.06	.59	.43	24	.03	.079	12.0	26.4	.62	28.3	.014	<1	1.71	.017	.03	.2	.05	24	.7	.06	6.6
GSMS-004008	1.04	43.43	27.21	81.5	37	20.6	10.5	371	4.24	505.6	2.2	28.8	15.2	7.7	.05	.83	.46	19	.03	.051	23.9	32.8	.81	34.7	.022	<1	1.84	.007	.03	12.7	.03	18	.6	.06	5.1
GSMS-004015	.61	21.74	17.67	68.0	20	19.9	7.6	514	3.90	40.2	.9	4.5	3.3	4.1	.09	.52	.39	24	.02	.049	16.6	29.7	.61	27.5	.016	<1	1.62	.005	.03	3.0	.04	20	.4	.06	6.4
GSMS-004010	.87	35.97	15.69	50.8	51	16.0	8.0	234	2.40	103.4	1.7	22.8	5.9	8.1	.06	.42	.26	18	.07	.062	16.4	17.3	.41	31.6	.026	<1	1.30	.019	.03	.8	.04	19	.6	.04	3.6
GSMS-004028	.53	65.23	20.97	23.1	596	14.2	3.9	51	1.05	111.5	3.4	151.6	.8	8.0	.18	.22	.14	10	.07	.062	70.0	10.0	.07	20.3	.007	<1	.64	.019	.03	.4	.03	29	.2	.04	2.4
GSMS-004021	.75	69.40	28.86	96.2	72	47.3	28.7	447	2.96	127.3	3.1	35.8	11.3	8.9	.12	.82	.38	18	.09	.067	25.3	20.9	.53	36.9	.022	<1	1.38	.016	.04	1.4	.04	15	.5	.09	3.7
STANDARD DS2	15.13	133.12	33.37	168.1	260	38.1	13.9	837	3.24	64.2	22.8	212.6	3.6	31.2	11.69	10.91	11.74	83	.56	.083	16.8	168.8	.60	143.8	.115	3	1.77	.040	.17	7.8	1.94	255	2.7	1.88	6.5

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

Data 4 FA ___

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-004025	.83	23.79	26.19	45.9	85	11.1	4.8	230	2.63	468.6	1.6	118.1	1.0	5.6	.06	.78	.46	18	.03	.067	16.4	18.5	.27	25.3	.018	2	.98	.020	.03	1.2	.05	32	.7	.07	5.3
GSMS-004011	1.09	35.41	38.63	74.2	84	16.7	9.3	416	5.57	50.3	2.0	26.3	19.9	8.5	.03	1.57	.71	15	.02	.052	20.0	35.1	.83	29.7	.059	2	1.89	.010	.03	.6	.02	9	.7	.03	5.6
GSMS-004022	.97	67.88	47.72	77.9	91	27.6	13.3	364	3.34	96.9	2.7	19.3	10.5	9.6	.06	1.36	.66	16	.06	.066	23.5	22.6	.46	33.9	.015	<1	1.31	.017	.03	.5	.04	26	.7	.15	4.1
GSMS-004020	.90	73.26	33.48	109.9	66	55.5	34.4	498	3.40	143.3	3.6	59.9	15.4	9.3	.13	1.04	.42	18	.08	.066	26.4	25.4	.63	37.6	.020	<1	1.50	.010	.04	1.3	.04	10	.2	.09	4.3
SDWS-003981	.70	121.79	57.00	121.8	101	74.3	63.0	1359	4.39	58.4	2.7	15.6	14.7	5.2	.09	1.35	.49	21	.09	.079	32.1	41.7	1.26	23.4	.009	<1	2.50	.006	.02	<.2	.03	24	.2	.07	7.1
SDWS-003946	.53	13.30	10.55	19.5	108	4.6	1.6	82	1.63	57.1	.8	8.2	1.4	4.1	.03	.23	.22	14	.01	.030	18.5	12.3	.17	21.3	.008	<1	.76	.006	.02	.7	.03	17	.2	.02	4.3
SDWS-003965	.93	64.90	43.38	89.3	122	25.9	19.3	568	4.81	1543.6	4.0	144.3	25.8	11.1	.08	1.21	.52	15	.05	.066	32.1	28.6	.65	32.8	.011	<1	1.56	.011	.02	17.4	.02	13	.4	.09	4.4
SDWS-003963	.85	45.20	23.95	86.9	63	26.0	13.3	353	3.87	124.9	2.4	9.7	15.2	4.8	.05	.57	.63	15	.02	.047	20.1	28.6	.73	26.8	.009	<1	1.74	.008	.02	1.0	.04	18	.6	.12	5.0
SDWS-003959	.96	50.83	30.03	91.5	64	24.5	10.9	425	4.38	163.5	2.3	7.5	15.4	8.1	.07	.69	.49	19	.02	.060	25.1	33.5	.83	41.1	.013	<1	2.19	.008	.04	1.4	.04	45	.6	.05	6.0
SD 003955	.59	13.09	12.21	38.6	41	8.3	3.2	212	2.93	123.9	.6	6.7	1.9	3.7	.03	.36	.88	17	.01	.046	14.5	22.9	.42	25.3	.011	1	1.30	.008	.03	1.2	.05	30	.4	.22	5.6
SDWS-003953	.32	18.90	11.10	28.8	224	15.7	3.9	130	1.23	27.3	1.2	5.4	1.2	7.3	.05	.12	.23	8	.04	.045	30.1	11.0	.26	40.1	.010	<1	1.16	.020	.03	.6	.04	30	.4	.04	3.7
SDWS-003961	.86	54.73	27.32	101.8	44	36.2	21.2	458	4.27	129.3	2.9	15.4	16.7	6.8	.06	.65	.45	19	.02	.041	24.8	34.4	.92	36.8	.014	<1	2.18	.009	.03	.9	.03	11	.1	.05	5.6
SDWS-003957	1.33	57.10	43.98	90.7	62	37.0	15.1	350	4.20	211.3	3.2	13.7	9.2	7.5	.05	.85	.58	23	.03	.054	27.5	30.3	.77	67.0	.024	<1	2.26	.011	.04	1.5	.07	23	.7	.09	5.9
SDWS-003977	.97	15.25	13.43	37.4	46	10.7	4.6	292	2.96	25.1	1.0	2.2	.2	5.9	.07	.64	.38	29	.02	.114	9.4	19.3	.21	45.1	.008	<1	1.58	.015	.02	.2	.08	33	.8	.04	6.9
RE SDWS-003956	.96	22.24	18.13	53.9	47	12.5	4.6	252	3.14	97.4	1.1	6.0	2.7	4.8	.05	.48	.36	22	.02	.041	18.4	29.3	.54	36.4	.020	<1	1.74	.007	.03	1.0	.04	27	.8	.06	5.4
SDWS-003949	.72	14.01	11.84	34.8	154	6.1	2.3	160	3.11	116.6	.6	260.0	5.6	3.3	.02	.43	.33	17	.01	.030	20.6	19.7	.33	16.2	.011	<1	.99	.006	.02	2.9	.02	17	.3	.04	5.6
SDWS-003973	.75	56.28	31.43	74.2	51	27.0	16.0	743	2.98	52.2	2.2	11.8	7.5	6.1	.10	.64	.37	16	.07	.086	17.1	24.2	.62	24.4	.015	<1	1.59	.011	.03	.6	.04	51	.7	.08	4.5
SDWS-003975	1.44	22.55	16.54	62.8	49	18.9	9.3	640	3.33	21.3	1.3	9.7	.5	6.9	.09	.86	.52	38	.05	.080	12.5	23.6	.43	33.8	.018	<1	1.58	.010	.03	.2	.06	35	.8	.05	7.7
SDWS-003956	1.02	22.87	18.91	52.3	84	12.3	4.7	244	3.11	94.2	1.2	145.1	3.1	4.6	.06	.50	.38	21	.02	.040	17.9	25.6	.54	36.3	.019	<1	1.74	.007	.03	1.0	.04	29	.7	.04	5.6
SDWS-003960	.81	49.85	26.11	98.2	41	33.2	19.3	449	4.20	110.0	2.6	11.7	16.1	7.1	.06	.63	.44	18	.02	.043	25.1	35.0	.86	33.4	.011	<1	2.00	.008	.03	.8	.03	9	.1	.04	5.4
SDWS-003966	1.14	31.67	8.42	52.6	42	13.9	14.7	509	4.11	2.9	.7	1.7	2.9	50.2	.07	.12	.16	159	.49	.040	11.6	47.6	.58	91.9	.486	1	4.39	.164	.07	.3	.14	32	.7	.09	10.5
SDWS-003948	.70	19.54	16.91	31.4	170	7.5	2.4	125	2.47	129.3	.9	26.6	5.0	3.8	.03	.33	.28	18	.01	.042	21.0	18.9	.26	27.1	.014	<1	1.04	.011	.03	1.4	.04	19	.3	.03	5.2
SDWS-003952	.56	11.14	13.09	25.2	62	5.0	1.8	95	1.56	63.1	.6	8.7	3.1	4.0	.01	.21	.19	15	.02	.029	16.1	13.1	.22	15.8	.011	<1	.67	.014	.03	1.2	.03	13	<.1	<.02	3.4
SDWS-003962	.71	41.20	20.42	73.5	50	27.7	15.0	273	3.12	84.3	2.0	6.8	9.7	5.4	.04	.44	.30	16	.03	.043	16.9	23.8	.58	29.9	.014	<1	1.61	.013	.02	.7	.03	19	.5	.03	4.3
SDWS-003968	1.78	39.36	39.76	45.0	96	13.1	6.2	236	2.69	15.7	2.2	12.6	8.2	8.0	.05	1.61	.65	14	.05	.062	24.1	10.8	.40	29.1	.024	<1	1.05	.014	.03	.2	.04	26	.9	.24	3.5
SDWS-003979	.86	11.23	13.37	28.3	49	10.7	5.8	1210	1.87	6.5	.6	.6	.6	4.2	.04	.29	.23	19	.02	.104	5.5	14.9	.35	47.5	.007	1	1.14	.012	.02	<.2	.04	39	.3	.08	4.8
SDWS-003954	.52	13.92	12.63	43.2	67	11.3	3.9	254	4.41	65.1	.7	6.5	4.1	2.9	.04	.39	.40	25	.01	.062	17.9	27.3	.43	24.3	.014	<1	1.33	.007	.03	1.6	.04	33	.6	.05	7.2
SDWS-003951	.31	14.83	10.81	29.3	142	7.0	2.2	121	1.54	42.5	.9	5.9	3.9	3.5	.03	.11	.18	11	.02	.030	24.6	9.6	.29	22.1	.013	<1	.92	.019	.02	.7	.03	19	.3	.04	3.1
S 003964	.62	18.15	16.38	38.6	45	8.5	4.5	164	2.12	88.9	1.3	15.3	3.7	4.7	.06	.36	.27	11	.02	.042	11.0	16.2	.36	27.0	.013	<1	1.16	.017	.02	.6	.02	49	.5	.03	3.6
SDWS-003969	.97	48.21	19.17	87.7	53	29.1	16.6	465	3.55	50.3	3.3	8.7	15.9	8.2	.07	.91	.56	13	.07	.060	24.8	27.5	.79	29.3	.013	<1	1.55	.008	.03	.2	.03	13	.3	.18	4.5
SDWS-003947	.74	10.84	8.71	18.0	52	4.3	1.6	49	1.82	178.7	.5	51.8	.8	3.1	.04	.42	.38	29	.01	.031	22.0	8.2	.04	17.7	.013	<1	.47	.004	.02	1.3	.04	14	.3	.06	7.6
SDWS-003976	.80	21.17	14.78	43.5	40	12.9	5.4	408	2.68	13.7	1.3	1.5	1.0	5.2	.06	.65	.36	20	.03	.094	9.7	21.7	.41	24.3	.010	<1	1.44	.015	.02	<.2	.04	36	.6	.06	5.4
SDWS-003980	.72	107.07	48.84	109.9	75	58.0	48.3	1264	4.38	46.4	2.6	6.7	13.8	4.5	.08	1.32	.52	21	.08	.080	29.7	42.3	1.22	19.9	.008	<1	2.44	.006	.02	<.2	.03	29	.2	.09	7.3
SDWS-003967	4.51	81.95	131.05	75.4	176	13.9	8.0	370	6.71	79.4	4.6	35.0	43.1	20.2	.05	6.00	1.85	16	.01	.093	44.8	38.8	.55	42.4	.040	1	1.76	.013	.03	.2	.04	20	1.9	.69	5.7
STANDARD DS2	14.06	130.52	33.27	166.7	260	37.8	13.0	832	3.21	68.9	22.4	203.4	3.7	31.4	11.46	10.75	11.62	81	.55	.082	16.2	167.6	.59	141.9	.113	3	1.75	.039	.16	7.6	1.96	250	2.5	1.86	6.5

