APPENDICES

II Assay Procedures - ACME Analytical Laboratories Ltd.
(a) Group 1F – Ultratrace by ICP-MS
(b) Group 4A – Whole Rock Analysis by ICP
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IV Assay Certificates

V Surficial Geology, Eureka property by Roger C. Paulen; June 19, 2000

VI Ice Flow Patterns & Copper Dispersal Trains, Eureka Property by R. C. Paulen; Oct 1, 2000
- *contains details of the trenching program*

VIII Petrographic Reports

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XI Author's Qualifications

Appendix II

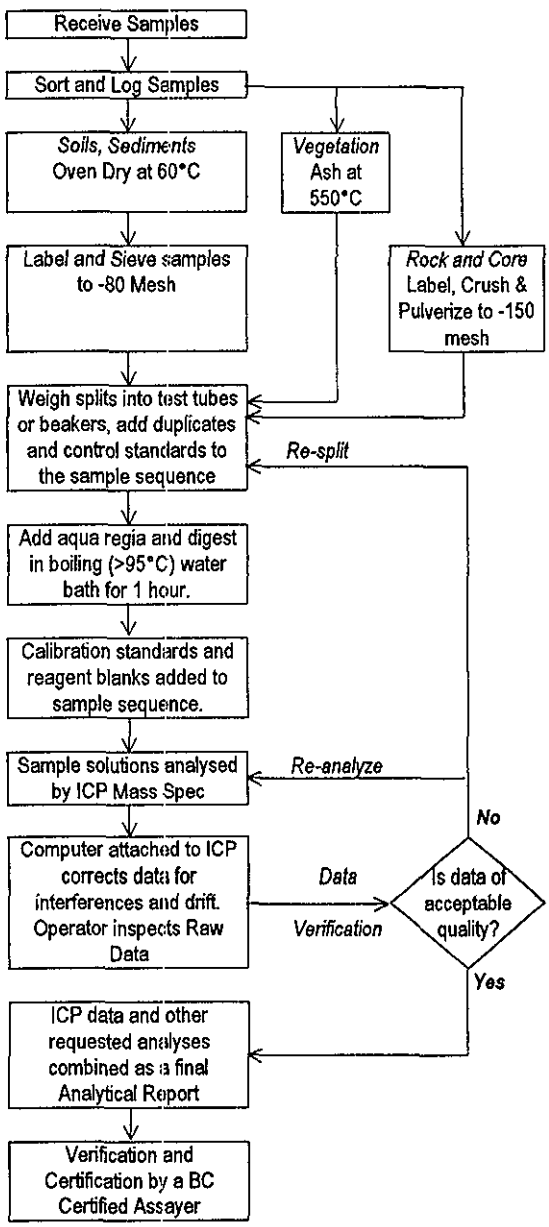
ASSAY PROCEDURES

ACME
ANALYTICAL LABORATORIES LTD.

852 East Hastings Street • Vancouver, British Columbia • CANADA • V6A 1R6
Telephone: (604) 253-3158 • Fax: (604) 253-1716 • Toll free: 1-800-990-ACME (2263) • e-mail: info@acmelab.com

METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 1F-MS – ULTRATRACE BY ICP-MS • ANGLO OPTION

Analytical Process



Comments

Sample Collection

Samples may consist of soil, sediment, plant or rock. A minimum field sample weight of 200 gm is recommended.

Sample Preparation

Soils and sediments are dried (60°C) and sieved to -80 mesh (-177 microns). Moss-mat samples are dried (60°C), pounded to loosen trapped sediment, then sieved to -80 mesh. Rocks are dried (60°C) crushed (>75% -10 mesh) and pulverized (>95% -150 mesh). Splits weighing 1 to 30 g (Optional packages) are placed in bottles. Each batch (34 samples) contains a duplicate pulp split for monitoring precision and reference material DS2 for monitoring accuracy.

Sample Digestion

Aqua Regia is added to each bottle (3mL/gm of sample). Aqua Regia is a 2:2:2 mixture of ACS grade concentrated HCl, concentrated HNO_3 and distilled H_2O. Sample solutions are heated for 1 hr in a boiling hot water bath (95°C). The solutions are then diluted to 20:1 mL/gm ratio. A reagent blank is carried in parallel through leaching and analysis.

Sample Analysis

Analysis is by an Elan 6000 ICP Mass Spec. For the Anglo *Option, 51 elements are determined comprising:* Au, Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Fe, Ga, Ge, Hf, Hg, In, K, La, Li, Mg, Mn, Mo, Na, Nb, Ni, P, Pb, Rb, Re, S, Sb, Sc, Se, Sn, Sr, Ta, Te, Th, Ti, Tl, U, V, W, Y, Zn and Zr. Other optional elements include the REE suite, Pt and Pd. Sample volumes of 10 to 30 gm are recommended when the determination of Au or other elements subject to the nugget effect are of importance.

Data Evaluation

Raw data are reviewed by the instrument operator and by the laboratory information management system. The data is *subsequently reviewed and adjusted by the Data Verification* Technician. Finally all documents and data undergo a final verification by a British Columbia Certified Assayer who then signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Dean Toye and Jacky Wang.

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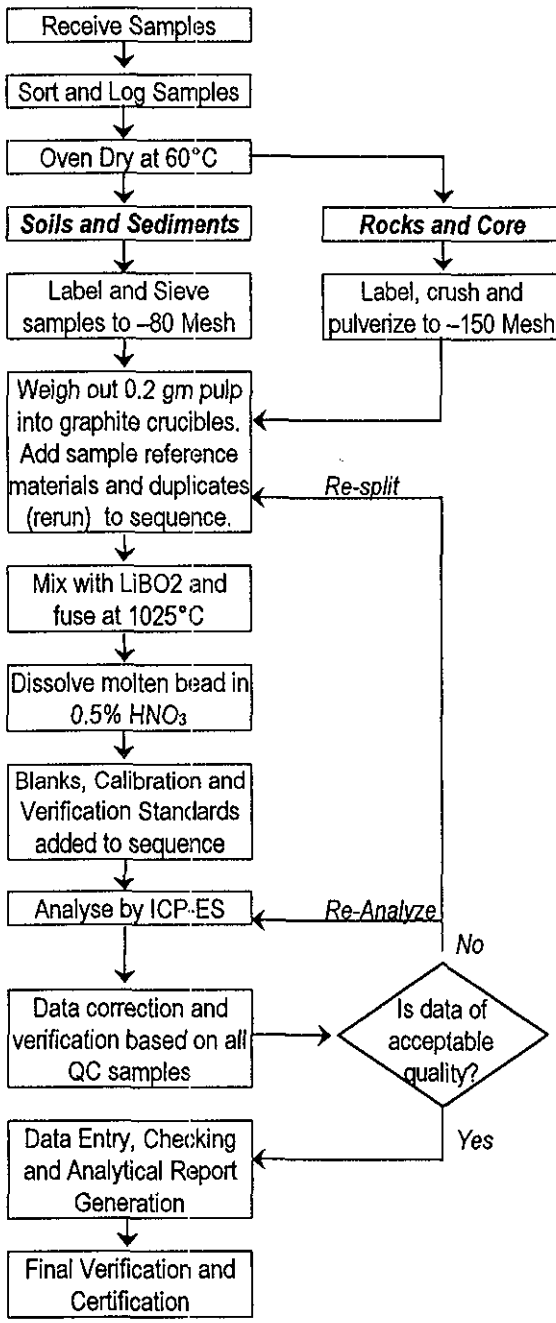
METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 4A: WHOLE ROCK ANALYSIS BY ICP

Analytical Process



Comments

Sample Preparation

Soils and sediments are rarely analysed by Group 4A, however method of sample preparation is provide for completeness. Soil and sediment samples are dried (60°C) and sieved to -80 mesh ASTM (-177 microns). Moss-mat samples are dried (60°C), macerated then sieved to recover -80 mesh sediment or ashed at 550°C (upon a client's request). Rocks and drill core are crushed and pulverized to -150 mesh ASTM (-100 microns). Sample splits (0.2 gm) are placed in graphite crucibles and a $LiBO_2$ flux is added. Duplicate splits of crushed (rejects duplicate) and pulverized (pulps duplicate) fractions are included with every 34 drill core or trench samples to define sample homogeneity (reject duplicate) and analytical precision (pulp duplicate). Duplicate pulp splits (only) are included in every batch of soil, sediment and routine rock samples. A blank and in-house standard reference material STD SO-15 are carried through weighing, digestion and analytical stages to monitor accuracy. STD SO-15 has been certified in-house against USGS CRMs AGV-1, BCR-2, G-2, GSP-2 and W-2.

Sample Digestion

Crucibles are placed in an oven and heated to 1025°C for 25 minutes. The molten sample is dissolved in 5% HNO_3 (ACS grade nitric acid diluted in demineralised water). Calibration standards and reagent blanks are added to the sample sequence.

Sample Analysis

Sample solutions are aspirated into an ICP emission spectro-graph (Jarrel Ash AtomComp Model 975) for the determination of the basic package consisting of the following 17 major oxides and elements: SiO_2, Al_2O_3, Fe_2O_3, CaO, MgO, Na_2O, K_2O, MnO, TiO_2, P_2O_5, Cr_2O_3, Ba, Ni, Sr, Sc, Y and Zr. The extended package also includes: Ce, Co, Cu, Nb, Ta and Zn. Loss on ignition (LOI) is determined for both packages by igniting a 1 g sample split at 950°C for 90 minutes then measuring the weight loss. Total Carbon and Sulphur are determined by the Leco method (Group 2A).

Data Evaluation

Raw and final data from the ICP-ES undergoes a final verification by a British Columbia Certified Assayer who must sign the analytical report before release to the client. Chief assayer is Clarence Leong, other certified assayers are Dean Toye and Jacky Wang.

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852 East Hastings Street • Vancouver, British Columbia • CANADA • V6A 1R6
Telephone: (604) 253-3158 • Fax: (604) 253-1716 • Toll free: 1-800-990-ACME (2263) • e-mail: info@acmelab.com

Document: Methods and Specifications for Group 4A.DOC	Date: March 6, 2000	Prepared by: J. Gravel

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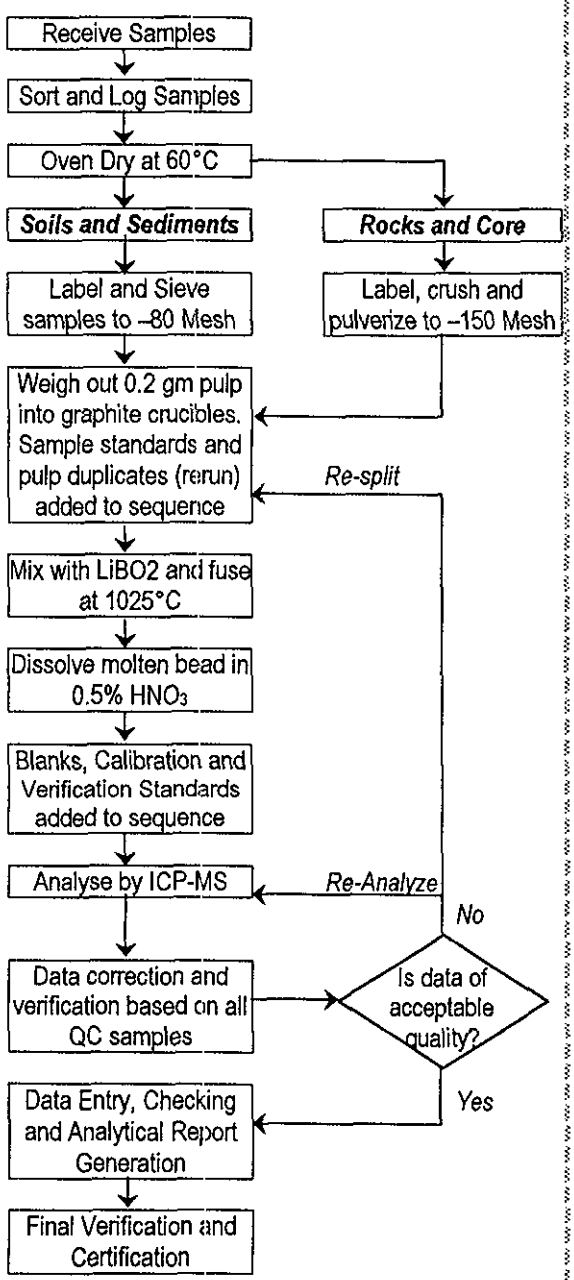
METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 4B: W/ROCK TRACE ELEMENTS BY ICP-MS • ANGLO OPTION

Analytical Process



Comments

Sample Preparation

Soils and sediments are rarely analysed by Group 4B, however method of sample preparation is provide for completeness. Soil and sediment samples are dried (60°C) and sieved to -80 mesh ASTM (-177 microns). Moss-mat samples are dried (60°C), macerated then sieved to recover -80 mesh sediment or ashed at 550°C (upon a client's request). Rocks and drill core are crushed and pulverized to -150 mesh ASTM (-100 microns). Sample splits (0.2 gm) are placed in graphite crucibles and a $LiBO_2$ flux is added. Duplicate splits of crushed (rejects duplicate) and pulverized (pulps duplicate) fractions are included with every 34 drill core or trench samples to define sample homogeneity (reject duplicate) and analytical precision (pulp duplicate). Duplicate pulp splits (only) are included in every batch of soil, sediment and routine rock samples. A blank and in-house standard reference material STD SO-15 are carried through weighing, digestion and analytical stages to monitor accuracy. STD SO-15 has been certified in-house against USGS CRMs AGV-1, BCR-2, G-2, GSP-2 and W-2.

Sample Digestion

Crucibles are placed in an oven and heated to 1025°C for 25 minutes. The molten sample is dissolved in 5% HNO_3 (ACS grade nitric acid diluted in demineralised water). Calibration standards, verification standards and reagent blanks are added to the sample sequence.

Sample Analysis

Sample solutions are aspirated into an ICP mass spectrometer (Perkin-Elmer Elan 6000) for the determination of the basic package consisting of the following 34 elements: Co, Cs, Ga, Hf, Nb, Rb, Sn, Sr, Ta, Th, Tl, U, V, W, Y, Zr, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb and Lu. A second sample split is analyzed by Group 1EX to determine the concentrations of: As, Bi, Cd, Cu, Mo, Ni, Pb, Sb and Zn.

Data Evaluation

Raw and final data undergoes a final verification by a British Columbia Certified Assayer who must sign the analytical report before release to the client. Chief assayer is Clarence Leong, other certified assayers are Dean Toye and Jacky Wang.

HBED Quality Control Procedures: Unconsolidated Surficial Materials

The following standard HBED quality control procedures were used over the course of sample collection and analysis:

- 1 field duplicate sample pair collected in every block of 20 samples as a measure of combined sampling, preparation and analytical variation. In all, a total of 5 field duplicate pairs were collected in each 100-sample sequence.

- 3 control standards were inserted in each 100-sample sequence to monitor analytical accuracy.

Overall, each complete 100-sample sequence contains 92 routine field samples, 5 field duplicate samples and 3 control standards.

HBED Quality Control Procedures: Rock and Drill Core

The following standard HBED quality control procedures were used over the course of sample collection and analysis:

- 1 field duplicate sample pair collected in every block of 20 samples (5%), as a measure of combined sampling, preparation and analytical variation. In all, a total of 5 field duplicate pairs were collected in each 100-sample sequence.

- 1 preparation duplicate sample in every block of 20 samples (5%), as a measure of combined sample preparation and analytical variation. A total of 5 prep duplicate pairs were prepared in each 100-sample sequence. These were split, where possible, from the first samples of each field duplicate pair.

- 3 control standards were inserted in each 100-sample sequence (3%) to monitor analytical accuracy.

Overall, each complete 100-sample sequence contains 87 routine field samples, 5 field duplicate samples, 5 prep duplicate samples and 3 control standards.

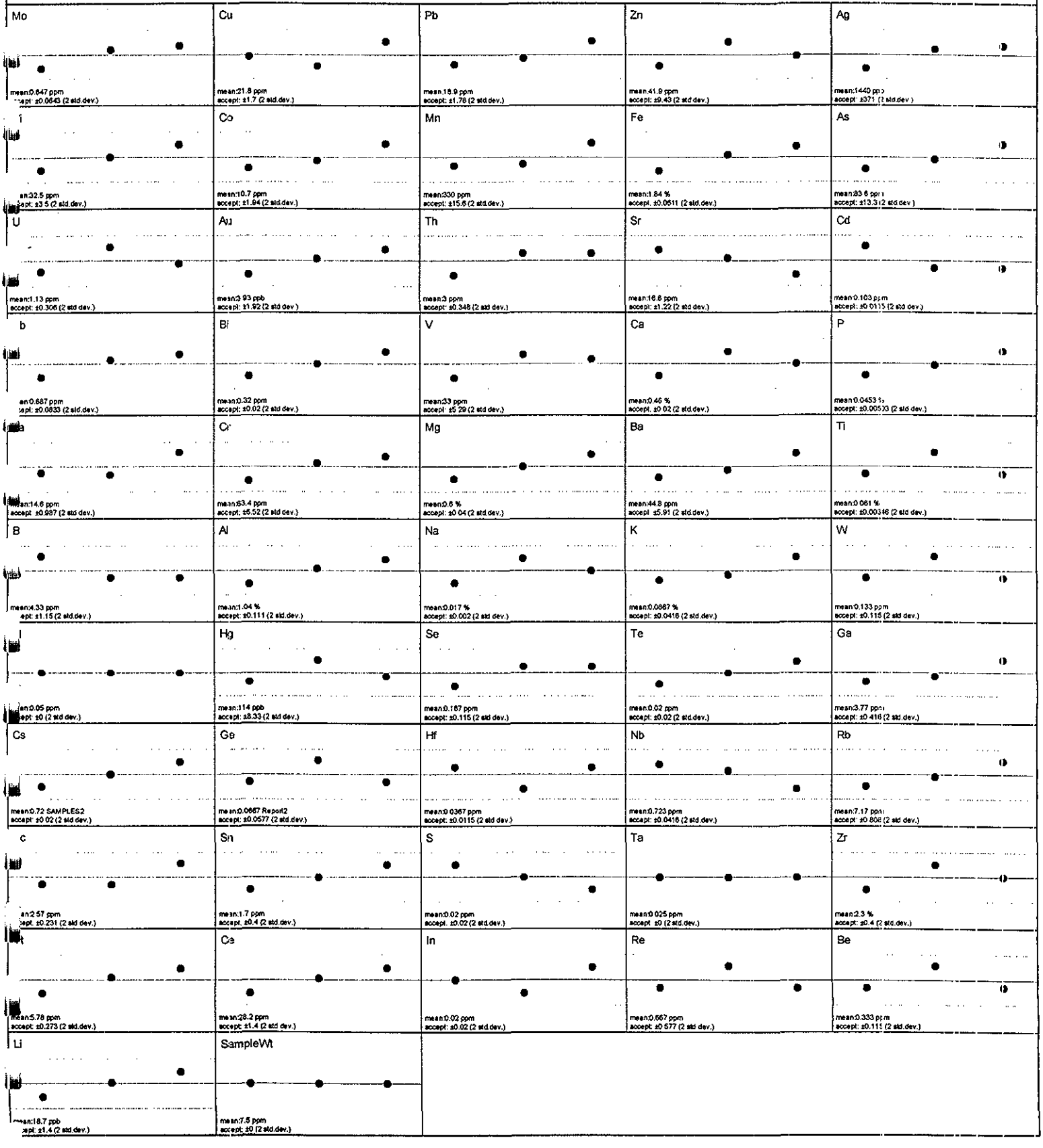
Standards Report

Hudson Bay Exploration and Dev. Co. Ltd.

Project: Eureka Project - Till Geochemistry
Scientist: Gerry Bidwell
Project date: 2000/12/19

Batch:
Standard: TILL3
Report date: 2000/12/19

Fail: ● +/-2 std. dev.
Pass: ⊘
Historic: ●



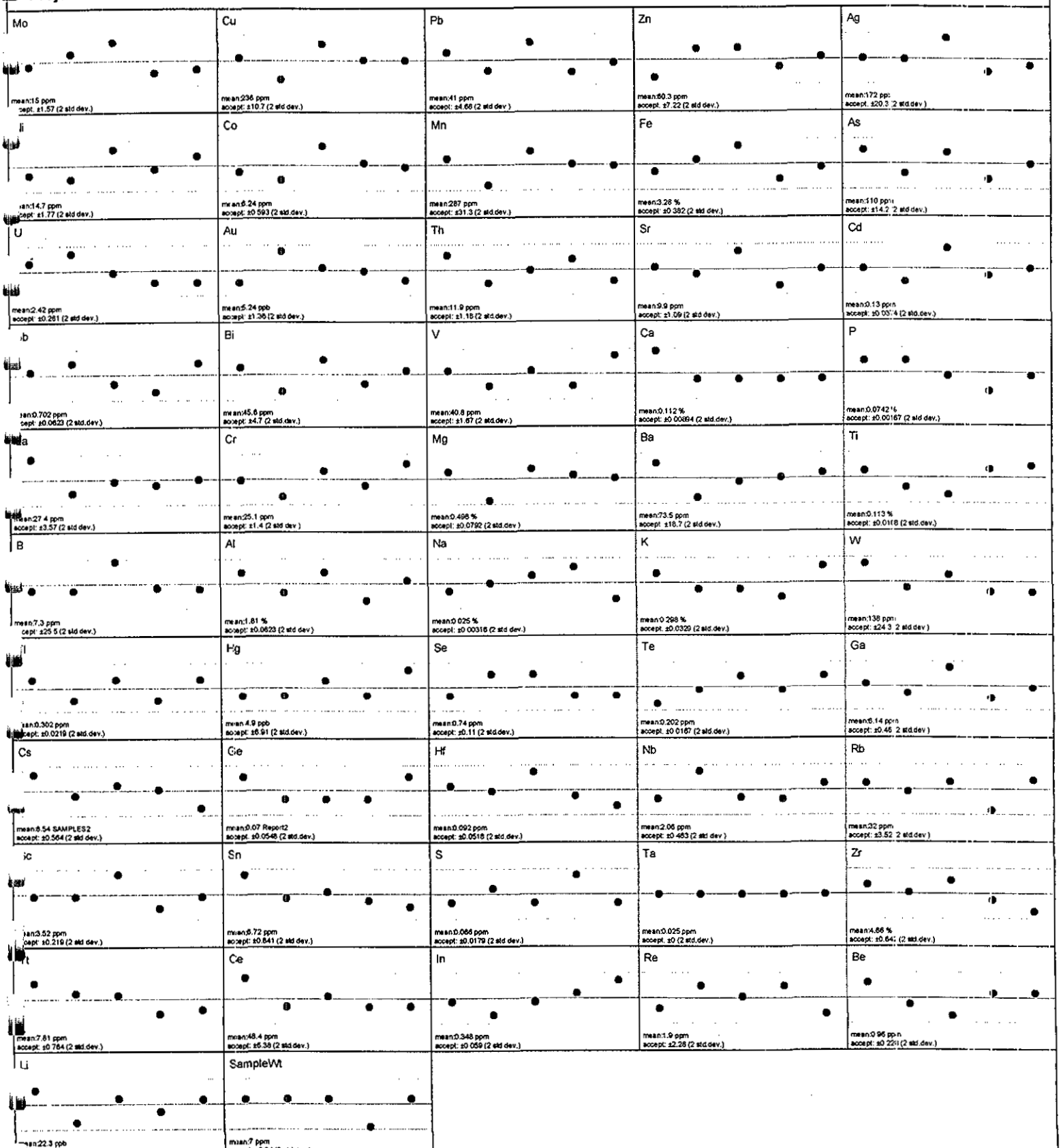
Standards Report

Hudson Bay Exploration and Dev. Co. Ltd.

Project: Eureka Project - Till Geochemistry
Scientist: Gerry Bidwell
Project date: 2000/12/19

Batch:
Standard: TILL4
Report date: 2000/12/19

Fail: ● +/-2 std. dev.
Pass: ⊘
Historic: •



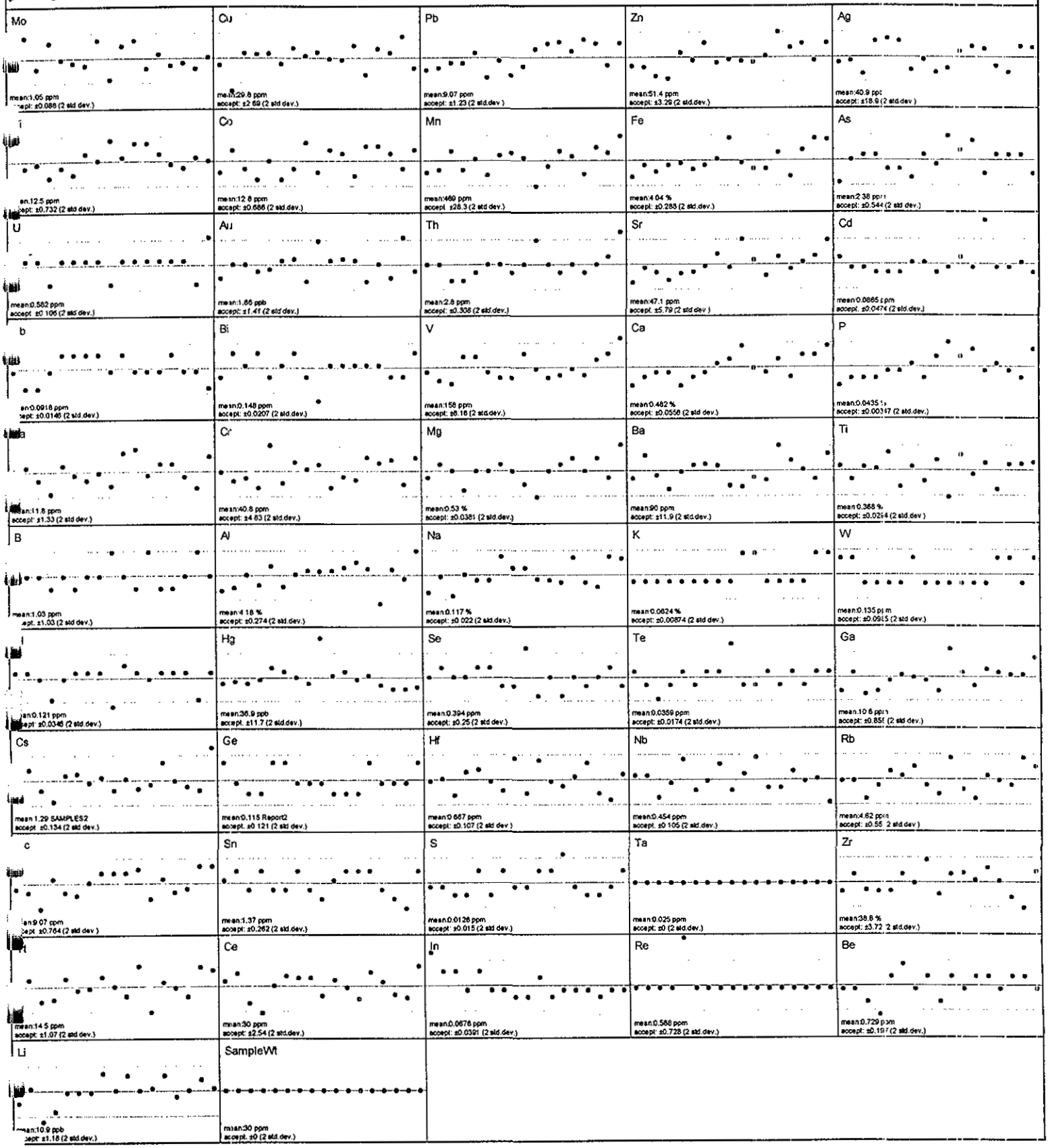
Standards Report

Hudson Bay Exploration and Dev. Co. Ltd.

Project: Eureka Project - Till Geochemistry
Scientist: Gerry Bidwell
Project date: 2000/12/19

Batch:
Standard: S1
Report date: 2000/12/19

Fail: ● +/-2 std. dev.
Pass: ◎
Historic: ●



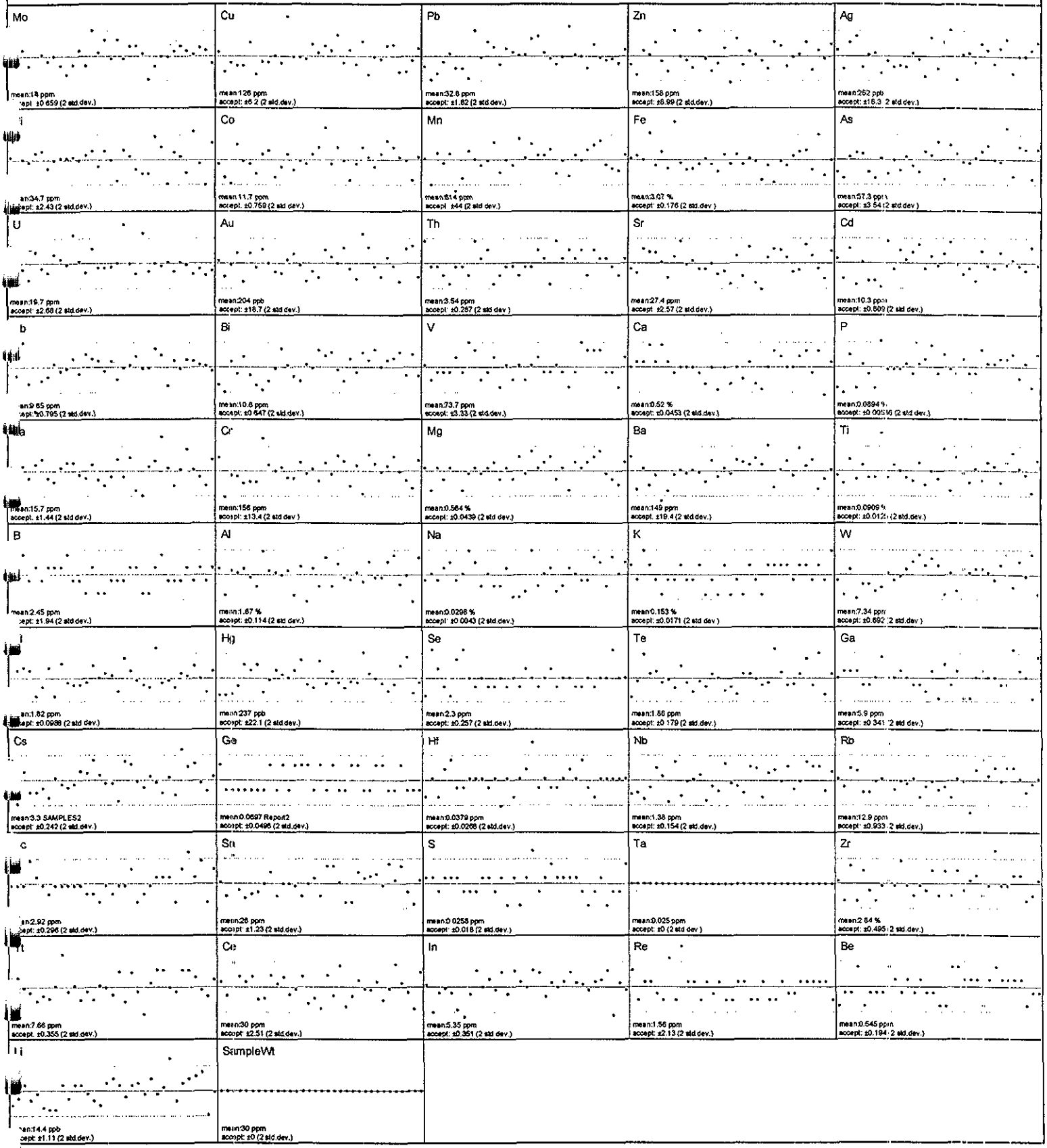
Standards Report

Hudson Bay Exploration and Dev. Co. Ltd.

Project: Eureka Project - Till Geochemistry
Scientist: Gerry Bidwell
Project date: 2000/12/19

Batch:
Standard: DS2
Report date: 2000/12/19

Fail: ● +/-2 std. dev.
Pass: ⊗
Historic: ●



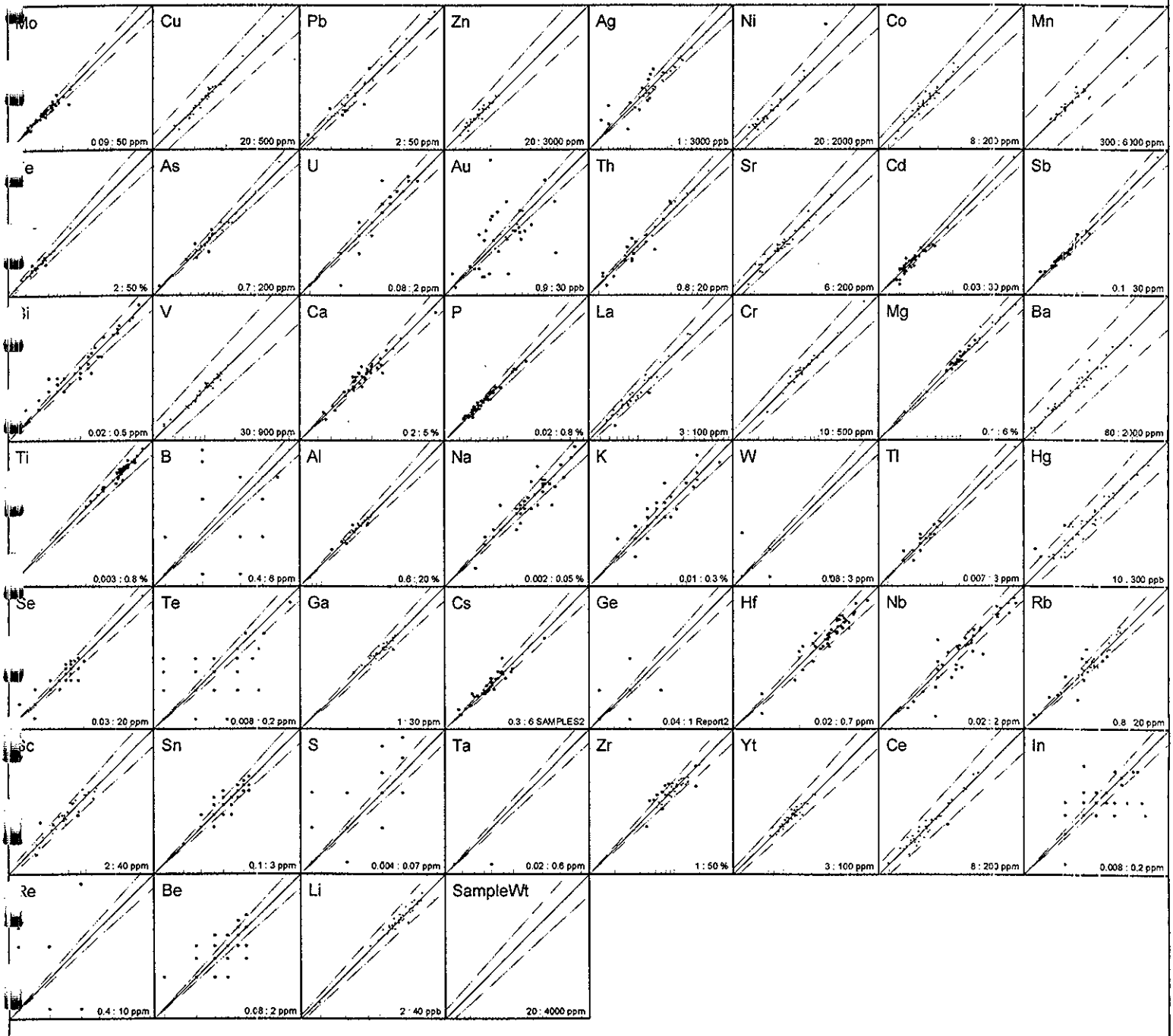
Duplicates Report

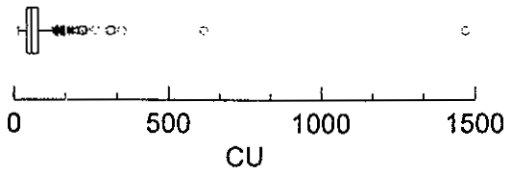
Hudson Bay Exploration and Dev. Co. Ltd.