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

Data 4 FA ___

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-003972	.52	32.08	21.05	43.8	27	16.8	15.4	537	1.62	30.4	1.2	9.2	1.6	5.7	.05	.32	.22	13	.08	.067	13.6	14.1	.27	17.3	.014	1	.98	.016	.03	.6	.03	43	.5	.04	2.9
SDWS-003945	.69	25.52	19.51	62.9	77	16.1	7.4	343	3.59	275.4	1.4	30.9	5.2	4.5	.05	.43	.39	18	.02	.038	31.2	27.6	.61	27.5	.009	<1	1.54	.007	.03	.8	.04	15	.4	.04	5.7
SDWS-003974	.71	15.93	10.40	42.6	36	15.0	6.0	420	2.24	12.1	.8	.8	.6	5.3	.04	.41	.29	19	.04	.060	10.8	15.6	.45	29.7	.013	<1	1.38	.017	.03	.2	.04	18	.4	.03	4.7
SDWS-003958	1.19	67.54	37.89	80.5	67	29.1	10.5	308	4.32	250.8	2.7	4.0	9.4	8.6	.04	.59	.54	20	.02	.069	45.7	26.3	.69	42.1	.015	1	2.10	.011	.05	1.2	.06	20	.2	.03	6.0
SDWS-003978	.46	22.76	10.92	73.3	23	31.8	11.6	1077	3.73	17.1	.6	2.3	4.8	3.8	.05	.39	.34	19	.04	.090	17.4	29.2	1.09	25.5	.008	<1	2.16	.005	.02	.2	.03	24	.4	.08	6.6
SDWS-003971	.88	60.45	35.75	101.0	55	38.1	48.2	1211	3.36	65.5	3.5	9.0	5.0	6.5	.13	.59	.46	20	.06	.087	25.0	24.8	.71	38.6	.014	1	1.86	.013	.04	.5	.06	47	.4	.08	5.5
SDWS-003982	.29	9.04	5.69	13.9	24	5.1	2.1	91	.89	5.5	.4	.4	.2	4.8	.01	.12	.11	12	.05	.044	3.9	5.4	.14	11.5	.016	<1	.70	.022	.02	<.2	.02	21	.3	<.02	2.3
SDWS-003970	.78	25.33	14.30	44.6	32	14.4	6.5	247	2.12	45.9	1.1	6.1	2.0	6.8	.07	.41	.25	21	.06	.068	14.3	17.1	.38	28.8	.020	1	1.27	.016	.04	.4	.05	18	.5	.04	3.9
RE SDWS-003970	.79	26.35	15.21	46.1	36	14.9	6.6	257	2.17	47.9	1.1	36.6	2.2	7.2	.08	.45	.27	21	.07	.070	14.9	23.0	.41	30.4	.021	1	1.34	.018	.04	.5	.05	22	.5	.05	4.2
SDWS-003950	.53	24.88	17.50	55.7	69	14.0	4.4	306	3.28	110.8	1.3	96.7	12.6	3.4	.02	.28	.28	13	.01	.028	34.2	27.7	.68	18.1	.004	<1	1.56	.005	.02	2.8	.02	9	.3	.02	4.7
STANDARD DS2	14.91	130.88	31.09	164.7	259	36.9	12.7	825	3.21	64.9	21.0	210.3	3.4	29.9	11.25	9.44	10.95	80	.56	.083	17.3	172.2	.60	144.6	.115	2	1.79	.042	.16	7.2	1.85	247	2.4	1.77	6.1

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

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ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.)
852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2316 File # 9903383 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
JESS-003604	2.69	<.1	.52	4.5	.9	.9	.13	1.6	42.77	48.3	.02	1	21.6
JESS-003602	2.90	<.1	.41	6.2	1.1	.5	.02	1.2	13.52	52.2	.02	1	57.4
JESS-003597	2.56	<.1	.62	7.4	2.0	.7	.04	4.8	93.98	176.4	.03	<1	61.0
JESS-003595	.56	<.1	.47	4.1	.3	.6	.07	1.5	3.28	39.1	.02	<1	14.7
JESS-003600	.49	<.1	.20	3.1	.2	.3	.02	.6	1.65	28.6	<.02	<1	2.9
JESS-003606	.48	<.1	.61	3.0	1.1	.2	.01	2.5	3.08	46.7	<.02	<1	45.1
JESS-003599	1.10	.2	.48	5.7	9.3	1.7	.03	48.0	14.13	31.0	.05	1	9.1
JESS-003605	.49	<.1	.15	3.2	.2	.5	.01	.2	1.34	36.4	<.02	1	.8
JESS-003601	.66	<.1	.33	4.1	.3	.2	<.01	.5	1.95	38.3	<.02	<1	7.9
JESS-003594	.69	<.1	.21	2.9	.2	.4	.03	.8	2.02	14.0	<.02	<1	9.8
JESS-003607	3.08	<.1	.72	7.5	.5	1.0	.04	.4	5.87	43.0	<.02	<1	29.0
RE JESS-003607	3.55	<.1	.57	8.9	.7	1.0	.04	.3	5.82	47.0	.02	<1	29.3
JESS-003598	1.23	<.1	.58	4.5	.3	.6	.16	1.1	11.79	40.4	.02	<1	10.0
JESS-003603	.76	<.1	.41	4.3	.5	.3	.02	2.4	2.45	34.1	.02	<1	14.7
JESS-003596	.84	<.1	.72	3.4	.4	.4	.03	.3	2.63	31.0	.02	<1	20.5
DHSS-003695	1.66	<.1	1.06	6.3	.8	.5	.06	2.4	57.72	54.7	.02	<1	18.4
DHSS-003708	.53	<.1	.22	4.0	.5	.2	.01	1.4	1.75	25.8	<.02	<1	25.4
DHSS-003698	1.08	<.1	.51	5.8	.3	.5	.05	.6	2.73	22.2	.02	<1	8.3
DHSS-003693	.32	<.1	.10	2.6	.2	.2	.01	.3	.95	13.8	<.02	<1	6.6
DHSS-003706	.42	<.1	.45	3.3	.3	.3	.04	.3	1.34	16.2	<.02	<1	6.7
DHSS-003689	.27	<.1	.27	1.7	.3	.2	.03	1.7	2.25	15.3	<.02	<1	1.9
DHSS-003699	1.07	.1	.45	5.9	9.0	1.5	<.01	45.4	13.44	30.2	.05	3	9.9
DHSS-003696	.50	<.1	.37	4.2	1.0	.2	.01	2.4	2.58	43.6	<.02	<1	46.4
DHSS-003692	.86	<.1	.32	4.8	.8	.3	.01	1.6	3.67	44.3	.02	<1	36.5
DHSS-003704	1.69	<.1	.48	6.2	1.0	.4	.03	1.7	4.72	29.2	.03	1	38.1
DHSS-003713	.81	<.1	.66	5.4	1.2	.5	.02	.4	3.33	43.7	.02	<1	33.9
DHSS-003710	1.06	<.1	.47	5.5	1.2	.5	.01	.4	4.89	43.7	.03	<1	41.9
DHSS-003717	.57	<.1	.34	4.4	.6	.3	.02	.4	2.20	27.2	.02	<1	27.0
DHSS-003691	.45	<.1	.51	4.8	1.3	.2	<.01	4.2	4.09	55.7	.02	<1	59.0
DHSS-003702	1.15	<.1	.79	4.4	.7	.3	.03	.7	4.09	37.0	.02	<1	31.7
DHSS-003715	.94	<.1	.50	6.9	.2	.6	.05	.3	1.93	27.9	.02	1	13.9
DHSS-003701	.79	<.1	.66	4.4	.4	.2	.04	.8	4.09	15.9	<.02	<1	15.0
DHSS-003697	.42	<.1	.14	2.2	.2	.3	.03	1.3	2.59	30.4	<.02	<1	15.8
DHSS-003718	.74	<.1	.26	4.7	.5	.3	.03	1.3	2.53	21.2	<.02	<1	30.3
STANDARD DS2	2.52	<.1	2.02	15.1	3.1	24.4	.04	3.9	7.04	31.1	5.36	2	13.1

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 9 1999 **DATE REPORT MAILED:** Sept 22/99 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data f FA ___

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
DHSS-003707	.45	<.1	.55	3.1	.5	.5	.03	.4	1.95	21.6	<.02	<1	22.4
DHSS-003711	.32	<.1	.19	1.9	.2	.3	.02	.6	1.06	7.3	<.02	<1	5.6
DHSS-003705	1.78	<.1	.55	4.6	1.3	.7	.01	3.1	10.67	36.1	.02	<1	40.2
DHSS-003690	.46	<.1	.35	3.0	.5	.4	.03	1.3	1.89	29.5	<.02	<1	31.0
DHSS-003703	.67	<.1	.54	3.5	.5	1.0	.10	.5	1.68	20.7	<.02	<1	17.0
DHSS-003716	.80	<.1	.47	5.2	.6	.5	.05	.2	2.55	22.1	.02	<1	26.7
DHSS-003712	1.50	<.1	.53	4.5	.5	.6	.06	.3	4.66	25.2	.02	<1	23.5
DHSS-003694	.49	<.1	.23	2.8	.4	.8	.02	.7	2.03	24.0	<.02	<1	20.3
DHSS-003709	.76	<.1	.24	4.1	.2	.6	.05	.6	1.78	16.2	.02	<1	11.0
RE RSHS-003932	1.09	<.1	.32	4.3	1.1	.3	.01	1.0	2.45	36.0	.03	<1	47.5
DHSS-003700	1.12	<.1	.81	5.3	.5	.4	.05	.7	6.10	22.1	.02	<1	22.8
DHSS-003714	.54	<.1	.56	4.0	.4	.3	.05	.3	2.27	29.6	<.02	1	23.4
RSHS-003922	.93	<.1	.36	6.1	.7	.3	.03	1.5	4.75	41.7	.02	<1	35.9
RSHS-003926	.73	<.1	1.01	3.2	1.0	.3	.03	2.1	7.80	44.9	.02	<1	37.9
RSHS-003938	1.03	<.1	.32	5.2	.4	.3	.04	.6	1.76	20.7	.02	<1	18.1
RSHS-003914	.55	<.1	.70	4.6	1.1	.3	.01	1.5	2.93	45.3	<.02	<1	44.7
RSHS-003929	.89	<.1	.88	4.6	1.3	.3	.03	2.3	6.36	64.9	.02	<1	34.2
RSHS-003941	.74	<.1	.55	4.1	1.4	.2	.02	4.0	6.65	45.6	.02	1	60.8
RSHS-003916	1.16	<.1	.21	4.4	.2	.5	.03	.2	6.38	36.6	<.02	<1	3.0
RSHS-003924	.37	.1	.69	2.1	1.3	.3	.02	2.6	35.21	155.6	.03	1	30.5
RSHS-003937	.79	<.1	.47	4.4	1.0	.4	.03	.9	4.34	35.7	.02	<1	44.0
RSHS-003934	.94	<.1	.49	6.8	.4	.7	.10	.5	2.32	22.9	.02	<1	16.3
RSHS-003933	1.09	.1	.51	5.6	9.6	1.5	<.01	42.5	14.97	30.6	.07	2	9.6
RSHS-003918	.47	<.1	.09	3.2	.2	.2	.01	.3	1.72	39.3	<.02	<1	4.5
RSHS-003936	.57	<.1	.44	4.3	1.5	.4	<.01	1.4	6.57	46.0	.02	<1	47.3
RSHS-003940	.70	<.1	.60	4.0	1.4	.3	.01	4.3	7.04	42.8	.03	<1	64.1
RSHS-003944	1.01	<.1	.69	5.7	.9	.6	.04	.3	4.06	27.0	.03	1	33.0
RSHS-003917	.72	<.1	.53	4.8	.5	.3	<.01	.9	1.69	36.6	<.02	<1	8.4
RSHS-003927	1.64	<.1	.95	5.2	1.6	.5	.03	2.4	12.10	75.0	.03	1	42.9
RSHS-003930	.86	<.1	.90	3.6	1.3	.4	.03	3.1	6.92	58.4	.03	<1	42.5
RSHS-003919	.67	<.1	.77	4.4	.9	.3	.02	1.1	2.60	43.6	.02	<1	24.5
RSHS-003932	1.13	<.1	.30	4.5	1.3	.3	.01	1.0	2.56	38.6	.02	<1	49.0
RSHS-003915	.75	.1	.95	4.7	.7	.3	<.01	1.7	2.00	38.8	<.02	1	18.5
RSHS-003939	.61	<.1	.66	3.8	.7	.4	.02	.2	2.74	33.0	.02	1	28.9
STANDARD DS2	2.53	.1	2.06	14.8	3.3	24.6	.04	3.7	7.62	32.3	5.47	2	14.2

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

Data 1 FA ___

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-003942	.75	<.1	.44	4.4	1.3	.7	.02	1.3	4.73	56.3	.02	<1	45.9
RSHS-003913	.72	<.1	.31	4.2	.2	.5	.03	.5	1.86	38.3	<.02	<1	12.3
RSHS-003923	.58	<.1	.15	3.6	.2	.5	.02	.1	1.49	33.4	<.02	<1	1.0
RSHS-003935	1.05	<.1	.80	7.1	.5	.9	.06	.6	2.57	27.3	.03	<1	22.6
RSHS-003928	.97	<.1	.84	2.6	1.4	.5	.04	3.7	14.89	52.7	.03	1	40.0
RSHS-003943	.84	<.1	.33	5.5	.4	.4	.04	.5	2.58	20.3	.02	<1	24.8
RSHS-003921	.28	<.1	.12	2.0	.2	.3	<.01	.1	1.62	39.7	<.02	<1	1.8
RSHS-003925	.84	<.1	.34	4.8	.4	.5	.04	.4	7.00	30.4	.02	<1	25.0
RSHS-003931	2.00	<.1	.68	5.4	1.7	.4	.04	2.9	14.57	64.0	.03	<1	30.0
RSHS-003920	.30	<.1	.11	2.0	.2	.5	.01	.1	1.60	39.7	<.02	<1	2.0
RSHS-004039	.83	<.1	.35	5.5	1.0	.4	.02	1.0	7.05	54.2	.02	<1	47.0
RSHS-004050	1.27	<.1	.38	5.1	.5	.3	.04	.8	3.39	22.8	.02	<1	35.9
RSHS-004047	.85	<.1	.61	4.6	.8	.4	.05	3.4	4.35	42.1	.03	<1	33.0
RSHS-004037	.96	<.1	.37	4.9	1.2	.3	.01	1.8	4.67	52.3	.02	<1	47.9
RSHS-004043	.76	<.1	.27	4.8	.4	.3	.06	1.5	3.23	32.4	.02	1	26.6
RSHS-004041	.61	<.1	.55	4.3	.3	1.2	.06	.3	2.16	32.3	<.02	<1	12.7
RSHS-004048	.73	<.1	.54	4.4	1.1	.4	.03	2.7	4.99	34.6	.02	1	51.6
RSHS-004038	.77	<.1	.57	5.7	1.4	.4	<.01	.6	5.38	52.8	.02	2	35.6
RE RSHS-004038	.79	<.1	.58	5.8	1.4	.4	<.01	.7	5.39	54.3	.02	<1	36.5
RSHS-004051	.93	<.1	.45	4.2	.6	.5	.03	.4	3.55	30.6	.02	<1	39.2
RSHS-004046	.70	<.1	.45	4.0	.5	.3	.02	.4	2.45	19.8	.02	<1	25.5
RSHS-004042	.70	<.1	.49	4.5	1.1	.2	.01	2.4	4.64	52.1	.02	<1	44.4
RSHS-004049	.68	<.1	.34	4.0	.6	.3	.02	1.7	3.25	22.2	<.02	1	27.9
RSHS-004040	.62	<.1	.43	4.2	.3	.7	.05	.3	2.10	33.0	<.02	1	10.6
RSHS-004045	.68	<.1	.27	4.4	.4	.2	.03	1.1	2.62	17.3	.02	<1	21.3
GSMS-004000	1.85	<.1	.73	4.2	.8	.3	.01	.9	2.81	34.9	<.02	<1	33.4
GSMS-003995	3.76	<.1	.29	3.4	.4	.3	.02	.6	5.63	50.4	<.02	2	10.5
GSMS-003998	.75	<.1	.36	2.8	.5	.2	.02	.6	2.71	26.6	<.02	<1	21.3
GSMS-003988	1.18	<.1	.53	4.8	1.1	<.1	<.01	2.2	4.10	53.9	<.02	<1	35.9
GSMS-003994	1.18	<.1	.19	2.3	.7	<.1	.02	1.3	3.87	44.6	<.02	<1	30.0
GSMS-003997	4.92	<.1	.31	5.8	.6	.3	.02	.6	10.60	92.0	.02	3	27.7
GSMS-003992	2.59	<.1	.24	3.4	1.1	<.1	.02	1.0	8.74	84.2	<.02	1	33.2
GSMS-003999	1.05	.1	.54	5.4	8.8	1.3	<.01	42.9	14.60	29.9	.06	3	10.0
GSMS-003996	2.84	<.1	.23	3.2	.3	.2	.03	.7	5.84	52.0	<.02	<1	13.8
STANDARD DS2	2.49	<.1	2.00	14.7	3.1	25.0	.04	4.0	7.66	32.6	5.25	2	13.1

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

Data FA

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-003987	1.77	<.1	.21	2.2	.3	.7	.03	.4	6.93	71.4	<.02	<1	10.5
GSMS-003990	2.72	<.1	.33	4.3	1.0	1.0	.04	1.3	10.09	101.6	<.02	<1	22.9
GSMS-003993	1.30	.1	.25	3.0	.9	.5	.01	1.2	5.04	51.4	<.02	<1	29.4
GSMS-003991	.85	<.1	.10	1.2	1.0	.3	.01	1.7	4.21	35.0	<.02	<1	38.2
GSMS-003989	1.48	<.1	.34	2.9	1.0	.3	.02	1.4	3.18	66.2	<.02	<1	34.1
GSMS-004005	.50	<.1	.32	4.4	.5	.3	.03	.5	1.78	19.7	<.02	<1	16.0
GSMS-004026	.08	<.1	.40	.5	.3	.4	.03	.8	4.49	26.9	<.02	<1	.5
GSMS-004018	.85	<.1	.53	4.1	.6	1.1	.05	.7	5.31	42.4	<.02	<1	12.3
GSMS-004003	1.49	<.1	.60	4.5	1.2	.4	.03	1.7	7.64	64.3	.02	1	46.7
GSMS-004014	.91	<.1	.94	6.0	.9	.7	.04	.3	3.08	32.7	.02	<1	23.9
GSMS-004032	.56	<.1	.36	4.8	.8	.3	.01	1.4	3.16	44.1	<.02	<1	31.3
GSMS-004009	.82	.1	.41	3.1	1.4	.9	.02	2.7	4.76	45.8	<.02	<1	43.0
GSMS-004001	1.78	<.1	.47	4.2	.6	.4	.01	.6	2.38	32.2	<.02	<1	28.8
RE GSMS-004012	.26	<.1	.17	1.2	.4	.2	.01	1.1	2.91	22.8	<.02	<1	9.0
GSMS-004012	.26	<.1	.18	1.3	.5	.1	<.01	1.0	3.01	23.6	<.02	<1	8.7
GSMS-004007	.61	<.1	.28	2.0	1.1	.2	.02	4.0	5.81	44.2	.02	<1	45.8
GSMS-004029	.42	<.1	.20	2.7	.6	.2	<.01	.5	2.73	46.3	<.02	<1	18.9
GSMS-004023	1.11	<.1	.27	4.8	.6	.3	.02	.9	3.02	46.0	.02	1	25.3
GSMS-004016	.96	<.1	.72	6.2	1.1	.5	.02	1.2	3.01	36.1	.02	<1	38.0
GSMS-004006	.76	<.1	.51	2.9	1.1	.3	.03	2.7	4.52	37.6	.02	<1	43.7
GSMS-004027	.08	<.1	.23	.7	.3	<.1	<.01	.7	.60	5.3	<.02	<1	.4
GSMS-004031	.41	<.1	.37	3.3	.9	.3	<.01	1.3	2.67	46.1	<.02	<1	35.3
GSMS-004017	1.48	<.1	.40	4.1	.7	.4	.02	.5	3.30	37.8	.03	<1	36.0
GSMS-004004	1.22	<.1	.60	5.8	1.3	.4	.01	1.7	6.20	55.0	.02	<1	44.5
GSMS-004024	.75	<.1	.21	4.0	.2	.3	.03	.3	1.30	15.6	<.02	<1	10.0
GSMS-004019	1.45	<.1	.57	4.2	1.7	.5	.01	3.4	17.70	120.4	.02	<1	36.0
GSMS-004030	.52	<.1	.35	3.8	.6	.2	<.01	1.1	2.55	37.4	<.02	<1	26.7
GSMS-004002	3.77	<.1	.65	4.5	1.0	.3	<.01	.8	3.44	50.9	<.02	<1	46.6
GSMS-004013	.93	<.1	.43	5.6	.7	.4	.04	.5	2.73	23.6	.02	<1	36.7
GSMS-004008	.68	<.1	.55	3.4	1.4	.3	.01	2.2	5.50	47.5	.02	1	42.4
GSMS-004015	.77	<.1	.57	5.2	.8	.3	.02	.4	2.87	33.5	.02	<1	36.3
GSMS-004010	.67	<.1	.55	3.9	1.0	.3	.01	1.3	4.41	33.8	<.02	<1	20.8
GSMS-004028	1.23	<.1	.17	3.0	.3	.3	.04	.6	17.00	77.3	<.02	<1	4.1
GSMS-004021	.76	<.1	.58	4.0	1.3	.3	<.01	2.5	6.80	50.6	<.02	<1	29.5
STANDARD DS2	2.53	<.1	2.05	14.7	3.3	26.1	.03	4.1	7.74	32.7	5.64	<1	13.6

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

Data 1 FA ___

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-004025	.85	<.1	.63	4.2	.4	.6	.04	.3	3.16	30.5	.02	<1	14.7
GSMS-004011	.68	.1	1.09	2.5	1.5	.6	<.01	7.3	3.64	36.6	.03	<1	43.3
GSMS-004022	.98	<.1	.42	4.1	1.0	.3	.02	2.3	5.31	42.6	.02	<1	26.5
GSMS-004020	.78	<.1	.47	3.9	1.4	.4	<.01	3.3	7.92	52.3	.02	1	35.7
SDWS-003981	1.76	<.1	.19	2.8	1.7	.3	<.01	7.8	6.92	98.4	.04	<1	80.3
SDWS-003946	.88	<.1	.19	3.4	.2	.3	<.01	.1	2.07	35.1	<.02	<1	9.7
SDWS-003965	.99	<.1	.58	2.4	1.2	.3	.02	4.1	11.16	62.3	.02	1	38.0
SDWS-003963	.64	<.1	.42	3.0	1.1	.4	.01	4.9	7.32	38.6	<.02	<1	44.2
SDWS-003959	1.01	.1	.70	4.8	1.4	.3	.01	4.5	6.51	48.3	.02	<1	48.9
SDWS-003955	.51	<.1	.47	3.9	.4	.5	.01	.5	1.95	27.3	<.02	<1	23.3
SDWS-003953	2.09	<.1	.32	3.0	.3	.3	.01	1.4	4.37	53.3	<.02	<1	15.7
SDWS-003961	.66	.1	.36	3.4	1.4	.3	<.01	3.8	7.81	54.4	.02	<1	52.8
SDWS-003957	1.57	<.1	.91	6.9	1.2	.4	<.01	.9	8.81	55.2	.02	<1	40.8
SDWS-003977	.84	<.1	.47	3.4	.1	.5	.06	.6	2.04	17.8	.02	<1	12.3
RE SDWS-003956	.81	<.1	1.05	4.5	.7	.3	.01	.4	2.81	35.5	.02	<1	31.3
SDWS-003949	.61	<.1	.42	2.6	.6	.1	<.01	.4	2.11	40.6	<.02	<1	17.6
SDWS-003973	.65	<.1	.45	3.5	1.1	.4	.02	3.7	5.45	37.9	.02	<1	38.2
SDWS-003975	1.22	<.1	.51	5.4	.4	.7	.04	.2	3.33	25.6	.02	<1	26.5
SDWS-003956	.81	<.1	.81	4.2	.7	.3	.01	.6	2.80	35.0	.02	<1	30.5
SDWS-003960	.62	<.1	.34	3.3	1.3	.3	<.01	4.1	7.41	52.0	<.02	<1	52.5
SDWS-003966	1.03	.2	.49	5.2	9.4	1.3	<.01	48.8	13.94	29.6	.06	<1	9.5
SDWS-003948	1.49	<.1	.40	4.9	.5	.3	<.01	.6	2.67	39.8	<.02	<1	14.7
SDWS-003952	.65	<.1	.21	2.5	.3	.2	<.01	.3	2.23	28.5	<.02	<1	11.2
SDWS-003962	.59	<.1	.38	2.8	.9	.2	<.01	2.6	5.53	34.8	<.02	<1	35.1
SDWS-003968	.84	<.1	.47	4.0	.9	.3	<.01	1.8	6.99	39.1	.02	2	20.1
SDWS-003979	.60	<.1	.19	3.4	.2	.3	.05	1.5	1.40	11.1	.02	<1	17.6
SDWS-003954	.75	<.1	.78	3.5	.6	.3	<.01	.7	2.16	33.6	<.02	<1	25.0
SDWS-003951	.54	<.1	.29	2.4	.5	.2	<.01	.8	5.03	46.9	<.02	<1	17.2
SDWS-003964	.45	<.1	.44	2.3	.5	.2	.02	1.9	3.44	19.2	<.02	<1	20.2
SDWS-003969	.60	<.1	.38	2.9	1.1	.4	<.01	3.2	8.65	46.5	.02	<1	43.7
SDWS-003947	.91	<.1	.32	3.6	.2	.5	<.01	.1	2.17	43.2	<.02	<1	1.8
SDWS-003976	.94	<.1	.27	3.6	.3	.3	.02	1.1	2.53	19.2	.02	<1	27.6
SDWS-003980	1.66	.1	.19	2.7	1.6	.3	<.01	8.8	5.99	88.4	.03	<1	80.8
SDWS-003967	1.25	.1	.83	3.4	1.9	.6	.06	8.9	13.99	66.7	.05	2	29.1
STANDARD DS2	2.55	<.1	2.04	15.5	3.3	24.4	.01	4.4	7.77	32.5	5.70	1	14.3