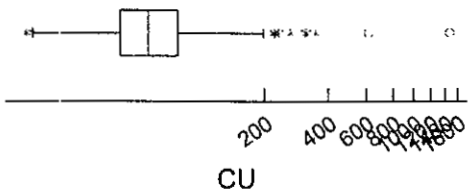
Project: Eureka Project - Till Geochemistry
Scientist: Gerry Bidwell
Project date: 2000/12/19

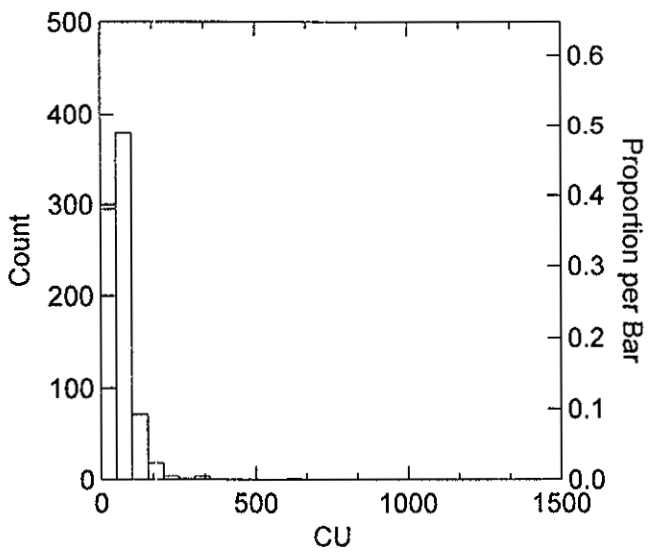
Batch:
Duplicate: Duplicate
Report date: 2000/12/19

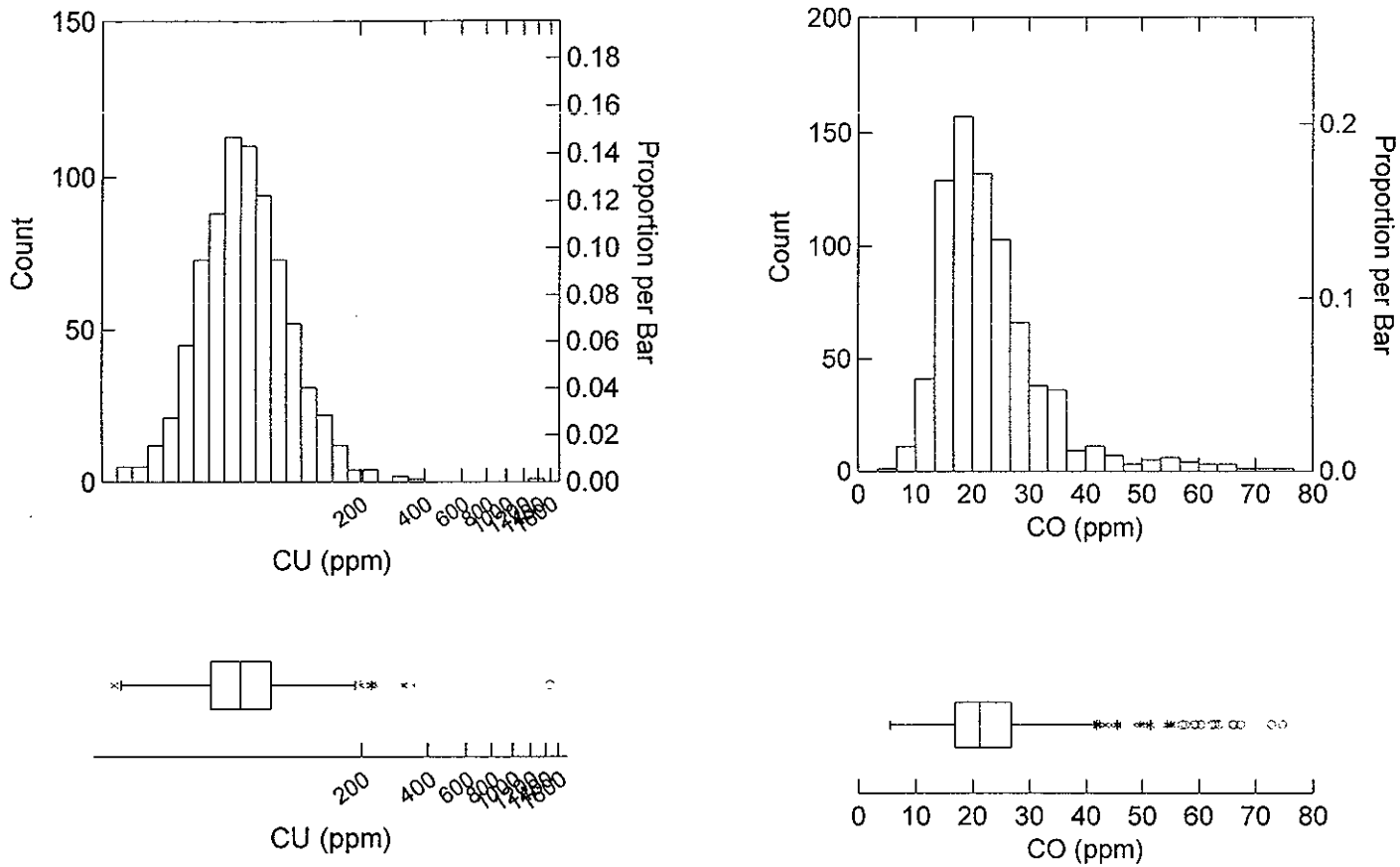
Fail: ● +/-10 %
Pass: ◐
Historic: •



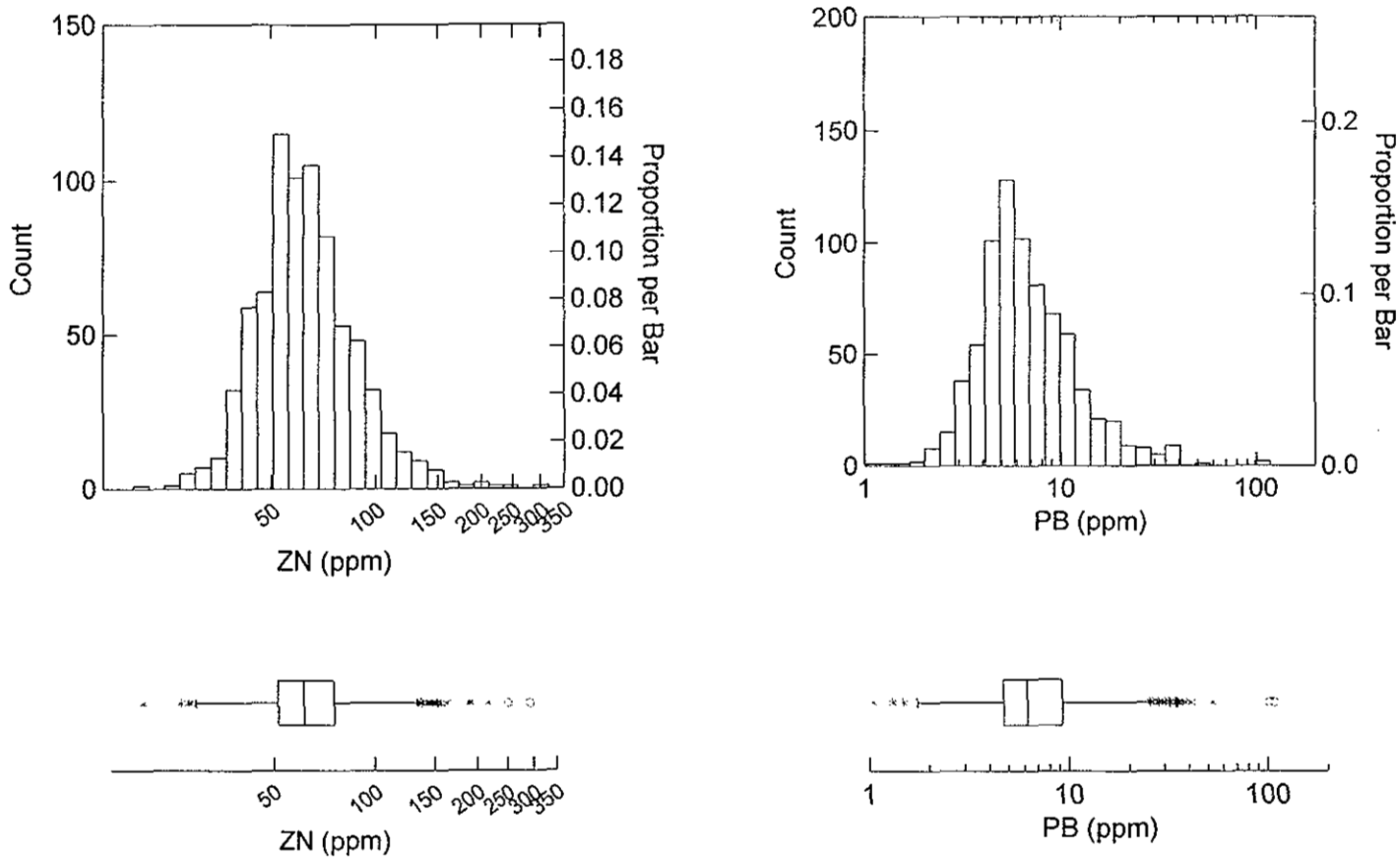

0
500
1000
1500
CU


200
400
600
CU

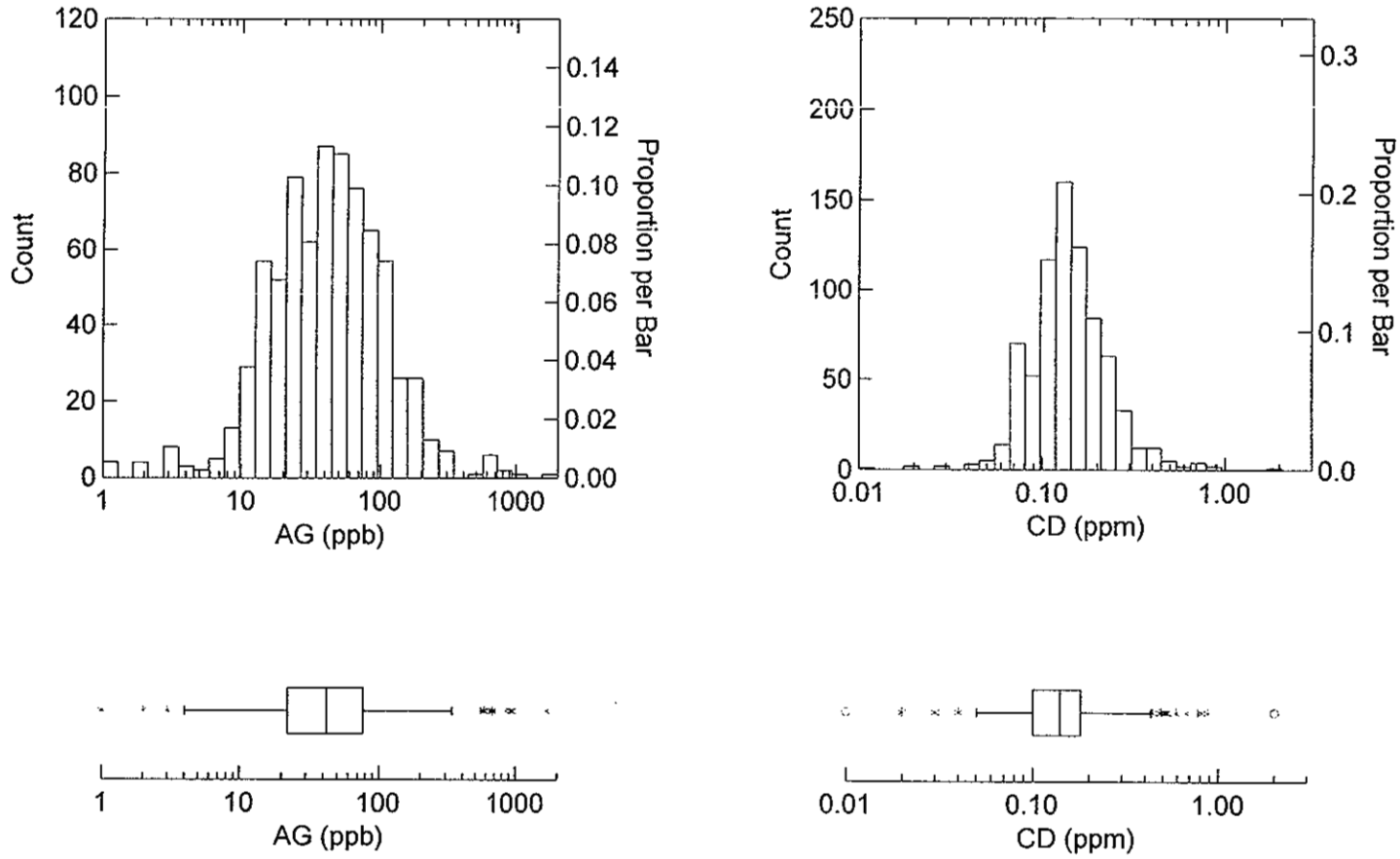

500
400
300
200
100
0
Count
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Proportion per Bar
0
500
1000
1500
CU



Histogram and box plot showing log distribution of Cu (ppm) and Co (ppm) in till (<63 micron fraction)



Histogram and box plot showing log distribution of Zn (ppm) and Pb (ppm) in till (<63 micron fraction)



Histogram and boxplot showing log distribution of Ag (ppb) and Cd (ppm) in till (<63 micron fraction)

Appendix IV

ASSAY CERTIFICATES

EUREKA ASSAYS - LAB REPORTS & TURN AROUND TIME

Lab No.	Type	Samples Sent	Lab Received	Confirm Request	Group 1EX Results	Group 1F Results	Group 4A Results	Group 4B Results	Group 7AR Results	LOI	from lab to results	from field to results
2291	moss	7-Jul	10-Jul	13-Jul		31-Jul					21	24
2291R	moss	7-Jul	22-Nov							8-Dec	16	
2374	moss	11-Jul	13-Jul	15-Jul		28-Jul					15	17
2374R	moss	11-Jul	22-Nov							8-Dec	16	
2512	moss	18-Jul	20-Jul			8-Aug					19	21
2512R	moss	18-Jul	22-Nov							4-Dec	12	
2627	moss	25-Jul	26-Jul			13-Aug					18	19
2627R	moss	25-Jul	22-Nov							4-Dec	12	
3057	moss	15-Aug	16-Aug			5-Sep					20	21
3057R	moss	15-Aug	22-Nov							4-Dec	12	
3304	moss	29-Aug	30-Aug			12-Sep					13	14
3304R	moss	29-Aug	22-Nov							4-Dec	12	
4181	moss	10-Oct	13-Oct			30-Oct					17	20
4181R	moss	10-Oct	22-Nov							4-Dec	12	
4332	moss	10-Oct	24-Oct			15-Nov					22	36
4332R	moss	10-Oct	22-Nov							4-Dec	12	
4333	moss	23-Oct	24-Oct			15-Nov					22	23
4333R	moss	23-Oct	22-Nov							4-Dec	12	
1847	rocks	13-Jun	14-Jun			5-Jul	5-Jul				21	22
1847R	rocks	13-Jun	22-Nov		13-Dec			13-Dec			21	
2202	rocks	4-Jul	5-Jul			20-Jul	20-Jul				15	16
2202R	rocks	4-Jul	22-Nov		18-Dec			18-Dec			26	
2513	rocks	18-Jul	20-Jul			4-Aug					15	17
2513R	rocks	18-Jul	22-Nov		14-Dec		14-Dec	14-Dec			22	
3058	rocks	15-Aug	16-Aug			31-Aug	31-Aug				15	16
3058R	rocks	15-Aug	22-Nov		15-Dec			15-Dec			23	
3305	rocks	29-Aug	30-Aug			14-Sep					15	16
3305R	rocks	29-Aug	20-Sep						26-Sep		6	
3305R2	rocks	29-Aug	22-Nov		8-Dec		8-Dec	8-Dec			16	
4335	rocks	23-Oct	24-Oct		22-Nov	22-Nov	22-Nov	22-Nov			29	30
4396	rocks	31-Oct	31-Oct		23-Nov	23-Nov	23-Nov	23-Nov			23	23
4396R	rocks	31-Oct	1-Dec	1-Dec					8-Dec		7	
5002	rocks	13-Dec	14-Dec		5-Jan	5-Jan	5-Jan	5-Jan			22	23
1848	till	13-Jun	14-Jun			5-Jul	5-Jul				21	22
2057	till	23-Jun	23-Jun			14-Jul	14-Jul				21	21
2201	till	4-Jul	5-Jul			23-Jul					18	19
2201R	till	4-Jul	31-Jul		26-Aug		26-Aug	26-Aug			26	
2373	till	11-Jul	13-Jul	15-Jul		28-Jul					15	17
2373R	till	11-Jul	22-Nov				7-Dec				15	
2511	till	18-Jul	20-Jul			8-Aug					19	21
2511R	till	18-Jul	31-Jul		28-Aug		28-Aug	28-Aug			28	
2626	till	25-Jul	26-Jul			10-Aug					15	16
2626R	till	25-Jul	22-Nov				7-Dec				15	
3056	till	15-Aug	16-Aug			2-Sep					17	18
3056R	till	15-Aug	22-Nov				7-Dec				15	
3303	till	29-Aug	30-Aug			12-Sep					13	14
3303R	till	29-Aug	22-Nov				7-Dec				15	
3480	till	5-Sep	7-Sep	12-Sep		21-Sep					14	16
3480R	till	5-Sep	22-Nov				7-Dec				15	
3741	till	18-Sep	19-Sep			5-Oct					16	17
3741R	till	18-Sep	22-Nov				7-Dec				15	
4334	till	23-Oct	24-Oct		10-Nov	10-Nov	10-Nov	10-Nov			17	18

Group 1EX - ICP by total digestion

Group 1F - Ultratrace by ICP MS

Group 4A - Whole Rock by ICP

Group 4B - Whole Rock Trace Elements by ICP MS

Group 7AR - Multi-Element Assay by ICP (high grade)

LOI - loss on ignition

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

WHOLE ROCK ICP ANALYSIS

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A001847 Page 1

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
NWRR-10160	50.74	14.81	10.01	6.36	9.67	3.91	.09	1.79	.15	.17	.029	61	77	156	102	34	11	37	2.1	.03	.12	99.89
NWRR-10150	50.32	14.86	10.92	5.75	7.80	4.09	.45	2.17	.20	.20	.018	1151	63	122	126	40	12	35	2.9	.03	.02	99.86
NWRR-10007	50.29	15.42	9.01	6.80	8.98	3.92	.16	1.50	.14	.15	.039	131	94	253	94	30	14	34	3.4	.08	.04	99.89
NWRR-10117	47.92	14.71	8.84	9.46	9.08	2.83	.10	1.34	.14	.16	.053	225	198	90	73	26	<10	28	5.1	.02	.06	99.81
NWRR-10147	87.04	5.61	2.07	.88	.28	.08	1.51	.38	.07	.06	.007	3381	28	11	116	<10	<10	10	1.6	.03	<.01	99.99
NWRR-10112	51.41	14.49	10.54	5.81	8.16	4.11	.07	1.85	.17	.16	.011	98	65	118	102	35	10	37	3.2	.04	.43	100.04
NWRR-10141	50.87	13.88	11.47	7.80	6.75	3.31	.18	1.81	.15	.19	.034	225	111	131	93	36	<10	39	3.6	.03	.04	100.12
NWRR-10014	47.21	11.49	11.16	.51	10.35	3.50	.81	2.52	.28	.19	.063	669	214	219	148	22	28	27	11.7	2.31	.06	99.94
NWRR-10001	53.25	13.01	9.72	7.20	5.47	2.19	1.55	1.58	.17	.21	.027	3281	73	88	100	32	<10	33	5.2	.14	3.25	99.99
NWRR-10116	52.03	13.44	10.72	6.48	8.49	3.52	<.04	1.78	.15	.16	.029	142	69	112	75	31	<10	41	3.0	.10	<.01	99.89
NWRR-10009	26.39	6.34	5.02	1.27	31.01	1.30	.99	.77	.17	.12	.023	1339	103	741	49	11	17	14	26.3	7.19	.30	99.97
NWRR-10103	48.83	14.48	13.63	6.69	6.45	2.67	1.46	2.10	.18	.16	.021	302	54	114	110	37	<10	37	3.0	.07	.56	99.75
RE NWRR-10103	48.60	14.42	13.57	6.76	6.44	2.69	1.44	2.09	.17	.16	.019	296	52	113	123	35	<10	37	3.1	.03	.57	99.54
RRE NWRR-10103	48.94	14.41	13.50	6.89	6.48	2.74	1.42	2.08	.16	.16	.018	273	52	114	119	37	11	37	3.0	.04	.57	99.88
NWRR-10144	79.17	7.92	3.47	1.50	1.55	.53	2.07	.64	.13	.05	.024	479	97	80	201	13	20	7	2.7	.41	.06	99.86
NWRR-10153	85.50	6.55	1.44	1.36	1.15	2.60	.22	.39	.05	.02	.014	212	39	47	88	13	10	9	.8	.03	<.01	100.14
NWRR-10146	49.34	14.50	11.45	6.62	9.02	3.64	.17	2.09	.19	.18	.021	80	48	141	127	40	10	39	2.7	.01	.09	99.98
NWRR-10114	50.42	14.25	12.06	6.49	4.94	4.03	<.04	2.20	.16	.17	.027	81	62	120	115	39	11	45	5.0	.46	.03	99.84
NWRR-10008	9.91	3.61	4.60	2.77	40.60	.82	.53	.77	.16	.20	.013	1010	34	866	56	26	22	9	35.6	10.11	.28	99.82
NWRR-10003	84.85	6.44	2.76	.95	.41	.47	1.73	.44	.04	.07	.002	549	24	31	161	14	10	10	1.7	.03	<.01	99.96
NWRR-10011	13.57	1.00	3.15	.99	45.07	.23	.14	.13	.04	.18	.006	298	22	885	<10	19	<10	5	35.3	10.37	.44	99.95
NWRR-10101	51.00	14.13	10.53	5.22	8.69	4.13	.10	2.04	.15	.16	.022	52	77	91	104	39	<10	38	3.7	.02	.42	99.92
NWRR-10015	19.56	5.06	3.18	1.05	38.02	.43	.89	.36	.09	.12	.003	345	20	1336	52	24	<10	4	31.0	8.76	.01	99.97
NWRR-10113	49.75	13.94	12.59	6.36	9.13	1.66	.38	2.14	.18	.20	.026	135	80	130	108	41	<10	39	3.5	.07	.03	99.92
NWRR-10133	54.84	18.33	8.18	2.00	3.58	3.06	1.16	1.41	.15	.12	.010	364	<20	332	173	29	12	23	7.2	.68	.01	100.15
NWRR-10145	50.45	14.55	9.22	8.84	8.14	3.47	.18	1.03	.09	.15	.058	428	184	138	53	20	<10	34	3.7	.07	<.01	99.98
NWRR-10111	51.03	14.84	10.85	6.07	8.60	2.87	.40	1.96	.14	.18	.012	180	47	222	103	37	<10	39	3.1	.05	.02	100.13
RE NWRR-10111	51.01	14.71	10.93	6.10	8.64	2.81	.40	1.96	.14	.18	.011	180	43	221	116	38	<10	39	3.0	.04	.02	99.97
RRE NWRR-10111	50.94	14.84	10.71	6.10	8.58	2.91	.39	1.94	.15	.18	.011	179	34	223	110	37	<10	39	3.1	.05	<.01	99.93
NWRR-10148	47.77	13.11	14.64	7.29	8.07	1.95	.44	2.15	.20	.20	.013	462	83	198	94	39	10	41	4.3	.26	<.01	100.24
NWRR-10157	48.54	14.80	12.18	6.20	9.58	2.41	.25	2.18	.16	.20	.027	143	79	99	113	41	<10	40	3.5	.03	.02	100.09
NWRR-10142	56.20	12.57	9.33	6.41	7.56	2.99	.06	1.59	.15	.17	.031	60	108	77	105	35	<10	34	2.9	.04	.01	100.02
NWRR-10115	50.95	14.02	8.10	7.73	6.47	3.48	.15	1.34	.09	.13	.067	303	105	195	68	25	<10	40	7.5	1.11	.04	100.12
STANDARD SO-15/CSB	50.70	12.10	7.08	7.04	5.70	2.34	1.85	1.77	2.62	1.35	1.029	1922	76	384	934	23	23	12	5.9	2.48	5.20	99.88

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: ROCK Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 14 2000 DATE REPORT MAILED: July 5/00 SIGNED BY. D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
NWRR-10109	48.99	13.85	12.51	7.07	7.73	3.46	.29	2.09	.17	.17	.029	122	79	142	133	38	<10	37	3.4	.05	.55	99.83
NWRR-10016	48.36	2.61	10.91	3.79	15.55	.16	.39	.69	.63	.23	.113	490	320	322	90	16	53	10	16.3	4.96	1.57	99.89
NWRR-10010	25.73	1.72	7.30	6.25	26.64	.68	.16	.41	.14	.20	.008	202	60	697	66	<10	23	4	29.8	8.59	.10	99.16
NWRR-10151	83.56	7.15	1.35	1.45	1.29	2.98	.11	.43	.04	.03	.015	82	42	44	109	13	<10	10	1.4	.08	.01	99.84
NWRR-10143	49.44	14.35	10.88	6.55	10.24	2.83	.34	1.90	.17	.18	.021	88	59	255	124	37	<10	37	2.8	.03	.11	99.78
NWRR-10120	92.34	2.02	1.95	.42	.11	.04	.50	.10	.03	.94	.007	1833	37	27	32	<10	<10	3	1.0	.05	.10	99.68
NWRR-10019	38.27	14.09	8.99	8.51	6.66	2.43	1.04	1.17	.12	.12	.091	841	165	206	75	21	<10	34	18.3	4.93	.01	99.95
NWRR-10002	55.38	12.33	9.39	6.81	5.24	2.28	1.58	1.43	.15	.20	.028	2921	96	85	120	30	12	30	4.7	.08	3.56	99.89
NWRR-10105	47.17	16.72	11.42	5.23	7.89	3.72	.05	2.17	.20	.41	.005	124	36	90	130	38	10	31	4.6	.20	.02	99.64
NWRR-10110	49.33	14.22	11.53	6.67	9.30	3.53	.15	1.92	.15	.20	.029	50	96	126	128	39	<10	37	2.6	.09	.03	99.69
NWRR-10017	25.12	2.75	6.99	4.05	30.48	.11	.52	.65	.21	.16	.022	423	146	457	68	11	14	6	28.6	8.32	.24	99.80
NWRR-10102	48.33	14.26	11.40	6.81	9.70	3.75	.12	2.01	.17	.18	.030	74	96	108	130	38	12	38	2.8	.03	.26	99.62
NWRR-10155	83.33	6.63	3.02	1.43	1.23	.08	1.62	.41	.06	.08	.010	1979	54	111	124	14	<10	10	1.7	.03	.09	99.86
NWRR-10012	28.18	3.72	4.34	1.47	32.20	.74	.25	.47	.10	.13	.016	324	87	535	28	<10	<10	8	28.3	8.01	.08	100.03
NWRR-10006	50.75	14.96	9.29	7.06	8.23	4.07	.30	1.37	.13	.16	.036	150	70	298	99	27	15	37	3.2	.04	.08	99.64
NWRR-10107	65.57	7.30	13.58	3.93	2.45	.17	.06	.47	.58	.52	.014	27	84	39	154	50	15	11	5.1	.02	3.51	99.79
NWRR-10118	68.07	2.56	16.40	.93	.35	.05	.57	.11	.04	2.14	.007	2184	69	27	40	<10	<10	3	8.5	2.07	1.66	99.99
RE NWRR-10118	66.55	2.64	17.34	.97	.37	.06	.55	.11	.02	2.26	.011	2291	82	27	46	<10	11	4	8.5	2.09	1.73	99.66
RRE NWRR-10118	68.12	2.53	16.28	.89	.33	.03	.56	.11	.04	2.19	.005	2235	72	26	36	<10	<10	4	8.6	2.04	1.58	99.95
NWRR-10152	48.67	13.66	11.34	7.92	9.59	2.93	.19	1.84	.19	.21	.033	183	90	131	114	34	<10	38	3.4	.04	.01	100.05
NWRR-10106	80.01	8.42	3.93	1.94	.32	.65	1.52	.55	.09	.09	.010	1518	46	20	177	19	15	12	2.1	.04	.05	99.84
NWRR-10004	49.87	14.65	10.49	7.89	8.52	3.53	.34	1.61	.14	.22	.034	84	106	151	103	30	<10	38	2.7	.03	.07	100.06
NWRR-10108	81.01	6.37	5.04	2.28	.79	1.64	.11	.38	.13	.35	.010	123	72	42	119	21	17	12	1.7	.03	.02	99.86
NWRR-10166	54.07	18.21	8.36	2.39	3.95	2.96	1.18	1.34	.14	.13	.010	344	23	336	200	28	17	23	7.1	.65	.03	99.96
NWRR-10020	41.98	15.34	8.88	6.41	6.03	2.66	1.09	1.25	.11	.14	.090	905	158	215	80	23	10	38	15.7	3.94	.03	99.85
NWRR-10104	74.74	8.67	6.09	2.48	2.09	2.40	.39	.74	.10	.08	.011	373	47	160	180	20	11	14	2.2	.03	.86	100.09
NWRR-10005	70.14	10.24	6.23	4.25	3.47	3.34	.19	.99	.11	.14	.020	204	77	85	108	21	10	21	1.0	.01	.04	100.18
NWRR-10119	47.33	18.46	7.72	6.81	5.68	4.30	.64	.97	.06	.14	.025	508	59	182	57	16	11	30	7.7	1.04	.02	99.94
NWRR-10013	23.01	6.28	8.31	5.71	23.81	1.64	1.08	1.70	.43	.23	.028	1369	81	534	140	19	47	13	27.2	7.55	.10	99.68
STANDARD SO-15/CSB	49.29	12.41	7.32	7.28	5.89	2.42	1.85	1.80	2.71	1.39	1.063	1921	77	397	1002	20	20	12	5.9	2.50	5.23	99.74

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

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A001847 Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
NWRR-10160	1.57	62.47	4.81	76.9	81	62.8	24.1	626	4.12	1.2	<.1	2.5	.2	16.9	.18	.26	.04	106	2.18	.062	2.3	58.8	1.71	8.0	.306	10	2.86	.087	.01	.8	.02	11	.4	<.02	10.4
NWRR-10150	.18	15.21	3.30	75.9	60	42.8	26.1	986	5.40	1.7	<.1	1.7	<.1	8.5	.10	.14	.02	173	1.72	.079	3.3	15.3	2.06	87.3	.398	5	2.98	.068	.03	.7	<.02	<5	.2	<.02	12.8
NWRR-10007	.71	38.95	2.07	60.0	33	88.0	28.5	636	4.63	.5	<.1	1.2	<.1	15.8	.08	.07	<.02	163	2.20	.056	2.4	42.5	2.57	16.8	.321	12	3.15	.093	.02	.3	<.02	5	.3	<.02	9.8
NWRR-10117	.18	50.56	.49	50.0	44	178.3	34.8	792	4.35	1.4	<.1	.9	<.1	7.2	.07	.19	<.02	73	2.06	.052	1.8	76.0	3.77	61.2	.189	4	4.26	.057	.01	.4	.02	<5	.2	<.02	10.4
NWRR-10147	1.13	7.22	6.32	20.9	21	22.7	2.2	422	1.10	3.2	.1	1.4	2.0	1.2	.02	.05	.11	14	.13	.014	8.1	15.2	.33	507.9	.108	5	.63	.004	.18	.5	.04	19	.1	.02	2.7
NWRR-10112	.50	64.57	.54	60.3	34	26.8	24.1	690	5.25	.7	<.1	1.6	.1	7.4	.07	.16	<.02	200	2.34	.068	2.6	17.8	1.84	13.0	.493	5	3.14	.071	.01	.5	<.02	<5	.7	<.02	12.9
NWRR-10141	.69	40.09	.42	69.2	33	86.1	33.4	1123	6.15	2.8	<.1	.9	.1	8.2	.05	.22	<.02	187	1.32	.059	2.3	48.4	3.16	28.0	.511	3	3.87	.095	.02	.3	<.02	<5	.3	.02	13.0
NWRR-10014	1.58	56.74	4.68	83.4	106	230.3	52.4	1612	7.34	63.1	.1	2.5	.7	61.5	.18	.33	.04	27	7.14	.140	12.9	53.1	.21	119.8	.047	1	.65	.049	.06	.4	<.02	<5	.3	.03	1.6
NWRR-10001	.61	96.99	3.25	42.7	78	70.5	33.9	706	4.96	1.7	<.1	2.2	.2	12.1	.07	.17	.27	85	1.34	.065	2.4	92.3	2.16	247.0	.355	3	2.14	.095	.20	.9	.04	11	2.1	.06	6.4
NWRR-10116	.93	54.53	.48	56.5	20	48.7	30.0	677	4.65	1.1	<.1	1.1	.2	11.5	.10	.26	<.02	165	2.38	.056	2.2	93.9	2.01	68.4	.500	6	3.12	.045	<.01	.3	<.02	<5	.3	<.02	11.8
NWRR-10009	.44	59.67	11.60	37.1	182	108.1	28.5	939	3.13	109.4	<.1	2.0	.3	744.8	.11	.47	<.02	7	19.58	.074	4.0	20.4	.62	206.0	.013	1	.30	.018	.08	.6	.03	17	.4	.07	.5
NWRR-10103	1.11	276.42	11.47	383.4	114	31.5	19.9	693	5.56	4.5	.2	3.5	.1	19.0	1.20	.80	.10	155	1.45	.054	1.2	36.3	2.00	63.3	.496	4	2.77	.170	.22	<.2	.05	584	1.2	<.02	9.6
RE NWRR-10103	1.11	280.37	12.05	384.2	119	32.0	22.0	715	5.71	4.7	.2	4.0	.1	20.6	1.25	.82	.10	161	1.51	.054	1.3	39.4	2.06	66.0	.525	2	3.06	.177	.23	<.2	.06	611	1.2	<.02	10.5
RRE NWRR-10103	1.09	281.58	11.73	377.6	112	32.2	22.3	729	5.77	4.5	.2	4.3	.1	21.1	1.32	.80	.10	166	1.56	.057	1.3	36.9	2.11	65.6	.532	3	3.11	.196	.24	<.2	.05	601	1.3	<.02	10.6
NWRR-10144	3.45	19.81	13.38	39.0	30	65.8	10.8	419	2.09	6.2	.3	2.0	5.6	61.1	.04	1.79	.04	10	1.05	.052	18.2	50.7	.63	74.0	.014	3	1.11	.009	.22	.9	.06	50	.1	<.02	2.6
NWRR-10153	2.64	5.19	24.60	25.3	259	28.7	6.0	134	.92	2.1	.3	1.9	3.5	5.0	.12	.49	<.02	45	.45	.020	7.5	56.5	.71	39.1	.149	1	.87	.080	.03	5.0	.03	11	.1	<.02	4.5
NWRR-10146	.84	35.96	9.21	83.1	101	35.9	26.3	753	5.60	.8	<.1	2.3	.1	10.5	.13	.26	<.02	150	1.81	.084	3.1	32.3	1.94	22.3	.290	5	3.22	.068	.02	.4	<.02	12	.3	<.02	12.1
NWRR-10114	.32	57.75	2.53	85.4	46	53.8	37.6	1172	6.90	1.1	.1	1.4	.4	28.6	.11	.26	.02	270	2.28	.074	2.6	165.5	3.68	29.1	.611	2	3.94	.063	<.01	.3	<.02	<5	.3	<.02	15.6
NWRR-10008	1.00	4.67	70.11	121.5	228	23.2	15.2	1441	2.63	35.6	.1	1.9	.4	815.3	.73	.25	.09	9	23.65	.061	9.1	9.9	1.57	116.1	.016	<1	.13	.008	.04	.6	<.02	24	.4	.12	.4
NWRR-10003	.71	11.73	7.00	43.1	28	26.5	8.8	585	1.55	1.9	.5	.6	4.2	9.4	.04	.37	.11	18	.26	.024	7.9	19.1	.43	162.2	.159	6	.81	.009	.24	1.7	.06	5	<.1	.06	3.2
NWRR-10011	.48	16.73	9.10	92.6	55	25.3	5.2	1287	1.79	8.1	<.1	3.1	<.1	941.3	.89	.21	<.02	2	27.80	.011	10.1	6.8	.47	73.4	.003	<1	.03	.006	.01	1.1	<.02	26	.5	.10	.1
NWRR-10101	.85	51.37	4.24	75.5	65	66.1	31.3	624	4.41	.5	<.1	2.5	.1	11.4	.23	.75	<.02	147	2.22	.063	2.0	21.6	1.50	17.4	.450	6	2.61	.094	.01	1.0	<.02	16	.8	<.02	11.7
NWRR-10015	.20	5.78	14.39	35.1	38	16.6	6.4	891	1.80	2.1	.7	1.1	2.8	1281.5	.07	.30	.06	6	23.33	.044	12.4	11.1	.47	63.2	.018	1	.89	.005	.13	<.2	<.02	<5	.2	.15	2.3
NWRR-10113	.56	49.67	1.54	75.7	36	69.6	29.8	1013	5.61	1.2	<.1	1.6	.1	26.4	.11	.19	<.02	179	2.67	.061	1.4	83.0	2.57	34.4	.550	2	3.87	.128	.08	.5	<.02	<5	.3	<.02	10.2
NWRR-10133	.98	29.65	9.96	50.2	34	12.5	12.9	475	4.07	2.1	.6	1.9	2.7	45.2	.10	.09	.13	159	.50	.042	11.5	39.4	.55	84.2	.354	3	4.15	.117	.06	<.2	.10	25	.4	.03	10.3
NWRR-10145	.45	84.64	3.00	62.2	45	159.9	35.4	747	4.44	.8	<.1	.4	<.1	9.2	.10	.25	<.02	59	1.44	.036	1.3	108.4	3.15	107.8	.164	2	3.32	.065	.02	.5	.02	<5	<.1	<.02	8.8
NWRR-10111	.47	49.39	1.68	70.6	34	29.8	25.6	850	5.11	1.2	<.1	.9	.1	20.5	.09	.19	<.02	148	1.92	.069	2.1	16.6	2.11	46.1	.515	1	3.28	.079	.08	.5	<.02	<5	.2	<.02	8.8
RE NWRR-10111	.51	49.21	1.76	72.1	41	29.8	26.8	862	5.14	1.1	<.1	.9	<.1	20.8	.08	.21	<.02	147	1.92	.068	2.2	13.4	2.13	45.9	.506	<1	3.31	.069	.08	.5	<.02	<5	.2	<.02	8.9
RRE NWRR-10111	.53	52.01	1.78	74.0	31	31.2	28.5	907	5.41	1.3	<.1	.8	.1	22.1	.09	.20	<.02	157	2.01	.072	2.4	16.8	2.23	49.0	.536	<1	3.78	.078	.09	.5	<.02	<5	.2	<.02	9.5
NWRR-10148	.41	59.67	1.67	115.2	53	40.2	35.8	1196	6.59	.5	<.1	1.2	.1	20.9	.08	.16	<.02	158	1.62	.082	1.6	37.7	3.56	282.2	.505	<1	3.48	.051	.07	.3	.03	<5	.3	<.02	12.5
NWRR-10157	.53	63.29	2.86	72.2	53	64.5	30.2	963	5.34	1.0	<.1	1.0	.1	15.3	.09	.22	<.02	190	2.62	.063	1.5	76.4	2.36	22.7	.555	2	3.81	.114	.03	.6	<.02	<5	.3	<.02	11.2
NWRR-10142	.38	15.77	2.23	48.8	38	81.8	26.4	871	4.57	3.1	.1	.8	.4	9.9	.06	.21	<.02	153	1.90	.067	3.7	58.1	2.30	13.6	.443	1	3.07	.057	.01	.7	<.02	<5	.2	<.02	10.8
NWRR-10115	.28	75.83	.82	54.8	45	112.9	37.4	1053	5.31	12.7	<.1	.7	<.1	45.6	.10	.30	<.02	196	4.22	.048	1.7	463.9	4.83	51.9	.268	3	4.03	.051	.02	.3	<.02	<5	.3	<.02	11.7
STANDARD DS2	14.16	125.88	32.67	157.9	272	34.7	11.6	799	3.18	56.6	17.9	198.7	3.5	27.6	9.89	8.73	11.01	75	.51	.088	15.2	153.5	.58	145.7	.091	3	1.65	.030	.15	6.6	1.79	229	2.2	1.84	5.7