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

Data 4 FA ___

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-003972	.78	<.1	.15	2.6	.5	.2	.03	.9	5.13	32.6	<.02	<1	17.5
SDWS-003945	2.41	<.1	.44	4.8	.9	.3	.02	.5	4.54	54.8	.02	<1	39.4
SDWS-003974	.85	<.1	.13	4.3	.5	.3	.02	.2	2.64	19.8	<.02	<1	28.1
SDWS-003958	2.36	<.1	.59	6.9	1.3	.4	.04	1.7	15.79	87.6	.02	<1	45.3
SDWS-003978	.69	.1	.14	4.4	.9	.2	.03	2.6	4.44	41.3	.03	<1	65.4
SDWS-003971	1.63	<.1	.32	6.1	1.3	.4	.03	1.1	14.87	49.6	.03	<1	45.1
SDWS-003982	.32	<.1	<.02	1.7	.3	.1	.01	.3	1.41	7.5	<.02	<1	8.5
SDWS-003970	.76	<.1	.34	5.9	.7	.3	.02	.6	3.81	25.2	.02	<1	20.4
RE SDWS-003970	.80	<.1	.37	6.1	.8	.3	.01	.5	3.98	26.1	.02	<1	20.8
SDWS-003950	.55	<.1	.05	2.2	1.1	.1	<.01	2.0	5.37	63.3	.02	<1	39.9
STANDARD DS2	2.75	<.1	1.97	15.1	3.5	23.7	.02	4.8	8.14	30.9	5.65	<1	13.5

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

Data A FA ___

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.)
852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2316 File # 9903382 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
MDBS-003072	.52	59.99	43.41	128.2	102	54.3	20.5	688	4.93	119.5	2.7	35.3	8.4	10.5	.06	1.25	.49	21	.05	.039	3.7	42.7	1.11	27.3	.001	1	2.45	.009	.03	<.2	.03	11	.3	.08	8.8
MDBS-003190	.65	46.72	33.20	89.5	56	39.8	23.1	579	3.63	106.2	1.2	21.0	9.8	15.4	.05	1.09	.75	11	.09	.046	22.6	18.3	.84	25.1	.004	1	1.55	.006	.05	<.2	.02	8	.3	.37	4.5
MDBS-003075	1.11	55.96	59.72	78.2	64	41.6	55.7	1063	3.33	32.2	.9	4.3	6.9	23.5	.04	2.38	.48	9	.15	.050	18.1	18.1	1.02	38.7	.001	1	1.51	.003	.02	<.2	.03	15	.3	.18	4.4
MDBS-003081	.82	59.87	47.63	117.7	95	51.3	34.1	1017	4.72	68.8	2.2	9.4	5.2	8.6	.07	2.23	.64	17	.02	.070	16.1	35.8	1.05	21.4	.002	1	2.16	.007	.03	<.2	.03	37	.4	.13	7.8
MDBS-003192	10.82	47.58	45.10	101.2	461	39.8	18.8	795	3.24	175.1	2.9	24.6	10.0	10.5	.64	6.70	.48	6	.24	.062	11.2	3.2	.15	21.0	.001	1	.39	.004	.02	<.2	.12	43	1.2	.09	.8
MDBS-003074	.32	30.96	21.49	84.1	46	32.4	17.1	483	3.12	38.0	1.3	5.1	9.0	12.5	.05	.82	.38	10	.07	.044	21.2	17.5	.62	19.2	.005	1	1.36	.006	.02	<.2	.02	11	.3	.07	3.9
MDBS-003078	.64	13.46	5.99	30.1	46	10.4	5.2	125	1.58	66.4	.5	9.4	.5	3.5	.04	.42	.32	12	.01	.066	7.1	1.1	.20	17.7	.008	<1	.80	.015	.02	<.2	.03	35	.3	.06	3.6
MDBS-003198	.81	34.92	54.53	76.5	127	24.4	33.9	1375	2.91	98.4	1.8	21.4	3.4	4.9	.08	1.64	.56	20	.02	.088	13.4	15.2	.46	29.6	.007	<1	1.42	.008	.03	<.2	.08	50	.5	.15	5.4
MDBS-003188	.97	26.52	28.84	79.3	78	31.4	14.6	405	3.50	50.1	1.1	3.1	4.2	16.2	.11	1.59	.40	17	.09	.089	12.4	21.4	.59	21.7	.009	<1	1.46	.004	.03	<.2	.05	50	.6	.06	4.9
MDBS-003082	.85	41.98	43.33	89.8	98	40.7	24.5	661	3.55	178.6	2.5	22.2	5.7	20.9	.04	2.16	.46	10	.11	.039	16.6	19.6	.71	18.0	.001	<1	1.54	.003	.04	<.2	.03	18	.3	.08	4.4
MDBS-003187	.67	43.60	35.20	103.2	58	44.9	26.2	652	3.86	28.0	1.7	2.3	6.9	44.8	.09	1.19	.48	13	.18	.114	16.8	21.8	.67	26.6	.003	1	1.64	.006	.06	<.2	.03	38	.4	.06	4.9
MDBS-003070	.51	58.50	39.69	109.7	46	45.1	25.4	1098	4.14	16.5	1.1	.6	6.8	5.7	.05	.42	.71	18	.07	.046	21.7	32.9	1.13	16.5	.005	1	2.20	.008	.02	<.2	.04	22	.2	.21	6.3
MDBS-003080	.88	66.59	62.53	123.6	91	54.7	44.7	1364	5.03	76.2	2.7	19.8	5.8	8.5	.08	2.39	.77	18	.03	.072	13.5	40.3	1.19	25.2	.002	1	2.44	.007	.03	<.2	.04	44	.5	.16	7.8
RE MDBS-003070	.58	57.84	41.19	107.0	46	42.6	24.9	1095	4.09	16.2	1.2	1.4	6.3	5.6	.04	.40	.43	17	.07	.047	19.7	32.4	1.14	16.2	.005	<1	2.23	.009	.02	<.2	.02	19	.3	.10	6.4
MDBS-003077	.56	38.14	36.19	67.0	90	27.8	20.6	690	2.88	115.3	1.5	29.7	2.2	16.6	.04	1.04	.45	11	.10	.063	6.6	11.0	.58	44.6	.002	<1	1.48	.009	.04	<.2	.04	43	.5	.13	3.8
MDBS-003191	10.36	50.46	29.74	104.7	265	44.1	21.2	949	3.78	80.5	1.8	4.5	9.7	15.3	.54	3.74	.43	8	.37	.055	12.0	7.8	.42	24.3	.003	<1	.69	.007	.04	<.2	.10	34	.8	.12	1.6
MDBS-003069	1.06	68.53	42.28	114.1	78	45.7	30.6	743	4.13	27.4	2.0	5.1	9.6	16.6	.06	.84	.63	15	.11	.042	21.3	26.8	1.09	22.5	.004	<1	2.17	.008	.03	<.2	.03	21	.4	.11	5.7
MDBS-003071	.98	67.82	60.10	134.8	49	56.9	54.2	1651	5.15	38.4	3.8	3.6	6.7	7.3	.09	2.80	.49	20	.03	.055	21.1	42.2	1.15	28.9	.004	<1	2.45	.005	.03	<.2	.05	32	.4	.11	7.7
MDBS-003073	.53	55.78	34.88	134.5	44	59.0	33.9	1181	5.24	68.4	2.7	10.9	8.0	7.1	.05	.91	.47	22	.04	.042	9.6	46.8	1.35	21.2	.002	1	2.77	.010	.02	<.2	.03	15	.3	.09	9.0
MDBS-003189	.55	37.35	35.11	95.8	59	39.9	22.2	432	3.70	45.6	1.5	4.7	7.2	12.5	.07	1.46	.40	14	.05	.044	19.2	17.5	.70	29.6	.004	<1	1.71	.004	.03	<.2	.03	18	.3	.06	4.5
MDBS-003079	.64	56.76	39.45	124.0	41	57.3	32.6	1599	5.07	65.5	1.5	9.1	6.2	4.9	.05	.83	.48	20	.05	.069	11.0	38.1	1.40	22.3	.002	1	2.67	.010	.03	<.2	.02	18	.2	.11	7.8
MDBS-003193	.54	49.20	59.40	82.3	113	31.2	34.3	1079	2.97	292.5	2.0	47.8	11.4	7.5	.09	1.76	.30	9	.04	.043	16.6	10.5	.42	42.0	.004	<1	1.39	.011	.03	<.2	.05	13	.4	.02	3.3
MDBS-003076	1.40	58.79	42.19	115.0	184	71.9	32.3	1171	4.26	121.6	1.0	22.0	6.5	12.6	.22	2.56	.41	13	.32	.073	13.9	26.8	.76	29.7	.002	<1	1.38	.006	.02	.9	.02	24	.2	.09	3.4
RSHS-002647	.81	22.20	22.01	59.2	87	8.4	4.1	253	3.66	171.3	1.0	4.2	12.3	3.9	.03	.32	.35	13	.01	.029	23.8	19.5	.63	23.1	.008	<1	1.51	.005	.02	3.6	.03	18	.4	.04	5.0
RSHS-003906	.92	19.05	21.84	54.2	52	9.5	3.8	244	2.99	118.9	1.0	6.9	2.8	5.4	.02	.42	.42	20	.02	.045	14.9	19.1	.63	28.6	.020	1	1.61	.007	.04	1.5	.04	23	.5	.04	5.7
RSHS-003903	.74	16.50	12.25	54.7	116	11.7	4.9	279	3.99	104.5	.7	7.3	6.2	3.1	.05	.40	.36	20	.01	.028	16.7	21.9	.61	30.0	.012	<1	1.66	.005	.03	1.3	.03	23	.3	.04	6.4
RSHS-003911	.83	21.26	19.12	48.7	68	12.7	4.8	248	2.80	30.2	.9	7.4	3.0	3.9	.03	.38	.35	17	.02	.042	21.9	14.7	.49	21.7	.016	<1	1.35	.010	.02	.4	.04	25	.5	.06	4.8
RSHS-002649	.55	6.77	9.03	27.1	103	4.8	2.1	134	1.51	45.1	.4	5.9	4.3	2.8	.01	.14	.19	10	.01	.014	19.5	8.1	.32	18.8	.007	<1	.91	.002	.02	.8	.04	19	.2	.02	4.1
RSHS-002651	.56	21.99	13.50	44.5	159	13.9	4.8	238	2.70	69.7	.8	11.4	2.6	3.0	.02	.25	.27	15	.01	.056	17.4	17.9	.50	38.1	.007	<1	1.45	.010	.03	.8	.03	25	.3	.03	5.2
RSHS-003904	.61	12.18	12.46	34.1	120	6.9	2.9	183	2.47	71.9	.6	6.3	3.6	2.8	.02	.26	.30	15	.01	.034	18.0	14.3	.40	21.8	.008	2	1.22	.005	.03	1.0	.03	21	.3	.04	5.3
RSHS-003908	1.04	20.28	23.60	44.9	127	7.1	3.2	229	4.30	627.9	1.0	272.3	2.4	5.1	.03	.51	.38	18	.01	.057	14.2	18.4	.46	24.9	.014	<1	1.68	.005	.02	4.0	.03	33	.6	.03	6.0
RSHS-003912	1.28	54.93	28.20	50.2	232	12.6	6.4	230	4.01	22.7	2.0	2.3	10.3	10.8	.05	.49	.44	15	.02	.072	59.5	18.7	.41	30.1	.021	<1	1.89	.013	.03	.8	.04	31	.7	.04	4.4
RSHS-002648	.74	17.19	20.43	45.7	99	6.9	4.5	189	3.12	49.8	.6	2.6	8.4	3.0	.02	.18	.31	13	<.01	.020	21.1	10.2	.34	20.6	.004	<1	1.19	.007	.02	.6	.03	23	.3	.03	4.5
RSHS-002652	.94	18.68	18.14	49.1	63	8.4	3.7	232	4.61	170.0	.8	15.5	5.1	3.3	.02	.47	.45	26	.01	.038	14.9	20.6	.50	25.2	.017	<1	1.49	.005	.03	1.3	.04	26	.4	.03	7.6
STANDARD DS2	13.76	121.61	28.53	161.6	268	34.5	13.1	768	2.96	61.3	20.0	187.9	3.2	29.3	11.19	9.86	10.24	76	.51	.076	14.6	158.1	.55	138.6	.115	2	1.61	.038	.15	6.9	1.95	246	2.4	1.85	5.8

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 9 1999 DATE REPORT MAILED: Sept 20/99 SIGNED BY..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.) 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2316 File # 9903382 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
MDBS-003072	3.81	<.1	.04	3.1	2.2	.5	.01	5.1	2.42	9.1	.02	<1	90.9
MDBS-003190	.58	.1	.06	3.1	1.7	.6	<.01	9.1	3.12	39.4	<.02	<1	50.5
MDBS-003075	.71	.1	.16	1.8	1.8	.2	<.01	6.9	5.73	32.4	.02	<1	63.2
MDBS-003081	2.62	<.1	.10	3.0	1.6	.4	.05	8.7	2.98	28.2	.03	<1	90.2
MDBS-003192	.64	<.1	.05	1.8	3.0	.3	.05	9.2	12.51	21.6	.03	2	4.6
MDBS-003074	.53	<.1	.10	2.3	1.1	.2	.02	3.1	3.82	39.9	<.02	<1	48.0
MDBS-003078	.91	<.1	.26	3.5	.4	.2	.06	1.1	1.12	12.9	<.02	<1	14.7
MDBS-003198	1.74	<.1	.34	5.4	.8	.6	.05	2.8	3.36	26.8	.02	<1	38.1
MDBS-003188	.68	<.1	.47	4.1	.9	.3	.06	4.0	3.12	23.6	.02	<1	44.1
MDBS-003082	1.02	<.1	.05	2.7	1.1	.3	.03	5.2	3.33	29.6	.02	<1	56.7
MDBS-003187	.86	<.1	.12	3.7	.9	.7	.03	5.5	5.06	31.3	.02	<1	51.6
MDBS-003070	.91	.1	.15	2.2	1.3	.4	<.01	4.7	3.28	41.8	<.02	<1	83.6
MDBS-003080	2.77	.1	.12	2.7	1.6	.5	.05	12.3	3.20	24.7	.03	<1	92.5
RE MDBS-003070	.89	.1	.09	2.0	1.3	.2	<.01	4.8	3.04	34.4	.02	<1	80.7
MDBS-003077	1.69	<.1	.18	5.6	.9	.3	.04	5.1	4.24	11.7	.02	<1	35.4
MDBS-003191	.42	<.1	.09	2.5	3.7	.3	.02	19.6	13.58	22.4	.04	<1	17.0
MDBS-003069	.81	.1	.04	2.4	1.6	.4	.01	4.6	4.19	37.4	.02	1	70.2
MDBS-003071	2.81	<.1	.18	3.0	1.8	.6	.02	11.5	3.14	37.5	.03	<1	89.3
MDBS-003073	2.73	.1	.06	3.0	2.2	.3	<.01	6.4	2.32	20.6	.02	<1	93.6
MDBS-003189	.99	<.1	.14	3.5	1.0	.2	.02	4.8	3.23	35.8	.02	<1	48.7
MDBS-003079	1.46	<.1	.06	2.6	1.8	.4	.02	11.4	2.62	20.5	.02	<1	93.9
MDBS-003193	1.11	<.1	.12	3.5	1.2	.5	.02	2.1	3.68	32.4	.02	<1	25.0
MDBS-003076	.59	<.1	.08	1.7	3.4	.2	.03	7.6	10.98	25.3	.03	<1	41.0
RSHS-002647	.67	<.1	.58	3.2	.8	.2	.02	1.0	4.11	45.8	<.02	<1	29.4
RSHS-003906	1.42	<.1	.54	6.1	.8	.4	.03	.3	3.04	28.1	.02	<1	32.7
RSHS-003903	.61	<.1	.82	4.2	.8	.3	.02	.8	2.45	31.9	<.02	<1	34.2
RSHS-003911	.95	<.1	.48	3.7	.6	.3	.04	.3	5.39	36.7	<.02	<1	26.3
RSHS-002649	.63	<.1	.45	3.1	.4	.3	.02	.5	2.46	35.9	<.02	<1	14.8
RSHS-002651	.69	<.1	.38	3.7	.5	.3	.02	1.0	2.59	33.7	<.02	<1	29.4
RSHS-003904	.66	<.1	.50	4.5	.5	.3	.02	.4	2.32	33.0	<.02	<1	21.6
RSHS-003908	.61	<.1	.80	3.1	.5	.4	.05	.4	2.99	24.5	.02	<1	27.1
RSHS-003912	1.26	<.1	.78	3.3	1.0	.4	.07	2.8	34.70	154.4	<.02	<1	24.0
RSHS-002648	1.75	<.1	.62	4.0	.6	.1	<.01	2.5	3.44	40.1	<.02	<1	25.6
RSHS-002652	.67	<.1	1.09	4.3	.7	.3	.03	.3	2.34	27.5	<.02	<1	29.2
STANDARD DS2	2.91	<.1	2.12	14.6	3.1	25.3	.02	4.2	8.29	28.3	5.51	<1	13.5

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.
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DATE RECEIVED: SEP 9 1999 **DATE REPORT MAILED:** Sept 20/99 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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ACME ANALYTICAL

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2316 FILE # 9903382 Page 2 (a)

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
RSHS-003907	.64	7.92	11.98	28.9	71	5.0	2.2	145	1.80	86.3	.6	30.0	.8	5.0	.02	.23	.37	12	.03	.037	8.8	11.0	.35	25.1	.010	2	.95	.013	.03	1.4	.03	21	.3	.03	3.7
RSHS-003910	.98	26.66	25.00	59.3	41	10.6	4.1	316	4.44	142.9	1.0	6.3	8.7	4.1	.02	.51	.51	19	.01	.050	12.9	26.2	.67	28.3	.017	1	1.66	.007	.03	2.9	.03	22	.5	.06	5.7
RSHS-003905	.66	38.77	19.20	82.5	34	17.8	7.4	404	4.09	151.1	1.6	15.6	15.6	4.0	.05	.50	.43	17	.01	.031	22.3	39.2	.92	37.7	.010	1	2.26	.006	.05	1.0	.03	12	.4	.05	5.7
RSHS-003909	.80	25.39	21.68	61.4	40	9.3	4.3	323	3.82	196.4	1.1	27.9	12.0	5.3	.04	.42	.36	16	.01	.038	16.7	30.7	.76	37.0	.019	1	1.86	.006	.04	2.5	.03	20	.4	.05	5.0
RSHS-002650	.63	29.39	19.43	69.8	35	13.0	5.0	304	3.56	132.8	1.4	6.6	14.6	4.6	.02	.24	.31	13	<.01	.024	26.2	27.1	.73	19.9	.008	<1	1.56	.004	.03	.7	.02	9	.2	.04	4.3
DHSS-003668	.65	39.92	34.16	98.0	124	42.4	25.1	1176	3.86	89.0	2.2	32.3	5.8	9.0	.14	.78	.39	12	.19	.075	10.2	21.4	.60	22.3	.001	<1	1.58	.012	.05	<.2	.03	25	.2	.04	4.1
DHSS-003676	.46	10.57	8.34	15.9	472	4.3	1.6	68	.94	15.0	.6	1.0	.5	3.8	.03	.10	.13	9	.01	.045	10.8	9.5	.16	16.9	.005	<1	.54	.014	.03	.3	.03	25	.1	.02	2.6
DHSS-003670	1.24	78.75	48.34	100.2	93	46.2	37.5	3295	4.88	49.2	3.1	2.8	4.9	10.3	.12	2.59	.85	19	.05	.089	21.1	25.2	.94	20.6	.007	<1	1.79	.010	.03	<.2	.07	37	.4	.17	5.5
DHSS-003684	.90	25.62	20.84	57.1	36	15.2	5.8	253	2.76	82.6	1.1	4.8	4.7	5.5	.05	.41	.35	19	.03	.049	13.5	25.3	.54	26.7	.017	<1	1.40	.009	.04	1.2	.03	23	.4	.07	4.7
DHSS-003677	.73	27.15	17.69	51.9	91	9.0	3.6	246	3.07	94.4	1.1	3.7	8.2	3.3	<.01	.28	.35	15	.01	.033	25.5	23.9	.55	16.6	.006	<1	1.26	.004	.03	.9	.04	15	.3	.05	4.6
DHSS-003659	1.30	47.83	30.83	85.6	117	41.0	22.7	607	3.58	110.5	1.3	21.4	9.9	24.2	.09	.91	.51	11	.20	.039	20.7	24.5	1.04	22.5	.001	<1	1.74	.006	.05	<.2	.03	10	.2	.14	4.5
DHSS-003663	.97	51.38	31.61	115.1	70	51.9	19.9	861	4.55	64.9	1.6	9.4	5.7	8.9	.12	.76	.77	18	.10	.056	10.9	43.3	1.23	15.9	.002	<1	2.44	.006	.04	<.2	.03	49	.2	.19	7.1
DHSS-003654	1.89	28.65	18.51	69.2	254	33.0	14.5	862	3.42	34.1	.5	3.0	1.9	9.7	.14	.86	.43	19	.17	.135	7.1	33.4	.72	61.7	.004	1	1.52	.006	.03	<.2	.04	64	.3	.09	5.2
DHSS-003673	.50	66.35	60.40	123.7	497	43.2	21.9	592	4.04	794.3	1.6	196.3	8.7	50.7	.25	2.48	.70	10	.78	.052	12.4	22.9	.62	38.6	.001	<1	1.57	.006	.04	<.2	.03	42	.4	.12	4.0
DHSS-003666	1.13	34.01	8.85	56.1	29	14.4	15.2	547	4.40	5.3	.6	<.2	2.8	54.4	.12	.20	1.49	176	.52	.044	11.8	56.1	.66	102.3	.540	3	4.85	.179	.07	<.2	.19	54	.5	.66	11.3
DHSS-003682	.49	8.64	8.20	15.2	268	3.2	1.6	75	1.32	31.3	.6	2.0	.3	3.0	.02	.20	.26	14	.01	.049	7.7	9.0	.13	14.7	.008	<1	.74	.017	.02	.5	.03	32	.2	.06	3.5
DHSS-003660	3.25	57.70	36.05	95.7	307	42.8	22.2	828	3.48	81.0	1.5	17.0	9.2	17.5	.56	1.35	.49	15	.24	.051	14.6	26.6	1.03	24.1	.001	1	1.66	.005	.03	<.2	.04	28	1.0	.08	4.1
DHSS-003678	.74	19.55	13.37	40.5	136	7.2	3.0	175	2.45	59.8	.6	3.6	4.3	4.2	.02	.17	.29	12	.01	.036	17.7	17.0	.43	12.9	.009	<1	.99	.007	.02	.7	.02	20	.3	.06	3.9
DHSS-003686	.77	23.28	16.46	37.6	36	9.8	4.8	170	2.07	39.7	.9	16.2	2.5	6.8	.03	.35	.29	16	.06	.052	10.4	14.8	.36	21.5	.022	<1	1.09	.017	.02	.5	.03	19	.4	.04	3.3
RE DHSS-003678	.74	19.82	14.54	39.1	144	6.7	3.0	174	2.42	59.4	.6	.9	4.3	4.4	.02	.17	.29	12	.01	.036	18.0	17.3	.45	13.6	.009	<1	1.04	.008	.02	.8	.02	22	.3	.03	4.0
DHSS-003655	12.23	48.95	25.62	82.5	335	38.4	13.1	400	3.36	63.3	1.1	6.7	4.0	13.4	.22	3.77	.47	11	.54	.065	9.9	15.9	.47	26.9	.001	<1	.97	.005	.02	<.2	.09	43	.8	.09	2.3
DHSS-003658	.43	43.95	29.81	79.6	52	39.3	22.0	724	3.76	33.3	.8	1.5	12.1	17.9	.04	.50	.46	11	.09	.038	29.0	36.3	1.12	17.8	.002	<1	1.93	.006	.04	<.2	.02	11	.1	.15	4.9
DHSS-003667	.71	40.62	44.02	67.7	213	22.2	12.9	1168	3.96	25.1	1.7	2.8	1.7	3.6	.10	.83	.47	18	.02	.227	5.8	28.2	.39	36.5	.006	<1	1.28	.005	.03	<.2	.04	75	.5	.09	5.6
DHSS-003671	1.04	40.35	28.83	92.0	106	41.5	19.3	692	3.92	76.2	1.9	12.0	5.9	5.2	.08	.87	.42	16	.06	.055	12.8	29.7	.98	25.3	.003	<1	2.02	.004	.02	<.2	.03	22	.3	.07	5.7
DHSS-003653	.46	52.54	56.75	122.2	181	42.2	21.1	789	3.99	541.7	1.4	65.5	11.0	16.2	.11	1.33	.52	13	.06	.041	25.0	27.5	.99	36.4	.001	<1	1.95	.004	.04	<.2	.02	12	.2	.09	4.9
DHSS-003685	.74	22.92	18.24	39.6	50	10.2	3.7	159	2.14	64.2	1.1	2.7	3.2	5.1	.07	.39	.27	13	.02	.056	16.6	16.2	.38	36.7	.014	1	1.30	.011	.03	1.2	.04	31	.5	<.02	3.7
DHSS-003657	.66	32.67	26.64	69.4	41	23.5	9.4	261	3.07	72.9	1.1	7.4	4.3	4.0	.06	1.34	.44	16	.02	.074	11.3	15.6	.41	22.8	.007	1	1.22	.006	.04	<.2	.04	35	.4	.07	3.8
DHSS-003687	1.34	56.01	28.47	64.7	64	19.6	8.7	306	3.55	172.4	2.5	9.2	6.9	6.4	.03	.63	.46	20	.03	.068	29.9	21.6	.54	20.3	.021	<1	1.83	.008	.03	.9	.05	31	.8	.05	4.6
[illegible]-003681	.67	16.40	14.18	43.4	71	15.1	4.4	234	3.02	47.6	.8	8.1	3.2	4.0	.03	.33	.34	17	.01	.049	16.4	21.2	.44	25.1	.008	<1	1.29	.004	.03	.7	.03	28	.4	.02	5.3
[illegible].-003675	.72	20.68	19.55	54.7	94	9.0	3.6	280	3.75	85.4	.8	3.1	11.3	2.8	.02	.35	.36	16	<.01	.024	15.4	24.8	.67	31.6	.010	<1	1.69	.005	.03	.9	.04	16	.2	.02	5.6
DHSS-003662	5.38	52.22	42.04	103.9	145	46.8	23.7	690	3.95	156.1	2.1	29.5	10.1	27.5	.20	1.82	.50	14	.33	.050	15.2	26.6	.92	26.2	.001	<1	1.75	.007	.04	<.2	.06	28	.7	.09	4.6
DHSS-003683	.69	18.76	15.45	35.5	35	5.7	2.7	158	2.42	183.6	.8	11.0	2.2	5.2	.02	.34	.30	18	.04	.048	14.7	15.5	.39	23.7	.013	<1	1.28	.009	.03	1.9	.03	24	.5	.03	4.4
DHSS-003669	.73	49.06	45.17	94.2	114	38.1	15.8	907	4.61	125.2	1.3	5.0	4.1	5.8	.09	1.17	.56	22	.02	.117	12.3	44.0	1.01	26.1	.004	<1	2.21	.005	.03	<.2	.03	69	.2	.08	6.9
DHSS-003672	1.09	57.54	53.02	121.0	372	45.6	20.9	451	4.18	504.0	1.7	163.3	9.4	29.4	.21	2.30	.64	13	.42	.059	16.9	25.3	.74	30.0	.001	<1	1.73	.005	.03	<.2	.03	27	.4	.08	4.4
STANDARD DS2	13.59	133.67	30.47	169.6	255	38.1	12.6	848	3.24	61.5	20.3	202.6	3.4	29.8	11.40	9.65	11.13	84	.56	.082	15.3	180.1	.62	149.0	.119	2	1.83	.043	.17	7.1	1.82	247	2.4	1.82	6.2