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: ROCK Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 14 2000 DATE REPORT MAILED: July 5/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data 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
NWRR-10109	2.16	101.65	1.93	70.1	32	62.8	26.9	732	5.84	3.0	<.1	2.4	<.1	13.5	.15	.43	.04	176	1.72	.067	1.6	69.5	2.12	25.1	.550	2	2.99	.114	.03	.2	<.02	13	1.0	<.02	10.7
NWRR-10016	6.98	18.31	12.07	62.4	57	421.0	52.6	1804	6.99	285.3	1.1	8.0	4.4	324.9	.16	3.15	.03	23	11.42	.226	17.9	143.2	1.90	134.5	.030	1	.49	.005	.04	1.2	.02	59	.2	.03	1.9
NWRR-10010	.76	5.03	14.47	2157.8	102	52.1	15.0	1570	4.83	14.4	<.1	2.0	.4	711.9	12.51	.17	<.02	5	17.55	.036	3.8	13.1	3.28	51.4	.014	<1	.06	.008	.01	1.2	.02	468	.2	.07	.3
NWRR-10151	2.47	4.83	10.06	16.0	34	33.2	6.4	236	.94	1.4	.3	1.0	4.2	6.1	.07	.10	<.02	53	.53	.024	10.2	71.9	.71	20.4	.179	2	.88	.077	.01	3.8	.02	5	<.1	<.02	4.5
NWRR-10143	.96	53.95	3.61	72.7	43	36.7	26.4	713	4.64	.6	<.1	1.4	.1	22.9	.10	.15	<.02	98	1.55	.071	2.4	34.1	1.63	29.2	.358	<1	2.76	.091	.08	.8	.02	6	.2	<.02	6.9
NWRR-10120	2.19	34.48	4.76	22.7	114	14.7	4.0	6519	1.28	3.6	.1	2.2	.9	26.9	.02	.63	.16	8	.05	.003	3.9	17.4	.12	544.1	.007	5	.29	.002	.08	3.5	.03	12	.3	.05	1.4
NWRR-10019	.36	64.49	1.10	54.7	75	185.6	46.0	993	6.10	154.1	<.1	.6	<.1	109.4	.04	1.35	<.02	36	5.11	.045	1.5	142.5	5.02	95.9	.005	3	.66	.068	.08	.3	.04	<5	<.1	.03	1.3
NWRR-10002	2.00	97.55	2.83	29.6	68	68.6	31.5	675	5.17	1.7	.1	1.7	.4	11.8	.04	.16	.27	80	1.27	.070	2.7	93.4	1.83	388.8	.340	3	2.10	.101	.24	1.6	.04	8	2.2	.08	5.8
NWRR-10105	.44	9.00	1.29	74.0	26	26.5	32.4	2816	7.28	1.8	<.1	1.5	.1	16.3	.04	.29	<.02	226	3.43	.079	3.0	13.0	2.55	42.3	.308	9	4.82	.053	<.01	.6	<.02	<5	<.1	<.02	17.2
NWRR-10110	.63	53.02	.85	65.7	41	60.6	27.9	893	5.03	2.0	.1	1.7	.1	18.5	.11	.16	<.02	159	2.25	.056	1.5	106.9	1.98	21.5	.521	1	2.86	.146	.03	.8	<.02	<5	.2	<.02	9.7
NWRR-10017	1.13	17.72	16.90	34.1	43	124.7	18.4	1145	4.33	12.1	.5	3.0	.5	456.0	.13	.29	.02	14	19.82	.079	6.6	50.9	1.95	82.0	.029	1	.42	.005	.05	.6	.02	15	.3	.07	1.4
NWRR-10102	.44	60.40	4.75	90.0	62	68.9	28.9	798	5.37	.3	<.1	1.4	.1	10.2	.21	.42	.02	151	2.17	.069	1.9	24.9	1.76	45.2	.453	3	3.07	.102	.02	.5	<.02	11	.6	<.02	12.2
NWRR-10155	.69	35.38	2.43	56.9	27	25.3	8.0	456	1.31	.1	.3	.7	1.6	24.8	.03	.07	.10	16	.26	.021	2.3	18.5	.50	757.7	.121	4	.83	.004	.23	2.1	.04	12	<.1	.07	2.9
NWRR-10012	.49	23.11	5.23	29.9	58	84.5	18.6	887	2.66	30.2	<.1	1.0	.2	467.5	.07	.19	<.02	6	21.71	.040	4.7	16.2	.61	48.7	.010	1	.19	.022	.02	.6	.02	28	.2	.06	.4
NWRR-10006	.63	60.44	.95	52.4	32	49.2	25.9	705	4.90	<.1	<.1	.8	<.1	12.5	.03	.03	<.02	157	1.42	.054	1.8	45.9	2.14	29.2	.312	4	2.74	.078	.04	.5	<.02	<5	.2	<.02	9.1
NWRR-10107	1.27	415.21	5.31	68.0	116	90.1	34.7	4054	9.44	1.6	.8	4.2	2.8	18.8	.09	.23	.19	259	1.40	.235	20.1	85.1	2.09	12.2	.131	1	3.25	.006	<.01	1.2	<.02	<5	4.8	.09	15.4
NWRR-10118	3.92	142.24	6.60	75.1	3522	66.2	4.5	11871	10.88	115.6	<.1	139.2	.8	21.6	.16	13.18	.12	28	.21	.019	3.2	9.7	.40	268.6	.005	<1	.25	.002	.05	2.2	.04	188	6.3	.04	1.1
RE NWRR-10118	3.94	141.12	6.63	75.2	3427	66.4	4.3	11833	10.84	115.6	<.1	136.9	.8	21.5	.14	12.73	.12	29	.21	.019	3.2	10.4	.40	277.4	.005	2	.24	.002	.05	2.2	.05	187	6.2	.04	1.3
RRE NWRR-10118	4.01	136.70	6.44	73.1	3558	65.2	4.2	11830	10.75	114.7	<.1	151.6	.8	21.4	.14	12.57	.13	29	.21	.019	3.4	9.4	.39	288.9	.003	1	.23	.002	.06	2.4	.04	178	5.6	.06	1.3
NWRR-10152	.27	42.65	1.15	63.0	40	55.3	29.8	1018	5.82	.2	<.1	1.6	.1	8.5	.05	.09	<.02	125	1.95	.065	2.9	17.1	2.36	30.0	.398	2	3.69	.071	.02	.4	<.02	<5	.1	<.02	11.7
NWRR-10106	.67	9.81	1.69	62.9	21	32.9	9.0	614	2.48	1.7	.2	.8	4.7	5.2	.02	.11	.12	18	.17	.029	17.4	29.1	.80	451.5	.024	8	1.60	.012	.37	1.0	.05	14	<.1	.03	5.7
NWRR-10004	.80	59.86	1.80	66.3	57	68.1	28.6	938	4.81	2.1	<.1	2.8	.1	10.9	.07	.20	<.02	90	1.32	.054	1.9	81.6	2.31	24.8	.275	1	3.06	.108	.08	.4	.03	<5	.2	<.02	9.6
NWRR-10108	1.33	23.80	1.89	23.0	21	58.7	18.8	1935	3.23	1.4	.5	2.0	3.1	13.9	.02	.14	.03	134	.39	.045	13.9	44.8	1.13	54.3	.166	1	1.67	.064	.02	2.6	<.02	<5	.1	.03	9.2
NWRR-10166	1.01	30.73	9.87	48.8	38	11.9	12.9	477	4.29	2.4	.6	2.9	3.0	45.2	.09	.10	.14	161	.51	.040	11.5	42.5	.51	88.4	.362	1	4.27	.114	.06	<.2	.11	34	.4	.03	10.6
NWRR-10020	.39	76.75	.77	56.4	107	184.4	46.9	1075	6.17	153.4	<.1	.8	<.1	88.7	.07	2.56	<.02	45	4.67	.045	1.7	178.2	3.76	144.9	.015	6	.99	.083	.13	.4	.04	<5	<.1	.02	1.6
NWRR-10104	10.89	707.11	1.79	39.7	119	32.0	21.1	529	3.83	1.4	.4	3.0	4.3	23.8	.10	.32	.43	61	.59	.033	6.8	52.4	1.17	114.3	.317	1	1.83	.077	.07	1.8	.03	<5	1.6	.13	6.4
NWRR-10005	.78	10.38	1.55	33.4	8	42.6	18.7	722	3.24	.6	.2	.9	1.9	10.9	.03	.08	.02	88	.79	.041	5.6	81.7	1.58	44.1	.291	2	2.05	.117	.03	1.1	.02	<5	.1	<.02	8.9
NWRR-10119	.24	70.02	1.14	54.3	37	48.7	36.6	1160	5.51	7.3	<.1	.5	<.1	26.6	.12	1.67	<.02	137	4.02	.023	1.1	166.8	4.11	152.7	.132	9	4.66	.089	.13	.2	.03	<5	.2	<.02	10.3
NWRR-10013	.76	24.39	9.39	1574.4	117	68.3	16.6	1640	5.20	71.7	.2	2.6	1.3	484.6	9.02	.34	<.02	10	14.40	.148	9.9	27.3	2.97	150.0	.029	1	.23	.015	.07	.9	<.02	377	.2	.07	.6
STANDARD DS2	13.69	129.08	31.77	157.3	271	35.3	11.6	805	3.34	55.3	18.4	191.2	3.6	28.4	9.66	8.51	10.73	75	.53	.088	14.9	157.5	.55	152.6	.090	4	1.69	.029	.16	6.5	1.73	233	2.3	1.78	5.8

Sample type: ROCK. Saaples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data 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 2398 File # A001847 Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
NWRR-10160	.58	.2	.34	.12	.2	4.3	.6	.11	<.05	12.1	12.38	6.4	.02	2	.1	6.9	30
NWRR-10150	.55	.1	.23	.14	1.1	4.0	.6	.01	<.05	4.6	18.09	10.1	.02	<1	.4	6.8	30
NWRR-10007	.16	.1	.18	.13	.5	5.5	.6	.03	<.05	5.1	13.24	7.4	.02	<1	.1	8.3	30
NWRR-10117	.12	.2	.10	.09	.5	4.2	.3	.01	<.05	2.7	8.91	5.2	<.02	<1	.1	55.4	30
NWRR-10147	.33	<.1	.13	.42	9.0	1.6	.4	.01	<.05	4.0	5.79	16.5	<.02	<1	.1	3.2	30
NWRR-10112	.29	.2	.23	.20	.2	5.8	.6	.41	<.05	5.9	15.43	7.8	.03	<1	.2	11.3	30
NWRR-10141	.23	.2	.44	.19	.4	7.4	.6	.01	<.05	14.5	19.15	7.1	.03	<1	.2	21.3	30
NWRR-10014	.16	<.1	.07	.26	2.7	11.1	.1	.03	<.05	2.8	11.66	26.3	.06	1	.1	3.6	30
NWRR-10001	.20	.1	.42	.14	5.1	5.0	1.0	3.17	<.05	12.7	11.27	6.9	.03	4	.2	24.4	30
NWRR-10116	.08	.3	.40	.22	.1	6.2	.7	.01	<.05	11.3	16.39	5.6	.04	1	.3	24.4	30
NWRR-10009	.14	<.1	.02	.17	2.9	4.4	<.1	.30	<.05	2.7	8.27	7.6	.03	<1	.1	1.1	30
NWRR-10103	.68	.1	.58	.08	4.6	8.8	32.6	.58	<.05	17.6	14.66	4.4	.17	<1	.2	14.7	30
RE NWRR-10103	.71	.1	.63	.09	5.3	9.2	35.2	.58	<.05	19.9	15.96	4.7	.17	<1	.2	15.5	30
RRE NWRR-10103	.69	.1	.65	.10	5.2	9.9	32.2	.59	<.05	20.3	16.17	4.7	.18	<1	.1	16.3	30
NWRR-10144	.23	<.1	.15	.13	7.6	1.4	.5	.06	<.05	4.5	5.07	34.6	.02	<1	.1	14.7	30
NWRR-10153	.13	.1	.10	.50	1.0	5.5	.7	.01	<.05	3.1	7.13	18.5	<.02	<1	.5	4.0	30
NWRR-10146	.62	.1	.22	.15	.6	5.7	.4	.07	<.05	6.4	18.47	9.3	.04	<1	.2	7.8	30
NWRR-10114	.09	.3	.45	.32	.3	16.1	.9	.01	<.05	11.5	21.72	7.1	.07	2	.1	55.2	30
NWRR-10008	.07	<.1	.07	.36	1.4	3.4	.1	.24	<.05	2.4	19.95	17.3	.05	<1	.1	1.0	30
NWRR-10003	1.17	<.1	.29	.42	12.0	3.6	.8	.03	<.05	7.5	8.95	19.5	.02	<1	.4	4.9	30
NWRR-10011	.05	<.1	<.02	.06	.4	2.8	<.1	.48	<.05	.2	19.37	18.2	.04	<1	<.1	.6	30
NWRR-10101	.16	.2	.47	.12	.3	4.0	.7	.44	<.05	15.1	17.28	6.2	.03	<1	.2	9.6	30
NWRR-10015	.22	<.1	.11	.35	3.4	1.8	.1	.01	<.05	5.5	17.88	21.0	.02	<1	.2	16.5	30
NWRR-10113	.19	.1	.48	.15	1.5	9.1	.8	.04	<.05	17.0	16.78	4.6	.03	2	.2	20.2	30
NWRR-10133	1.16	<.1	.60	.25	4.4	7.7	1.4	.02	<.05	35.9	14.21	28.1	.05	<1	.6	10.8	10
NWRR-10145	.07	.1	.08	.07	.7	4.6	.3	.01	<.05	2.0	6.34	3.8	<.02	<1	<.1	56.6	30
NWRR-10111	.12	.1	.27	.21	1.7	5.0	.7	.01	<.05	5.4	13.19	6.7	.02	<1	.2	18.6	30
RE NWRR-10111	.12	.1	.29	.23	1.7	5.0	.7	.01	<.05	4.9	13.38	6.7	.02	<1	.2	18.2	30
RRE NWRR-10111	.12	.1	.25	.23	1.8	5.4	.7	.01	<.05	7.6	13.98	7.1	<.02	1	.3	19.9	30
NWRR-10148	.43	.2	.36	.64	6.9	6.2	.5	.01	<.05	9.9	8.57	4.1	<.02	2	.2	14.7	30
NWRR-10157	.11	.1	.59	.17	.6	8.8	.9	.01	<.05	19.0	20.48	5.9	.03	<1	.2	20.6	30
NWRR-10142	.13	.2	.32	.24	.2	5.9	.6	.01	<.05	6.9	15.96	9.4	.02	<1	.3	13.4	30
NWRR-10115	.16	.3	.14	.11	.7	20.7	.5	.02	<.05	3.0	16.53	5.7	.05	<1	.1	74.6	30
STANDARD DS2	3.14	<.1	.06	1.29	12.9	2.6	25.3	.01	<.05	2.8	7.67	28.7	5.37	<1	.5	13.9	30

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: ROCK Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 14 2000 DATE REPORT MAILED: July 5/00 SIGNED BY..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
NWRR-10109	.15	.2	.42	.15	.6	7.6	.6	.53	<.05	11.3	11.93	5.3	.03	7	.2	16.4	30
NWRR-10016	.16	<.1	.09	1.64	1.8	5.0	.3	1.57	.10	8.9	11.65	38.2	.04	<1	.4	13.9	30
NWRR-10010	.03	<.1	.05	.18	.5	2.8	<.1	.06	<.05	1.4	7.42	7.6	.08	<1	.2	2.3	30
NWRR-10151	.12	.1	.09	.48	.6	6.2	.4	<.01	<.05	3.1	7.87	24.4	<.02	<1	.5	4.0	30
NWRR-10143	.15	.1	.31	.18	1.6	4.2	.5	.07	<.05	11.3	11.16	7.3	<.02	<1	.1	6.2	30
NWRR-10120	.11	<.1	.03	.04	3.3	.9	.1	.09	<.05	1.3	1.16	8.4	<.02	<1	.1	3.7	30
NWRR-10019	.39	<.1	<.02	<.02	3.0	15.6	<.1	.01	<.05	.7	8.77	5.0	.04	<1	<.1	7.4	30
NWRR-10002	.18	.1	.41	.22	5.2	5.4	.9	3.28	<.05	13.3	10.85	7.1	.03	5	.2	21.7	30
NWRR-10105	.22	.4	.31	.13	.2	13.6	.5	<.01	<.05	8.8	23.95	9.2	.06	<1	.8	35.4	30
NWRR-10110	.09	.2	.61	.16	.7	9.0	.7	.02	<.05	19.2	15.18	5.0	.04	<1	.3	11.8	30
NWRR-10017	.17	<.1	.14	.41	1.4	3.1	.1	.25	<.05	7.5	9.78	11.7	.04	<1	.2	9.1	30
NWRR-10102	.19	.2	.42	.10	.4	4.7	.8	.28	<.05	13.8	16.48	6.1	.04	<1	.2	15.3	30
NWRR-10155	.51	<.1	.22	.37	6.6	1.9	.6	.08	<.05	2.9	4.61	7.4	.02	2	.2	1.6	30
NWRR-10012	.06	<.1	<.02	.03	.8	3.6	<.1	.11	<.05	1.0	5.95	8.6	.03	<1	<.1	2.0	30
NWRR-10006	.32	.1	.10	.09	1.1	6.7	.4	.08	<.05	2.1	11.92	5.8	.04	<1	.1	6.9	30
NWRR-10107	.20	<.1	.18	.44	.1	6.6	2.8	3.15	<.05	7.9	33.99	20.8	.06	7	.3	19.7	30
NWRR-10118	.23	.1	.02	.07	2.8	2.3	.2	1.50	<.05	1.1	2.19	7.3	.03	<1	<.1	1.0	30
RE NWRR-10118	.23	.1	.03	.07	3.0	2.0	.2	1.47	<.05	1.0	2.12	7.6	.03	1	<.1	.9	30
RRE NWRR-10118	.23	.1	.02	.07	3.0	2.1	.2	1.37	<.05	1.4	2.10	7.8	.03	<1	.1	1.1	30
NWRR-10152	.42	.2	.27	.22	.8	5.4	.6	<.01	<.05	7.3	17.17	8.6	.03	<1	.3	8.5	30
NWRR-10106	.68	<.1	.10	.22	10.5	4.3	.3	.04	<.05	4.5	6.55	42.3	.02	<1	.2	23.2	30
NWRR-10004	.45	.1	.30	.14	1.5	4.7	.5	.06	<.05	9.9	10.61	5.4	.02	1	.1	27.2	30
NWRR-10108	.05	<.1	.10	.45	.7	6.3	1.5	<.01	<.05	3.5	9.20	24.0	.02	<1	.3	16.9	30
NWRR-10166	1.27	<.1	.59	.32	4.5	8.0	1.3	<.01	<.05	37.8	14.25	28.5	.06	<1	.7	10.8	10
NWRR-10020	.35	<.1	.02	.03	3.5	17.5	<.1	.01	<.05	4.0	9.60	5.2	.04	2	<.1	8.6	30
NWRR-10104	.10	.1	.19	.78	2.2	4.8	3.3	.88	.06	6.3	6.87	17.6	.02	6	.3	18.6	30
NWRR-10005	.33	.1	.28	.39	1.1	7.0	.8	<.01	<.05	10.8	9.87	14.1	<.02	<1	.1	9.0	30
NWRR-10119	.96	.1	.10	.06	5.1	16.9	.2	.04	<.05	2.1	10.51	3.5	.04	<1	.1	60.8	30
NWRR-10013	.13	<.1	.05	.29	2.3	5.2	<.1	.08	<.05	3.4	12.21	18.1	.08	<1	.2	2.2	30
STANDARD DS2	3.15	<.1	.04	1.33	13.0	2.7	25.7	.02	<.05	2.8	7.72	28.6	5.36	<1	.6	14.0	30

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

Data 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 2398 File # A001847R Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Ba ppm	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
NWRR-10160	55	39.3	.7	16.2	3.3	3.1	1.2	1	157.5	.3	.3	.1	.2	300	2	108.1	35.0	5.1	15.0	2.43	12.7	4.6	1.61	5.02	.93	5.66	1.26	3.73	.52	3.40	.52
NWRR-10150	1061	34.9	.7	17.3	3.5	3.1	8.2	1	115.2	.3	.4	.2	.1	324	1	115.8	38.6	5.4	16.1	2.69	14.5	4.8	1.70	5.81	1.05	6.51	1.43	4.25	.58	3.72	.59
NWRR-10007	136	38.6	.2	14.7	2.6	2.4	2.5	1	256.8	.2	.3	.2	<.1	258	<1	92.5	31.0	4.0	12.1	2.03	11.1	3.6	1.29	4.50	.80	5.28	1.13	3.43	.47	3.08	.44
NWRR-10117	169	46.9	.2	14.7	2.5	2.5	2.5	1	89.9	.6	.3	.5	<.1	209	1	82.5	25.8	3.9	11.3	1.77	9.6	3.4	1.20	3.84	.67	4.24	.92	2.84	.38	2.54	.41
NWRR-10147	3207	3.1	1.6	10.5	2.3	4.6	64.1	1	2.9	.5	4.4	.4	1.1	69	1	78.5	11.8	12.9	28.1	3.25	12.2	2.8	.36	2.29	.35	2.14	.46	1.33	.19	1.36	.22
NWRR-10112	99	32.9	.4	16.1	3.2	3.1	1.5	1	111.0	.3	.3	<.1	.1	293	1	105.7	34.0	4.8	14.7	2.37	13.1	4.3	1.35	4.96	.90	5.65	1.25	3.72	.52	3.42	.53
NWRR-10141	224	42.1	.7	15.6	3.2	2.3	4.3	2	133.6	.3	.4	.5	.2	304	2	101.2	36.9	4.4	12.6	2.12	11.0	4.6	1.27	5.09	.93	5.85	1.31	3.85	.53	3.55	.56
NWRR-10014	676	48.1	1.2	16.5	4.3	29.9	32.2	2	232.5	2.3	2.7	.2	1.1	211	5	158.3	22.6	24.0	51.5	6.39	27.4	6.4	2.23	5.58	.81	4.53	.84	2.25	.27	1.76	.26
NWRR-10001	3527	35.0	2.2	17.4	3.3	3.6	54.6	3	88.7	.3	.9	.8	.3	253	2	110.0	33.1	7.8	19.3	2.84	14.4	4.2	1.11	5.01	.85	5.58	1.21	3.56	.48	3.34	.50
NWRR-10116	145	42.2	.2	14.8	2.6	5.4	1.1	2	109.2	.4	.5	.2	.1	283	1	82.4	30.6	5.3	13.7	2.10	10.9	3.7	1.44	4.39	.80	4.84	1.12	3.31	.44	3.05	.46
NWRR-10009	1447	28.3	1.0	5.2	1.4	18.9	32.5	1	785.6	1.3	1.7	.1	.5	77	2	55.1	11.9	17.6	31.9	3.61	14.7	2.8	1.05	2.73	.38	2.21	.44	1.16	.14	.98	.14
NWRR-10103	300	31.0	1.6	19.9	3.6	2.7	31.7	51	110.6	.3	.2	.3	.5	339	<1	116.1	38.0	4.5	14.4	2.39	13.6	4.4	1.38	5.70	1.00	6.35	1.39	4.23	.57	3.88	.61
RE NWRR-10103	307	29.8	1.4	19.4	3.8	2.6	30.3	50	109.8	.9	.3	.3	.5	331	1	113.6	37.7	4.4	14.3	2.43	13.4	4.6	1.31	5.47	1.04	6.41	1.40	4.20	.55	3.79	.59
RRE NWRR-10103	283	30.4	1.5	19.8	3.6	2.6	29.1	43	113.5	.2	.2	.1	.5	330	<1	118.0	37.5	4.5	14.0	2.45	13.2	4.7	1.33	5.50	1.03	6.28	1.37	4.20	.58	3.92	.59
NWRR-10144	476	11.2	1.5	9.3	6.2	16.8	75.7	2	75.4	1.4	8.7	.2	1.6	40	2	211.8	12.7	31.1	63.4	6.80	25.7	4.6	.92	3.25	.42	2.46	.46	1.37	.18	1.21	.19
NWRR-10153	209	6.7	.3	8.0	2.7	6.1	7.2	1	39.3	.6	5.1	.1	1.3	51	7	95.1	13.2	16.4	42.2	3.90	14.7	3.0	.67	2.59	.39	2.40	.49	1.50	.21	1.46	.24
NWRR-10146	84	38.2	.8	17.7	3.9	3.9	2.9	1	137.3	.3	.4	<.1	.1	316	1	128.0	41.6	6.1	18.0	2.85	16.1	5.6	1.81	6.19	1.08	6.79	1.53	4.55	.62	4.13	.65
NWRR-10114	78	43.0	.1	16.2	3.7	7.0	.8	1	127.9	.6	.8	<.1	.3	327	1	119.8	39.5	7.0	18.6	2.82	14.3	4.8	1.66	5.69	1.02	6.50	1.44	4.20	.56	3.89	.60
NWRR-10008	949	15.7	.4	5.5	1.7	21.1	18.2	<1	844.4	1.6	2.3	<.1	1.1	73	11	62.4	26.1	49.5	87.7	9.13	34.1	6.9	2.15	5.60	.81	4.42	.76	1.92	.21	1.24	.16
NWRR-10003	589	10.3	4.0	12.0	4.0	6.5	79.6	1	28.3	.7	6.4	.2	1.5	52	3	137.1	15.5	19.4	52.8	4.85	18.6	4.0	.74	3.24	.51	3.19	.63	1.85	.26	1.75	.27
NWRR-10011	276	5.5	.3	.9	<.5	3.2	5.1	<1	882.3	.2	.3	<.1	.1	15	2	10.5	19.6	20.2	38.4	4.41	17.4	3.8	1.86	4.05	.59	3.25	.58	1.30	.13	.75	.09
NWRR-10101	52	42.6	.3	16.6	3.6	2.6	1.4	1	97.8	.2	.2	<.1	.2	319	2	109.3	40.1	4.8	14.6	2.39	13.2	4.5	1.73	5.58	.98	6.56	1.45	4.27	.58	3.90	.58
NWRR-10015	339	7.2	1.2	6.4	1.8	10.0	34.1	<1	1044.4	.6	5.0	<.1	2.0	23	1	60.5	24.4	29.5	53.5	6.72	26.0	5.1	1.43	4.60	.74	4.30	.82	2.15	.26	1.68	.23
NWRR-10113	132	42.7	.5	16.8	3.9	2.7	7.4	1	133.3	.3	.3	<.1	.2	338	1	117.6	43.4	5.0	15.8	2.60	14.4	5.1	1.72	5.96	1.08	7.02	1.53	4.57	.60	4.24	.65
NWRR-10133	372	18.4	2.6	21.4	6.1	7.8	39.0	2	340.7	.6	5.5	.2	1.5	176	1	198.0	30.2	22.3	54.0	6.18	26.4	6.2	1.85	5.41	.86	5.14	1.09	3.29	.46	3.05	.49
NWRR-10145	429	48.5	.3	13.0	1.8	1.7	6.1	<1	145.6	.2	.1	<.1	<.1	185	<1	54.0	20.1	2.5	7.9	1.27	7.0	2.7	.90	2.93	.53	3.50	.74	2.23	.29	1.98	.30
NWRR-10111	173	37.1	.4	18.1	3.6	3.4	7.4	1	220.0	.3	.3	<.1	.2	316	<1	114.4	38.4	5.1	16.0	2.56	14.0	4.6	1.76	5.55	1.01	6.27	1.38	4.09	.56	3.82	.58
RE NWRR-10111	175	36.8	.3	18.0	3.3	3.3	7.8	2	224.5	.3	.3	<.1	.1	314	1	114.5	38.5	5.3	15.7	2.52	13.6	4.2	1.75	5.43	.99	6.35	1.36	4.10	.55	3.79	.55
RRE NWRR-10111	169	34.9	.3	16.8	3.4	3.2	7.1	1	217.7	.3	.3	<.1	<.1	294	1	107.6	37.1	4.9	15.5	2.45	13.6	4.4	1.64	5.19	.92	6.14	1.28	3.93	.55	3.55	.55
NWRR-10148	474	41.4	.8	18.8	3.5	11.6	19.8	1	211.6	.9	.9	<.1	.3	369	<1	112.9	43.1	10.9	25.3	3.43	16.8	5.3	1.70	6.00	1.06	6.94	1.52	4.46	.59	4.11	.65
NWRR-10157	152	44.1	.2	17.2	4.1	3.0	4.0	1	104.9	.2	.2	<.1	<.1	360	1	128.9	45.0	5.1	16.6	2.78	15.0	5.5	1.93	6.43	1.15	7.59	1.65	4.94	.66	4.40	.68
NWRR-10142	63	36.5	.2	15.0	3.5	3.1	1.5	<1	79.7	.3	1.2	<.1	.4	275	1	111.0	38.1	8.4	21.7	3.20	16.1	4.5	1.88	5.52	.96	6.36	1.35	4.03	.52	3.75	.59
NWRR-10115	316	37.8	.4	12.7	2.4	2.4	5.6	<1	209.1	.2	.1	<.1	<.1	232	<1	76.5	27.6	3.3	10.5	1.69	9.2	3.3	1.28	3.84	.74	4.65	1.00	2.82	.38	2.57	.40
STANDARD SO-15	2039	22.1	2.8	16.8	26.6	31.4	65.1	19	404.6	1.9	24.8	1.1	21.3	146	21	1036.6	23.2	29.5	59.1	6.25	24.1	4.6	1.02	3.96	.60	3.71	.77	2.47	.33	2.50	.42

GROUP 4B - REE - LiBO2 FUSION, ICP/MS FINISHED.
- SAMPLE TYPE: ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 13/00 SIGNED BY: D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 FILE # A001847R