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

Data f FA ___

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-003907	.42	<.1	.36	3.7	.3	.5	.06	.2	1.57	16.1	<.02	<1	19.8
RSHS-003910	.56	<.1	.80	4.1	.8	.5	.02	.4	2.91	24.5	.02	<1	35.9
RSHS-003905	.50	<.1	.49	4.2	1.2	.4	<.01	3.8	3.94	45.2	.02	<1	55.0
RSHS-003909	.44	<.1	.82	3.9	.9	.3	<.01	.8	3.52	32.7	.02	<1	39.2
RSHS-002650	.79	<.1	.29	2.5	1.0	.3	<.01	1.6	3.89	52.6	<.02	<1	38.9
DHSS-003668	1.34	<.1	.08	3.2	1.5	.4	.01	3.1	4.62	19.6	.02	<1	37.5
DHSS-003676	.77	<.1	.16	3.2	.2	.4	.02	.5	2.08	21.1	<.02	<1	8.0
DHSS-003670	.98	.1	.11	3.0	1.9	.6	.01	3.1	4.54	38.7	.03	<1	60.1
DHSS-003684	.68	<.1	.80	4.2	.7	.4	.02	.6	4.02	28.1	<.02	<1	28.9
DHSS-003677	1.08	<.1	.44	4.0	.7	.2	<.01	.7	3.93	51.1	<.02	1	29.6
DHSS-003659	.69	<.1	.03	2.5	1.4	.3	<.01	12.4	3.84	35.8	.02	<1	53.9
DHSS-003663	1.17	<.1	.09	2.5	1.6	.9	.02	6.1	2.62	20.9	.02	<1	89.1
DHSS-003654	.66	<.1	.38	3.2	.9	1.8	.11	3.0	2.75	13.3	.02	<1	40.8
DHSS-003673	.65	<.1	.10	2.5	1.9	.4	.05	11.3	6.85	23.2	.03	<1	44.0
DHSS-003666	1.19	.2	1.08	5.4	9.4	2.6	<.01	49.9	16.50	31.1	.03	2	10.7
DHSS-003682	.59	<.1	.24	2.5	.1	.4	.03	.7	1.20	14.8	<.02	<1	6.9
DHSS-003660	.67	.1	.06	2.0	2.5	.3	<.01	8.8	7.15	27.7	.02	1	60.1
DHSS-003678	.48	<.1	.36	2.4	.5	.2	.02	.3	3.29	32.3	<.02	<1	24.9
DHSS-003686	.56	<.1	.37	3.1	.5	.3	<.01	.4	2.64	19.7	<.02	<1	19.0
RE DHSS-003678	.48	<.1	.37	2.5	.5	.2	.01	.3	3.36	32.9	<.02	<1	24.0
DHSS-003655	.30	<.1	.13	2.0	2.5	.3	.06	10.7	13.42	17.4	.03	<1	26.0
DHSS-003658	.79	<.1	.42	2.6	1.2	.6	<.01	10.9	3.33	47.5	.02	<1	68.6
DHSS-003667	1.86	<.1	.22	4.5	.7	.4	.14	3.1	1.90	10.5	.02	<1	25.3
DHSS-003671	1.30	<.1	.17	2.6	1.6	.3	.01	6.4	3.82	23.4	.02	1	68.5
DHSS-003653	1.22	<.1	.03	3.5	1.5	.3	<.01	4.4	3.97	44.9	.02	<1	60.0
DHSS-003685	.62	<.1	.69	3.6	.5	.3	.04	1.4	4.15	29.6	<.02	1	21.6
DHSS-003657	.83	<.1	.37	5.4	.9	.4	.04	3.1	1.97	20.8	.02	<1	21.8
DHSS-003687	1.36	<.1	.85	4.7	1.0	.5	.06	1.6	19.93	73.1	.02	1	30.2
DHSS-003681	1.25	<.1	.60	3.7	.6	.3	.02	1.1	2.35	32.7	<.02	<1	27.9
DHSS-003675	.86	<.1	.64	3.3	.8	.4	.01	1.8	3.00	30.6	<.02	<1	36.3
DHSS-003662	.91	<.1	.08	2.6	2.3	.3	.03	11.4	6.36	28.3	.03	2	53.5
DHSS-003683	.79	<.1	.34	3.7	.5	.3	.02	.8	2.58	27.3	<.02	<1	20.8
DHSS-003669	1.13	<.1	.29	3.2	1.4	.3	.08	9.4	2.34	22.0	.02	<1	67.0
DHSS-003672	.62	<.1	.08	2.3	2.2	.6	.03	9.4	6.58	30.4	.04	<1	50.0
STANDARD DS2	2.68	<.1	2.28	14.6	3.2	25.4	.02	4.1	8.18	31.0	5.53	2	13.7

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

Data 1 FA ___

ACME ANALYTICAL

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2316 FILE # 9903382 Page 3 (a)