ACME ANALYTICAL

SAMPLE#	Ba ppm	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
NWRR-10109	140	34.6	.3	18.8	3.4	2.7	4.5	1	147.6	.2	.3	.3	.1	339	<1	135.3	41.3	4.7	15.7	2.55	14.2	4.7	1.93	5.86	1.12	7.18	1.52	4.66	.65	4.21	.66
NWRR-10016	536	47.2	1.1	4.8	1.9	61.8	13.7	1	299.2	3.5	10.1	.4	2.8	72	4	106.9	15.8	73.5	148.4	15.53	57.3	8.7	2.77	5.01	.70	3.94	.59	1.56	.16	.97	.13
NWRR-10010	234	14.1	.2	2.0	1.0	11.5	5.2	<1	738.0	.9	1.4	.1	.6	31	5	45.8	9.7	11.9	22.7	2.50	9.9	2.0	1.23	2.12	.30	1.76	.32	.84	.11	.62	.09
NWRR-10151	96	6.5	.2	8.8	2.9	6.2	3.4	<1	44.0	.6	5.8	.2	1.2	63	5	114.8	15.1	17.9	47.8	4.42	17.3	3.4	.78	3.06	.45	2.80	.54	1.65	.22	1.62	.26
NWRR-10143	104	40.1	.3	18.4	3.5	3.7	6.8	1	276.3	.3	.3	.2	.1	304	2	138.7	40.2	5.7	17.8	2.75	14.9	4.7	1.72	5.84	1.08	6.98	1.49	4.37	.59	3.95	.61
NWRR-10120	2000	4.4	.6	4.3	.6	1.9	23.5	<1	27.4	.3	1.4	.6	.8	30	5	22.0	4.1	4.5	9.8	1.10	4.3	.9	.07	.86	.13	.82	.16	.49	.07	.49	.08
NWRR-10019	1016	45.5	1.6	15.2	3.2	2.1	44.7	1	212.1	.3	.4	.3	.2	212	7	77.3	23.8	3.2	9.9	1.58	8.6	2.8	.77	3.58	.64	4.15	.92	2.62	.36	2.40	.37
NWRR-10002	3358	32.6	2.0	17.4	3.2	3.9	50.4	3	91.3	.4	1.3	.4	.6	248	4	124.0	33.0	8.9	20.9	2.93	14.6	4.4	1.35	4.93	.87	5.59	1.16	3.61	.49	3.30	.52
NWRR-10105	130	32.0	.3	19.6	3.3	3.2	1.2	1	88.5	.3	.3	.7	.1	313	2	124.5	38.8	4.8	15.6	2.52	13.9	4.5	1.77	5.69	1.02	6.52	1.39	4.16	.55	3.73	.60
NWRR-10110	55	40.6	.4	18.0	3.3	2.4	3.2	1	128.1	.2	.2	<.1	.5	318	2	120.4	39.3	4.2	14.2	2.37	12.6	4.5	1.66	5.54	1.03	6.78	1.43	4.35	.60	3.89	.60
NWRR-10017	459	19.3	1.3	4.8	1.2	13.2	16.2	<1	439.0	.9	1.6	<.1	1.6	57	2	57.1	12.8	19.0	36.3	3.90	16.3	3.5	1.62	3.27	.47	2.41	.41	1.00	.11	.63	.10
NWRR-10102	83	42.7	.3	18.7	3.3	2.6	1.8	1	110.0	.2	.2	<.1	.1	347	1	134.7	42.4	4.6	15.0	2.47	13.8	4.6	1.76	5.78	1.08	6.88	1.50	4.52	.62	4.09	.65
NWRR-10155	2158	9.4	2.1	13.0	3.3	6.5	68.2	1	109.8	.6	5.6	.1	1.3	70	3	130.4	14.1	16.3	47.1	4.06	15.1	3.0	.50	2.82	.45	2.82	.55	1.66	.23	1.58	.27
NWRR-10012	359	19.1	.3	3.9	.9	11.2	8.7	<1	547.8	.8	1.0	<.1	.4	59	2	38.9	8.3	9.7	18.7	2.06	8.0	1.6	1.00	1.67	.24	1.39	.26	.71	.08	.57	.08
NWRR-10006	164	39.1	.5	14.5	2.5	2.2	5.8	<1	319.7	.3	.2	<.1	<.1	278	2	92.1	30.4	3.5	11.2	1.81	9.9	3.5	1.19	4.13	.77	5.09	1.09	3.32	.43	2.95	.47
NWRR-10107	19	32.7	.3	15.3	2.7	5.8	.6	3	34.3	.4	4.4	<.1	2.5	282	2	142.8	54.1	36.2	40.1	10.41	45.1	10.8	2.85	9.88	1.70	10.73	2.24	6.87	.88	6.36	.96
NWRR-10118	2450	4.6	1.0	6.3	.8	2.2	25.5	<1	24.2	.2	1.6	.2	.4	133	6	32.9	7.6	6.8	15.5	1.77	7.0	1.6	.17	1.50	.23	1.45	.30	.96	.13	1.00	.17
RE NWRR-10118	2411	4.8	1.0	6.3	.8	2.4	26.7	<1	24.7	.3	1.6	.2	.4	132	6	37.1	7.6	6.9	15.9	1.83	7.4	1.6	.16	1.52	.23	1.52	.31	.97	.13	1.01	.17
RRE NWRR-10118	2501	4.7	1.0	6.3	.9	2.3	26.7	<1	23.6	.2	1.6	.1	.4	133	7	34.5	7.8	6.9	15.7	1.79	7.4	1.5	.15	1.48	.23	1.52	.31	1.00	.13	1.01	.17
NWRR-10152	192	41.2	.5	16.6	3.0	2.8	4.3	1	126.9	.2	.2	<.1	<.1	294	1	113.1	35.6	4.9	15.0	2.36	12.9	4.1	1.33	5.06	.92	5.95	1.30	3.87	.52	3.44	.54
NWRR-10106	1616	10.3	2.4	15.6	4.7	7.9	71.7	2	18.6	.8	7.6	.2	1.6	56	4	188.2	19.7	21.4	58.9	5.22	21.0	4.1	.86	3.68	.58	3.71	.73	2.31	.30	2.15	.34
NWRR-10004	95	43.1	.6	16.3	5.7	2.7	6.6	<1	148.9	.2	.3	<.1	.1	294	2	108.8	32.4	4.3	13.2	2.07	11.2	3.8	1.37	4.43	.83	5.42	1.17	3.56	.46	3.19	.50
NWRR-10108	137	21.1	.2	13.1	2.8	4.9	3.7	2	42.2	.4	4.2	.1	1.7	159	4	121.4	22.6	21.1	41.8	6.10	25.7	5.8	1.47	5.04	.82	4.91	.98	2.97	.42	2.86	.47
NWRR-10166	352	19.4	2.3	22.0	5.1	6.8	38.1	2	320.9	.6	5.2	.2	1.4	183	1	202.8	28.3	20.6	50.4	5.64	24.5	5.4	1.62	4.96	.81	5.02	1.03	3.11	.41	2.95	.46
NWRR-10020	899	45.6	1.4	14.9	2.0	1.9	41.5	<1	203.8	.2	.1	.2	<.1	224	5	76.4	23.3	2.9	9.0	1.45	8.1	2.6	.82	3.23	.62	3.92	.86	2.59	.34	2.27	.35
NWRR-10104	406	23.2	.4	14.1	5.3	8.9	13.5	5	167.7	.8	6.7	.1	1.8	114	3	207.1	23.2	21.5	56.1	5.36	21.4	4.5	1.22	4.17	.67	4.14	.85	2.68	.35	2.54	.41
NWRR-10005	222	27.3	.6	14.5	3.4	5.6	5.9	2	87.9	.5	4.0	.1	1.0	179	2	132.7	25.3	12.9	36.5	3.65	16.1	3.9	1.08	4.23	.70	4.43	.89	2.75	.37	2.50	.39
NWRR-10119	533	39.5	2.1	15.7	1.6	1.4	31.5	<1	189.8	.1	<.1	.2	<.1	191	2	53.7	17.9	1.8	5.9	1.02	5.7	2.1	.77	2.52	.49	3.11	.68	2.07	.27	1.85	.30
NWRR-10013	1370	18.3	1.2	9.0	3.4	46.2	29.9	1	520.1	3.4	4.5	.2	1.7	102	9	149.2	20.4	39.8	74.8	7.84	28.3	5.0	2.16	4.28	.66	4.01	.69	1.94	.23	1.52	.22
STANDARD SO-15	1984	21.9	2.7	17.0	26.1	29.8	64.7	17	389.8	1.9	24.1	1.2	20.8	151	19	1052.1	23.2	29.1	60.6	6.17	23.6	4.5	1.05	3.92	.61	3.85	.76	2.44	.34	2.55	.41

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

Data 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 2398 File # A001847R Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
NWRR-10160	1.6	67	3	92	90	<2	.4	<1	2
NWRR-10150	<.5	12	3	89	60	<2	.4	<1	1
NWRR-10007	1.0	39	<3	71	116	<2	.2	<1	1
NWRR-10117	.6	52	<3	66	231	<2	.3	<1	1
NWRR-10147	1.3	7	6	32	29	6	.2	1	<1
NWRR-10112	.5	69	<3	75	39	<2	.3	<1	1
NWRR-10141	<.5	36	<3	79	108	3	.3	1	1
NWRR-10014	1.5	61	4	82	233	70	.3	1	<1
NWRR-10001	<.5	102	<3	62	83	<2	.4	<1	2
NWRR-10116	<.5	56	<3	79	69	2	.3	<1	1
NWRR-10009	<.5	70	10	39	114	82	<.2	1	<1
NWRR-10103	1.4	313	11	393	47	4	1.5	<1	1
RE NWRR-10103	1.4	311	12	399	47	5	1.7	<1	1
RRE NWRR-10103	.9	309	10	388	47	5	1.7	<1	1
NWRR-10144	3.8	22	14	45	73	6	<.2	3	<1
NWRR-10153	4.5	5	22	26	29	<2	<.2	1	1
NWRR-10146	.8	37	8	95	51	<2	.4	<1	1
NWRR-10114	.7	59	<3	101	63	<2	.5	<1	1
NWRR-10008	1.5	5	68	123	26	27	.8	1	<1
NWRR-10003	.9	13	9	54	30	3	<.2	1	<1
NWRR-10011	.8	17	7	91	19	2	.6	<1	<1
NWRR-10101	.7	52	4	93	92	<2	.5	1	1
NWRR-10015	<.5	6	13	37	16	<2	<.2	<1	<1
NWRR-10113	.5	48	<3	98	92	<2	.3	<1	2
NWRR-10133	1.9	35	15	79	14	6	.2	<1	1
NWRR-10145	.8	90	<3	77	219	<2	.4	<1	<1
NWRR-10111	.6	49	<3	88	46	<2	.4	<1	1
RE NWRR-10111	.6	51	<3	85	45	<2	.4	<1	1
RRE NWRR-10111	.6	49	<3	86	45	<2	.4	1	1
NWRR-10148	<.5	60	3	130	49	<2	.4	<1	1
NWRR-10157	.7	65	4	99	86	<2	.3	<1	1
NWRR-10142	.6	12	<3	59	110	5	.2	<1	2
NWRR-10115	<.5	74	<3	56	116	12	.3	<1	1
STANDARD CT3	26.6	66	40	179	38	59	22.0	22	22
STANDARD G-2	2.0	3	21	53	8	<2	<.2	<1	<1

GROUP 1EX - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2000 **DATE REPORT MAILED:** Dec 13/00 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
NWRR-10109	1.8	97	<3	109	86	4	.3	<1	2
NWRR-10016	6.5	19	12	116	442	200	.2	3	1
NWRR-10010	1.2	6	13	2544	53	9	13.3	<1	1
NWRR-10151	3.3	4	9	17	33	2	<.2	<1	<1
NWRR-10143	1.2	53	4	90	56	<2	.4	<1	3
NWRR-10120	2.0	38	4	26	15	3	<.2	1	1
NWRR-10019	<.5	65	<3	58	184	79	.4	1	1
NWRR-10002	2.0	102	<3	61	80	2	.2	<1	1
NWRR-10105	.5	6	<3	82	26	6	.2	<1	2
NWRR-10110	.5	51	<3	90	80	3	.2	<1	3
NWRR-10017	1.7	18	16	36	125	5	<.2	1	1
NWRR-10102	.5	56	12	106	89	<2	.3	<1	2
NWRR-10155	1.0	39	4	65	26	<2	<.2	<1	<1
NWRR-10012	1.1	25	4	30	86	18	<.2	<1	1
NWRR-10006	.9	59	<3	64	70	<2	<.2	<1	1
NWRR-10107	1.2	381	3	70	89	<2	.2	<1	1
NWRR-10118	3.8	145	5	86	76	48	<.2	17	<1
RE NWRR-10118	4.2	149	5	88	76	53	<.2	16	1
RRE NWRR-10118	4.2	142	5	87	77	49	<.2	16	<1
NWRR-10152	<.5	39	<3	80	85	<2	.4	<1	2
NWRR-10106	1.2	10	<3	67	33	3	<.2	1	<1
NWRR-10004	1.0	57	<3	82	91	<2	<.2	<1	3
NWRR-10108	1.8	23	<3	25	60	2	<.2	1	<1
NWRR-10166	1.4	33	15	80	14	5	.2	1	2
NWRR-10020	<.5	75	<3	60	190	100	.2	3	1
NWRR-10104	12.3	705	<3	44	30	<2	<.2	<1	2
NWRR-10005	1.1	7	<3	43	52	<2	<.2	<1	2
NWRR-10119	<.5	68	<3	55	45	9	.2	2	<1
NWRR-10013	1.3	24	10	2071	74	75	9.8	<1	1
STANDARD CT3	26.9	65	41	182	38	62	22.3	22	23
STANDARD G-2	1.6	3	21	51	7	<2	<.2	<1	1

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

Data 1 FA ___

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

WHOLE ROCK ICP ANALYSIS

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A001848 Page 1

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
SJCD-17506	58.85	12.24	7.78	3.63	3.75	1.59	1.02	1.18	.20	.12	.024	527	73	111	152	25	<10	21	9.5	1.56	<.01	99.99
SJCD-17516	52.70	12.75	8.31	3.62	4.26	1.63	.65	1.25	.15	.17	.035	318	88	118	190	82	<10	64	14.3	2.53	.03	99.93
SJCD-17501	58.66	12.13	8.54	3.58	4.60	1.64	.79	1.30	.18	.18	.028	660	76	124	138	27	<10	25	8.5	.59	<.01	100.25
SJCD-17508	65.89	12.17	6.59	2.55	2.16	1.53	1.41	1.21	.15	.10	.034	970	74	127	212	25	<10	16	6.0	.44	<.01	99.96
SJCD-17514	60.66	11.48	8.16	4.15	5.10	1.87	.66	1.34	.12	.15	.029	435	81	111	175	29	<10	29	6.4	.37	<.01	100.22
SJCD-17510	66.77	10.57	6.70	3.42	3.59	1.71	.87	1.17	.14	.13	.027	619	82	117	186	29	<10	24	5.1	.20	<.01	100.32
SJCD-17512	65.46	12.04	6.88	2.47	2.17	1.53	1.17	1.09	.12	.11	.023	533	68	108	202	23	<10	20	6.7	.37	<.01	99.88
SJCD-17517	68.22	11.92	6.33	2.27	2.20	1.69	1.35	1.09	.12	.13	.017	507	58	131	272	34	<10	21	4.5	.16	<.01	99.96
SJCD-17504	63.30	9.85	5.32	2.52	2.88	1.52	.71	1.19	.19	.08	.024	957	61	98	198	21	<10	18	12.5	3.15	.03	100.24
SJCD-17515	56.45	11.92	7.33	2.03	2.66	1.61	1.11	1.11	.32	.13	.020	470	53	128	209	47	<10	29	15.3	3.81	<.01	100.10
SJCD-17502	57.26	12.71	9.01	3.51	4.59	1.66	.77	1.30	.14	.18	.026	659	70	133	142	31	<10	29	8.7	.28	<.01	99.98
SJCD-17518	68.30	10.32	6.52	3.17	3.51	1.66	.92	1.14	.15	.13	.020	433	62	112	234	28	<10	22	4.2	.15	<.01	100.15
SJCD-17505	62.67	12.59	7.35	3.69	3.78	1.73	1.33	1.20	.15	.14	.026	1162	79	119	145	28	<10	25	5.6	.38	<.01	100.44
SJCD-17509	68.40	10.91	5.89	2.73	2.93	1.77	.96	1.13	.11	.13	.022	643	65	112	233	26	<10	20	5.0	.24	<.01	100.11
SJCD-17513	59.52	12.23	8.31	3.90	4.36	1.85	.77	1.22	.07	.15	.024	462	85	119	163	26	<10	28	7.7	.40	<.01	100.21
SJCD-17507	63.95	11.91	7.28	3.18	4.24	2.08	.79	1.47	.12	.15	.023	644	69	185	251	33	<10	25	4.7	.19	<.01	100.04
SJCD-17511	62.09	11.00	8.05	3.77	3.66	1.46	.60	1.21	.09	.21	.023	1157	80	258	164	29	<10	29	7.6	.31	<.01	99.96
SJCD-17503	56.43	11.98	9.58	4.83	6.00	2.13	.63	1.42	.18	.16	.030	518	87	115	121	30	<10	32	6.7	.10	<.01	100.18
GSMD-17578	62.75	11.16	4.95	2.25	6.35	1.41	1.93	.74	.14	.06	.012	529	44	295	240	26	12	12	8.1	1.49	<.01	99.99
RE GSMD-17578	62.76	11.22	4.92	2.27	6.34	1.47	1.83	.74	.14	.06	.012	530	48	296	242	26	15	11	8.1	1.50	<.01	100.00
GSMD-17688	64.93	13.66	6.96	2.03	1.20	1.78	2.46	1.35	.24	.09	.016	1301	65	110	255	33	17	16	4.9	.35	<.01	99.83
GSMD-17685	62.88	14.74	7.68	1.73	1.14	1.29	2.29	1.31	.24	.18	.017	1710	77	86	216	37	15	18	6.2	.57	<.01	99.95
GSMD-17519	67.79	11.91	6.47	1.99	1.77	1.24	2.00	1.04	.21	.10	.020	2354	67	114	191	34	14	19	5.1	.30	<.01	99.96
GSMD-17580	72.22	9.88	5.36	2.09	2.09	1.60	1.05	1.13	.10	.09	.016	700	51	96	307	26	10	17	4.4	.28	.01	100.17
GSMD-17686	60.83	15.42	8.27	2.32	.56	1.51	2.66	1.27	.21	.12	.016	1914	78	86	174	26	16	19	6.5	.50	<.01	99.95
GSMD-17573	69.23	10.35	6.23	2.66	2.69	1.49	1.07	1.04	.18	.13	.017	1186	73	108	150	28	<10	20	4.7	.12	<.01	99.97
GSMD-17689	63.47	12.97	7.58	2.69	2.43	1.65	1.34	1.31	.21	.13	.020	1385	79	111	203	29	<10	22	5.8	.23	<.01	99.81
GSMD-17566	53.89	18.35	8.71	2.22	3.88	2.99	1.24	1.37	.15	.13	.008	371	24	338	183	27	<10	24	7.2	.66	.01	100.25
GSMD-17576	61.38	12.21	8.32	3.52	3.38	1.75	.98	1.25	.14	.21	.024	1361	98	143	199	36	<10	30	6.9	.30	<.01	100.28
GSMD-17561	63.06	10.38	7.39	4.78	4.41	1.76	.77	1.17	.10	.15	.026	708	116	115	161	28	<10	27	5.9	.17	<.01	100.03
GSMD-17570	70.60	9.85	5.22	2.00	1.93	1.49	.90	1.00	.09	.07	.017	504	62	87	229	22	10	14	6.9	.98	.01	100.18
GSMD-17577	73.10	9.05	4.80	2.28	3.21	1.68	.88	1.21	.13	.10	.018	864	51	113	265	28	13	18	3.6	.28	<.01	100.22
GSMD-17569	62.37	12.21	6.70	3.81	3.48	1.42	1.84	.85	.14	.11	.013	856	78	109	123	25	<10	18	6.9	.72	<.01	99.98
STANDARD SO-15/CSB	49.89	12.31	7.24	7.20	5.82	2.39	1.88	1.78	2.68	1.38	1.052	2030	78	393	974	21	19	12	5.9	2.38	5.30	99.94

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: -230 TILL
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 14 2000 DATE REPORT MAILED: July 5/00 SIGNED BY: ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data 1 FA ____

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GSMD-17697	61.50	16.08	6.78	1.57	1.16	.81	4.12	1.06	.24	.10	.014	2059	97	116	217	34	20	16	6.2	.27	.02	99.93
GSMD-17563	54.10	11.06	6.92	5.82	3.90	1.39	.68	.91	.16	.10	.044	459	180	78	126	21	<10	21	14.8	3.35	<.01	99.99
GSMD-17568	63.05	10.96	6.72	3.68	3.75	1.62	.69	1.16	.14	.15	.022	440	70	104	158	24	<10	24	8.0	1.03	<.01	100.04
GSMD-17693	65.58	12.17	6.60	2.81	3.20	1.78	1.60	1.29	.25	.11	.017	1388	76	163	217	32	11	20	4.2	.30	<.01	99.83
GSMD-17579	73.01	10.23	4.41	1.96	2.31	1.82	1.29	1.16	.14	.06	.016	787	49	124	235	28	12	16	3.4	.40	<.01	99.95
GSMD-17696	70.43	11.10	5.51	3.36	.73	.91	2.01	1.04	.19	.09	.035	2578	149	83	222	27	16	14	4.2	.25	<.01	99.96
GSMD-17700	67.79	13.24	6.13	1.67	1.05	1.45	2.60	1.13	.21	.10	.014	1715	87	118	229	28	16	14	4.2	.32	<.01	99.84
GSMD-17687	59.44	14.61	9.29	3.11	.95	1.38	2.76	1.17	.28	.16	.014	1717	95	97	157	32	16	21	6.4	.28	<.01	99.81
GSMD-17564	57.95	11.53	8.19	5.79	6.28	1.97	.45	1.32	.11	.15	.038	283	130	112	130	30	<10	32	6.2	.42	.01	100.07
GSMD-17698	65.34	14.16	6.88	1.69	1.17	1.38	2.51	1.15	.23	.08	.014	1729	63	129	222	33	16	17	5.1	.20	.03	99.96
GSMD-17575	67.43	10.45	6.19	3.30	3.53	1.72	1.05	1.15	.14	.13	.020	1118	87	119	166	27	<10	22	4.7	.18	<.01	99.99
GSMD-17520	70.91	12.03	5.21	1.69	1.28	1.30	2.24	1.06	.19	.08	.012	1986	58	100	233	35	14	15	3.7	.34	<.01	99.98
GSMD-17565	58.23	11.13	7.22	5.50	7.04	1.92	.31	1.40	.16	.15	.035	230	92	103	127	27	<10	32	6.8	.72	.02	99.97
GSMD-17574	71.37	9.99	5.17	2.45	3.09	1.80	.94	1.26	.10	.11	.017	982	58	121	249	29	<10	19	3.6	.28	<.01	100.07
GSMD-17562	62.88	10.78	7.44	4.68	4.26	1.75	.85	1.21	.15	.16	.025	704	115	116	163	30	<10	27	5.6	.23	<.01	99.92
GSMD-17683	61.28	15.55	8.50	2.03	.72	1.95	2.68	1.21	.26	.12	.010	1754	59	125	182	31	16	19	5.4	.34	.03	99.96
GSMD-17567	63.65	10.83	6.76	3.51	4.16	1.77	.74	1.27	.11	.12	.019	507	62	102	181	32	<10	27	7.1	.79	.02	100.15
GSMD-17695	70.43	12.30	5.40	1.45	.89	1.45	2.39	1.19	.19	.09	.015	2238	75	101	258	34	18	14	3.9	.18	<.01	100.01
GSMD-17571	61.68	11.47	8.85	3.82	4.04	1.56	1.09	1.24	.19	.19	.023	2027	104	119	155	40	10	28	5.7	.34	<.01	100.14
GSMD-17692	64.61	12.83	7.12	2.43	2.67	1.91	1.25	1.40	.23	.11	.018	1168	80	165	206	31	12	22	5.2	.17	<.01	99.97
GSMD-17681	64.65	13.83	7.60	1.74	1.33	1.82	2.44	1.30	.28	.14	.012	1462	54	133	213	35	16	19	4.6	.17	<.01	99.97
GSMD-17690	65.54	14.18	6.46	2.02	1.53	1.89	2.39	1.40	.16	.09	.016	1087	64	98	332	37	22	16	4.1	.27	<.01	99.97
RE GSMD-17690	65.42	14.06	6.59	2.02	1.53	1.87	2.37	1.43	.18	.09	.017	1077	71	97	324	37	20	16	4.2	.29	.01	99.97
GSMD-17572	49.79	11.19	9.51	1.69	1.61	1.19	1.12	.96	.40	.15	.015	763	80	104	177	42	10	18	22.2	5.28	.04	99.97
GSMD-17684	62.83	15.14	8.02	1.90	.71	2.08	2.50	1.20	.23	.12	.009	1693	53	118	165	30	15	18	5.0	.27	.02	99.98
GSMD-17694	37.31	5.02	3.07	8.03	20.05	.64	.93	.61	.43	.12	.010	736	71	171	135	40	<10	8	23.7	6.58	<.01	100.06
GSMD-17691	64.65	11.39	7.07	3.70	4.09	1.65	1.12	1.26	.20	.15	.022	1298	76	109	141	31	<10	24	4.5	.12	<.01	100.00
GSMD-17682	66.40	13.22	7.30	1.67	1.37	1.82	2.11	1.30	.25	.11	.009	1374	49	136	220	36	15	18	4.2	.20	<.01	99.97
GSMD-17699	70.19	11.54	3.94	1.68	2.51	2.62	2.22	.53	.15	.06	.016	447	95	301	189	15	<10	9	4.3	1.26	.02	99.88
PPD-17521	55.85	11.73	9.48	6.90	4.84	1.31	.92	1.12	.20	.17	.055	818	269	153	131	26	<10	29	7.4	.18	<.01	100.14
PPD-17539	61.29	12.28	8.25	3.85	4.50	2.03	1.06	1.39	.15	.17	.023	1092	84	192	168	32	<10	26	4.9	.10	<.01	100.08
PPD-17530	69.46	10.92	5.76	2.65	2.61	1.74	1.15	1.10	.15	.10	.016	441	52	115	277	28	<10	20	4.4	.17	.01	100.17
PPD-17534	52.65	12.57	8.40	3.88	4.28	1.51	1.01	1.27	.18	.13	.025	691	87	107	133	41	<10	30	14.2	3.08	<.01	100.23
STANDARD SO-15/CSB	50.22	12.30	7.16	7.12	5.76	2.36	1.86	1.77	2.65	1.36	1.039	1950	81	388	1019	22	21	12	5.9	2.43	5.37	99.92

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ___ FA ___

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
PPD-17538	52.48	13.09	9.80	6.69	7.49	2.13	.50	1.43	.16	.22	.040	481	112	104	114	32	<10	39	6.0	.27	<.01	100.14
PPD-17529	60.37	12.29	7.59	3.58	3.96	1.93	1.03	1.25	.03	.17	.029	357	78	124	180	27	11	27	7.5	.74	<.01	99.83
PPD-17523	67.86	10.48	4.96	2.23	2.83	1.88	.77	1.06	.08	.10	.017	417	62	109	212	24	<10	16	7.7	1.37	.02	100.07
PPD-17531	71.97	9.68	5.07	2.54	3.52	1.90	.82	1.23	.10	.11	.023	420	53	116	324	32	<10	21	3.1	.10	<.01	100.18
PPD-17524	65.16	11.75	6.78	3.12	3.71	1.83	1.01	1.10	.13	.14	.022	424	74	128	193	29	<10	21	5.1	.18	.02	99.96
PPD-17540	60.93	12.81	7.98	3.34	3.81	1.77	1.17	1.30	.13	.15	.024	766	83	145	151	27	<10	24	6.4	.29	<.01	99.96
PPD-17535	56.84	12.73	8.98	4.95	6.27	2.03	.72	1.50	.14	.18	.027	625	73	118	142	32	<10	32	5.4	.40	<.01	99.89
PPD-17533	52.48	19.76	8.62	2.21	3.82	3.09	.94	1.33	.14	.14	.006	368	40	350	134	30	11	24	7.4	.63	.02	100.05
PPD-17525	61.30	12.64	7.99	3.21	3.42	1.75	1.12	1.21	.12	.16	.023	502	70	122	174	30	<10	27	7.2	.33	<.01	100.25
PPD-17528	62.14	12.03	7.25	3.48	4.05	1.87	1.09	1.14	.12	.15	.024	466	63	120	177	28	<10	23	6.9	.51	.01	100.35
PPD-17537	56.14	13.28	8.41	4.52	6.64	2.19	.63	1.69	.17	.17	.029	414	79	145	135	33	<10	32	6.0	.48	.03	99.97
PPD-17527	66.06	11.19	6.46	2.98	4.19	2.01	.81	1.27	.08	.12	.023	382	69	137	233	31	<10	26	4.9	.17	<.01	100.20
PPD-17532	74.61	9.52	4.71	2.02	2.48	1.77	1.04	1.11	.15	.10	.016	423	49	113	335	30	10	15	2.6	.12	<.01	100.25
PPD-17526	65.01	11.17	6.03	2.90	3.72	1.82	.68	1.25	.08	.14	.026	436	75	108	252	26	10	21	7.2	1.05	.01	100.14
PPD-17522	52.37	11.86	10.02	8.19	5.43	1.24	.75	.99	.19	.20	.073	772	287	133	115	23	<10	31	8.6	.21	.01	100.07
PPD-17536	59.14	13.00	8.39	4.32	5.03	1.95	1.04	1.44	.13	.17	.024	743	79	136	145	31	<10	27	5.1	.25	.01	99.87
LAMD-17651	68.13	11.75	5.94	2.56	3.28	1.93	1.21	1.38	.15	.11	.021	1174	61	132	235	29	<10	21	3.7	.19	.01	100.35
LAMD-17560	56.86	12.67	9.52	5.18	4.85	1.75	.86	1.27	.15	.21	.029	708	95	122	113	32	16	33	6.4	.11	<.01	99.88
LAMD-17550	56.34	13.18	10.36	4.45	4.39	1.71	.84	1.28	.10	.18	.021	474	89	129	120	28	<10	29	7.1	.40	<.01	100.06
LAMD-17645	62.96	12.65	7.68	2.90	3.17	1.69	1.29	1.39	.14	.15	.025	1340	63	139	178	32	12	25	5.6	.10	<.01	99.85
RE LAMD-17645	62.86	12.65	7.95	2.94	3.17	1.70	1.05	1.39	.16	.16	.024	1329	61	139	174	33	11	25	5.7	.10	<.01	99.96
LAMD-17559	34.55	11.28	10.22	2.40	2.55	.83	.75	1.10	.39	.22	.020	352	61	113	103	28	<10	25	35.6	8.58	<.01	99.99
LAMD-17551	62.68	11.80	7.92	3.85	4.34	1.83	.94	1.24	.16	.17	.023	725	74	115	142	27	<10	25	5.0	.04	<.01	100.08
LAMD-17545	60.48	12.50	8.72	3.77	3.92	1.69	1.03	1.27	.21	.23	.019	1216	79	137	152	28	11	27	6.1	.22	.01	100.13
LAMD-17646	65.36	11.50	6.57	2.84	3.46	1.59	1.24	1.33	.14	.15	.020	1454	85	127	213	30	11	21	5.8	.82	.01	100.23
LAMD-17652	56.88	12.16	9.37	6.01	4.05	1.74	.82	1.10	.15	.23	.039	845	210	114	124	29	<10	28	7.5	.13	<.01	100.21
LAMD-17552	58.75	12.75	8.50	4.14	4.69	1.95	.81	1.43	.13	.17	.027	855	86	124	127	28	<10	26	6.6	.65	<.01	100.09
LAMD-17557	66.83	11.64	6.40	2.58	3.64	2.01	1.03	1.27	.16	.12	.018	937	63	160	189	31	14	22	4.1	.05	<.01	99.96
LAMD-17643	62.34	12.93	7.76	2.91	3.16	1.81	1.18	1.19	.16	.15	.020	907	71	131	165	28	13	23	6.2	.14	<.01	99.97
LAMD-17542	65.01	12.10	6.48	3.39	3.56	1.81	1.00	1.18	.10	.13	.025	1087	84	132	167	27	<10	23	5.0	.42	<.01	99.96
LAMD-17558	63.24	12.60	7.29	3.33	4.01	1.78	1.17	1.39	.12	.14	.023	866	68	130	186	32	11	25	4.7	.31	.01	99.95
LAMD-17649	65.37	13.91	6.45	2.02	1.32	1.71	2.23	1.34	.25	.14	.018	1403	69	90	261	32	23	16	5.0	.36	<.01	99.98
LAMD-17549	52.07	13.56	11.28	5.29	6.85	2.16	.47	1.63	.21	.19	.030	336	105	86	112	30	<10	35	6.0	.18	<.01	99.82
STANDARD SO-15/CSB	49.11	12.83	7.31	7.27	5.88	2.41	1.86	1.66	2.70	1.39	1.061	1925	74	396	912	20	23	12	5.9	2.38	5.38	99.78

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
LAMD-17547	62.02	12.19	7.49	3.53	4.70	2.05	.86	1.52	.13	.14	.022	695	74	143	171	32	<10	29	5.1	.21	.01	99.89
LAMD-17541	65.81	11.01	6.34	3.70	3.77	1.72	1.29	1.22	.15	.12	.023	963	93	124	186	29	11	24	4.5	.40	.02	99.82
LAMD-17548	62.55	11.66	7.76	3.84	4.57	1.80	.88	1.42	.14	.16	.025	1314	76	126	143	34	<10	32	5.0	.11	<.01	100.01
LAMD-17543	63.35	11.65	6.82	3.67	4.28	1.87	.86	1.31	.17	.16	.026	1034	81	141	213	30	<10	27	5.6	.56	.03	99.95
LAMD-17644	68.44	12.53	5.98	2.37	1.32	1.21	2.30	1.15	.12	.14	.014	1786	64	63	244	35	13	21	4.0	.13	<.01	99.83
LAMD-17655	65.78	10.99	6.51	3.42	3.20	1.69	1.23	1.15	.13	.13	.021	1263	94	121	160	28	<10	22	5.4	.54	<.01	99.85
LAMD-17648	62.64	13.57	8.40	1.74	1.56	1.91	1.98	1.58	.31	.21	.024	1006	121	132	251	52	35	24	5.7	.69	.02	99.82
LAMD-17653	61.36	10.62	6.45	3.95	6.26	1.69	.92	1.09	.12	.14	.018	781	78	163	171	28	<10	22	7.1	.86	<.01	99.87
LAMD-17657	63.54	10.65	7.25	4.66	3.58	1.63	.86	1.07	.11	.14	.030	870	153	104	148	26	<10	24	6.3	.17	.03	99.98
LAMD-17641	60.43	13.01	8.23	4.06	4.45	1.76	.92	1.47	.15	.16	.023	968	77	118	123	30	<10	29	5.2	.26	<.01	100.02
LAMD-17660	62.16	12.79	8.09	3.37	2.44	1.47	1.90	1.26	.17	.15	.018	1334	83	92	156	37	13	26	5.8	.24	.01	99.82
RE LAMD-17650	68.83	12.35	5.54	1.95	1.36	1.52	2.00	1.15	.18	.09	.016	2324	65	87	256	38	15	17	4.5	.23	<.01	99.81
LAMD-17650	68.76	12.12	5.57	1.99	1.39	1.47	2.02	1.15	.21	.09	.016	2268	82	87	249	37	15	17	5.0	.23	<.01	100.10
LAMD-17654	56.25	11.52	7.55	7.98	6.12	1.50	.38	.95	.07	.14	.060	597	207	97	99	23	<10	29	7.5	.62	.02	100.14
LAMD-17554	59.85	11.89	8.48	3.95	4.56	1.79	.77	1.41	.14	.16	.022	956	73	123	130	33	<10	30	6.4	.38	<.01	99.58
LAMD-17656	62.22	12.14	7.52	4.34	3.56	1.90	1.02	1.18	.13	.17	.027	974	132	152	187	29	11	25	5.4	.11	<.01	99.78
LAMD-17642	61.15	12.75	7.96	3.90	4.20	1.75	1.00	1.45	.12	.15	.020	943	68	115	131	29	<10	28	5.4	.37	<.01	100.00
LAMD-17555	62.56	12.60	7.41	3.12	3.50	1.70	1.10	1.45	.15	.13	.021	911	79	119	198	31	<10	25	5.9	.64	<.01	99.80
LAMD-17647	62.59	13.15	7.57	2.84	1.77	1.76	2.09	1.83	.39	.13	.028	1987	159	115	205	35	39	21	5.5	.19	.01	99.94
LAMD-17658	66.74	10.51	5.15	2.88	4.80	1.63	1.38	1.00	.12	.10	.014	750	63	182	204	27	<10	17	5.4	.79	<.01	99.87
LAMD-17553	62.08	11.85	8.17	3.70	4.08	1.59	1.01	1.32	.14	.18	.023	1604	89	128	132	31	<10	29	5.5	.17	.01	99.88
LAMD-17546	63.45	12.03	6.74	3.57	5.06	2.00	1.05	1.54	.10	.13	.026	706	60	147	194	35	<10	29	4.0	.26	<.01	99.84
LAMD-17556	64.70	11.27	7.00	3.71	5.50	1.93	.88	1.62	.11	.15	.022	863	65	145	185	37	<10	33	3.1	.09	<.01	100.15
LAMD-17659	62.84	11.78	7.85	3.85	3.45	1.57	.91	1.34	.09	.15	.019	742	71	140	144	31	10	25	5.9	.57	<.01	99.89
LAMD-17544	63.42	13.01	7.63	2.97	2.78	1.85	1.36	1.25	.14	.15	.021	1221	82	157	170	30	<10	22	5.1	.14	<.01	99.88
STANDARD SO-15/CSB	49.92	12.71	7.11	7.01	5.70	2.39	1.87	1.76	2.64	1.36	1.040	2021	78	395	988	22	18	13	5.9	2.40	5.25	99.83

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A001848 Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
SJCD-17506	.41	62.24	7.94	64.8	55	66.0	30.5	696	4.13	4.6	.3	2.7	2.3	16.2	.12	.47	.11	113	.82	.056	7.5	76.0	1.34	159.8	.266	2	3.25	.011	.04	<.2	.02	51	.4	.03	8.1
SJCD-17516	.50	101.22	4.50	53.8	158	61.3	28.7	1070	4.32	120.3	.5	135.6	1.6	31.7	.15	1.19	.07	132	1.08	.044	13.0	139.5	1.38	95.9	.220	3	3.41	.011	.03	.2	.06	208	.6	.02	7.5
SJCD-17501	.37	69.34	5.44	75.7	25	55.3	29.0	1147	4.51	5.1	.3	2.9	1.8	36.8	.16	.40	.06	134	1.37	.057	8.4	82.9	1.25	272.4	.324	2	3.33	.037	.06	<.2	.03	30	.3	.02	9.2
SJCD-17508	.43	58.65	8.75	63.3	73	44.6	15.9	566	3.08	4.6	.4	3.7	4.5	19.0	.08	.34	.13	80	.43	.050	14.6	69.2	.89	326.1	.192	1	2.14	.013	.05	<.2	.04	21	.2	.03	5.7
SJCD-17514	.26	77.06	5.74	61.8	10	53.6	20.7	837	3.77	3.6	.2	2.2	2.0	25.3	.10	.31	.07	130	1.18	.045	7.0	68.6	1.32	170.0	.318	3	2.90	.024	.05	.2	.02	25	.2	<.02	8.5
SJCD-17510	.21	65.33	5.57	51.6	2	59.7	17.7	767	3.11	3.6	.2	3.3	3.0	20.8	.07	.32	.09	96	.86	.047	11.0	70.8	1.12	311.7	.223	2	2.20	.013	.04	<.2	.03	43	.2	.02	6.6
SJCD-17512	.28	53.50	8.63	68.9	9	48.8	17.4	698	3.74	8.0	.3	3.3	5.1	19.0	.11	.42	.12	97	.79	.050	13.8	87.6	1.09	206.7	.208	2	2.49	.016	.15	<.2	.07	45	.2	.02	7.6
SJCD-17517	.30	47.85	9.34	61.4	10	40.2	16.9	810	3.15	8.1	.4	4.8	5.6	21.0	.12	.50	.12	74	.59	.057	15.4	49.8	.87	115.3	.145	1	1.76	.009	.07	<.2	.06	50	.2	.03	5.6
SJCD-17504	.50	36.94	5.07	53.7	82	37.1	12.2	360	2.37	5.3	.3	7.0	1.4	14.3	.22	.29	.10	84	.53	.048	7.3	59.1	.74	461.7	.194	1	2.06	.011	.02	<.2	.03	58	.4	.02	5.6
SJCD-17515	.54	63.83	5.72	87.6	144	37.0	19.4	869	3.93	106.0	.6	38.7	1.3	24.9	.22	.76	.11	113	.96	.075	11.6	87.6	.86	132.5	.145	2	2.30	.008	.04	.2	.05	93	.7	.02	7.2
SJCD-17502	.35	75.18	4.61	82.7	22	57.0	30.9	1156	4.73	5.2	.3	6.1	1.8	45.3	.17	.44	.07	140	1.50	.058	7.8	84.8	1.30	253.3	.322	2	3.27	.043	.07	<.2	.03	43	.2	.02	9.6
SJCD-17518	.47	93.99	5.48	58.6	5	41.4	18.0	757	3.17	4.5	.3	1.8	3.2	24.1	.08	.30	.10	87	.82	.055	9.1	48.7	1.04	147.1	.206	2	2.04	.014	.05	<.2	.04	52	.2	.03	6.3
SJCD-17505	.41	75.63	7.09	66.9	8	68.6	24.7	793	3.46	6.0	.3	2.6	3.1	20.4	.10	.45	.09	94	.71	.056	10.5	65.7	1.14	360.1	.199	1	2.30	.012	.04	<.2	.03	30	.3	.02	6.7
SJCD-17509	.22	80.12	7.13	49.5	9	53.5	18.0	756	2.98	4.5	.3	17.9	3.5	16.4	.08	.35	.14	92	.74	.049	10.6	62.7	.97	289.5	.209	2	2.21	.013	.06	<.2	.04	20	.2	.02	6.4
SJCD-17513	.23	77.58	5.63	62.4	11	55.6	24.8	943	4.12	3.7	.2	2.7	2.6	25.2	.09	.29	.12	132	1.23	.023	7.8	78.1	1.43	193.2	.326	2	2.92	.024	.06	<.2	.04	39	.3	.02	9.2
SJCD-17507	.31	55.12	4.27	55.6	11	50.4	24.9	855	3.39	4.0	.4	71.1	2.1	23.8	.11	.36	.08	110	.88	.057	8.3	66.8	1.08	174.0	.261	1	2.13	.015	.03	<.2	.03	17	.2	.02	6.7
SJCD-17511	.20	55.09	4.70	49.5	10	52.1	22.8	1457	4.19	9.2	.1	5.3	2.0	179.5	.08	.54	.07	131	1.07	.033	12.3	73.7	1.38	984.7	.241	2	2.80	.018	.05	<.2	.03	81	.2	.04	9.4
SJCD-17503	.27	79.17	4.33	84.9	115	62.7	29.7	956	4.73	4.5	.1	3.2	1.3	24.9	.21	.40	.06	149	1.66	.066	5.9	82.7	1.57	175.2	.354	3	2.84	.029	.06	<.2	.03	30	.2	<.02	10.5
GSMD-17578	.30	22.78	8.52	61.8	40	29.9	10.9	410	2.51	4.4	.4	3.3	6.3	192.0	.14	.31	.14	33	4.43	.065	16.8	29.7	1.08	102.2	.055	<1	1.21	.006	.06	<.2	.04	16	.2	.05	4.0
RE GSMD-17578	.29	22.69	8.29	58.8	38	29.1	10.5	408	2.53	4.3	.4	1.9	6.1	183.8	.12	.30	.13	33	4.24	.064	16.6	29.4	1.08	97.4	.054	<1	1.18	.006	.06	<.2	.04	14	.2	.04	3.8
GSMD-17688	1.03	43.47	18.64	94.7	23	53.1	19.0	711	3.99	15.2	.9	5.3	8.3	31.6	.20	.63	.18	65	.49	.122	35.0	57.1	.92	151.5	.088	1	1.68	.008	.09	<.2	.04	24	.4	.02	5.5
GSMD-17685	.79	55.99	34.00	117.0	43	60.0	31.0	1411	4.41	17.7	.7	6.6	8.0	14.9	.30	.57	.30	51	.36	.101	30.8	42.8	.66	143.2	.090	1	1.66	.007	.05	<.2	.03	25	.5	.05	4.9
GSMD-17519	1.53	58.14	17.05	104.1	188	61.1	18.6	721	3.32	12.8	.9	6.1	6.1	26.7	.26	1.47	.20	64	.59	.090	24.0	63.8	.71	476.0	.105	1	1.53	.007	.11	<.2	.08	146	.8	.03	4.9
GSMD-17580	.27	31.38	6.41	46.9	13	35.2	13.2	501	2.58	4.7	.4	2.2	3.8	12.4	.14	.30	.08	80	.56	.047	13.3	60.5	.74	226.8	.171	1	1.76	.014	.05	<.2	.04	24	.2	.02	5.4
GSMD-17686	1.17	65.36	19.92	120.4	26	60.9	24.8	877	4.46	22.0	.8	5.4	6.6	17.6	.25	.98	.19	66	.23	.086	28.4	58.2	1.05	215.4	.057	1	1.92	.004	.11	<.2	.06	28	.5	.04	6.1
GSMD-17573	.50	54.69	10.60	96.0	139	53.9	18.3	868	3.13	15.1	.4	8.5	3.7	27.8	.53	1.34	.14	87	.83	.077	13.8	55.4	1.03	388.5	.163	3	1.69	.015	.10	<.2	.06	69	.2	.03	6.0
GSMD-17689	.60	54.77	13.31	216.5	7	66.0	23.6	978	3.90	7.9	.6	2.7	5.5	24.9	.51	.53	.15	95	.74	.094	19.7	75.1	1.06	358.9	.197	1	2.36	.020	.09	<.2	.05	185	.3	<.02	7.4
GSMD-17566	1.02	30.82	9.96	52.7	34	12.4	13.2	454	3.86	2.5	.6	1.7	2.7	46.1	.08	.10	.15	156	.46	.044	12.2	42.4	.53	94.9	.345	<1	3.86	.110	.06	.2	.13	33	.3	.04	10.8
GSMD-17576	.64	119.86	10.27	86.0	68	75.3	27.3	1398	4.15	6.6	.4	5.6	2.7	38.7	.17	.61	.12	117	.91	.055	10.9	73.4	1.36	701.5	.246	2	2.57	.016	.06	<.2	.05	94	.3	.04	8.5
GSMD-17561	.22	74.36	5.79	64.0	9	90.9	24.8	855	3.46	2.7	.2	2.7	2.3	26.7	.10	.23	.09	101	.99	.052	8.8	76.2	1.52	293.2	.221	3	2.15	.019	.05	<.2	.03	32	.1	<.02	7.6
GSMD-17570	.33	31.28	6.21	41.6	77	41.4	14.3	344	2.51	3.4	.3	1.2	3.7	9.1	.07	.20	.09	70	.42	.038	10.2	55.1	.68	167.4	.151	1	2.05	.008	.04	<.2	.04	25	.3	.02	5.0
GSMD-17577	.30	31.38	5.61	42.4	3	28.5	12.0	520	1.97	5.5	.3	3.0	2.7	13.9	.15	.39	.07	69	.61	.064	9.5	36.4	.56	272.9	.173	1	1.31	.011	.03	<.2	.02	10	.2	<.02	4.2
GSMD-17569	.41	64.96	10.80	85.6	41	62.4	23.1	851	3.54	6.7	.4	2.9	6.0	28.0	.19	.45	.17	73	1.78	.061	18.3	53.7	1.82	230.5	.135	1	1.93	.019	.12	<.2	.08	39	.1	.03	6.7
STANDARD DS2	14.17	136.12	33.48	167.6	255	34.7	11.9	846	3.04	57.8	19.9	207.0	3.3	26.8	10.38	9.45	10.85	75	.51	.090	15.5	153.0	.60	148.0	.088	2	1.69	.028	.16	7.5	1.79	238	2.2	1.84	5.9

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: -230 TILL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 14 2000 DATE REPORT MAILED: July 5/00 SIGNED BY: C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data 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
GSMD-17697	2.49	53.47	34.51	145.7	234	57.7	20.3	849	3.99	14.9	1.4	3.5	11.7	52.8	.49	1.72	.45	34	.68	.109	31.4	32.4	.56	304.5	.037	5	1.59	.003	.26	<.2	.11	161	.4	.06	3.7
GSMD-17563	.34	49.24	3.68	41.5	59	151.7	25.8	526	3.55	1.5	.2	<.2	1.5	17.1	.09	.13	.06	84	.70	.041	5.7	118.2	2.03	137.0	.191	2	3.38	.016	.03	<.2	.02	42	.2	<.02	8.8
GSMD-17568	.29	102.85	9.55	71.0	24	60.2	23.2	1112	3.92	2.6	.3	.4	2.3	28.0	.10	.20	.10	132	1.07	.044	7.4	60.4	1.43	166.8	.384	4	3.27	.019	.05	<.2	.03	32	.2	.04	9.2
GSMD-17693	.79	51.89	12.66	95.8	141	61.6	20.4	800	3.72	6.7	.5	6.3	4.5	33.5	.29	.63	.14	86	1.03	.104	17.3	60.2	1.07	425.2	.190	4	2.17	.019	.13	<.2	.06	63	.2	.02	6.6
GSMD-17579	.21	16.76	5.17	46.5	22	28.7	9.5	381	2.38	2.6	.4	1.8	4.0	17.3	.14	.17	.08	74	.76	.048	15.2	52.6	.76	291.1	.223	3	1.76	.020	.12	<.2	.03	9	<.1	<.02	5.4
GSMD-17696	.71	42.55	15.67	87.0	<2	104.5	19.3	762	3.15	7.5	.7	5.3	7.5	18.6	.19	.87	.19	58	.25	.067	26.6	187.4	1.14	442.8	.101	5	1.85	.006	.22	<.2	.06	67	.2	.04	4.9
GSMD-17700	1.03	37.89	24.41	90.3	25	55.0	18.1	831	3.47	9.8	1.1	3.3	9.5	24.1	.24	1.04	.25	50	.36	.098	31.8	45.0	.65	331.5	.110	3	1.85	.008	.28	<.2	.10	77	.2	.03	4.6
GSMD-17687	2.56	92.93	31.97	118.2	255	82.7	34.9	1360	5.83	30.6	1.2	4.9	7.8	46.8	.30	1.27	.28	75	.58	.129	30.7	63.2	1.54	304.3	.087	2	2.37	.004	.23	<.2	.11	85	.8	.04	7.0
GSMD-17564	.14	57.15	3.73	58.1	3	94.4	25.2	842	4.07	.9	.1	.2	1.3	31.5	.13	.14	.04	117	1.44	.053	5.6	73.5	1.84	100.1	.298	3	3.26	.024	.05	<.2	.02	24	<.1	.03	9.3
GSMD-17698	.78	53.11	18.66	101.7	99	63.2	17.0	627	4.00	10.6	1.0	5.1	8.8	31.9	.13	1.06	.28	57	.47	.096	30.6	61.3	.73	389.0	.087	5	2.10	.009	.25	<.2	.08	94	<.1	.04	5.5
GSMD-17575	.33	67.04	6.92	67.3	22	61.8	19.3	892	3.44	4.1	.3	2.3	3.3	24.6	.09	.35	.10	98	1.09	.056	11.3	60.8	1.25	522.6	.264	4	2.34	.019	.11	<.2	.04	50	<.1	.02	7.2
GSMD-17520	.94	31.97	18.88	76.3	108	49.7	14.7	595	3.02	9.1	2.6	3.0	8.2	30.1	.21	.85	.21	49	.53	.084	32.5	50.6	.64	418.0	.104	3	1.72	.007	.24	<.2	.08	79	.1	.02	4.2
GSMD-17565	.14	59.92	2.85	42.4	<2	69.4	25.6	853	3.42	.8	.2	2.0	1.0	22.3	.12	.14	.04	119	1.47	.065	4.2	44.3	1.62	108.5	.368	4	3.26	.038	.03	<.2	.02	25	<.1	<.02	8.7
GSMD-17574	.31	40.71	5.64	45.1	3	40.3	14.4	697	2.64	5.7	.3	3.7	3.0	16.7	.10	.44	.08	89	.78	.053	10.4	51.4	.79	452.1	.248	3	1.99	.013	.04	<.2	.03	25	.1	.02	5.4
GSMD-17562	.22	79.93	6.68	68.9	3	97.5	27.3	987	3.96	2.7	.2	1.5	2.6	28.0	.11	.25	.09	115	1.09	.055	9.4	77.9	1.68	325.5	.262	3	2.63	.021	.06	<.2	.03	40	<.1	.03	8.1
GSMD-17683	1.85	84.40	36.89	163.2	704	44.4	23.6	1012	5.12	18.4	1.0	4.5	8.2	21.0	.88	.77	.19	81	.28	.109	28.3	32.9	.98	270.2	.113	2	2.21	.007	.24	<.2	.11	46	.7	.03	6.1
GSMD-17567	.31	67.02	5.15	55.4	2	54.3	21.9	819	3.72	3.0	.3	2.5	2.9	24.8	.10	.31	.08	120	1.22	.049	10.1	57.2	1.27	178.0	.367	3	2.83	.033	.05	<.2	.03	45	.1	.04	8.4
GSMD-17695	1.15	40.46	24.59	79.8	4	55.2	19.0	744	3.08	9.3	.9	3.6	11.5	22.3	.16	.78	.21	49	.31	.075	39.1	42.2	.56	399.2	.116	4	1.59	.006	.24	<.2	.05	71	.3	.02	3.8
GSMD-17571	1.38	164.80	11.73	116.9	160	94.9	35.9	1412	5.14	9.0	.9	9.0	2.9	31.7	.27	.71	.16	129	1.13	.093	15.6	77.7	1.41	907.0	.290	2	2.87	.030	.10	<.2	.05	109	.8	.09	8.3
GSMD-17692	.65	54.92	11.71	82.8	5	59.8	19.8	805	4.08	6.9	.5	3.6	3.9	26.3	.20	.51	.12	108	.83	.097	15.2	78.8	1.02	405.7	.254	3	2.43	.015	.12	<.2	.04	46	<.1	<.02	7.2
GSMD-17681	1.40	65.38	35.17	112.0	145	52.9	23.3	1168	4.66	17.6	.8	13.2	8.4	37.9	.43	.74	.23	68	.55	.115	28.0	38.5	.79	304.4	.119	3	1.83	.012	.22	<.2	.06	38	.2	.06	5.2
GSMD-17690	.55	32.08	21.82	73.7	2	56.3	20.5	718	3.75	11.7	.9	3.0	11.0	19.2	.13	.53	.21	53	.46	.065	38.6	53.1	.77	192.0	.116	2	1.82	.007	.16	<.2	.04	20	.2	.04	4.8
RE GSMD-17690	.55	31.33	21.11	73.2	3	57.0	19.5	708	3.71	11.5	.9	19.6	11.4	18.8	.10	.48	.20	54	.47	.065	40.9	50.8	.77	192.6	.120	3	1.81	.008	.16	<.2	.03	22	.1	.02	4.7
GSMD-17572	1.81	83.72	30.18	192.4	1664	65.5	34.9	1233	5.57	24.0	1.3	11.1	1.7	19.9	.67	.87	.32	75	.50	.116	19.0	64.1	.63	173.6	.096	<1	2.51	.006	.03	<.2	.06	188	.9	.03	5.5
GSMD-17684	1.55	73.62	101.11	119.4	31	37.9	24.0	1006	4.91	17.3	.9	7.9	8.9	19.4	.59	.65	.23	74	.28	.105	28.9	30.8	.93	290.5	.123	2	2.11	.007	.24	<.2	.11	35	.5	.03	6.1
GSMD-17694	3.11	30.22	9.72	106.4	313	56.3	8.0	915	1.62	19.6	2.5	4.5	3.1	146.0	.39	2.81	.07	35	12.57	.188	20.3	21.7	4.64	171.8	.058	1	.58	.006	.04	<.2	.10	131	.5	.04	1.7
GSMD-17691	.52	58.09	11.35	85.7	98	62.2	23.0	1053	3.85	6.0	.3	4.0	3.1	26.3	.24	.49	.11	109	1.27	.085	13.0	65.3	1.40	459.7	.277	4	2.51	.029	.16	<.2	.05	51	.2	<.02	7.7
GSMD-17682	1.31	61.72	33.86	104.5	154	47.4	21.4	895	4.41	16.9	.8	8.6	8.1	35.8	.30	.69	.22	64	.54	.115	28.0	35.7	.73	263.5	.115	2	1.67	.011	.18	<.2	.05	43	.3	.07	4.8
GSMD-17699	.67	22.67	19.93	41.4	1570	34.2	11.8	339	1.87	90.7	1.1	4.8	3.1	15.9	.10	.72	.33	34	.46	.048	15.2	66.1	.62	48.0	.060	4	1.09	.017	.11	<.2	.05	113	.2	.03	4.0
PPD-17521	.74	143.14	5.71	80.5	74	256.8	46.1	1136	5.00	7.6	.4	5.7	2.1	44.2	.14	.57	.08	109	.97	.066	9.6	165.8	2.52	494.2	.214	2	3.34	.015	.06	<.2	.04	32	.2	.03	8.5
PPD-17539	.38	80.22	7.91	83.6	90	60.9	28.8	1157	4.41	4.8	.3	10.9	2.5	31.8	.16	.46	.11	133	1.22	.070	9.4	72.3	1.49	532.7	.309	3	2.72	.025	.08	<.2	.03	75	.3	.03	9.0
PPD-17530	.24	49.28	6.82	54.0	<2	43.3	16.3	644	3.22	4.6	.3	1.2	4.8	17.3	.08	.38	.10	90	.74	.063	12.8	53.9	1.04	165.3	.223	2	2.34	.012	.11	<.2	.04	33	<.1	.03	6.5
PPD-17534	.60	105.47	6.37	61.2	104	65.7	37.7	759	4.43	6.5	.4	2.3	1.7	17.1	.18	.40	.10	123	1.05	.061	10.5	74.0	1.28	163.3	.268	<1	3.30	.010	.04	<.2	.03	68	.6	.03	8.1
STANDARD DS2	14.44	129.22	32.87	161.5	274	35.6	11.9	852	3.11	58.0	19.2	198.2	3.4	26.6	10.46	9.52	10.77	74	.52	.094	14.9	157.7	.61	151.5	.091	1	1.70	.026	.16	7.8	1.84	228	2.2	1.77	6.0

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

ACME ANALYTICAL

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 FILE # A001848

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
PPD-17538	.18	89.01	2.41	56.4	4	68.6	30.6	1149	4.47	1.4	.1	1.5	1.6	25.9	.07	.14	.05	164	1.69	.070	5.7	130.6	2.06	132.8	.346	4	3.45	.019	.03	<.2	.02	14	.2	<.02	9.9
PPD-17529	.30	59.32	4.89	52.4	16	60.2	25.5	1112	4.19	29.4	.2	6.0	2.3	23.0	.10	.64	.08	127	1.22	.024	7.5	85.5	1.51	106.7	.301	2	2.71	.021	.05	<.2	.04	28	.3	<.02	7.6
PPD-17523	.22	30.41	4.68	32.3	39	46.4	13.6	518	2.44	3.9	.3	1.5	2.4	12.9	.09	.25	.06	76	.77	.040	8.4	47.1	.77	160.9	.223	3	2.08	.015	.04	<.2	.02	31	.3	.02	5.2
PPD-17531	.19	41.49	4.96	38.5	8	28.4	12.0	514	2.31	3.3	.6	2.7	3.7	17.2	.08	.28	.08	71	.83	.059	11.1	33.2	.74	160.3	.205	4	1.60	.014	.05	<.2	.03	27	.1	.02	4.9
PPD-17524	.25	50.29	8.35	63.7	29	46.2	19.5	838	3.53	5.4	.3	1.9	4.4	31.4	.14	.39	.13	92	1.18	.058	12.6	50.9	1.20	137.7	.239	3	2.22	.028	.14	<.2	.05	31	.1	<.02	7.2
PPD-17540	.37	72.19	9.11	76.2	29	51.8	21.5	873	4.10	4.6	.3	2.8	2.8	26.4	.16	.58	.11	123	1.06	.058	11.0	78.2	1.30	245.1	.295	3	2.55	.024	.07	<.2	.03	28	.2	.02	8.0
PPD-17535	.24	84.07	2.99	55.5	31	51.0	24.7	867	4.05	2.2	.2	2.1	1.6	14.3	.07	.20	.05	139	1.36	.059	6.0	69.5	1.46	162.5	.376	2	2.97	.029	.04	<.2	.02	15	.3	<.02	8.5
PPD-17533	1.03	30.33	9.74	53.2	29	12.3	13.0	484	4.16	2.5	.6	.9	2.8	47.7	.08	.09	.14	161	.51	.043	11.5	43.0	.55	90.6	.374	1	4.24	.106	.06	.2	.13	31	.3	.03	10.7
PPD-17525	.40	78.08	7.38	72.0	50	61.3	29.5	1110	4.57	46.5	.2	11.2	3.0	24.6	.12	2.07	.12	137	1.16	.057	9.7	81.5	1.45	180.6	.251	3	2.56	.019	.08	<.2	.05	66	.3	.03	8.5
PPD-17528	.31	60.33	7.56	68.9	20	51.9	23.6	975	3.98	27.0	.3	5.6	3.7	25.9	.15	.63	.11	119	1.62	.055	11.8	75.9	1.56	165.9	.273	4	2.52	.030	.10	<.2	.05	36	.2	.02	8.1
PPD-17537	.20	67.10	2.12	54.4	10	50.6	24.4	899	3.90	2.2	.1	1.6	.9	15.3	.11	.20	.06	148	1.64	.062	4.1	82.9	1.39	99.7	.494	3	3.12	.026	.03	<.2	<.02	15	.3	.02	8.2
PPD-17527	.21	45.82	4.47	42.9	16	38.4	15.6	650	3.16	13.5	.3	6.3	3.0	25.6	.08	.49	.07	105	1.12	.043	8.9	62.2	.98	147.7	.281	4	2.21	.019	.06	<.2	.04	38	.2	<.02	6.4
PPD-17532	.21	23.37	6.55	40.6	13	24.1	10.7	501	2.03	3.3	.4	18.9	4.7	13.1	.12	.26	.08	47	.55	.059	14.0	27.1	.60	101.3	.134	2	1.24	.015	.06	<.2	.04	9	<.1	<.02	3.8
PPD-17526	.27	50.38	5.42	37.0	11	41.8	18.1	766	2.83	7.4	.2	15.5	2.4	11.6	.08	.44	.08	98	.82	.050	7.1	53.6	.90	202.7	.261	3	2.39	.012	.04	<.2	.02	23	.3	<.02	6.4
PPD-17522	.65	160.14	4.73	82.3	67	254.5	48.7	1143	5.11	7.5	.4	6.9	1.7	40.8	.14	.50	.07	107	.96	.058	8.0	181.8	2.78	413.8	.189	2	3.31	.015	.06	<.2	.04	30	.3	.03	8.4
PPD-17536	.30	75.68	4.70	63.5	18	62.1	31.7	872	3.79	3.1	.3	2.8	2.1	20.9	.13	.33	.08	129	1.20	.054	7.8	72.8	1.39	172.4	.361	2	2.64	.045	.08	<.2	.03	15	.4	<.02	7.5
LAMD-17651	.49	46.63	7.98	50.8	13	37.6	13.9	553	2.76	4.7	.4	8.7	3.5	14.8	.12	.41	.15	78	.67	.064	11.9	49.9	.79	260.2	.217	1	1.74	.013	.05	<.2	.04	14	.3	.04	5.0
LAMD-17560	.29	82.39	5.96	68.7	25	71.1	36.4	1224	4.85	8.2	.2	4.0	2.0	34.4	.15	.74	.09	151	1.33	.064	7.4	113.4	1.87	237.6	.297	3	3.00	.029	.09	<.2	.04	27	.2	.04	10.1
LAMD-17550	.29	129.39	3.77	102.7	7	76.2	34.4	1038	5.52	4.0	.1	2.0	1.7	35.0	.19	.54	.06	169	1.26	.040	6.5	71.8	1.74	131.8	.386	3	3.37	.030	.07	<.2	.02	29	.3	.03	10.6
LAMD-17645	.46	69.15	10.93	78.0	13	50.4	19.9	944	4.03	5.6	.4	3.4	3.6	23.0	.12	.68	.14	112	.88	.072	14.5	74.5	1.13	496.3	.255	1	2.36	.022	.10	<.2	.05	51	.3	.04	7.3
RE LAMD-17645	.47	67.64	11.00	77.9	13	49.7	20.1	926	3.96	5.6	.4	3.8	3.8	23.5	.14	.69	.14	111	.88	.071	15.1	73.0	1.11	490.2	.256	2	2.34	.021	.08	<.2	.05	53	.3	.04	7.4
LAMD-17559	.98	161.25	3.72	68.0	239	33.8	48.6	1592	6.08	6.9	.4	1.2	.9	43.5	.30	.34	.08	193	.76	.087	8.9	92.4	1.15	123.3	.292	<1	3.43	.006	.03	<.2	.04	88	.9	.05	8.3
LAMD-17551	.29	65.28	6.01	69.5	53	57.7	27.6	954	4.02	6.4	.2	3.1	2.5	22.8	.17	.52	.10	119	1.26	.058	8.3	61.7	1.45	243.2	.291	4	2.47	.049	.10	<.2	.04	28	.1	.02	8.7
LAMD-17545	.52	91.94	7.96	80.2	21	57.3	25.4	1414	4.41	5.2	.3	5.0	2.4	22.8	.16	.43	.11	140	1.10	.069	10.5	84.9	1.49	378.0	.323	2	2.74	.032	.09	<.2	.04	34	.4	.03	8.6
LAMD-17646	.94	120.27	10.35	108.1	67	64.4	34.4	876	3.04	9.3	.4	8.5	3.7	15.9	.17	.85	.14	82	.71	.066	13.8	45.6	.86	362.9	.231	1	1.95	.009	.04	<.2	.05	33	.7	.03	5.3
LAMD-17652	.32	96.95	5.91	74.5	41	189.7	45.5	1436	4.84	20.0	.2	6.3	2.3	32.3	.11	1.18	.11	127	1.02	.055	8.7	119.2	2.47	324.4	.209	2	2.81	.027	.07	<.2	.04	47	.2	<.02	9.1
LAMD-17552	.32	66.96	4.12	64.2	10	59.0	22.4	959	4.30	3.3	.2	3.6	1.5	22.2	.10	.45	.07	155	1.40	.041	7.0	81.7	1.48	262.6	.421	3	3.01	.030	.05	<.2	.02	22	.2	<.02	8.7
LAMD-17557	.41	41.46	6.10	55.2	31	36.7	15.3	677	3.08	3.8	.3	2.2	3.0	21.3	.10	.40	.09	91	.88	.070	10.7	47.7	.83	187.7	.229	3	1.68	.022	.04	<.2	.02	35	.2	.02	5.4
LAMD-17643	.46	77.54	10.35	87.1	83	58.1	25.9	1045	4.48	6.0	.3	3.1	3.6	27.5	.18	.61	.14	127	1.19	.069	11.6	83.2	1.31	289.3	.285	3	2.67	.034	.11	<.2	.05	45	.3	.04	8.7
LAMD-17542	.40	53.65	6.60	55.8	11	68.6	20.1	711	3.06	5.1	.3	2.6	3.0	21.3	.11	.44	.10	80	.66	.060	9.6	55.6	1.09	288.1	.199	2	1.91	.007	.03	<.2	.03	19	.3	.03	5.5
LAMD-17558	.51	91.47	6.91	57.1	15	49.2	21.9	741	3.57	4.8	.3	1.9	3.9	22.0	.10	.63	.13	110	.89	.034	14.0	66.6	1.10	245.3	.294	2	2.33	.033	.07	<.2	.04	20	.3	.05	6.1
LAMD-17649	.55	49.38	23.42	81.6	29	66.5	21.6	983	3.64	7.1	.7	4.0	9.3	23.0	.15	.56	.25	54	.47	.114	37.7	57.2	.87	277.5	.100	2	2.08	.028	.11	<.2	.10	37	.2	.03	6.1
LAMD-17549	.61	128.64	2.69	116.2	13	94.9	50.9	1049	5.84	7.5	.2	2.1	1.0	19.2	.26	2.73	.04	203	2.01	.070	5.3	91.3	1.94	76.6	.409	5	3.48	.037	.03	<.2	.02	19	.6	<.02	11.9
STANDARD DS2	14.17	129.09	32.72	163.6	251	33.5	12.1	848	3.14	54.9	19.5	202.0	3.6	29.3	10.36	9.91	11.03	76	.55	.092	17.0	164.6	.62	153.3	.100	3	1.76	.032	.16	7.0	1.83	231	2.3	2.01	6.3