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
DHSS-003665	.61	31.79	39.21	59.7	138	27.1	21.5	2271	3.46	54.6	1.2	12.4	1.2	4.1	.15	.64	.41	18	.04	.162	4.8	22.1	.57	30.1	.003	1	1.54	.008	.03	<.2	.03	63	.5	.05	5.9
DHSS-003680	.52	9.32	8.84	22.1	70	8.3	2.7	132	2.05	32.3	.6	17.9	.9	3.6	.03	.24	.29	13	.01	.045	14.4	11.5	.22	18.7	.005	1	.76	.002	.02	.4	.03	24	.4	.04	4.2
DHSS-003674	.44	51.70	40.64	93.2	259	38.4	17.7	431	3.64	391.4	1.6	37.8	6.9	58.6	.17	1.95	.45	11	.80	.070	12.1	12.6	.49	44.0	.001	1	1.39	.007	.04	<.2	.03	39	.6	.06	3.8
DHSS-003656	.53	29.93	32.99	85.9	56	35.0	35.2	949	4.03	534.5	1.2	44.5	7.7	16.5	.15	3.07	.34	10	.17	.082	18.2	12.2	.53	33.8	.002	1	1.34	.005	.07	<.2	.03	15	.4	.04	4.1
DHSS-003661	2.81	52.97	35.91	86.5	276	40.0	20.7	700	3.67	85.0	1.4	20.6	8.6	15.9	.44	1.39	.47	13	.24	.051	16.5	17.7	1.06	22.0	.002	1	1.76	.002	.04	<.2	.04	27	1.0	.09	4.7
DHSS-003679	.28	5.00	5.15	6.3	286	2.0	.8	36	.70	14.8	.3	3.8	.2	3.9	.03	.11	.15	7	.01	.032	7.1	1.3	.08	15.5	.005	<1	.38	.013	.02	.5	.02	25	.3	<.02	2.6
GWSS-003555	.91	56.89	48.50	78.4	50	47.6	47.6	1243	3.71	33.1	.7	9.8	6.5	27.2	.04	1.08	.83	10	.19	.053	13.3	19.7	1.14	26.2	.001	<1	1.69	.002	.02	.2	.04	20	.2	.30	4.7
GWSS-003567	.55	61.26	41.98	117.0	99	58.2	26.3	976	5.02	114.8	1.6	20.2	5.9	6.2	.07	.96	.57	19	.09	.054	16.9	37.3	1.32	16.5	.001	<1	2.60	.006	.03	<.2	.02	21	.2	.09	8.3
GWSS-003556	.46	36.74	28.31	90.3	75	40.6	19.4	482	3.70	50.1	1.6	10.0	13.0	17.5	.06	1.14	.41	12	.11	.049	18.4	19.0	.72	20.3	.005	<1	1.57	.003	.03	<.2	.02	13	.2	.07	4.5
GWSS-003558	.55	32.31	35.04	91.7	40	38.2	15.1	450	3.88	221.5	1.4	18.0	8.2	12.3	.08	1.47	.40	14	.03	.045	21.6	20.7	.65	36.7	.004	<1	1.65	.004	.03	<.2	.04	15	.3	.06	4.4
GWSS-003562	.71	50.74	41.74	120.7	84	58.5	28.8	917	4.98	84.0	1.2	26.7	7.5	6.4	.07	.76	.63	15	.09	.032	21.3	36.4	1.25	25.4	.001	<1	2.47	.004	.02	<.2	.03	11	.2	.12	7.0
GWSS-003559	.37	29.21	20.58	47.5	62	24.1	9.7	303	2.36	68.1	.8	7.3	2.4	10.5	.04	.51	.38	10	.06	.052	8.4	11.5	.57	35.1	.003	1	1.33	.011	.04	<.2	.03	54	.2	.10	3.7
GWSS-003565	.68	60.95	46.15	96.8	104	43.5	17.4	906	5.23	177.7	1.6	37.6	5.9	6.4	.06	3.46	.72	14	.01	.071	13.0	24.2	1.03	20.3	.001	<1	2.01	.011	.05	<.2	.03	20	.3	.11	6.0
GWSS-003561	2.49	51.88	41.38	85.0	88	47.0	30.9	1276	3.99	56.5	.9	5.4	3.1	8.7	.10	2.80	.52	12	.14	.059	11.9	22.2	1.14	35.2	.001	<1	2.00	.004	.03	<.2	.06	25	.5	.12	4.6
GWSS-003563	.56	73.07	39.91	124.2	76	56.8	36.7	1156	5.32	71.7	3.1	19.9	8.2	4.9	.08	1.45	.49	16	.03	.044	10.8	36.6	1.17	22.9	.002	<1	2.69	.007	.03	<.2	.03	18	.3	.08	7.7
GWSS-003560	1.81	50.57	42.13	81.8	71	44.7	33.4	1572	3.84	52.5	.8	4.0	2.6	8.5	.08	2.55	.49	13	.13	.069	10.7	23.2	1.06	37.0	.001	<1	1.91	.003	.03	<.2	.05	18	.3	.12	4.6
GWSS-003557	.50	32.46	47.86	82.0	120	39.3	28.5	1074	3.36	671.8	2.3	56.3	14.2	9.7	.11	1.96	.72	12	.04	.034	25.4	17.9	.56	55.3	.004	<1	1.52	.003	.03	<.2	.06	30	.4	.26	3.7
GWSS-003566	1.05	32.69	7.73	48.0	46	15.3	14.0	551	4.65	7.5	.6	2.3	2.5	47.1	.08	.15	.20	181	.53	.045	10.4	41.2	.57	88.5	.465	1	4.25	.142	.06	.2	.14	37	.7	.12	10.5
RE GWSS-003558	.56	31.88	33.78	90.6	38	37.3	15.4	432	3.85	215.2	1.4	18.0	7.7	12.5	.08	1.50	.39	14	.03	.047	21.4	17.3	.62	36.5	.005	<1	1.61	.005	.03	<.2	.04	9	.4	.06	4.4
GWSS-003564	.80	43.77	70.63	84.6	44	45.6	34.8	3917	5.43	143.6	1.0	34.7	3.0	3.8	.11	.66	.70	23	.02	.137	12.4	32.4	1.08	36.9	.012	<1	2.57	.005	.03	<.2	.03	29	.5	.16	8.2
JESS-003194	.67	56.07	58.13	83.4	148	34.8	27.0	1481	3.49	68.4	1.5	9.1	3.8	5.6	.08	.89	.48	17	.06	.092	10.6	20.4	.76	25.7	.004	<1	1.87	.010	.03	<.2	.04	50	.4	.04	5.6
JESS-003292	.68	42.88	38.05	80.8	97	34.4	13.5	827	4.44	70.0	1.5	14.4	4.5	4.6	.07	1.26	.43	17	.03	.092	11.5	28.8	.81	26.0	.005	<1	2.00	.006	.03	<.2	.04	38	.2	.09	6.7
JESS-003295	.34	36.86	48.71	104.0	538	40.5	15.6	409	3.66	321.4	1.5	67.4	11.3	22.2	.17	3.82	.38	9	.20	.033	16.0	15.4	.43	34.8	.001	<1	1.17	.004	.04	<.2	.03	12	.3	.06	2.9
JESS-003195	.52	49.67	42.98	105.1	87	48.9	22.2	897	4.43	23.1	.9	5.6	6.3	5.5	.08	.82	.43	15	.10	.072	11.8	25.0	1.01	15.5	.001	<1	2.18	.005	.02	<.2	.02	27	.3	.05	6.3
JESS-003197	.70	71.55	53.98	105.2	67	57.1	38.2	2684	5.28	21.6	1.5	4.6	8.1	5.3	.07	.44	.72	17	.05	.036	26.1	32.6	1.55	23.0	.004	<1	2.78	.004	.03	<.2	.02	21	.5	.17	7.6
JESS-003293	.65	41.93	42.80	83.6	120	34.6	35.0	1484	3.80	203.9	1.7	42.9	3.5	5.0	.09	1.66	.40	15	.04	.072	16.0	21.2	.68	32.9	.004	<1	1.70	.010	.03	<.2	.03	11	.3	.06	4.9
JESS-003291	.86	45.05	30.01	92.0	43	46.7	20.9	1470	4.22	74.5	1.1	14.3	4.8	5.4	.07	.67	.40	20	.06	.060	16.5	33.6	1.11	21.9	.009	<1	2.19	.006	.03	<.2	.02	14	.2	.08	6.3
JESS-003196	.53	30.96	31.48	47.3	60	23.0	17.1	2260	2.64	123.9	.8	28.3	1.2	5.2	.07	.56	.34	16	.05	.086	8.3	15.5	.54	24.0	.013	<1	1.33	.016	.03	<.2	.02	27	.4	.10	4.4
-003294	7.75	45.25	28.83	79.0	330	42.6	18.9	504	3.62	102.3	1.5	19.0	8.8	12.9	.20	2.90	.43	11	.20	.046	13.8	14.4	.61	36.3	.001	1	1.22	.003	.04	<.2	.09	26	.7	.07	3.1
-003571	.53	35.89	32.38	76.5	157	35.7	24.6	834	3.22	152.0	1.7	28.3	11.1	17.8	.09	1.67	.38	15	.20	.058	22.3	21.1	.56	55.2	.008	<1	1.34	.007	.04	<.2	.04	15	.4	.07	3.5
JESS-003574	.62	65.13	61.71	99.2	133	51.0	49.0	1578	4.09	95.9	1.6	26.7	7.0	8.0	.08	1.79	.38	14	.09	.051	21.2	26.8	1.03	36.3	.004	<1	2.10	.008	.03	<.2	.04	26	.3	.09	6.1
JESS-003590	.68	16.66	21.52	30.6	71	10.2	2.8	149	2.57	94.0	1.3	2.5	2.2	2.8	.05	.32	.43	21	.02	.050	14.1	14.1	.33	12.2	.006	<1	.94	.002	.02	.3	.02	10	.3	.12	6.6
JESS-003577	.32	19.84	20.69	39.3	46	17.5	7.9	400	2.14	18.4	.6	2.2	.8	4.4	.05	.43	.19	15	.06	.076	6.2	12.0	.42	14.8	.011	<1	1.26	.015	.02	<.2	.02	27	.3	.05	4.0
JESS-003580	.54	22.41	14.95	54.4	37	13.1	4.6	319	3.24	59.0	.9	4.5	9.4	3.2	.04	.30	.29	12	.01	.024	16.0	18.4	.73	17.2	.008	1	1.46	.003	.03	.6	.02	<5	.3	.03	4.6
STANDARD DS2	14.58	131.75	31.59	165.0	255	38.4	12.6	841	3.24	66.5	19.9	206.8	3.4	30.5	11.38	10.13	11.45	83	.56	.083	14.9	178.7	.64	153.1	.122	2	1.90	.042	.17	6.9	1.97	239	2.5	1.84	6.4

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

Data 1 FA ___

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
DHSS-003665	1.03	<.1	.23	2.5	.8	1.0	.09	5.9	1.92	9.4	.02	<1	39.1
DHSS-003680	1.35	<.1	.29	3.9	.3	.4	.02	.3	1.80	26.2	<.02	<1	15.5
DHSS-003674	.40	<.1	.14	2.4	1.8	.3	.05	10.1	8.70	20.9	.03	<1	41.6
DHSS-003656	.85	<.1	.10	4.5	1.1	.4	.04	4.5	3.48	39.7	.02	<1	33.3
DHSS-003661	.81	.1	.06	2.5	2.5	.4	.05	11.2	6.99	31.0	.03	4	57.7
DHSS-003679	.54	<.1	.14	2.3	.2	.2	.03	.3	.81	13.7	<.02	<1	3.8
GWSS-003555	.50	.1	.10	1.2	1.4	.3	<.01	11.6	4.22	24.9	.02	<1	68.6
GWSS-003567	2.11	<.1	.06	2.4	1.9	.3	<.01	5.2	3.03	29.3	.02	<1	91.3
GWSS-003556	.64	<.1	.06	2.2	1.2	.4	<.01	10.1	4.38	34.7	.02	<1	47.0
GWSS-003558	.95	.1	.18	4.1	.9	.2	<.01	5.3	2.64	39.6	.02	<1	42.8
GWSS-003562	1.29	.1	.04	1.9	1.7	.3	<.01	7.5	3.38	39.6	.02	<1	85.2
GWSS-003559	.80	<.1	.20	4.1	.6	.3	.03	5.8	2.07	14.7	<.02	<1	34.4
GWSS-003565	2.20	<.1	.05	3.4	1.8	.3	.03	6.4	1.64	22.9	.03	<1	65.7
GWSS-003561	1.49	<.1	.06	4.7	1.8	.3	.03	4.5	4.63	21.9	.03	<1	57.7
GWSS-003563	2.78	<.1	.07	3.1	2.2	.6	<.01	5.0	3.00	25.3	.03	<1	86.7
GWSS-003560	1.46	<.1	.07	5.0	1.6	.3	.04	5.7	4.03	19.7	.02	<1	58.8
GWSS-003557	1.13	<.1	.14	3.7	1.2	.6	<.01	4.9	5.73	52.1	<.02	1	36.5
GWSS-003566	1.13	.1	.83	5.4	8.1	1.6	<.01	44.2	14.51	27.6	.07	<1	10.1
RE GWSS-003558	.95	<.1	.21	4.2	.9	.3	.01	5.4	2.64	39.7	.02	<1	44.4
GWSS-003564	2.05	.1	.35	3.3	1.4	.4	.05	5.6	2.44	24.6	.03	<1	73.1
JESS-003194	1.82	<.1	.18	3.4	1.2	.4	.04	6.4	3.39	20.3	.02	<1	52.7
JESS-003292	2.35	<.1	.26	4.1	1.3	.4	.05	5.6	1.65	23.0	.02	<1	56.7
JESS-003295	1.11	<.1	.07	3.5	2.0	.4	.02	6.2	6.73	29.7	.02	<1	21.8
JESS-003195	1.01	<.1	.06	2.1	1.3	.3	.03	7.6	2.43	21.3	.02	<1	69.9
JESS-003197	2.79	.1	.06	3.1	2.5	.5	.01	7.5	5.07	48.5	.03	<1	98.1
JESS-003293	1.31	<.1	.14	3.7	1.3	.3	.02	2.1	2.76	30.5	.02	1	48.9
JESS-003291	1.41	.1	.30	3.2	1.6	.4	.01	2.4	3.17	31.2	.02	<1	71.4
JESS-003196	1.51	<.1	.19	3.1	1.0	.3	.03	2.3	3.19	16.5	<.02	<1	36.3
JESS-003294	1.00	<.1	.06	3.3	2.7	.3	.03	7.5	10.88	25.5	.02	1	32.6
JESS-003571	1.04	<.1	.18	4.3	1.8	.4	.03	2.5	5.86	43.8	.02	<1	26.9
JESS-003574	1.79	<.1	.06	2.7	1.9	.2	.03	9.8	4.94	39.3	.02	<1	71.8
JESS-003590	.85	<.1	1.08	3.4	.5	.3	.03	.2	2.70	25.1	<.02	<1	19.3
JESS-003577	.85	<.1	.22	2.1	.6	.2	.05	3.7	1.29	12.4	<.02	<1	31.9
JESS-003580	1.03	<.1	.27	3.1	.8	.2	.01	2.9	3.24	32.5	<.02	<1	38.1
STANDARD DS2	2.77	<.1	2.08	15.3	3.0	26.9	.02	4.2	7.95	29.5	5.64	1	13.2