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data 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
LAMD-17547	.29	47.45	4.47	56.6	<2	48.5	21.8	780	3.79	3.6	.3	1.9	2.1	21.1	.09	.31	.07	140	1.36	.049	8.3	80.5	1.19	200.5	.405	3	2.73	.047	.06	<.2	.03	15	.3	<.02	8.8
LAMD-17541	.42	55.82	6.90	56.2	3	71.4	20.1	691	3.02	5.1	.3	3.4	3.3	20.5	.10	.43	.10	82	.68	.059	10.8	54.9	1.09	262.6	.215	3	1.91	.010	.04	<.2	.03	20	.3	<.02	5.9
LAMD-17548	.31	81.94	6.69	73.7	39	54.3	19.6	937	4.06	4.4	.3	13.6	2.1	24.2	.12	.45	.11	140	1.31	.055	8.8	101.8	1.41	466.9	.358	4	2.70	.036	.08	<.2	.03	55	.2	.02	9.0
LAMD-17543	.34	78.76	5.97	59.7	18	64.3	25.4	902	3.42	4.9	.3	2.7	2.4	20.4	.10	.38	.08	103	.91	.065	8.8	55.6	1.16	458.4	.262	3	2.54	.019	.06	<.2	.03	12	.4	<.02	7.5
LAMD-17644	.82	80.49	17.96	90.2	3	48.9	18.0	1028	3.35	7.0	.5	2.6	7.2	18.3	.11	.68	.22	67	.53	.068	27.1	52.2	1.04	232.3	.157	2	1.91	.014	.10	<.2	.08	52	.2	.04	6.3
LAMD-17655	.35	60.18	7.78	63.9	16	62.8	18.6	837	3.42	4.0	.3	3.7	3.2	26.0	.11	.33	.12	100	.90	.051	12.7	63.0	1.25	478.4	.250	4	2.29	.028	.08	.2	.04	40	.2	.04	7.2
LAMD-17648	1.31	51.00	25.41	92.2	77	108.1	33.1	1564	4.77	15.3	.8	4.1	9.3	32.2	.22	.85	.24	52	.54	.152	59.2	66.1	.68	201.3	.077	<1	1.60	.010	.06	<.2	.06	128	.2	.02	4.0
LAMD-17653	.36	62.12	6.66	63.6	70	58.1	21.6	868	3.48	10.4	.3	7.8	3.2	76.2	.15	.64	.10	99	2.90	.053	9.7	63.3	1.71	307.6	.245	3	2.19	.021	.10	<.2	.04	52	.5	.04	7.3
LAMD-17657	.28	68.40	6.74	63.4	12	148.3	28.0	901	3.98	4.5	.2	4.2	3.0	20.6	.09	.39	.12	104	1.01	.047	10.4	98.4	1.92	387.8	.243	4	2.59	.025	.09	<.2	.04	53	.1	.03	7.5
LAMD-17641	.31	74.36	5.46	65.2	2	58.6	29.0	1017	4.36	3.6	.2	2.3	2.4	23.2	.11	.47	.10	147	1.22	.059	8.9	76.0	1.60	357.0	.386	2	3.15	.029	.07	<.2	.03	26	.3	.05	8.9
LAMD-17660	.82	91.69	13.82	102.4	15	77.7	27.3	1068	4.76	11.4	.6	5.3	5.1	25.5	.20	1.35	.18	120	.87	.081	20.4	91.8	1.57	375.7	.266	1	2.69	.025	.14	.2	.07	72	.4	.04	8.4
RE LAMD-17650	.55	51.06	18.18	87.9	53	53.1	16.4	722	3.20	6.1	.8	4.3	8.3	22.9	.16	.51	.20	51	.52	.095	34.0	49.5	.82	572.1	.102	1	1.71	.016	.11	<.2	.07	68	.3	.03	5.2
LAMD-17650	.58	51.31	18.64	87.8	68	50.7	16.9	716	3.19	6.3	.8	4.3	8.4	23.6	.15	.50	.20	50	.53	.097	35.1	48.3	.82	563.1	.102	1	1.69	.019	.11	<.2	.07	65	.3	.02	5.3
LAMD-17654	.19	64.33	2.51	39.2	15	159.6	30.8	629	3.30	1.8	<.1	1.3	1.1	29.7	.07	.17	.04	90	1.12	.028	5.0	132.4	2.58	223.7	.204	3	3.51	.037	.03	<.2	<.02	16	.2	.03	7.7
LAMD-17554	.34	78.81	5.80	73.7	18	62.4	25.4	1016	4.60	4.9	.2	3.3	1.8	25.8	.13	.50	.13	155	1.41	.051	7.9	89.1	1.53	326.6	.381	1	2.92	.034	.07	.2	.03	38	.3	.02	9.5
LAMD-17656	.41	73.77	6.86	72.0	56	125.1	31.4	1173	4.14	10.2	.2	5.8	2.7	28.7	.14	.72	.16	105	.93	.067	9.9	80.7	2.00	445.3	.202	3	2.45	.023	.07	.2	.04	44	.1	.04	7.4
LAMD-17642	.33	71.76	5.29	63.8	5	55.4	27.9	985	4.20	3.7	.2	1.4	2.3	20.5	.09	.45	.09	140	1.07	.058	8.6	78.0	1.53	315.0	.357	1	3.01	.022	.05	<.2	.03	22	.3	.03	8.4
LAMD-17555	.52	74.85	7.17	63.4	63	57.7	24.5	793	3.89	7.8	.4	4.6	3.4	18.1	.10	.65	.10	119	.79	.069	9.9	78.1	1.09	219.6	.304	2	2.85	.017	.04	<.2	.03	30	.4	.04	7.2
LAMD-17647	.98	59.44	14.00	102.9	67	153.1	34.2	977	4.52	10.9	.6	4.3	6.3	34.5	.26	.84	.12	72	.67	.190	35.3	125.8	1.37	328.3	.143	<1	2.15	.014	.12	<.2	.07	63	.3	.04	7.0
LAMD-17658	.33	36.58	6.82	57.4	42	44.9	14.9	591	2.65	4.8	.3	10.6	4.2	79.0	.14	.38	.12	57	2.33	.060	12.5	36.2	1.23	226.4	.140	<1	1.58	.014	.08	<.2	.04	26	.1	<.02	4.5
LAMD-17553	.75	103.58	8.94	91.0	103	65.2	27.3	1150	4.45	6.2	.3	7.5	2.3	31.4	.17	.62	.13	140	1.27	.062	9.4	85.5	1.49	464.6	.325	1	2.75	.025	.09	<.2	.04	109	.3	.05	9.0
LAMD-17546	.32	55.41	4.58	45.6	34	40.8	17.3	640	2.97	3.3	.3	3.4	2.1	16.3	.10	.30	.06	100	.95	.054	7.3	53.8	.92	166.2	.289	2	2.03	.025	.04	<.2	.02	7	.3	.02	5.7
LAMD-17556	.28	51.24	4.79	47.7	9	35.6	15.8	738	2.97	4.1	.3	5.1	1.9	14.1	.11	.37	.07	102	.97	.055	6.9	45.8	.93	197.7	.307	1	1.83	.016	.03	<.2	.02	24	.3	.03	5.4
LAMD-17659	.40	59.50	8.31	67.5	26	55.3	26.4	930	4.06	5.6	.4	1.8	2.9	56.0	.18	.63	.11	128	.97	.034	10.9	82.2	1.55	215.5	.319	<1	2.69	.014	.05	<.2	.03	31	.4	.02	7.7
LAMD-17544	.53	54.14	12.39	88.7	54	66.0	24.0	1011	4.05	5.8	.4	2.7	4.4	34.9	.21	.49	.17	98	.86	.084	17.2	95.3	1.18	338.6	.198	<1	2.39	.016	.12	<.2	.07	40	.3	<.02	7.6
STANDARD DS2	13.84	128.12	33.29	162.7	271	36.4	11.8	824	3.07	58.8	18.9	193.9	3.6	28.7	10.24	9.54	10.58	75	.53	.092	16.4	162.4	.60	150.3	.096	3	1.75	.032	.17	6.8	1.85	233	2.3	1.90	6.2

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data 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 2398 File # A001848 Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
SJCD-17506	.97	.1	.14	.77	2.4	5.7	.8	<.01	<.05	6.9	10.74	29.6	.03	<1	.4	21.6	30
SJCD-17516	4.34	<.1	.18	.63	2.5	33.0	.6	.01	<.05	10.0	56.07	32.4	.05	<1	.5	51.7	30
SJCD-17501	.91	.1	.27	.23	3.0	9.4	.8	<.01	<.05	12.2	13.85	19.3	.04	2	.4	12.1	30
SJCD-17508	1.33	<.1	.11	.37	4.3	4.1	.6	<.01	<.05	5.0	6.51	37.9	.03	<1	.3	18.0	30
SJCD-17514	.90	.1	.37	.18	2.7	8.7	.8	<.01	<.05	15.5	14.33	16.7	.03	<1	.4	13.8	30
SJCD-17510	.59	<.1	.27	.12	2.7	8.3	.6	<.01	<.05	10.9	12.95	22.8	.03	<1	.4	14.3	30
SJCD-17512	1.07	.1	.36	.20	8.5	9.2	.7	<.01	<.05	12.6	9.50	29.4	.04	<1	.3	23.2	30
SJCD-17517	.93	.1	.24	.14	5.0	8.0	.4	<.01	<.05	10.7	14.25	31.6	.03	<1	.3	22.6	30
SJCD-17504	.65	<.1	.08	.84	3.3	3.5	.5	.01	<.05	4.8	6.04	15.3	.03	<1	.3	15.3	30
SJCD-17515	2.36	<.1	.06	.70	6.1	11.1	.6	.02	<.05	3.2	28.01	24.7	.06	<1	.5	33.3	30
SJCD-17502	1.03	.1	.34	.14	3.1	11.6	.7	<.01	<.05	13.3	15.45	16.8	.05	<1	.5	12.0	30
SJCD-17518	1.22	.1	.31	.16	2.7	6.2	.6	<.01	<.05	11.7	11.04	20.4	.05	1	.3	14.0	30
SJCD-17505	.93	.1	.19	.25	2.5	4.8	.5	<.01	<.05	8.4	9.61	26.0	.05	<1	.4	15.9	30
SJCD-17509	.68	.1	.30	.21	3.6	6.0	.5	<.01	<.05	10.0	9.34	24.8	.05	<1	.4	15.9	30
SJCD-17513	.86	.1	.38	.22	3.6	11.0	.8	<.01	<.05	13.9	13.26	20.5	.07	<1	.3	13.8	30
SJCD-17507	.78	.1	.27	.16	1.9	7.1	.6	<.01	<.05	9.9	12.36	21.1	.06	<1	.3	12.8	30
SJCD-17511	1.47	.1	.24	.13	3.5	11.0	.7	<.01	<.05	9.2	15.34	28.7	.06	<1	.5	16.4	30
SJCD-17503	.88	.2	.44	.10	3.0	10.6	.8	<.01	<.05	14.0	15.79	13.2	.06	<1	.4	13.1	30
GSMD-17578	.56	.1	.09	.20	5.0	2.5	.2	<.01	<.05	4.1	7.40	31.1	.04	<1	.2	26.2	30
RE GSMD-17578	.55	<.1	.09	.12	5.0	2.5	.2	.01	<.05	4.0	7.01	30.9	.04	<1	.2	26.7	30
GSMD-17688	1.01	<.1	.07	.40	5.6	4.0	.3	<.01	<.05	5.3	8.94	62.4	.04	<1	.4	26.9	30
GSMD-17685	.62	<.1	.08	.32	3.5	3.5	.3	<.01	<.05	6.7	8.64	56.8	.05	<1	.3	30.0	30
GSMD-17519	.88	<.1	.17	.23	6.6	6.4	.4	<.01	<.05	10.3	14.14	40.5	.04	<1	.3	16.1	30
GSMD-17580	.43	<.1	.14	.27	3.9	5.7	.4	<.01	<.05	6.8	8.97	26.8	.03	<1	.2	16.0	30
GSMD-17686	1.66	<.1	.07	.31	6.5	4.3	.3	<.01	<.05	5.0	5.68	54.2	.04	<1	.3	32.2	30
GSMD-17573	.93	.1	.30	.11	5.2	6.6	.4	<.01	<.05	10.9	12.28	26.6	.04	<1	.3	16.5	30
GSMD-17689	.71	.1	.30	.31	5.4	7.8	.5	<.01	<.05	16.8	11.15	41.9	.04	<1	.5	19.3	30
GSMD-17566	1.29	.1	.74	.49	4.6	8.8	1.3	<.01	<.05	39.0	14.44	30.4	.06	<1	.7	10.6	30
GSMD-17576	1.07	.1	.26	.14	3.9	12.1	.6	<.01	<.05	11.7	19.29	21.9	.05	<1	.4	14.7	30
GSMD-17561	.78	.1	.25	.12	3.2	7.7	.5	<.01	<.05	9.6	13.01	19.0	.03	2	.3	13.7	30
GSMD-17570	.51	<.1	.17	.53	4.6	3.8	.4	<.01	<.05	7.0	6.34	30.0	.02	<1	.4	14.6	30
GSMD-17577	.27	.1	.20	.23	2.0	3.4	.4	<.01	<.05	8.9	8.31	21.7	.02	<1	.2	9.0	30
GSMD-17569	.96	.1	.25	.21	7.3	5.9	.4	<.01	<.05	10.4	11.43	36.9	.03	<1	.3	26.0	30
STANDARD DS2	3.39	<.1	.04	1.42	12.8	2.9	26.0	.02	<.05	2.8	7.48	29.3	5.31	<1	.6	14.7	30

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: -230 TILL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 14 2000 DATE REPORT MAILED: July 5/00 SIGNED BY. ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Date ___ FA ___

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GSMD-17697	1.97	<.1	.28	.17	8.0	3.7	.4	.02	<.05	15.8	11.63	60.0	.03	<1	.4	18.8	30.0
GSMD-17563	.66	<.1	.07	1.46	3.4	4.2	.7	.02	<.05	3.8	6.45	14.7	.02	2	.4	9.9	30.0
GSMD-17568	1.29	<.1	.28	.93	3.8	7.3	1.0	<.01	<.05	11.5	10.61	23.0	.04	<1	.5	11.7	30.0
GSMD-17693	.80	<.1	.18	.26	5.1	6.3	.4	.01	<.05	10.2	12.46	32.3	.03	<1	.4	17.4	30.0
GSMD-17579	.40	.1	.14	.60	5.0	5.3	.5	<.01	<.05	8.0	8.87	29.7	.02	<1	.3	18.9	30.0
GSMD-17696	1.02	<.1	.15	.28	7.1	4.6	.3	<.01	<.05	9.7	6.53	50.2	.02	<1	.4	20.3	30.0
GSMD-17700	1.18	<.1	.15	.64	11.3	3.9	.4	<.01	<.05	9.0	9.62	66.7	.03	<1	.4	17.8	30.0
GSMD-17687	2.73	.1	.18	.23	9.9	7.0	.3	<.01	<.05	11.7	13.11	57.5	.05	1	.4	32.0	30.0
GSMD-17564	.66	.2	.34	.22	1.9	8.4	.8	<.01	<.05	12.1	15.38	13.4	.05	1	.4	7.6	30.0
GSMD-17698	1.20	<.1	.31	.19	9.2	5.8	.4	<.01	<.05	14.9	12.04	53.7	.04	<1	.6	24.8	30.0
GSMD-17575	.83	.1	.33	.10	4.2	7.5	.6	<.01	<.05	12.4	12.31	22.6	.06	2	.3	15.0	30.0
GSMD-17520	1.01	<.1	.06	.46	9.0	4.1	.4	<.01	<.05	5.2	12.09	60.3	.07	<1	.5	17.6	30.0
GSMD-17565	.46	.2	.39	.51	1.0	5.4	.8	<.01	<.05	14.7	12.61	15.9	.08	<1	.4	7.3	30.0
GSMD-17574	.41	.1	.25	.20	2.6	5.4	.5	<.01	<.05	11.3	9.45	22.9	.07	<1	.3	11.4	30.0
GSMD-17562	.91	.1	.30	.08	3.7	8.7	.7	<.01	<.05	11.7	14.15	20.8	.09	<1	.4	15.8	30.0
GSMD-17683	2.68	.1	.08	.40	12.1	6.4	.5	<.01	<.05	7.1	8.45	58.4	.09	<1	.4	26.3	30.0
GSMD-17567	.86	.2	.33	.67	3.4	8.8	.9	<.01	<.05	13.6	16.81	24.1	.10	<1	.5	12.5	30.0
GSMD-17695	.77	.1	.13	.26	6.9	4.1	.4	<.01	<.05	9.0	8.16	71.9	.09	<1	.4	15.4	30.0
GSMD-17571	.81	.1	.38	.15	2.9	10.5	.6	<.01	<.05	17.7	23.01	33.0	.11	<1	.5	18.1	30.0
GSMD-17692	.61	.1	.36	.15	4.9	9.6	.6	<.01	<.05	15.9	14.38	27.7	.09	<1	.4	14.8	30.0
GSMD-17681	1.23	.1	.18	.31	7.5	6.3	.4	<.01	<.05	10.2	10.97	51.4	.08	<1	.3	20.2	30.0
GSMD-17690	.58	<.1	.14	.23	4.6	3.7	.4	<.01	<.05	8.1	8.09	72.1	.08	<1	.3	22.8	30.0
RE GSMD-17690	.57	<.1	.13	.31	4.7	3.6	.3	<.01	<.05	8.4	8.15	76.4	.07	<1	.4	22.9	30.0
GSMD-17572	1.10	.1	.02	.92	4.5	5.8	.4	.05	<.05	2.5	24.70	43.2	.09	<1	.6	15.9	30.0
GSMD-17684	2.78	.1	.17	.36	13.0	5.5	.4	<.01	<.05	10.0	7.02	60.2	.07	<1	.4	24.8	30.0
GSMD-17694	.35	<.1	.10	.27	2.6	2.7	.3	.02	<.05	6.3	23.50	21.2	.04	2	.3	7.5	30.0
GSMD-17691	.69	.1	.37	.15	5.0	7.9	.5	<.01	<.05	13.9	13.74	24.8	.06	<1	.3	14.8	30.0
GSMD-17682	1.10	<.1	.16	.30	7.6	6.1	.3	<.01	<.05	9.3	10.59	50.8	.04	<1	.4	18.6	30.0
GSMD-17699	.73	<.1	.04	.70	7.6	2.7	1.9	.01	<.05	2.3	5.90	28.9	.03	<1	.3	19.4	7.5
PPD-17521	2.39	.1	.34	.13	3.8	10.2	.6	<.01	<.05	13.8	13.17	18.4	.04	<1	.4	15.7	30.0
PPD-17539	.83	.1	.40	.12	4.1	8.7	.8	<.01	<.05	13.5	13.64	20.0	.04	<1	.4	15.8	30.0
PPD-17530	.66	.1	.29	.12	4.3	7.7	.4	<.01	<.05	13.3	10.18	27.1	.03	<1	.4	19.4	30.0
PPD-17534	1.18	<.1	.16	1.07	3.3	8.5	.6	.01	<.05	6.0	21.19	31.1	.04	1	.9	17.5	30.0
STANDARD DS2	3.27	<.1	.04	1.49	12.9	2.9	26.3	.01	<.05	3.1	7.65	28.9	5.42	<1	.5	14.8	30.0

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data f FA ____

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
PPD-17538	1.09	.1	.32	.23	1.4	8.7	.5	<.01	<.05	9.5	14.63	24.4	.04	<1	.4	11.2	30
PPD-17529	2.16	.1	.24	.48	3.6	10.1	.6	.01	<.05	10.9	11.67	24.0	.04	<1	.3	23.9	30
PPD-17523	.49	.1	.19	.75	3.1	4.3	1.1	.01	<.05	8.5	9.01	20.9	.02	<1	.3	12.3	30
PPD-17531	.45	.1	.30	.33	2.7	6.7	.4	<.01	<.05	11.4	12.03	22.1	.02	<1	.3	12.0	30
PPD-17524	.88	.1	.35	.24	6.8	8.8	.6	<.01	<.05	12.5	13.38	27.0	.03	<1	.4	19.5	30
PPD-17540	.75	.1	.27	.30	4.4	9.1	.7	<.01	<.05	9.7	12.05	21.3	.04	<1	.5	16.1	30
PPD-17535	.97	.1	.21	.57	2.4	6.6	.6	<.01	<.05	9.7	12.80	19.9	.02	<1	.4	10.6	30
PPD-17533	1.26	.1	.61	.45	4.5	8.9	1.2	<.01	<.05	36.6	14.10	29.1	.05	<1	.8	10.9	30
PPD-17525	1.30	.1	.27	.21	4.9	12.5	.6	<.01	<.05	11.9	17.15	20.1	.04	1	.4	26.6	30
PPD-17528	1.12	.1	.28	.35	6.0	10.6	.7	<.01	<.05	13.0	15.26	23.2	.03	<1	.4	23.1	15
PPD-17537	.42	.1	.40	.29	1.3	6.8	.7	<.01	<.05	15.3	13.75	17.0	.02	<1	.4	9.3	30
PPD-17527	.69	.1	.33	.22	3.6	9.9	.6	<.01	<.05	13.6	14.40	18.2	.03	<1	.3	20.2	30
PPD-17532	.37	.1	.25	.39	3.6	4.5	.3	<.01	<.05	9.0	8.01	28.6	<.02	<1	.2	14.0	30
PPD-17526	.69	.1	.22	.57	2.7	5.7	.6	<.01	<.05	10.6	9.85	22.1	.03	2	.3	13.1	30
PPD-17522	2.07	.1	.29	.14	3.4	10.3	.5	<.01	<.05	11.4	12.44	15.2	.03	<1	.4	16.1	30
PPD-17536	.63	.1	.29	.45	3.3	7.2	.6	<.01	<.05	11.5	11.21	19.0	.02	<1	.4	12.9	30
LAMD-17651	.46	.1	.45	.36	3.6	4.9	.4	<.01	<.05	8.2	8.85	26.5	.02	<1	.3	12.5	30
LAMD-17560	1.17	.1	.27	.22	4.3	12.3	.6	<.01	<.05	9.9	16.41	16.0	.04	<1	.3	25.9	30
LAMD-17550	1.42	.1	.38	.28	2.9	11.5	.7	<.01	<.05	15.4	13.75	16.1	.04	1	.4	17.8	30
LAMD-17645	.68	.1	.31	.35	4.7	11.2	.6	<.01	<.05	11.8	15.11	26.4	.04	<1	.5	16.7	30
RE LAMD-17645	.69	.1	.33	.43	5.3	11.7	.6	<.01	<.05	12.2	15.38	27.1	.03	<1	.5	17.1	30
LAMD-17559	1.23	<.1	.16	2.35	6.5	11.7	.5	.04	<.05	6.9	18.72	23.1	.04	<1	1.4	16.6	30
LAMD-17551	.84	.1	.35	.20	4.7	9.6	.6	<.01	<.05	11.2	13.82	17.5	.03	2	.3	18.8	30
LAMD-17545	.71	.1	.28	.56	4.5	11.0	.6	<.01	<.05	11.4	14.22	20.4	.03	2	.4	15.0	30
LAMD-17646	.73	.1	.20	.69	2.3	4.3	.4	<.01	<.05	8.3	9.69	33.8	.02	1	.3	14.5	30
LAMD-17652	1.56	.2	.25	.11	3.7	12.5	.5	<.01	<.05	8.4	14.08	18.6	.04	<1	.3	23.8	30
LAMD-17552	.91	.1	.31	.55	3.4	8.8	.8	<.01	<.05	13.1	13.26	16.4	.03	<1	.3	15.9	30
LAMD-17557	.47	.1	.29	.19	2.6	7.3	.4	<.01	<.05	9.6	11.11	19.9	.02	2	.3	10.9	30
LAMD-17643	.95	.1	.35	.24	5.5	11.7	.7	<.01	<.05	12.9	14.66	23.1	.04	3	.4	20.5	30
LAMD-17542	.66	.1	.22	.46	2.3	4.3	.4	<.01	<.05	8.1	8.57	20.8	.02	<1	.3	14.2	30
LAMD-17558	.95	.1	.25	.51	3.3	5.9	.6	<.01	<.05	9.5	10.32	42.1	.02	3	.6	16.5	30
LAMD-17649	1.04	.1	.16	.79	8.3	6.1	.4	<.01	.07	6.9	11.45	78.7	.03	<1	.6	25.6	30
LAMD-17549	.94	.2	.44	.18	1.4	12.1	.8	<.01	<.05	19.0	16.48	15.8	.04	<1	.6	14.6	30
STANDARD DS2	3.43	<.1	.04	1.50	13.4	3.3	26.2	.03	<.05	3.0	7.90	32.3	5.45	2	.6	15.0	30

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
LAMD-17547	.48	.1	.47	.30	3.0	9.7	.8	.02	<.05	16.3	14.24	17.9	.04	<1	.4	12.7	30
LAMD-17541	.66	<.1	.21	.34	2.3	4.1	.5	.02	<.05	9.3	9.00	23.7	.02	<1	.2	14.1	30
LAMD-17548	.68	.1	.37	.18	4.1	11.2	.7	.01	<.05	12.0	16.36	17.4	.04	<1	.3	13.3	30
LAMD-17543	.97	.2	.18	.46	3.4	5.9	.7	.01	<.05	9.6	11.30	26.3	.03	<1	.5	13.3	30
LAMD-17644	.80	.1	.22	.38	7.2	6.5	.4	.01	<.05	11.1	12.31	55.2	.03	<1	.4	21.6	30
LAMD-17655	.81	.1	.19	.40	4.7	7.2	.6	.01	<.05	10.5	11.63	24.5	.04	<1	.3	15.2	30
LAMD-17648	.73	<.1	.07	.85	4.1	9.2	.3	.02	<.05	4.9	25.41	108.4	.06	<1	.6	20.7	30
LAMD-17653	1.08	.1	.31	.13	4.7	7.7	.6	.02	<.05	11.2	12.03	20.3	.06	<1	.2	20.0	30
LAMD-17657	.80	.1	.20	.12	4.7	9.5	.5	<.01	<.05	9.8	13.22	21.1	.05	1	.4	15.4	30
LAMD-17641	.96	.2	.29	.24	3.8	8.6	.7	<.01	<.05	10.8	12.25	22.2	.06	1	.5	16.3	30
LAMD-17660	1.09	<.1	.39	.37	7.1	10.4	.6	<.01	<.05	14.3	17.71	35.5	.06	2	.5	24.3	30
RE LAMD-17650	.94	<.1	.15	.57	7.6	5.9	.4	<.01	<.05	10.1	13.15	61.4	.04	3	.3	19.5	30
LAMD-17650	.95	<.1	.14	.37	7.5	5.8	.4	<.01	.07	8.3	14.14	62.9	.04	<1	.4	20.5	30
LAMD-17654	.65	.1	.12	.24	2.3	5.4	.4	<.01	<.05	5.4	6.83	12.6	.03	2	.2	9.4	30
LAMD-17554	.75	.1	.34	.24	3.6	11.0	.9	<.01	<.05	13.7	16.00	16.2	.04	<1	.5	15.8	30
LAMD-17656	1.07	.1	.21	.10	3.7	8.2	.5	<.01	<.05	8.2	11.67	20.2	.04	<1	.3	19.4	30
LAMD-17642	1.01	.1	.25	.29	3.7	7.3	.6	<.01	<.05	8.7	11.45	23.4	.03	2	.4	17.0	30
LAMD-17555	1.08	<.1	.22	.32	3.4	6.3	.6	.01	<.05	11.0	10.22	32.1	.04	<1	.4	16.3	30
LAMD-17647	1.98	<.1	.15	.63	6.5	7.6	.5	.01	<.05	8.0	15.28	62.4	.04	<1	.5	25.2	30
LAMD-17658	.60	.1	.17	.20	4.4	4.4	.4	<.01	<.05	5.9	8.10	24.9	.02	<1	.3	17.6	30
LAMD-17553	.86	.1	.30	.13	4.2	10.9	.7	<.01	<.05	11.3	14.31	19.3	.03	2	.3	14.1	30
LAMD-17546	.46	.1	.22	.25	2.4	5.5	.5	<.01	<.05	8.5	10.80	17.8	.02	1	.2	10.5	30
LAMD-17556	.32	.1	.32	.25	1.8	7.6	.5	.01	<.05	10.7	12.80	14.5	.02	<1	.2	9.5	30
LAMD-17659	.78	<.1	.16	.63	4.0	7.2	.7	<.01	<.05	7.0	11.74	26.5	.03	3	.4	21.3	30
LAMD-17544	1.11	.1	.26	.17	6.6	8.6	.5	<.01	<.05	10.5	12.64	32.8	.03	<1	.3	22.3	30
STANDARD DS2	3.34	<.1	.04	1.44	13.0	3.1	26.2	.04	<.05	2.9	7.77	31.5	5.31	<1	.5	14.4	30

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

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

WHOLE ROCK ICP ANALYSIS

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002057 Page 1

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
TCHD-17767	58.19	13.21	7.63	4.42	6.13	2.26	.62	1.44	.12	.14	.031	527	61	139	143	30	10	30	5.7	.44	<.01	100.00
TCHD-17760	53.43	12.95	9.54	5.01	4.46	1.93	.58	1.21	.12	.19	.028	707	102	115	106	28	<10	30	10.4	1.40	<.01	99.98
TCHD-17754	63.02	11.93	7.38	3.14	3.53	2.12	.79	1.33	.11	.16	.027	724	66	139	176	43	11	36	6.3	.58	<.01	99.98
TCHD-17596	67.75	10.88	6.71	2.71	2.41	1.38	1.14	1.00	.08	.20	.020	1968	70	102	143	33	10	22	5.4	.26	<.01	99.95
TCHD-17765	51.90	13.84	8.39	5.16	7.01	2.26	.48	1.46	.11	.16	.035	304	75	152	117	29	<10	32	9.0	1.41	<.01	99.89
TCHD-17771	70.31	10.77	5.10	2.35	3.53	2.18	1.01	1.28	.11	.08	.021	737	57	162	247	31	12	18	3.2	.25	<.01	100.09
TCHD-17776	68.89	11.46	5.57	2.42	3.10	2.02	1.02	1.18	.08	.10	.021	513	43	137	225	30	<10	19	4.2	.25	<.01	100.18
TCHD-17741	65.99	12.22	6.39	2.43	3.09	1.98	1.11	1.24	.13	.11	.020	852	55	146	233	35	11	23	5.1	.17	<.01	99.97
TCHD-17772	65.77	10.53	5.46	2.65	3.84	2.01	.56	1.21	.06	.09	.024	351	51	115	224	27	<10	21	7.6	1.34	<.01	99.90
TCHD-17748	69.43	10.60	5.39	2.65	4.15	2.16	.87	1.27	.14	.11	.018	858	48	168	209	32	10	21	2.9	.07	<.01	99.85
TCHD-17586	66.82	10.53	6.35	3.45	3.64	1.72	.90	1.13	.08	.14	.027	1316	75	120	151	29	<10	22	5.0	.26	<.01	99.99
TCHD-17588	64.70	12.32	6.38	3.35	3.09	2.15	.99	1.14	.10	.12	.027	623	97	176	183	28	10	18	5.7	.45	<.01	100.20
TCHD-17761	55.50	13.53	8.18	4.70	6.26	2.40	.58	1.51	.10	.16	.030	456	74	156	145	30	12	28	6.8	.82	<.01	99.86
TCHD-17755	65.57	11.84	6.43	2.66	2.80	1.87	1.12	1.21	.10	.11	.020	886	53	138	172	34	<10	22	6.2	.88	<.01	100.08
TCHD-17592	64.00	10.13	6.61	5.85	4.46	1.76	.67	1.12	.11	.13	.052	639	189	128	199	26	<10	19	5.0	.21	<.01	100.04
TCHD-17595	64.54	11.20	6.82	4.21	3.46	1.77	.86	1.09	.07	.13	.032	868	108	113	143	24	<10	20	5.6	.41	<.01	99.93
TCHD-17773	69.30	10.54	4.93	2.59	3.76	2.14	.73	1.19	.04	.09	.020	388	48	128	210	31	<10	19	4.4	.53	.01	99.83
TCHD-17599	64.18	14.64	5.70	1.24	1.24	2.60	2.99	.85	.15	.07	.007	363	27	123	335	32	18	10	6.0	1.05	.05	99.78
TCHD-17778	58.72	12.75	7.35	3.92	5.40	2.29	.53	1.40	.07	.12	.028	250	57	125	170	31	<10	28	7.4	.93	<.01	100.06
TCHD-17762	54.98	13.85	7.98	4.39	5.86	2.36	.65	1.44	.12	.15	.032	500	71	148	143	31	11	28	7.9	1.13	<.01	99.82
RE TCHD-17762	55.00	13.85	8.03	4.39	5.87	2.36	.65	1.45	.10	.15	.025	494	74	147	137	31	<10	28	8.0	1.13	<.01	99.98
TCHD-17769	62.63	11.67	6.99	4.34	5.88	2.10	.61	1.43	.06	.14	.035	624	87	141	154	32	11	28	3.9	.32	<.01	99.91
TCHD-17777	62.19	12.53	6.71	2.73	3.29	1.97	.82	1.23	.09	.10	.020	364	49	123	188	25	10	19	8.3	1.23	.01	100.07
TCHD-17591	57.85	9.37	7.27	9.54	6.58	1.37	.50	.88	.07	.13	.056	570	281	106	119	22	<10	19	6.4	.56	<.01	100.15
TCHD-17587	50.49	14.01	9.88	4.95	4.03	1.89	.62	1.20	.07	.18	.029	602	240	139	123	33	<10	32	12.6	.94	<.01	100.09
TCHD-17747	66.47	10.85	5.76	2.55	3.27	2.02	.85	1.35	.11	.10	.023	838	45	139	210	31	<10	18	6.5	.86	.01	100.00
TCHD-17742	65.58	12.19	6.60	2.39	2.89	1.89	1.11	1.23	.12	.12	.017	862	64	142	211	35	<10	21	5.9	.28	.01	100.19
TCHD-17779	67.53	11.75	5.24	1.81	2.23	1.70	1.17	1.18	.09	.09	.018	618	51	136	288	31	19	15	7.0	.96	<.01	99.95
TCHD-17597	63.23	12.03	6.43	2.54	2.78	1.80	1.10	1.20	.14	.13	.021	995	54	130	181	30	<10	20	8.4	1.48	.04	99.97
TCHD-17757	62.99	13.48	7.33	1.96	1.75	1.45	2.04	1.08	.18	.09	.014	1225	58	103	239	38	10	20	7.4	.39	<.01	99.96
TCHD-17589	60.33	11.66	7.66	5.93	4.36	1.86	.70	1.01	.05	.18	.041	749	135	122	160	27	<10	22	6.2	.36	.01	100.12
TCHD-17768	60.17	12.10	6.63	3.31	4.36	1.95	.67	1.25	.10	.12	.024	582	65	131	171	28	<10	23	9.1	1.68	.02	99.90
TCHD-17594	57.04	10.86	8.22	5.79	6.01	1.28	1.01	1.00	.14	.21	.030	1878	160	115	104	26	<10	23	8.2	.77	.01	100.06
STANDARD SO-15/CSB	49.08	12.82	7.30	7.26	5.87	2.41	1.85	1.66	2.70	1.39	1.061	1910	78	396	912	22	31	12	5.9	2.39	5.33	99.70

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: -230 TILL
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 23 2000 **DATE REPORT MAILED:** July 14/00 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
TCHD-17770	66.07	10.23	6.17	3.50	4.40	2.03	.85	1.31	.16	.14	.026	656	68	137	170	27	<10	21	5.2	.63	<.01	100.21
TCHD-17763	65.38	10.16	6.01	3.33	3.89	1.79	.83	1.21	.15	.14	.026	1064	57	107	134	25	<10	22	7.1	1.33	<.01	100.18
TCHD-17598	66.04	13.26	5.53	2.09	1.94	1.77	1.90	1.11	.13	.08	.016	787	46	150	240	30	17	18	5.8	.55	<.01	99.82
TCHD-17756	67.06	11.68	6.15	2.58	2.83	1.90	1.20	1.20	.14	.11	.019	1097	55	136	185	30	<10	21	4.8	.14	<.01	99.85
TCHD-17585	61.16	12.55	8.57	3.52	2.93	1.61	1.32	1.19	.23	.20	.025	913	82	123	155	37	<10	29	6.5	.28	<.01	99.96
TCHD-17593	63.98	11.17	7.26	3.97	2.79	1.56	1.03	1.04	.14	.16	.029	1247	102	108	138	26	<10	22	6.6	.26	.01	99.92
TCHD-17590	60.61	10.11	7.38	7.87	5.20	1.73	.64	.97	.14	.14	.053	583	239	116	130	22	<10	21	5.1	.13	<.01	100.08
TCHD-17780	66.61	10.96	6.07	2.94	3.77	2.11	.81	1.25	.11	.11	.023	416	46	124	233	28	17	22	5.0	.37	<.01	99.87
TCHD-17743	60.19	11.70	7.26	3.51	4.69	2.17	.70	1.48	.20	.14	.030	479	57	139	242	30	<10	26	7.9	1.32	<.01	100.09
TCHD-17583	65.98	10.56	5.83	3.38	4.29	1.60	1.27	.99	.17	.11	.020	810	65	166	227	26	<10	17	5.6	.51	<.01	99.96
TCHD-17600	68.42	11.05	6.09	2.12	2.24	1.69	1.34	1.12	.16	.11	.018	851	48	129	248	29	15	18	5.4	.24	<.01	99.92
TCHD-17584	69.01	10.62	5.71	2.12	2.78	1.67	1.19	1.16	.23	.09	.019	866	60	147	271	34	10	19	5.2	.59	<.01	99.97
TCHD-17758	58.42	13.44	8.04	4.40	3.59	1.75	1.04	1.22	.12	.13	.029	1055	76	113	141	25	<10	28	7.7	.43	<.01	100.05
TCHD-17764	61.11	11.17	7.43	4.24	4.91	1.90	.04	1.30	.19	.20	.030	791	73	135	148	27	<10	25	6.7	.91	<.01	99.36
TCHD-17766	53.62	18.01	8.80	2.43	4.04	2.91	1.07	1.32	.13	.14	.008	342	<20	330	164	27	<10	22	7.4	.68	<.01	99.99
TCHD-17759	57.37	11.97	7.57	5.17	6.42	1.93	.62	1.24	.11	.15	.030	602	70	128	93	25	<10	30	7.3	.70	<.01	99.99
TCHD-17750	63.59	10.49	5.92	2.87	5.77	1.66	1.13	1.03	.13	.11	.020	647	55	196	185	25	<10	17	7.1	.84	.01	99.95
TCHD-17775	56.19	11.79	8.11	3.92	4.76	1.85	.51	1.32	.13	.15	.025	239	53	122	147	27	<10	25	11.2	1.74	<.01	100.03
TCHD-17753	65.98	10.17	6.12	3.54	5.00	2.29	.61	1.48	.11	.14	.029	749	48	143	232	32	10	28	4.3	.30	<.01	99.92
TCHD-17749	68.95	10.62	5.75	2.74	3.24	2.13	.95	1.31	.12	.12	.023	999	50	142	185	28	<10	21	4.1	.23	<.01	100.22
TCHD-17744	66.48	10.47	6.26	3.41	5.20	2.11	.73	1.32	.19	.12	.026	582	56	167	218	33	<10	26	3.7	.16	<.01	100.15
RE TCHD-17744	66.19	10.59	6.34	3.36	5.18	2.26	.72	1.37	.14	.12	.025	603	47	170	205	33	<10	26	3.7	.15	<.01	100.12
TCHD-17774	53.79	11.94	8.53	4.80	6.59	2.32	.33	1.45	.20	.16	.038	174	88	101	140	27	<10	32	9.8	1.79	<.01	100.02
TCHD-17582	66.14	10.28	6.73	3.50	3.85	1.71	.85	1.24	.10	.18	.022	1664	67	113	125	26	<10	23	5.2	.47	<.01	100.03
TCHD-17751	50.41	13.24	8.82	3.93	4.26	1.82	.62	1.42	.13	.13	.026	318	64	117	129	26	<10	25	15.2	2.88	<.01	100.09
TCHD-17746	69.14	10.09	5.74	2.73	3.11	1.66	1.06	1.23	.04	.10	.020	1000	52	103	219	26	<10	19	4.9	.43	<.01	99.99
TCHD-17745	64.99	11.68	6.67	2.54	2.21	1.56	1.29	1.11	.22	.09	.020	1176	58	120	211	30	<10	21	7.3	.23	.01	99.87
TCHD-17752	56.42	12.30	7.41	4.45	6.20	2.27	.47	1.46	.03	.13	.029	331	61	124	123	26	<10	31	8.7	1.36	<.01	99.95
TCHD-17581	66.37	10.26	6.78	3.37	3.74	1.69	.87	1.24	.09	.18	.023	1713	58	113	114	26	<10	22	5.3	.49	<.01	100.15
LAMD-17675	60.52	12.38	7.94	3.92	3.97	1.62	.94	1.19	.09	.16	.031	1186	84	137	192	29	<10	27	7.2	.26	<.01	100.15
LAMD-17661	63.11	11.95	8.08	2.93	2.51	1.82	1.03	1.23	.10	.35	.024	1067	75	130	161	37	<10	32	6.9	.42	<.01	100.21
LAMD-17678	62.77	11.00	7.02	3.77	1.50	.80	1.32	1.03	.10	.15	.038	2983	95	67	132	22	15	18	10.1	1.73	<.01	99.98
LAMD-17670	58.18	11.86	8.14	3.10	2.56	1.83	1.17	1.25	.15	.24	.018	1045	66	114	184	32	<10	21	11.5	2.24	<.01	100.17
STANDARD SO-15/CSB	49.49	12.23	7.33	7.29	5.89	2.42	1.86	1.72	2.71	1.40	1.064	2010	71	398	983	22	20	12	5.9	2.41	5.31	99.72

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
LAMD-17674	67.60	11.11	5.41	2.17	2.49	1.77	1.42	1.38	.07	.09	.025	758	43	118	317	30	<10	16	6.3	1.05	<.01	99.99
LAMD-17676	61.57	11.12	7.01	4.11	3.97	1.46	.93	1.17	.13	.20	.032	1100	72	110	156	24	<10	23	8.2	1.20	<.01	100.08
LAMD-17667	46.42	10.07	7.47	1.67	1.37	.77	.99	1.01	.28	.07	.020	1081	45	79	151	29	<10	15	29.8	8.06	<.01	100.10
LAMD-17664	56.78	11.19	5.07	1.99	8.93	.54	2.36	1.00	.20	.11	.028	6506	85	116	236	35	<10	19	11.0	1.83	.04	99.99
LAMD-17679	53.61	12.53	8.12	4.00	4.37	1.64	.68	1.25	.13	.14	.033	554	78	115	139	29	<10	26	13.5	2.48	.01	100.11
LAMD-17672	57.48	11.61	7.89	4.60	4.37	1.37	.72	1.11	.40	.15	.040	878	87	97	148	33	<10	26	10.2	1.55	<.01	100.09
LAMD-17663	66.75	13.04	5.74	2.20	.99	1.36	2.19	1.16	.13	.06	.025	2448	63	78	233	27	11	15	6.0	.07	.01	99.97
LAMD-17677	60.44	11.54	7.50	3.08	2.92	1.48	.99	1.19	.10	.15	.029	782	69	100	187	25	<10	21	10.6	1.92	<.01	100.16
LAMD-17668	65.01	10.60	5.96	2.26	1.74	1.08	1.02	1.05	.19	.12	.023	1525	65	80	175	23	<10	15	10.8	1.81	<.01	100.07
LAMD-17673	55.98	10.66	7.11	1.87	.89	.90	1.19	.90	.39	.08	.014	2010	51	68	202	21	11	11	19.7	5.32	.02	99.96
LAMD-17665	66.60	11.06	7.09	3.45	2.69	1.46	1.35	1.35	.22	.16	.024	1412	56	92	240	41	<10	23	4.3	.15	.01	99.97
LAMD-17671	65.63	12.40	6.24	2.86	2.75	2.08	1.49	1.23	.14	.09	.021	1002	44	119	251	30	<10	19	4.8	.22	<.01	99.90
LAMD-17666	54.18	17.59	8.64	2.49	4.16	2.69	1.07	1.34	.15	.13	.015	321	20	311	191	26	<10	22	7.3	.68	.01	99.86
LAMD-17662	63.46	11.40	7.85	3.34	3.05	1.71	1.14	1.22	.15	.28	.029	979	64	131	184	37	<10	32	6.3	.29	.01	100.10
LAMD-17669	66.34	9.79	6.78	3.30	3.08	1.28	1.00	1.06	.20	.19	.027	1959	67	97	162	27	<10	20	6.6	.89	.01	99.91
LAMD-17680	63.08	9.80	7.09	1.78	1.61	1.23	1.05	1.22	.18	.13	.029	979	34	94	168	23	<10	14	13.0	3.01	.01	100.35
PPD-17624	70.52	9.97	6.26	1.94	1.43	1.28	1.59	.89	.27	.23	.014	2881	57	69	237	64	<10	18	5.2	.42	.02	99.97
PPD-17640	62.46	12.26	7.67	3.24	3.10	1.73	.98	1.23	.07	.13	.025	443	64	126	201	31	<10	26	7.0	.28	<.01	100.00
PPD-17626	57.19	13.10	9.36	5.04	5.28	1.55	1.26	1.32	.15	.17	.028	1387	71	111	141	33	<10	35	5.2	.16	<.01	99.85
PPD-17634	62.83	10.92	7.69	4.41	4.19	1.62	.66	1.34	.10	.23	.036	498	72	92	196	30	<10	30	6.0	.41	<.01	100.14
PPD-17631	58.36	11.21	6.69	2.64	2.79	1.51	.94	1.19	.15	.09	.024	917	53	114	202	28	<10	18	14.3	3.34	.01	100.05
PPD-17638	54.13	12.89	8.85	5.18	5.56	2.10	.40	1.51	.12	.20	.036	298	76	118	121	29	<10	34	9.0	.81	<.01	100.06
RE PPD-17638	54.50	13.21	8.71	5.10	5.43	2.17	.40	1.51	.11	.20	.037	307	61	120	137	27	<10	33	8.5	.82	<.01	99.96
PPD-17635	61.43	11.55	8.29	4.20	3.69	2.00	.58	1.38	.11	.20	.034	426	85	93	147	33	<10	36	6.5	.42	<.01	100.06
PPD-17627	59.13	11.51	7.75	3.38	4.29	1.62	.71	1.44	.23	.11	.027	510	49	120	185	27	<10	23	9.7	1.57	.01	100.01
PPD-17632	58.59	12.74	8.72	4.06	3.14	1.68	.72	1.28	.20	.17	.027	492	56	224	163	35	<10	33	8.5	.40	<.01	99.95
PPD-17625	69.87	11.81	5.14	1.62	1.24	1.22	2.08	.95	.13	.08	.019	2168	48	94	228	35	13	13	5.4	.77	<.01	99.86
PPD-17628	68.76	11.09	5.27	2.77	3.52	2.22	1.14	1.35	.09	.09	.025	914	42	129	250	30	<10	20	3.5	.14	<.01	99.99
PPD-17636	59.67	12.80	9.28	3.64	3.14	1.60	.87	1.41	.12	.23	.037	500	77	103	171	33	<10	38	7.0	.44	<.01	99.91
PPD-17621	55.53	13.02	7.63	2.26	6.85	1.12	2.51	1.31	.32	.13	.025	976	329	173	211	31	20	17	8.9	1.51	<.01	99.81
PPD-17630	68.60	12.07	5.54	2.49	1.85	1.86	2.03	1.27	.01	.08	.018	832	41	89	281	26	10	15	3.9	.46	<.01	99.87
PPD-17639	59.96	12.40	8.30	4.03	3.74	1.67	.80	1.29	.09	.15	.029	430	67	110	162	27	<10	27	7.6	.41	<.01	100.16
PPD-17622	56.97	13.15	7.65	2.55	5.94	1.11	2.37	1.30	.27	.13	.029	987	892	169	197	31	20	17	8.1	1.29	.03	99.85
STANDARD SO-15/CSB	49.93	12.41	7.20	7.16	5.79	2.38	1.85	1.78	2.66	1.37	1.045	1968	75	391	962	22	18	12	5.9	2.41	5.29	99.89

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
PPD-17629	64.66	14.84	6.07	2.33	.90	1.75	2.27	1.14	.21	.07	.008	1058	52	83	244	30	<10	16	5.5	.38	.01	99.92
PPD-17637	62.98	10.92	5.94	2.99	3.98	1.89	.52	1.39	.15	.12	.021	277	87	105	179	27	<10	24	9.3	1.91	.01	100.29
PPD-17623	61.82	12.31	7.97	1.88	1.67	1.18	1.94	.92	.34	.29	.018	2736	111	95	188	92	<10	30	9.3	1.40	.02	100.01
PPD-17633	54.41	18.28	8.25	2.20	3.78	2.91	1.15	1.41	.20	.13	.008	350	<20	324	179	30	<10	23	7.5	.68	.01	100.34
GSMD-17705	61.00	13.64	8.79	1.66	.88	1.57	1.84	1.55	.31	.12	.031	1407	150	97	229	37	<10	20	8.3	1.26	.01	99.92
GSMD-17711	59.44	14.47	8.30	3.32	2.15	1.36	2.44	1.29	.24	.16	.023	1206	101	99	184	35	<10	24	6.6	.30	.01	99.99
GSMD-17717	70.05	11.33	4.82	1.55	.49	.93	1.43	1.06	.16	.05	.016	2542	42	64	264	32	<10	14	7.9	1.46	.01	100.12
GSMD-17701	64.78	13.61	6.43	2.66	2.87	1.65	2.16	1.14	.21	.11	.018	1252	57	145	159	32	<10	21	4.1	.16	.01	99.93
GSMD-17718	62.98	12.05	7.36	3.38	3.92	1.69	1.28	1.38	.20	.15	.024	1069	76	130	154	34	<10	27	5.9	.21	.01	100.49
GSMD-17713	62.87	12.25	7.85	3.21	3.28	1.91	.90	1.34	.13	.17	.022	734	74	150	179	37	<10	29	6.3	.29	.01	100.37
GSMD-17709	59.54	12.48	9.17	4.15	3.46	1.48	1.17	1.43	.17	.17	.025	1118	127	106	132	36	<10	30	6.9	.28	.01	100.32
GSMD-17716	46.74	14.46	8.65	5.78	7.61	.74	.34	.95	.20	.14	.041	259	110	141	74	26	<10	33	14.6	1.98	.01	100.33
GSMD-17714	62.61	12.73	7.45	3.32	2.74	1.81	1.10	1.29	.16	.14	.026	804	88	139	191	31	<10	25	6.6	.28	.03	100.13
GSMD-17703	70.54	10.99	5.69	2.15	2.16	1.47	1.74	1.16	.21	.15	.018	1511	71	121	249	40	<10	18	3.6	.16	.01	100.11
GSMD-17707	70.64	10.11	5.39	2.27	3.10	1.64	1.18	1.40	.24	.10	.019	1130	68	126	279	42	<10	22	3.9	.44	.02	100.19
GSMD-17702	64.27	14.23	6.49	2.38	2.64	1.75	2.13	1.19	.22	.11	.016	1408	55	144	178	34	<10	22	4.3	.15	.01	99.94
GSMD-17710	62.15	15.19	7.52	2.30	1.51	1.51	2.67	1.54	.14	.12	.019	1232	101	76	213	40	11	22	5.0	.28	.01	99.87
GSMD-17715	53.58	13.98	9.46	4.25	5.19	2.07	.64	1.62	.17	.16	.022	445	75	147	148	35	<10	35	9.0	.26	.01	100.25
GSMD-17720	63.45	11.81	6.73	2.85	3.54	1.69	1.03	1.34	.19	.12	.017	834	60	126	207	36	<10	25	7.2	1.16	.01	100.12
RE GSMD-17720	63.55	11.93	6.77	2.78	3.51	1.71	1.03	1.36	.23	.12	.019	852	63	124	190	38	<10	26	7.0	1.19	.01	100.16
GSMD-17708	63.84	12.46	6.96	3.07	3.16	1.83	1.37	1.49	.14	.13	.021	898	64	107	181	32	<10	25	5.4	.52	.02	100.02
GSMD-17712	64.55	11.92	6.72	3.23	3.50	2.10	.81	1.38	.15	.11	.022	675	556	126	190	31	<10	29	5.4	.17	.01	100.09
GSMD-17704	60.12	15.09	8.24	1.77	.69	1.27	2.33	1.57	.28	.11	.026	1232	782	90	242	33	23	18	8.1	1.05	.01	99.89
GSMD-17719	64.21	12.92	7.35	2.67	2.45	1.56	1.57	1.37	.16	.13	.020	1493	82	96	194	37	<10	25	5.5	.16	.01	100.13
GSMD-17706	51.13	7.71	4.54	1.47	16.44	1.19	1.02	1.22	.30	.09	.014	1073	79	184	200	31	<10	13	14.9	3.68	.01	100.21
SJCD-10403	51.43	14.99	11.74	2.27	4.40	1.85	2.03	.87	.48	.14	.014	3027	97	352	86	35	<10	22	9.2	1.14	.04	99.82
SJCD-10406	53.80	14.40	10.74	4.69	2.69	2.12	1.50	.83	.35	.16	.026	1227	130	481	80	24	<10	27	8.4	.46	.01	99.93
SJCD-10404	50.50	12.11	9.41	1.38	9.53	1.53	1.70	.81	.47	.13	.012	2980	95	460	89	32	<10	19	11.9	2.14	.05	99.90
SJCD-10401	53.75	15.35	13.20	1.07	1.07	1.62	2.30	.96	.35	.10	.024	2370	171	96	97	29	<10	28	9.5	.58	.01	99.61
SJCD-10405	47.12	12.74	20.29	2.90	1.24	1.46	1.70	.63	.43	.31	.022	1396	295	287	59	39	<10	24	10.8	.77	.01	99.89
SJCD-10402	50.62	15.22	15.43	1.13	1.41	1.51	2.10	1.10	.32	.10	.024	2378	170	103	106	32	<10	28	10.3	.61	.01	99.59
STANDARD SO-15/CSB	50.33	12.40	7.09	7.05	5.70	2.34	1.90	1.82	2.62	1.35	1.030	2017	80	385	991	23	18	12	5.9	2.42	5.32	99.95

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data N 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 2398 File # A002057 Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
TCHD-17767	.24	58.84	4.12	43.3	18	46.6	20.1	719	3.49	2.3	.2	1.6	1.6	18.2	.10	.21	.07	116	1.41	.046	5.8	53.0	1.19	129.3	.331	2	2.77	.028	.04	<.2	<.02	15	.4	.03	7.1
TCHD-17760	.42	117.91	4.37	72.3	61	102.6	44.5	1367	5.59	18.9	.2	4.2	1.3	31.5	.14	.53	.08	168	1.29	.053	6.8	106.1	2.06	286.3	.297	<1	3.57	.028	.03	<.2	<.02	35	.6	.03	10.0
TCHD-17754	.38	56.83	9.46	55.8	68	51.3	25.1	1077	3.97	29.7	.3	47.2	2.1	21.1	.18	1.34	.06	110	.96	.053	9.4	81.5	1.13	257.8	.212	1	2.11	.015	.05	<.2	<.02	65	.4	.03	5.9
TCHD-17596	.61	100.00	14.42	83.7	58	67.1	20.0	1387	3.83	8.2	.4	9.0	3.9	23.3	.14	.72	.18	93	.78	.049	14.3	68.8	1.08	760.0	.198	2	2.16	.020	.11	.3	.03	133	.3	.11	6.2
TCHD-17765	.21	58.05	2.39	44.4	26	53.6	30.7	840	3.81	1.9	.1	2.4	1.0	26.7	.13	.14	.03	129	1.64	.050	4.0	51.2	1.36	61.5	.394	1	3.26	.032	.04	<.2	<.02	31	.5	.02	7.9
TCHD-17771	.27	16.44	5.83	32.7	25	27.8	9.5	371	2.30	3.3	.3	3.9	3.0	17.2	.09	.33	.06	70	.81	.053	11.6	43.0	.61	159.0	.210	<1	1.37	.028	.07	<.2	<.02	15	.2	<.02	4.4
TCHD-17776	.21	34.04	5.15	39.9	25	34.1	13.9	552	2.84	5.2	.3	1.9	3.2	20.6	.08	.32	.07	87	.88	.048	10.7	51.4	.79	138.2	.227	2	1.89	.028	.07	<.2	<.02	15	.2	<.02	5.4
TCHD-17741	.45	45.67	12.32	63.4	28	43.2	16.6	704	3.45	6.7	.4	6.4	3.6	21.9	.17	.72	.12	102	.97	.062	13.0	71.0	.84	298.6	.244	3	2.18	.024	.08	<.2	<.02	50	.3	.02	6.0
TCHD-17772	.22	27.96	3.48	29.5	46	31.3	12.7	437	2.65	3.5	.2	1.0	1.6	10.7	.08	.23	.03	88	.89	.038	5.8	47.0	.67	90.0	.267	3	2.02	.013	.02	<.2	<.02	37	.3	.02	5.4
TCHD-17748	.35	45.47	7.58	49.9	52	31.3	12.9	590	2.55	4.5	.3	4.0	2.7	23.1	.15	.53	.07	72	.95	.064	11.0	35.8	.70	266.1	.209	1	1.36	.025	.05	<.2	<.02	36	.1	.02	4.5
TCHD-17586	.29	63.41	7.18	56.4	41	65.5	19.1	841	3.29	4.0	.2	5.1	2.7	23.2	.09	.33	.09	90	1.01	.048	11.1	66.4	1.17	503.9	.233	4	2.16	.026	.08	<.2	<.02	42	.2	.04	6.2
TCHD-17588	.18	40.87	5.06	46.4	27	85.2	20.5	670	3.29	4.3	.3	6.2	2.7	25.1	.10	.31	.06	87	.80	.045	10.7	70.8	1.25	200.3	.214	1	2.39	.033	.05	<.2	<.02	31	.2	.02	6.5
TCHD-17761	.25	55.69	3.90	45.3	31	53.1	25.0	820	3.81	2.5	.3	1.7	1.9	25.4	.11	.19	.05	135	1.61	.043	6.7	55.2	1.30	154.2	.403	2	3.05	.034	.03	<.2	<.02	20	.3	.02	8.4
TCHD-17755	.46	40.49	10.66	57.8	48	41.5	17.5	640	3.52	7.9	.4	4.4	3.1	21.0	.15	.60	.09	102	.82	.047	13.2	71.5	.93	270.4	.217	1	2.18	.018	.06	<.2	<.02	36	.3	<.02	6.1
TCHD-17592	.19	49.64	3.84	39.9	18	158.7	26.0	587	3.07	2.0	.2	14.2	2.3	17.7	.09	.19	.07	63	.81	.046	8.8	81.5	1.88	273.1	.178	2	2.15	.025	.05	<.2	<.02	21	.1	.03	5.1
TCHD-17595	.27	50.43	5.87	49.0	23	104.7	22.2	701	3.55	3.6	.3	3.4	2.6	18.4	.09	.31	.08	93	.88	.030	9.8	88.6	1.48	329.5	.222	2	2.36	.029	.06	<.2	<.02	30	.2	.02	6.5
TCHD-17773	.17	26.66	3.36	30.7	14	27.3	10.8	393	2.26	5.4	.2	3.4	2.4	13.0	.09	.24	.05	75	.85	.033	8.4	39.6	.64	86.0	.238	4	1.68	.018	.02	<.2	<.02	22	.2	<.02	4.7
TCHD-17599	16.13	243.27	44.31	63.7	188	15.9	6.7	304	3.57	115.8	2.4	5.4	11.9	10.7	.16	.68	48.33	41	.11	.074	27.1	25.6	.53	71.2	.102	30	1.84	.026	.29	144.7	.31	7	.8	.21	6.5
TCHD-17778	.22	43.53	2.68	40.8	15	41.6	19.1	614	3.68	3.3	.2	3.4	1.5	22.9	.10	.25	.09	133	1.36	.034	5.4	64.3	1.06	65.9	.382	<1	3.03	.035	.03	1.0	<.02	29	.4	<.02	8.4
TCHD-17762	.28	56.35	4.97	46.7	64	52.9	25.7	821	3.82	2.8	.3	1.7	2.3	22.7	.13	.25	.08	129	1.54	.046	7.9	54.4	1.27	160.1	.384	2	3.10	.034	.04	.3	<.02	21	.5	<.02	8.3
RE TCHD-17762	.29	56.73	4.94	46.4	59	52.8	25.6	820	3.82	3.0	.3	2.6	2.2	22.1	.13	.24	.07	127	1.52	.046	7.8	53.9	1.26	160.0	.380	2	3.08	.032	.03	<.2	<.02	27	.5	.02	8.5
TCHD-17769	.25	55.96	4.17	38.8	25	59.2	18.6	683	3.00	3.0	.2	3.0	1.7	17.6	.08	.29	.06	97	1.23	.039	7.1	48.2	1.10	185.9	.288	<1	2.30	.027	.03	<.2	<.02	19	.3	.02	6.0
TCHD-17777	.28	36.50	4.20	44.4	26	39.4	17.4	583	3.53	5.3	.2	4.8	2.4	19.4	.09	.31	.06	112	.96	.032	8.1	62.9	.93	89.5	.282	1	2.74	.024	.05	<.2	<.02	23	.3	.02	7.4
TCHD-17591	.13	72.05	2.81	45.1	35	282.5	39.6	618	3.41	2.0	.1	2.1	1.6	35.8	.09	.14	.04	54	2.08	.037	6.4	96.4	3.47	233.1	.168	1	2.27	.025	.06	<.2	<.02	22	.2	.02	5.4
TCHD-17587	.24	91.93	4.57	63.7	29	265.4	42.0	1182	5.73	9.6	.2	5.5	1.9	42.2	.12	.52	.06	150	1.37	.020	9.0	129.6	2.21	328.5	.330	3	3.68	.024	.04	<.2	<.02	44	.5	<.02	10.4
TCHD-17747	.44	26.44	10.59	65.5	83	42.5	14.5	537	2.91	8.1	.5	3.1	2.2	17.8	.36	.67	.11	80	.83	.034	10.1	53.7	.78	230.2	.211	2	1.64	.009	.03	<.2	<.02	26	.3	<.02	5.2
TCHD-17742	.47	44.76	13.16	66.5	23	43.5	16.3	720	3.46	7.5	.4	4.2	3.6	20.5	.19	.74	.13	102	.90	.058	13.4	69.9	.83	296.7	.242	1	2.24	.018	.06	<.2	<.02	51	.3	.02	6.3
TCHD-17779	.42	19.82	7.20	56.2	63	30.3	12.7	439	2.68	4.8	.3	3.2	3.4	9.5	.16	.35	.09	70	.40	.044	13.8	45.4	.52	123.0	.150	1	1.78	.006	.02	<.2	.02	37	.4	<.02	5.4
TCHD-17597	.63	56.69	12.77	72.3	109	43.2	17.4	803	3.50	6.6	.3	4.2	2.8	17.3	.22	.62	.10	98	.68	.052	12.7	62.7	.87	311.6	.227	2	2.10	.010	.05	<.2	<.02	63	.5	.03	6.6
TCHD-17757	.93	52.48	26.15	127.9	228	44.3	16.0	601	4.25	36.1	1.1	6.6	7.0	24.9	.36	2.84	.32	81	.78	.072	24.0	74.5	.77	298.9	.137	<1	1.94	.008	.10	<.2	.19	486	.5	.02	5.6
TCHD-17589	.21	71.03	4.66	42.7	27	112.7	27.2	869	3.68	2.3	.2	3.0	2.2	21.0	.06	.21	.06	98	.91	.036	8.3	92.1	2.03	358.2	.208	12	2.78	.030	.06	<.2	<.02	25	.2	.02	7.6
TCHD-17768	.36	52.99	4.94	41.3	85	48.1	21.8	591	3.25	3.6	.3	2.7	2.0	15.7	.12	.31	.06	107	.99	.035	7.0	59.4	.87	144.8	.290	1	2.51	.012	.03	<.2	<.02	45	.5	<.02	6.6
TCHD-17594	.49	107.55	11.36	95.4	133	146.4	38.2	1339	4.63	22.0	.2	11.6	2.3	56.9	.18	1.69	.11	99	3.01	.049	10.7	87.6	2.50	1052.1	.199	5	2.52	.017	.10	<.2	<.02	145	.4	.05	8.1
STANDARD DS2	13.75	123.95	32.40	158.9	275	34.5	12.2	808	3.26	58.4	17.9	212.3	3.4	28.6	9.78	9.13	10.64	73	.56	.085	15.3	153.7	.57	137.8	.087	2	1.68	.031	.16	6.7	1.85	230	2.2	1.90	6.0

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: -230 TILL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 23 2000 DATE REPORT MAILED: July 14/00 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data h 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
TCHD-17770	.39	44.02	5.75	39.4	31	57.3	18.4	734	2.77	4.6	.2	5.4	2.0	13.1	.10	.37	.09	87	.86	.052	7.3	49.3	.90	147.6	.236	<1	1.69	.042	.04	<.2	<.02	29	.4	.02	5.3
TCHD-17763	.36	46.42	6.72	45.9	55	40.4	17.1	778	2.80	3.9	.2	8.8	2.1	11.1	.15	.33	.10	102	.85	.039	8.6	50.2	.91	277.7	.284	2	2.08	.028	.04	<.2	<.02	43	.6	<.02	6.2
TCHD-17598	.76	28.09	8.86	63.3	52	37.0	12.4	474	2.99	4.6	.6	4.4	4.7	17.9	.14	.41	.14	71	.57	.044	17.5	59.5	.76	179.7	.138	1	1.88	.035	.10	<.2	.05	45	.2	.03	6.2
TCHD-17756	.55	44.59	12.84	71.8	81	42.0	15.7	659	3.17	8.3	.4	5.2	4.4	21.6	.22	.93	.16	90	.86	.066	15.1	69.8	.89	278.7	.210	<1	1.73	.042	.12	<.2	.02	61	.3	.06	5.9
TCHD-17585	.52	110.78	7.89	77.8	82	71.3	36.4	1364	4.50	12.4	.4	7.5	3.6	24.4	.16	1.13	.11	134	.89	.065	10.9	70.3	1.39	117.5	.240	<1	2.31	.035	.08	<.2	<.02	83	.3	<.02	7.0
TCHD-17593	.33	74.51	8.48	68.7	30	104.8	22.9	1031	4.00	8.8	.3	4.5	3.6	18.8	.11	.68	.12	108	.82	.044	12.8	95.7	1.48	533.6	.234	1	2.59	.033	.12	<.2	<.02	67	.2	.05	7.8
TCHD-17590	.14	62.96	3.38	44.1	36	237.5	32.6	640	3.23	2.5	.1	1.6	2.0	19.0	.07	.14	.05	66	.96	.047	7.6	88.6	2.55	197.3	.150	1	2.27	.040	.05	<.2	<.02	23	<.1	<.02	5.8
TCHD-17780	.19	49.57	4.06	38.8	45	34.9	14.4	618	2.90	8.0	.2	5.5	2.6	17.5	.08	.36	.06	98	.96	.044	8.4	49.1	.86	108.2	.267	<1	2.05	.035	.06	<.2	<.02	49	.7	.13	6.3
TCHD-17743	.32	37.63	3.58	43.6	49	43.1	19.4	700	3.29	6.4	.2	4.5	1.7	11.9	.16	.41	.05	121	.99	.060	5.9	67.5	.93	126.7	.311	<1	2.60	.016	.03	<.2	<.02	47	.7	.06	7.2
TCHD-17583	.35	46.26	7.25	60.6	55	54.6	17.1	676	3.00	4.8	.3	2.2	4.5	55.1	.15	.33	.11	64	1.85	.059	12.7	45.9	1.21	289.8	.150	1	1.84	.023	.09	<.2	.02	29	.3	.02	5.6
TCHD-17600	.54	42.61	9.24	66.5	57	42.3	16.5	712	3.23	6.1	.5	3.3	4.6	19.8	.19	.68	.10	91	.80	.061	14.1	63.0	.78	260.6	.206	<1	1.84	.028	.10	<.2	.02	50	.2	<.02	6.1
TCHD-17584	.41	56.11	10.41	48.1	42	41.9	15.5	489	2.69	10.8	.4	.9	3.8	21.1	.08	.74	.11	67	.52	.068	14.4	40.1	.56	100.1	.091	<1	1.34	.014	.04	<.2	<.02	41	.4	<.02	3.7
TCHD-17758	.28	79.77	16.78	78.5	42	73.8	23.3	811	4.33	9.6	.3	2.5	2.5	20.1	.17	.72	.10	143	.97	.035	8.4	122.3	1.74	400.5	.275	2	3.19	.032	.10	<.2	.02	61	.4	<.02	8.7
TCHD-17764	.42	72.49	6.66	51.7	35	58.9	27.6	1144	3.28	7.3	.2	3.9	1.8	15.0	.15	.73	.10	101	.87	.069	7.2	53.8	1.10	269.1	.251	<1	2.41	.019	.04	<.2	<.02	34	.7	.02	6.4
TCHD-17766	1.10	30.25	8.78	48.5	53	12.0	12.3	459	3.99	2.5	.5	1.3	2.6	43.4	.07	.09	.16	162	.47	.042	10.6	37.7	.50	81.1	.370	<1	4.07	.117	.06	<.2	.09	36	.4	.03	10.1
TCHD-17759	.29	80.49	2.72	42.0	89	56.7	20.0	748	3.36	2.4	.1	1.5	1.4	20.6	.09	.23	.05	114	1.35	.029	5.6	46.2	1.31	194.1	.337	1	2.97	.041	.04	<.2	<.02	16	.5	<.02	7.3
TCHD-17750	.50	37.59	8.10	62.6	56	44.5	16.7	676	3.15	5.9	.3	2.4	4.1	95.9	.25	.54	.11	81	2.96	.058	12.5	53.0	1.02	195.1	.195	2	1.84	.032	.13	<.2	.03	56	.3	<.02	5.6
TCHD-17775	.28	61.02	2.33	44.4	30	49.8	25.0	868	4.06	6.5	.1	3.0	1.3	28.5	.13	.40	.05	131	1.35	.035	4.5	68.1	1.34	53.7	.363	1	3.27	.032	.03	<.2	<.02	35	.8	.04	8.2
TCHD-17753	.20	35.99	106.81	99.7	90	33.7	15.2	730	2.57	5.6	.2	11.2	1.9	16.0	.24	.40	.05	97	1.08	.042	7.5	48.9	.89	252.0	.261	<1	1.66	.028	.03	<.2	<.02	41	.4	.03	5.3
TCHD-17749	.39	34.42	11.67	49.2	23	35.8	13.4	648	2.75	4.5	.3	4.7	2.7	16.7	.15	.47	.07	97	.80	.030	10.2	55.5	.85	290.1	.250	1	1.68	.047	.08	<.2	<.02	31	.4	.03	5.7
TCHD-17744	.30	37.00	3.55	39.1	26	32.7	13.6	546	2.73	3.8	.2	2.7	2.0	16.7	.11	.42	.05	89	1.08	.065	6.3	46.4	.80	183.8	.246	<1	1.63	.021	.04	<.2	<.02	35	.2	<.02	5.2
RE TCHD-17744	.30	36.39	3.46	38.6	24	31.7	13.2	527	2.65	3.7	.2	2.7	1.7	17.1	.10	.42	.05	85	1.03	.063	5.9	42.9	.78	178.6	.238	<1	1.58	.022	.04	<.2	<.02	33	.2	<.02	5.0
TCHD-17774	.23	65.33	1.92	46.2	24	40.9	22.7	818	3.78	3.2	.1	6.7	.8	13.8	.08	.24	.03	152	1.52	.041	3.7	55.6	1.15	39.9	.416	3	3.04	.025	.02	<.2	<.02	27	.7	<.02	9.4
TCHD-17582	.48	50.75	6.26	45.5	36	49.1	17.0	1109	3.36	3.9	.3	6.2	2.2	20.4	.06	.28	.09	112	1.02	.036	7.9	60.8	1.11	556.2	.299	1	2.31	.036	.07	<.2	<.02	30	.4	<.02	6.7
TCHD-17751	.34	42.68	3.34	51.9	94	55.8	25.7	718	4.20	22.0	.2	11.8	1.1	16.9	.16	.59	.05	143	1.02	.038	4.7	74.8	1.21	70.8	.372	<1	3.53	.026	.03	<.2	<.02	43	.6	<.02	8.9
TCHD-17746	.46	31.19	13.51	54.8	26	39.6	14.4	622	2.86	9.1	.3	3.5	3.4	17.9	.19	.87	.30	86	.79	.015	11.8	48.6	.80	276.4	.220	2	1.74	.018	.08	<.2	.03	25	.5	.03	5.6
TCHD-17745	.64	60.09	8.95	81.5	59	48.7	15.4	602	3.54	7.6	.5	3.0	4.3	30.5	.13	.70	.20	102	.85	.062	13.4	83.6	1.02	361.0	.218	1	2.34	.023	.12	<.2	.03	72	.4	.03	7.0
TCHD-17752	.20	48.59	2.14	41.0	14	40.1	21.1	590	3.13	2.4	<.1	.8	.9	13.7	.09	.23	.03	122	1.27	.020	3.7	43.4	1.05	72.5	.410	1	2.90	.045	.02	<.2	<.02	22	.6	<.02	7.1
TCHD-17581	.47	50.55	6.25	45.9	40	49.2	17.4	1081	3.38	4.3	.3	6.9	2.2	22.2	.06	.24	.09	112	1.02	.037	8.1	58.8	1.10	561.5	.291	1	2.31	.026	.08	<.2	<.02	35	.3	.02	6.9
LAMD-17675	.60	73.01	7.18	63.9	11	69.4	23.2	1019	4.04	7.8	.3	3.4	2.9	30.5	.13	.56	.09	122	1.03	.046	10.4	99.6	1.31	509.0	.261	1	2.95	.035	.07	<.2	.02	47	.4	.02	8.2
LAMD-17661	.48	88.75	7.24	65.9	30	53.2	30.3	2551	4.32	8.3	.3	7.5	2.9	20.0	.13	.68	.09	136	.70	.060	11.7	67.3	1.12	502.7	.203	1	2.31	.014	.05	<.2	<.02	35	.5	<.02	7.1
LAMD-17678	.78	87.08	10.12	75.9	123	88.2	24.4	1043	3.76	8.7	.3	13.2	2.5	17.9	.11	.90	.14	80	.33	.032	14.0	151.3	1.50	1864.1	.100	3	2.77	.010	.05	<.2	<.02	84	.4	<.02	6.3
LAMD-17670	.80	86.49	13.77	134.1	124	54.7	41.5	1639	4.38	9.4	.7	3.3	4.1	16.0	.41	.82	.14	116	.66	.063	17.1	55.1	1.18	270.0	.264	1	2.87	.012	.08	<.2	<.02	66	1.0	<.02	8.0
STANDARD DS2	13.88	121.74	31.90	152.9	264	33.9	11.3	782	3.01	54.7	18.6	201.4	3.5	25.9	9.87	9.35	10.34	73	.53	.085	15.3	150.7	.55	133.5	.088	3	1.62	.030	.15	6.9	1.86	250	2.5	1.85	5.9