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

Data 1 FA ___

ACME ANALYTICAL

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2316 FILE # 9903382

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
JESS-003585	.79	32.70	30.49	60.0	88	16.0	7.8	294	3.35	279.3	1.3	9.5	5.5	7.6	.06	.53	.49	16	.03	.054	39.4	24.3	.50	21.5	.006	1	1.24	.009	.03	.8	.05	11	.4	.04	5.2
JESS-003573	.74	27.45	18.72	75.9	76	29.4	10.2	535	4.63	26.2	.8	2.4	3.2	2.9	.11	.63	.39	25	.01	.138	14.4	34.4	.70	19.3	.007	1	1.80	.006	.02	<.2	.04	34	.3	.07	8.3
JESS-003588	1.71	46.48	43.88	63.5	63	18.2	6.0	238	5.13	104.4	1.8	6.7	9.7	8.5	.09	.74	.63	25	.02	.060	30.0	27.8	.53	39.1	.013	1	1.79	.007	.03	1.1	.05	15	.6	.10	6.6
JESS-003587	.86	50.84	24.45	75.0	184	24.1	16.9	409	4.01	430.4	2.6	14.8	9.1	4.8	.04	.46	.41	19	.01	.047	43.2	27.3	.62	32.3	.009	1	1.79	.006	.03	.9	.06	22	.3	.06	5.6
JESS-003592	.87	54.42	38.58	79.9	79	31.3	14.3	516	4.30	95.1	2.9	6.1	13.3	5.8	.06	.45	.44	17	.06	.081	27.5	29.3	.73	15.5	.010	<1	1.77	.008	.02	.3	.02	13	.5	.10	5.9
JESS-003581	.58	21.48	16.44	60.4	40	13.7	4.8	335	3.34	55.5	1.0	6.4	9.5	3.7	.02	.29	.34	13	.01	.023	18.3	21.1	.73	19.1	.008	<1	1.50	.007	.03	.6	.02	8	.3	.03	4.8
JESS-003569	3.12	29.38	17.27	93.1	70	41.1	13.8	367	3.77	62.5	.8	5.1	5.6	9.3	.10	1.06	.44	16	.11	.064	16.5	25.7	.98	32.1	.002	<1	1.87	.005	.03	<.2	.05	11	.2	.08	5.2
JESS-003575	.37	23.07	31.59	51.5	96	23.2	13.6	664	2.64	25.3	.7	3.5	.9	4.1	.08	.75	.52	13	.06	.095	8.1	16.9	.48	15.7	.006	<1	1.10	.014	.03	<.2	.03	56	.3	.14	3.7
JESS-003570	1.11	46.71	41.41	94.8	83	42.7	24.8	1016	3.69	127.7	1.6	36.3	6.5	8.5	.13	1.05	.51	23	.08	.066	17.1	37.6	.89	46.6	.004	<1	1.98	.011	.04	<.2	.05	24	.4	.08	5.5
JESS-003589	1.51	50.25	33.27	70.6	74	11.3	4.3	318	6.16	65.1	1.5	16.0	10.6	8.8	.08	1.45	.66	14	.05	.075	18.3	23.7	.56	25.4	.012	<1	1.55	.006	.02	.4	.03	34	.9	.18	5.0
JESS-003576	.74	46.67	40.95	116.1	78	53.8	27.2	902	4.72	68.4	1.6	12.2	7.4	5.6	.08	.87	.42	17	.08	.043	17.4	39.1	1.17	19.1	.002	<1	2.39	.006	.02	<.2	.02	18	.2	.08	7.1
JESS-003572	.70	44.40	54.81	87.7	88	33.7	15.0	335	3.67	105.8	2.3	9.5	11.1	15.1	.08	1.86	1.26	15	.06	.067	28.7	16.8	.43	32.9	.005	1	1.38	.009	.05	<.2	.07	19	.3	.30	3.8
JESS-003584	.54	21.26	14.37	15.2	171	4.3	1.9	67	1.41	14.6	.9	1.7	.5	3.0	.06	.19	.25	13	.02	.043	13.2	10.3	.13	15.6	.010	<1	.85	.020	.02	.2	.02	27	.3	.07	3.0
RE JESS-003587	.88	49.09	24.55	73.5	184	23.9	16.4	393	3.90	424.9	2.6	27.5	9.2	4.5	.03	.42	.42	19	.01	.045	42.2	27.9	.63	32.7	.009	<1	1.84	.003	.03	.9	.06	23	.3	.07	5.4
JESS-003593	.84	32.01	22.05	47.3	90	16.9	7.4	232	2.18	43.0	1.3	8.4	1.9	8.2	.18	.51	.44	20	.03	.064	18.6	17.4	.27	44.0	.008	<1	1.21	.007	.03	.4	.04	28	.4	.08	5.0
JESS-003583	1.10	42.48	24.00	37.2	338	12.1	4.9	122	2.83	39.6	1.5	4.7	6.0	4.2	.17	.48	.32	20	.02	.036	24.1	14.9	.23	19.4	.019	<1	1.16	.012	.03	.6	.05	32	.3	.04	4.6
JESS-003586	.50	17.36	17.19	47.2	294	10.3	3.7	218	3.34	321.7	.8	18.4	6.6	3.9	.32	.31	.28	16	.01	.096	27.0	19.3	.40	8.1	.004	<1	1.16	.005	.02	1.1	.02	56	.5	.03	5.0
JESS-003568	2.32	49.86	32.08	103.1	113	49.8	19.6	589	4.26	86.3	1.3	26.4	7.6	8.2	.15	1.39	.44	15	.12	.043	17.6	31.4	1.09	20.6	.001	<1	2.03	.006	.02	<.2	.03	24	.4	.09	5.3
JESS-003579	.96	32.85	33.88	93.7	48	40.2	15.5	1163	5.03	39.6	.7	5.7	3.8	3.1	.12	.54	.50	23	.02	.082	12.0	34.1	.99	16.8	.008	<1	2.10	.005	.02	<.2	.02	43	.4	.08	7.8
JESS-003591	1.10	17.43	15.95	45.3	36	11.9	4.5	230	5.88	190.3	.8	16.7	7.3	2.7	.05	.67	.61	40	.01	.058	16.5	28.7	.29	15.4	.028	<1	1.16	.003	.02	5.5	.05	23	.4	.10	10.0
JESS-003582	.63	12.89	14.91	21.4	93	4.2	1.9	68	2.12	20.5	.6	2.2	.9	2.8	.03	.31	.31	18	.01	.032	13.0	9.4	.14	13.2	.009	<1	.57	.007	.02	.3	.02	11	.2	.04	4.4
STANDARD DS2	13.27	130.55	30.87	164.1	250	37.2	12.8	823	3.19	62.0	19.5	193.7	3.3	30.6	11.47	9.62	10.82	81	.55	.082	14.4	171.2	.59	142.3	.118	2	1.73	.041	.16	7.2	1.84	232	2.5	1.94	6.1

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

Data 1 FA ___

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-003585	5.12	<.1	.30	3.6	.6	.6	.03	1.3	5.21	73.5	.02	<1	29.1
JESS-003573	1.55	<.1	.50	4.5	.8	.6	.07	8.1	1.59	28.2	.02	<1	49.9
JESS-003588	2.45	<.1	1.00	4.7	1.0	.6	.03	1.3	5.25	58.3	.04	<1	31.9
JESS-003587	3.66	<.1	.52	4.1	1.0	.5	.02	2.3	14.03	96.2	.02	<1	43.4
JESS-003592	1.09	<.1	.30	2.6	1.0	.4	.01	4.2	4.53	54.5	.02	<1	50.4
JESS-003581	1.17	<.1	.30	3.4	.8	.2	<.01	1.3	3.73	38.9	<.02	<1	39.7
JESS-003569	.84	<.1	.11	3.6	1.4	.2	.02	7.6	3.61	31.3	.02	<1	64.3
JESS-003575	.84	<.1	.19	2.2	.5	.5	.07	3.1	1.26	15.4	<.02	<1	38.9
JESS-003570	1.18	<.1	.26	5.2	2.0	.3	.01	7.7	4.52	33.6	.03	<1	50.5
JESS-003589	.86	<.1	.85	3.7	.6	.4	.03	.9	5.15	37.0	.03	<1	34.2
JESS-003576	1.14	<.1	.06	2.3	1.6	.2	.01	4.9	3.27	33.6	.02	<1	89.4
JESS-003572	1.17	<.1	.33	5.9	1.4	1.0	.02	4.1	4.34	57.2	<.02	<1	23.3
JESS-003584	.76	<.1	.30	1.9	.1	.3	.03	.6	2.53	25.6	<.02	<1	8.2
RE JESS-003587	3.58	<.1	.56	4.1	.9	.5	.02	2.2	13.58	94.0	.02	<1	42.3
JESS-003593	1.79	<.1	.54	6.1	.3	.6	.02	1.3	6.09	37.2	.02	<1	19.8
JESS-003583	2.70	<.1	1.11	4.2	.6	.5	.02	.4	7.44	60.3	.02	1	16.4
JESS-003586	1.87	<.1	.31	2.3	.6	.2	.05	1.3	2.30	53.0	<.02	<1	23.6
JESS-003568	.76	<.1	.06	1.7	1.9	.2	<.01	9.5	7.22	33.0	.02	<1	74.6
JESS-003579	1.96	.1	.48	3.4	1.0	.3	.04	6.5	1.65	23.1	.02	<1	66.5
JESS-003591	.62	<.1	2.06	2.5	.6	.7	.01	1.0	2.27	34.1	.02	<1	16.0
JESS-003582	.83	<.1	.30	2.5	.2	.3	.02	.1	2.97	25.9	<.02	<1	7.7
STANDARD DS2	2.71	<.1	2.18	14.1	3.0	25.6	.02	4.0	8.25	30.6	5.46	<1	13.4

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

Data f FA ___

128°52'04" 507000 508000 128°50'05" 509000 510000 128°48'06" 511000

6874000 6873000 6872000 6871000 6870000 6869000

5000E

6400N
6200N
6000N
5800N
5600N
5400N
5200N
5000N

500 0 500 1000 Meters

N

Legend

Sample Locations
Aug 29 - Sep 2, 1999

Geochemical Grid

Claim Outline

Streams

Water

HUDSON BAY
An Anglo American plc Company

094116

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

Horn Claims
Sample Locations
UTM Zone 9
NAD 83

FIGURE -	SCALE 1:10000	DATE: January 21, 2000
AUTHOR: MDB		FILE: horn_assess_99.apr

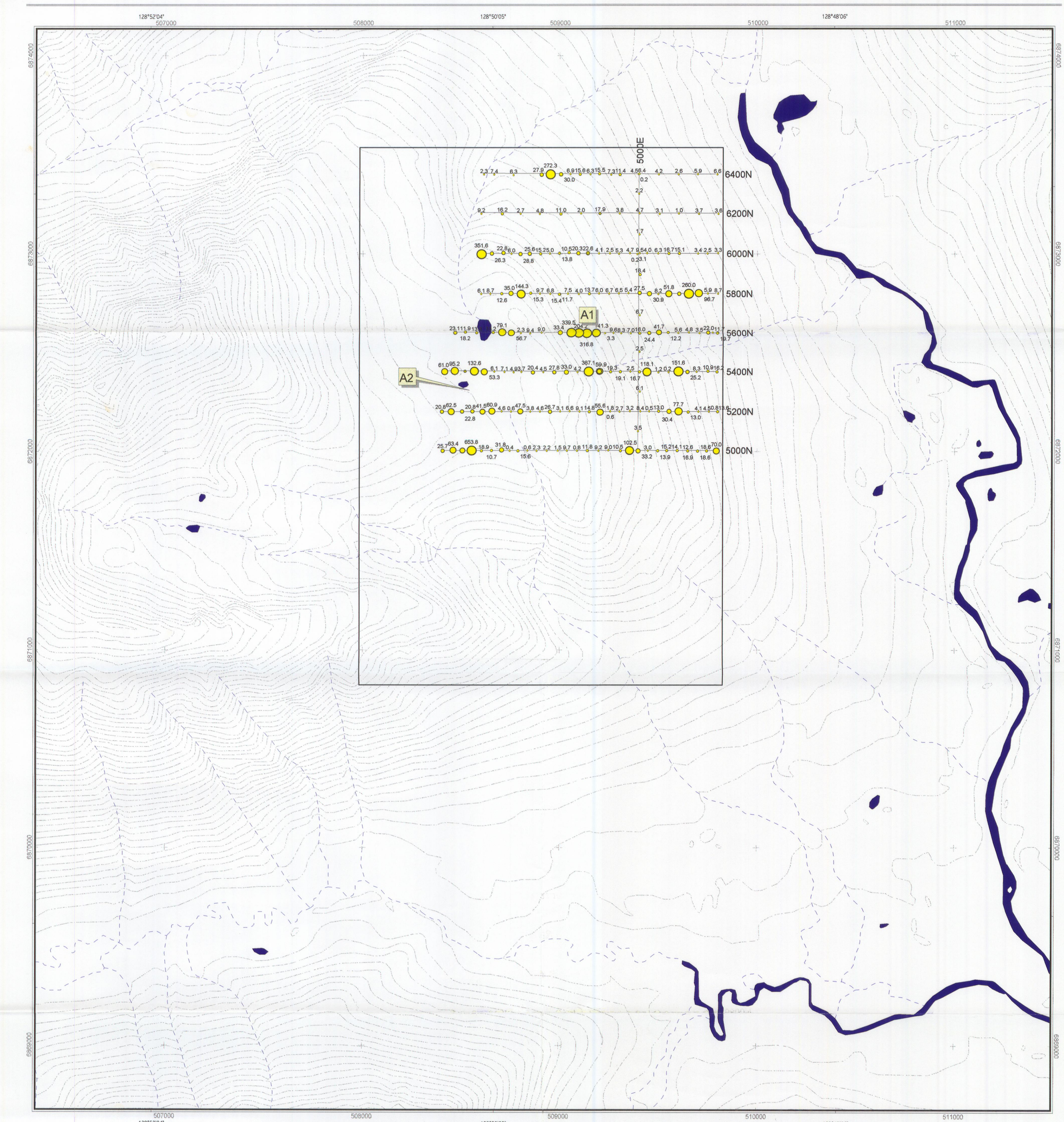
128°52'04" 507000 508000 128°50'05" 509000 510000 128°48'06" 511000

6874000 6873000 6872000 6871000 6870000 6869000

5000E

6400N
6200N
6000N
5800N
5600N
5400N
5200N
5000N

A1
A2



500 0 500 1000 Meters

N

094116

HUDSON BAY
An Anglo American plc Company

Gold in Soil Samples

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

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

Horn Claims
Soil Geochemistry
UTM Zone 9
NAD 83

FIGURE -	SCALE	DATE: January 21, 2000
AUTHOR: MDB	1:10000	FILE: horn_assess_99.apr