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

ACME ANALYTICAL

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 FILE # A002057

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
LAMD-17674	.49	27.23	16.77	58.6	64	30.9	15.5	547	3.04	4.4	.8	2.3	4.7	12.9	.18	.39	.15	75	.66	.043	18.2	49.7	.68	149.2	.173	2	1.75	.009	.06	<.2	<.02	40	.5	.03	5.5
LAMD-17676	.72	66.96	9.00	69.0	203	61.2	26.6	1327	3.73	14.7	.3	4.8	2.2	22.6	.14	.78	.11	107	.76	.064	7.9	62.3	1.22	517.2	.263	<1	2.75	.015	.04	<.2	<.02	58	.9	.07	7.2
LAMD-17667	1.01	25.62	9.59	44.8	104	32.4	10.6	388	4.39	4.6	.8	3.2	1.7	19.5	.39	.20	.15	79	.36	.066	13.4	55.5	.50	731.7	.131	4	2.74	.004	.04	<.2	<.02	115	1.2	.04	6.4
LAMD-17664	1.43	72.60	15.33	155.9	334	68.1	19.1	815	2.89	18.9	.9	14.0	5.1	61.3	.39	2.45	.28	26	5.14	.079	12.4	20.9	.43	2378.3	.031	1	.87	.007	.11	<.2	.03	285	.8	.05	2.3
LAMD-17679	.31	65.64	4.67	62.6	85	70.4	26.9	846	4.44	6.9	.3	3.3	1.8	20.3	.20	.44	.07	129	1.06	.039	7.1	86.9	1.30	261.1	.353	1	3.59	.022	.03	<.2	<.02	63	.8	.05	8.9
LAMD-17672	1.14	82.60	5.94	91.2	291	74.3	25.5	933	4.45	5.3	.7	2.9	2.0	29.8	.37	.41	.08	137	1.21	.141	11.3	102.8	1.48	426.2	.263	2	3.52	.029	.05	<.2	<.02	105	1.2	<.02	9.0
LAMD-17663	.73	43.59	19.40	96.4	166	53.0	16.9	419	3.45	7.6	.5	4.8	6.7	11.0	.26	.51	.19	49	.28	.068	28.5	49.7	.87	316.2	.079	1	1.83	.007	.07	<.2	.02	41	.7	.02	5.1
LAMD-17677	.51	47.43	8.19	60.0	46	56.0	22.4	977	4.12	9.2	.3	3.6	2.6	13.4	.17	.64	.10	113	.73	.038	10.2	73.3	1.00	249.3	.269	4	2.85	.015	.06	<.2	<.02	55	.9	.03	7.3
LAMD-17668	1.01	84.03	10.55	88.1	213	61.3	16.8	769	3.42	11.7	.5	12.6	3.7	7.4	.16	.65	.19	92	.38	.059	12.6	66.0	.79	613.3	.137	4	2.72	.008	.04	<.2	.05	89	1.0	.10	6.2
LAMD-17673	2.13	96.37	16.99	137.6	577	37.3	9.0	579	4.45	10.3	1.0	14.3	2.0	8.8	.78	1.56	.25	82	.22	.155	15.1	43.7	.75	332.5	.054	4	2.95	.005	.05	<.2	.12	217	1.4	.10	7.7
LAMD-17665	.50	88.25	16.14	84.8	39	54.0	26.4	1106	4.00	8.7	.5	4.3	6.9	22.3	.13	.86	.19	88	.73	.100	29.9	55.8	1.25	412.6	.190	3	2.18	.039	.08	<.2	<.02	32	.8	.05	6.7
LAMD-17671	.31	30.61	16.73	80.8	24	35.1	14.2	551	3.42	3.9	.8	2.7	6.7	15.7	.34	.49	.17	78	.78	.055	19.0	48.7	.99	250.9	.229	3	2.34	.040	.13	<.2	.02	27	.5	<.02	7.0
LAMD-17666	.97	30.38	8.63	51.1	29	13.1	12.5	472	4.30	2.3	.5	3.0	2.8	46.4	.07	.09	.12	163	.50	.045	11.0	42.1	.51	82.8	.380	2	4.22	.123	.06	<.2	.08	56	.7	.06	10.1
LAMD-17662	.38	83.98	7.26	66.5	17	54.7	27.5	2020	4.41	6.8	.3	4.9	3.1	21.3	.15	.66	.09	129	.82	.062	12.7	69.3	1.19	533.1	.233	5	2.36	.020	.06	<.2	<.02	34	.7	.04	6.7
LAMD-17669	.88	73.70	14.43	73.5	54	55.2	20.4	1265	3.89	7.7	.4	7.3	2.9	22.8	.16	.54	.15	103	.86	.066	13.1	61.7	1.12	986.8	.195	4	2.30	.018	.07	<.2	<.02	47	.8	.05	6.9
LAMD-17680	1.26	36.54	10.12	95.5	244	31.0	12.4	899	4.30	10.2	.4	3.5	1.5	10.2	.30	.97	.16	134	.42	.043	11.5	115.1	.56	416.8	.194	3	2.38	.005	.03	<.2	.03	71	.9	.04	9.3
PPD-17624	1.35	58.22	38.36	127.5	328	64.3	15.8	1904	3.83	11.4	.9	16.9	5.8	29.7	.39	1.86	.19	35	.67	.131	43.0	35.9	.68	607.0	.056	3	1.31	.009	.09	<.2	.03	336	1.0	.07	3.6
PPD-17640	.25	58.86	6.52	58.9	18	53.9	22.5	845	4.45	28.2	.2	10.6	3.3	28.4	.10	.72	.10	131	1.03	.039	10.4	87.9	1.30	161.7	.296	3	2.85	.037	.07	<.2	<.02	48	.3	.03	8.4
PPD-17626	.50	112.65	8.57	72.5	28	54.2	29.7	922	4.75	4.9	.3	2.9	3.6	20.6	.07	.54	.11	125	1.15	.068	11.7	71.8	1.51	650.4	.281	1	2.66	.044	.11	<.2	<.02	42	.4	<.02	8.0
PPD-17634	.34	85.77	4.43	47.6	10	64.5	27.2	1605	4.26	42.3	.2	8.5	2.6	11.2	.05	1.56	.08	134	.85	.044	8.0	85.3	1.43	294.8	.291	3	2.74	.018	.04	<.2	<.02	98	.4	.04	7.9
PPD-17631	.84	45.75	7.71	50.2	224	44.8	17.9	482	3.65	13.5	.3	5.7	2.0	11.3	.20	.97	.11	97	.56	.038	11.1	62.6	.72	241.9	.212	3	2.50	.008	.03	<.2	<.02	73	.8	.03	6.2
PPD-17638	.27	91.80	2.74	60.5	35	53.9	34.4	1206	4.64	276.0	<.1	24.8	.8	32.2	.12	1.37	.04	157	1.12	.034	3.6	77.4	1.60	131.2	.377	5	3.37	.016	.03	<.2	<.02	32	.3	<.02	9.7
RE PPD-17638	.27	94.57	2.66	62.3	37	54.9	35.3	1248	4.77	284.8	<.1	22.3	.8	32.4	.11	1.33	.03	162	1.16	.033	3.7	81.3	1.64	136.0	.388	4	3.45	.017	.03	.3	<.02	31	.5	<.02	10.0
PPD-17635	.60	120.70	5.13	53.5	41	66.6	33.6	1332	4.77	173.1	.1	40.9	1.7	14.0	.10	3.03	.08	148	.92	.041	8.1	90.8	1.59	150.2	.292	3	2.64	.019	.04	.3	<.02	67	.5	.03	8.2
PPD-17627	.42	51.70	4.61	55.7	74	43.1	23.9	544	4.05	6.3	.2	4.0	1.9	18.6	.15	.63	.06	122	.94	.082	6.0	61.6	.98	136.0	.325	2	2.87	.014	.03	<.2	<.02	43	.4	<.02	7.5
PPD-17632	.28	98.85	3.76	59.9	27	59.9	30.1	1172	5.31	65.4	.1	19.8	2.2	131.5	.14	1.08	.05	174	1.13	.047	7.4	116.2	1.92	261.1	.315	4	3.31	.021	.05	<.2	<.02	78	.4	.03	9.2
PPD-17625	.85	38.06	17.27	80.0	277	49.5	13.7	561	3.03	8.6	.8	9.0	5.5	21.4	.40	.96	.17	38	.40	.081	29.2	37.5	.51	305.3	.062	1	1.44	.008	.09	<.2	.02	131	.6	.06	3.6
PPD-17628	.27	22.73	7.67	38.6	14	27.9	9.9	434	2.55	2.7	.6	3.1	4.4	15.8	.09	.29	.09	77	.91	.044	15.1	41.6	.76	244.7	.245	2	1.68	.050	.09	<.2	<.02	21	.1	<.02	5.7
PPD-17636	.29	104.55	3.49	63.9	39	78.7	36.0	1586	5.30	223.2	.2	63.8	1.8	19.9	.15	3.43	.05	140	.86	.055	8.6	105.3	1.43	176.1	.226	1	2.69	.021	.06	.2	<.02	124	.5	.04	7.6
PPD-17621	.85	223.01	23.22	78.2	36	378.2	41.9	933	4.47	14.7	.6	6.1	7.2	118.1	.11	1.32	.30	39	4.16	.125	28.0	60.5	.77	101.5	.074	<1	1.30	.016	.12	<.2	.02	187	.3	.09	4.2
PPD-17630	.20	18.20	17.45	48.7	11	34.3	13.7	505	3.10	3.8	.5	1.7	7.0	7.6	.08	.29	.14	53	.42	.047	20.5	39.4	.89	131.2	.128	4	1.88	.031	.13	<.2	.03	16	.2	.02	6.4
PPD-17639	.21	71.77	4.92	55.7	18	61.5	25.3	939	4.68	33.0	.2	9.3	2.5	22.8	.12	.78	.07	147	.99	.035	8.1	94.3	1.49	209.9	.351	2	3.23	.024	.07	<.2	<.02	35	.4	.03	9.1
PPD-17622	.72	250.86	22.20	79.2	84	1087.2	53.6	924	4.51	11.7	.6	6.9	7.6	114.5	.13	1.14	.29	44	3.45	.122	28.5	69.7	.88	105.2	.078	1	1.47	.012	.10	<.2	.03	170	.3	.07	4.7
STANDARD DS2	14.25	122.37	32.62	160.6	262	34.4	11.7	799	3.25	58.8	19.1	215.2	3.5	26.9	10.11	9.74	10.59	73	.55	.090	15.4	151.6	.57	135.2	.089	3	1.67	.033	.16	7.3	1.82	257	2.6	2.05	5.9

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data N 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
PPD-17629	.48	34.05	34.42	89.2	28	33.6	15.8	538	3.84	5.7	.8	2.5	9.8	13.8	.11	.46	.30	46	.38	.076	30.1	38.7	1.08	189.5	.065	2	2.21	.018	.15	<.2	.09	22	.4	.03	7.4
PPD-17637	.40	70.81	4.77	42.2	35	42.0	19.2	652	3.17	8.3	.2	5.2	1.9	11.8	.13	.40	.09	116	.95	.043	5.4	49.8	.89	75.9	.344	3	2.58	.015	.03	<.2	<.02	32	.5	.04	7.0
PPD-17623	1.55	115.28	52.22	151.8	926	104.4	30.5	2229	4.83	21.5	1.4	24.7	9.1	50.3	.59	1.78	.35	38	.95	.117	60.7	57.9	.71	1021.0	.040	2	1.96	.008	.11	<.2	.04	489	1.1	.10	4.3
PPD-17633	1.01	32.13	8.67	51.0	49	12.6	12.6	478	4.29	2.5	.5	3.2	2.9	49.1	.09	.09	.14	163	.51	.042	10.9	38.2	.52	86.1	.375	2	4.14	.133	.07	<.2	.09	31	.5	.04	10.7
GSMD-17705	1.54	74.92	17.22	115.7	139	146.0	41.4	899	5.35	53.7	.8	10.9	6.1	19.5	.28	1.62	.23	46	.28	.125	33.9	83.5	.63	197.8	.029	4	2.08	.007	.06	<.2	.03	117	.9	.10	4.7
GSMD-17711	.63	66.54	19.56	96.5	87	79.3	30.8	1105	4.82	12.8	.7	6.0	7.7	38.1	.18	1.12	.23	86	.87	.076	23.6	81.3	1.38	288.4	.187	3	2.56	.014	.16	<.2	.04	52	.6	.05	7.8
GSMD-17717	.62	34.06	9.45	136.7	167	30.4	7.8	342	3.05	6.4	.5	11.5	5.0	7.0	.18	.47	.26	45	.11	.065	28.1	39.1	.58	1141.6	.015	2	1.78	.002	.10	<.2	.08	54	.3	.07	7.2
GSMD-17701	.60	56.82	16.80	86.4	113	44.7	19.7	714	3.48	7.8	.5	4.0	6.5	32.8	.26	.61	.23	58	.85	.083	19.3	41.2	.84	165.2	.128	4	1.50	.018	.10	<.2	.07	54	.5	.08	5.2
GSMD-17718	.43	68.04	10.13	73.7	65	52.5	22.1	882	4.00	4.9	.4	4.1	3.9	22.0	.16	.46	.14	112	1.10	.076	13.0	68.4	1.15	262.6	.264	4	2.34	.023	.10	<.2	<.02	45	.4	.06	7.0
GSMD-17713	.28	78.17	5.79	67.4	20	56.3	26.6	1128	4.39	11.1	.3	6.0	2.9	29.4	.14	.69	.09	126	.96	.050	10.1	67.3	1.25	283.1	.262	2	2.58	.024	.08	<.2	<.02	37	.3	.05	7.9
GSMD-17709	.74	140.51	10.31	103.7	54	102.4	32.5	1128	5.22	17.1	.4	2.7	3.6	22.4	.26	1.05	.13	144	1.08	.074	12.0	104.7	1.74	404.0	.334	2	2.87	.025	.10	<.2	<.02	53	.6	.07	9.2
GSMD-17716	.23	73.41	1.30	52.0	69	80.8	29.6	733	4.46	3.3	.1	3.2	.8	76.5	.08	.22	.03	99	2.39	.058	3.3	77.2	1.74	142.1	.218	1	5.35	.017	.08	<.2	<.02	40	.9	.03	10.0
GSMD-17714	.28	63.67	7.62	58.8	27	74.6	22.0	908	4.15	9.0	.3	4.2	3.5	21.2	.10	.56	.11	116	.79	.043	10.1	93.4	1.33	301.4	.235	4	2.60	.027	.08	<.2	<.02	39	.6	.03	7.7
GSMD-17703	.79	47.76	14.76	84.1	195	40.8	16.1	1072	3.16	7.1	.6	5.1	6.1	30.5	.18	.83	.16	42	.59	.089	23.4	30.9	.68	181.7	.098	1	1.19	.011	.08	<.2	<.02	88	.7	.04	3.9
GSMD-17707	.78	37.03	7.69	50.0	67	35.2	13.5	529	2.66	5.2	.7	4.5	4.2	17.1	.15	.46	.09	63	.68	.088	17.2	40.4	.59	205.4	.166	3	1.34	.010	.04	<.2	<.02	59	.7	.04	4.2
GSMD-17702	.49	49.93	16.03	82.0	97	44.1	17.2	689	3.44	7.7	.9	3.7	6.6	30.4	.25	.50	.24	58	.78	.078	19.6	41.5	.83	162.5	.131	4	1.50	.021	.11	<.2	.06	42	.3	.05	5.1
GSMD-17710	.64	59.99	34.71	83.5	32	60.3	35.8	789	4.19	21.4	.6	2.6	8.9	20.1	.14	.82	.29	62	.52	.062	33.5	58.2	.92	170.0	.122	4	2.07	.011	.11	<.2	.04	40	.4	.04	6.1
GSMD-17715	.11	68.11	3.35	66.8	27	62.8	28.9	1004	5.22	3.5	.1	2.1	1.5	37.3	.14	.29	.05	167	1.77	.049	5.8	98.8	1.76	130.9	.426	2	3.35	.034	.05	<.2	<.02	36	.4	.02	10.2
GSMD-17720	.32	82.92	6.46	54.0	54	51.7	24.5	725	3.59	6.7	.3	2.3	2.9	23.3	.14	.50	.09	98	.88	.066	10.3	57.7	.95	157.9	.236	3	2.41	.019	.04	<.2	<.02	45	.7	.04	6.4
RE GSMD-17720	.39	82.30	6.25	53.1	71	51.4	24.6	722	3.56	6.6	.3	2.1	2.8	22.8	.10	.52	.09	97	.84	.065	9.5	56.9	.93	157.2	.229	2	2.39	.011	.04	<.2	<.02	46	.6	.06	6.2
GSMD-17708	.26	47.18	9.13	61.5	50	51.3	20.3	768	3.56	5.6	.4	2.4	3.8	14.8	.19	.50	.12	107	.82	.051	13.2	73.8	1.11	160.5	.274	3	2.26	.027	.08	<.2	<.02	25	.4	.03	6.8
GSMD-17712	.16	59.58	4.18	48.7	7	59.9	19.1	635	3.65	9.1	.2	3.9	2.5	21.8	.08	.44	.07	114	1.04	.038	8.3	72.3	1.33	223.8	.249	2	2.29	.024	.06	<.2	<.02	32	.4	.04	7.3
GSMD-17704	2.06	53.57	15.76	100.2	50	118.4	31.9	870	4.95	15.8	.7	2.5	6.0	17.8	.22	1.07	.19	51	.25	.107	31.4	87.3	.77	152.1	.032	5	2.10	.008	.08	<.2	.04	126	.8	.06	5.3
GSMD-17719	.45	76.85	17.89	87.8	30	52.2	19.1	872	4.11	7.6	.5	6.0	5.9	22.0	.16	.66	.18	93	.79	.071	18.9	64.6	1.04	354.8	.209	5	2.27	.030	.11	<.2	.03	77	.5	.03	7.2
GSMD-17706	.90	27.57	10.21	65.2	92	51.8	14.1	585	2.42	8.1	.6	2.3	3.2	106.1	.30	.67	.08	34	9.60	.117	16.0	38.1	.46	148.0	.064	1	.95	.007	.04	<.2	.05	47	.6	.05	2.9
SJCD-10403	12.24	264.35	14.25	584.3	837	93.6	38.0	1018	6.88	33.3	.6	5.1	2.5	184.4	5.39	6.74	.26	63	2.67	.194	11.8	36.4	.89	811.4	.018	4	1.40	.014	.12	<.2	.44	348	8.5	.13	3.9
SJCD-10406	6.19	186.79	15.02	445.3	183	127.1	34.5	1073	6.46	38.1	.6	4.3	1.8	122.3	3.13	3.30	.62	191	.78	.112	7.6	157.0	2.12	132.8	.180	3	2.92	.055	.20	.6	.71	42	2.3	.15	8.9
SJCD-10404	14.99	166.49	11.60	522.1	572	78.3	31.5	916	5.41	29.6	.6	9.4	2.2	301.6	4.48	7.35	.19	60	5.97	.192	10.8	20.9	.36	1145.1	.013	3	.73	.008	.11	<.2	.60	268	5.2	.20	2.1
SJCD-10401	35.77	348.61	21.44	1675.6	1857	162.1	29.0	835	8.09	90.4	.7	10.5	2.1	63.1	19.01	19.30	.24	39	.74	.163	9.4	25.1	.21	150.7	.004	1	.76	.006	.13	<.2	2.10	235	12.3	.16	1.6
SJCD-10405	39.19	616.09	26.15	1032.6	206	308.4	67.1	2280	10.90	37.0	1.6	7.7	2.4	58.2	9.25	11.52	.31	91	.41	.180	27.4	99.6	1.07	124.5	.054	1	2.17	.014	.13	.4	.42	160	6.9	.26	4.0
SJCD-10402	37.21	387.18	23.62	1669.6	1733	173.6	31.5	810	8.88	121.5	.8	14.3	2.8	66.4	20.36	22.88	.26	42	.90	.149	11.6	21.5	.22	157.2	.004	4	.74	.006	.12	<.2	2.24	238	13.3	.14	1.6
STANDARD DS2	13.75	122.45	31.06	151.7	254	33.2	11.2	770	3.10	54.7	18.2	194.3	3.5	26.4	9.93	9.38	10.16	72	.53	.084	14.8	142.4	.55	134.6	.085	5	1.58	.030	.15	6.8	1.85	221	2.6	1.84	6.0

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002057 Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
TCHD-17767	.34	<.1	.33	.30	1.9	7.3	.6	.02	<.05	13.0	10.53	16.0	.03	2	.4	8.2	30.0
TCHD-17760	.99	.1	.23	.55	2.2	10.8	.7	.01	<.05	11.4	13.96	22.8	.04	<1	.5	14.6	30.0
TCHD-17754	.99	<.1	.20	.30	3.9	19.3	.5	.01	<.05	8.5	23.13	18.8	.04	<1	.4	14.3	30.0
TCHD-17596	.95	<.1	.24	.28	5.4	12.0	.5	<.01	<.05	11.6	14.06	27.0	.03	<1	.5	14.4	30.0
TCHD-17765	.37	.1	.39	.60	1.5	6.8	.7	<.01	<.05	17.4	11.56	12.3	.02	<1	.4	6.5	30.0
TCHD-17771	.31	<.1	.18	.42	4.1	6.5	.5	<.01	<.05	8.1	8.46	24.5	.02	<1	.2	9.8	30.0
TCHD-17776	.48	<.1	.27	.40	3.7	7.5	.5	.01	<.05	12.6	10.16	23.0	.02	<1	.2	16.8	30.0
TCHD-17741	.59	<.1	.34	.26	4.4	11.6	.5	<.01	<.05	14.5	15.03	25.7	.03	<1	.5	14.0	30.0
TCHD-17772	.32	<.1	.18	.52	1.9	5.1	.4	.02	<.05	10.5	10.16	14.9	<.02	<1	.3	9.8	30.0
TCHD-17748	.41	<.1	.29	.15	2.6	6.4	.4	<.01	<.05	9.9	11.11	21.9	<.02	<1	.2	10.4	30.0
TCHD-17586	.72	.1	.23	.19	4.4	8.9	.5	<.01	<.05	9.3	11.60	22.1	.02	<1	.4	12.0	30.0
TCHD-17588	.82	<.1	.18	.34	4.3	7.5	.5	<.01	<.05	7.2	9.47	24.5	<.02	<1	.3	15.9	30.0
TCHD-17761	.40	<.1	.32	.41	2.0	6.4	.6	<.01	<.05	14.6	12.23	19.6	.02	<1	.5	8.4	30.0
TCHD-17755	.67	<.1	.14	.43	4.4	9.2	.5	.01	<.05	7.2	15.03	28.4	.02	<1	.3	15.7	30.0
TCHD-17592	.50	.1	.18	.16	2.9	6.2	.4	<.01	<.05	7.3	7.56	18.4	<.02	<1	.2	10.4	30.0
TCHD-17595	.63	<.1	.18	.22	4.5	8.8	.5	<.01	<.05	9.0	10.17	20.4	<.02	<1	.3	13.1	30.0
TCHD-17773	.35	<.1	.24	.38	1.7	5.0	.4	<.01	<.05	11.3	9.60	18.9	<.02	<1	.1	11.8	30.0
TCHD-17599	8.67	<.1	.13	1.92	33.1	3.7	6.8	.06	<.05	5.0	7.93	49.0	.34	2	.8	22.8	7.5
TCHD-17778	.54	<.1	.41	.42	1.9	9.0	.8	.03	<.05	24.0	13.59	17.4	.02	<1	.4	11.4	30.0
TCHD-17762	.46	<.1	.30	.50	2.7	6.7	.7	.02	<.05	13.6	12.77	22.9	.02	<1	.5	8.9	30.0
RE TCHD-17762	.47	<.1	.27	.53	2.6	6.4	.7	.02	<.05	13.2	12.35	22.0	.02	<1	.5	8.5	30.0
TCHD-17769	.35	<.1	.26	.30	1.7	6.0	.6	<.01	<.05	11.0	10.90	18.2	.02	<1	.3	7.8	30.0
TCHD-17777	.75	<.1	.29	.50	4.8	7.1	.6	.02	<.05	14.6	8.95	21.0	.02	<1	.4	14.9	30.0
TCHD-17591	.77	.1	.16	.08	3.2	5.6	.3	<.01	<.05	6.1	7.82	13.6	<.02	<1	.2	8.5	30.0
TCHD-17587	1.66	<.1	.27	.44	3.6	16.2	.7	.01	<.05	14.5	19.03	29.5	.04	<1	.4	22.8	30.0
TCHD-17747	.58	<.1	.09	.51	3.0	4.7	.5	.02	<.05	5.2	9.98	25.8	.03	<1	.3	15.2	30.0
TCHD-17742	.63	<.1	.25	.30	4.4	9.5	.6	.01	<.05	12.2	13.44	27.3	.04	<1	.4	12.6	30.0
TCHD-17779	.73	<.1	.08	.71	6.2	3.8	.4	.02	<.05	4.6	5.86	29.5	.02	<1	.2	14.2	30.0
TCHD-17597	.73	<.1	.14	.81	3.8	6.2	.6	.03	<.05	6.2	10.73	27.3	.03	<1	.4	15.2	30.0
TCHD-17757	.77	<.1	.23	.21	6.9	9.7	.6	.02	<.05	12.1	16.96	46.0	.04	<1	.5	13.1	30.0
TCHD-17589	.74	.1	.18	.36	3.0	8.4	.4	.02	<.05	7.9	9.43	20.4	.02	<1	.4	12.3	30.0
TCHD-17768	.55	<.1	.22	.77	3.4	5.7	.6	.02	<.05	10.8	11.18	18.6	.03	<1	.4	8.0	30.0
TCHD-17594	1.78	<.1	.26	.34	4.9	9.4	.5	.02	<.05	9.8	13.07	22.0	.04	<1	.3	20.8	30.0
STANDARD DS2	3.18	<.1	.05	1.34	13.3	3.2	25.6	.03	<.05	2.5	7.58	31.1	5.33	2	.7	14.0	30.0

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: -230 TILL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 23 2000 DATE REPORT MAILED: July 14/00 SIGNED BY. C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
TCHD-17770	.41	.1	.26	.59	2.5	5.4	.4	.03	<.05	6.1	9.59	18.5	.02	<1	.3	10.5	30
TCHD-17763	.47	<.1	.16	1.05	3.3	5.3	.6	<.01	<.05	8.6	9.35	18.8	.02	1	.4	12.8	30
TCHD-17598	.76	<.1	.12	.67	9.7	9.9	.4	<.01	<.05	5.0	10.50	36.0	<.02	<1	.4	24.7	30
TCHD-17756	.69	.1	.26	.27	5.3	11.4	.5	.01	<.05	10.2	14.22	29.0	.02	5	.3	15.4	30
TCHD-17585	1.70	.1	.25	1.43	3.5	15.4	.3	.01	<.05	11.4	19.29	21.7	.04	<1	.3	20.6	30
TCHD-17593	.93	.1	.25	.36	7.3	13.9	.6	<.01	<.05	10.7	14.16	23.7	.02	3	.4	17.6	30
TCHD-17590	.65	<.1	.16	.21	2.9	7.4	.4	<.01	<.05	6.3	8.11	15.7	.02	<1	.1	9.8	30
TCHD-17780	.50	.1	.34	.24	3.1	9.2	.6	<.01	<.05	15.2	11.66	18.8	.04	3	.2	14.5	30
TCHD-17743	.62	<.1	.20	.61	2.5	6.7	.7	<.01	<.05	10.3	11.89	17.0	.05	4	.6	10.9	30
TCHD-17583	.69	<.1	.22	.21	5.3	6.9	.5	<.01	<.05	8.9	9.37	24.4	.02	<1	.4	18.9	30
TCHD-17600	.69	<.1	.25	.51	5.6	10.0	.6	<.01	<.05	11.2	10.61	27.2	.04	<1	.5	14.6	30
TCHD-17584	.68	<.1	.07	.28	2.7	5.1	.4	<.01	<.05	3.8	10.49	29.8	.02	<1	.1	12.5	30
TCHD-17758	.94	<.1	.23	.28	5.0	14.1	.7	<.01	<.05	10.8	11.71	18.2	.04	<1	.5	21.3	30
TCHD-17764	.66	<.1	.18	.65	2.2	5.8	.6	<.01	<.05	8.2	10.86	20.2	.05	<1	.2	10.1	30
TCHD-17766	1.18	<.1	.70	.44	4.5	9.2	1.5	<.01	<.05	37.5	13.99	27.3	.06	<1	.5	9.9	30
TCHD-17759	.56	<.1	.35	.43	2.0	6.4	.7	<.01	<.05	13.4	10.66	16.4	.02	<1	.4	9.9	30
TCHD-17750	.73	<.1	.28	.23	6.0	8.1	.7	<.01	<.05	14.3	11.42	24.9	.03	2	.3	18.1	30
TCHD-17775	1.49	<.1	.31	.57	1.7	8.5	.8	<.01	<.05	16.2	14.56	17.9	.04	<1	.3	18.8	30
TCHD-17753	.39	<.1	.18	.33	1.8	8.7	.6	.01	<.05	9.8	12.83	16.1	.02	<1	.2	12.6	30
TCHD-17749	.50	<.1	.20	.46	4.5	9.9	.5	.01	<.05	9.8	9.00	22.7	.03	<1	.2	14.1	30
TCHD-17744	.31	<.1	.28	.11	1.5	8.4	.7	<.01	<.05	11.5	13.42	12.8	.02	<1	.2	9.2	30
RE TCHD-17744	.30	<.1	.29	.12	1.7	7.8	.5	<.01	<.05	14.4	13.21	12.2	.02	<1	.3	8.7	30
TCHD-17774	.64	<.1	.40	.60	1.1	7.9	.7	.02	<.05	20.6	13.88	13.4	.04	2	.3	10.1	30
TCHD-17582	.53	<.1	.18	.69	4.7	10.1	.6	<.01	<.05	8.8	11.15	17.2	.02	<1	.4	11.7	30
TCHD-17751	.70	<.1	.25	.86	1.9	7.8	.6	.02	<.05	14.9	11.75	11.6	.04	<1	.2	12.0	30
TCHD-17746	.60	.1	.24	.51	5.2	6.4	.7	.02	<.05	8.9	7.22	28.3	.03	2	.3	14.0	30
TCHD-17745	.94	<.1	.31	.23	6.0	11.8	.5	<.01	<.05	13.2	13.65	25.4	.03	5	.5	17.1	30
TCHD-17752	.43	.1	.52	.69	1.3	6.0	.7	<.01	<.05	22.6	9.72	10.7	.02	1	.4	9.1	30
TCHD-17581	.55	.1	.21	.62	4.9	9.6	.5	<.01	<.05	8.9	11.52	18.1	.02	<1	.3	12.7	30
LAMD-17675	.83	.1	.35	.29	4.8	12.8	.6	<.01	<.05	15.6	14.15	25.6	.03	2	.4	18.3	30
LAMD-17661	1.80	<.1	.25	.23	4.2	16.6	.6	<.01	<.05	9.3	21.35	28.3	.04	<1	.4	17.7	30
LAMD-17678	1.18	<.1	.03	.86	7.4	5.6	.6	<.01	<.05	2.5	8.56	38.0	.03	<1	.3	23.6	30
LAMD-17670	4.14	<.1	.13	1.72	4.9	6.4	.9	<.01	<.05	7.3	17.77	39.1	.04	<1	.5	23.4	30
STANDARD DS2	3.13	<.1	.03	1.25	12.9	2.8	25.6	.02	<.05	2.5	7.50	28.8	4.94	4	.5	13.6	30

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
LAMD-17674	.76	<.1	.05	.58	5.4	4.6	.4	.03	.08	4.3	12.13	42.5	.03	<1	.4	19.5	30
LAMD-17676	.89	<.1	.14	.64	2.3	6.0	.6	.02	<.05	7.3	9.38	20.3	.04	1	.2	15.3	30
LAMD-17667	2.43	<.1	.04	2.95	8.0	4.1	.8	.05	<.05	2.5	18.14	51.8	.03	1	1.3	17.7	30
LAMD-17664	2.26	<.1	.24	.28	4.4	8.5	.3	.04	<.05	13.9	18.35	22.2	.03	2	.2	8.4	30
LAMD-17679	.77	.1	.20	.77	2.3	8.5	.8	.05	<.05	12.1	15.12	17.7	.03	<1	.6	14.6	30
LAMD-17672	1.25	<.1	.11	.52	4.5	9.5	.7	<.01	<.05	6.7	19.55	24.4	.04	<1	.8	15.0	30
LAMD-17663	.86	<.1	.06	.57	6.2	3.4	.4	<.01	<.05	3.1	6.02	57.4	.02	<1	.4	22.6	30
LAMD-17677	.94	<.1	.14	.75	4.4	6.8	.6	<.01	<.05	7.9	10.88	23.8	.04	2	.3	18.8	30
LAMD-17668	1.89	<.1	.07	1.24	9.8	4.6	.6	.03	<.05	4.0	6.75	27.1	.06	1	.9	17.7	30
LAMD-17673	1.60	<.1	<.02	1.01	14.2	2.6	.9	.04	<.05	1.0	4.87	29.4	.05	<1	.5	41.7	30
LAMD-17665	.55	<.1	.22	.54	4.1	8.2	.5	<.01	<.05	9.5	17.64	52.6	.03	<1	.6	26.4	30
LAMD-17671	.59	<.1	.33	.50	6.7	8.7	.9	.01	<.05	12.2	13.88	40.4	.03	<1	.4	20.0	30
LAMD-17666	1.24	.1	.61	.41	4.3	9.4	1.2	.01	<.05	37.0	14.52	29.0	.05	<1	.6	10.9	30
LAMD-17662	1.81	.1	.23	.16	3.3	16.7	.6	<.01	<.05	10.7	20.55	27.5	.04	3	.5	17.6	30
LAMD-17669	.95	<.1	.08	.61	4.0	7.0	.5	<.01	<.05	5.1	13.50	31.1	.03	2	.7	15.5	30
LAMD-17680	.81	<.1	.03	1.48	6.7	4.7	.9	<.01	<.05	2.1	8.03	21.9	.04	<1	.2	18.7	30
PPD-17624	1.10	<.1	.08	.39	4.7	8.3	.3	<.01	<.05	7.8	50.97	54.4	.06	<1	.2	16.0	30
PPD-17640	1.31	<.1	.44	.17	4.6	14.0	.8	.01	<.05	22.9	17.98	21.4	.05	<1	.5	28.9	30
PPD-17626	1.00	.1	.28	.33	5.3	11.1	.4	<.01	<.05	10.2	13.40	25.6	.02	<1	.4	20.0	30
PPD-17634	1.82	<.1	.33	.29	2.7	10.4	.6	.01	<.05	13.1	13.50	31.5	.04	<1	.4	24.1	30
PPD-17631	.89	<.1	.12	.90	4.0	4.9	.6	.02	<.05	6.2	11.80	33.0	.04	2	.5	14.0	30
PPD-17638	2.19	.1	.42	.35	2.7	10.5	.9	<.01	<.05	17.2	14.32	13.9	.04	<1	.6	33.8	30
RE PPD-17638	2.22	.1	.43	.40	3.1	10.5	.9	<.01	<.05	16.9	14.35	13.9	.04	<1	.4	32.4	30
PPD-17635	1.65	<.1	.37	.22	2.6	17.6	.8	<.01	<.05	13.7	18.51	24.5	.04	<1	.5	39.0	30
PPD-17627	1.03	<.1	.26	.82	5.1	6.1	.8	<.01	<.05	9.7	10.16	14.3	.03	3	.5	16.0	30
PPD-17632	2.63	.1	.55	.16	3.2	17.2	.6	<.01	<.05	19.8	21.23	17.3	.04	<1	.3	40.6	30
PPD-17625	.71	<.1	.10	.48	6.3	3.3	.3	<.01	<.05	2.4	14.46	58.7	.02	<1	.4	15.9	30
PPD-17628	.41	<.1	.33	.46	5.2	9.3	.6	<.01	<.05	11.3	13.32	29.3	.02	<1	.3	13.0	30
PPD-17636	2.05	<.1	.25	.19	4.5	19.1	.6	<.01	<.05	12.8	17.80	22.4	.05	<1	.7	25.8	30
PPD-17621	.72	.1	.20	.88	4.5	6.8	.3	<.01	.06	18.2	13.39	52.4	.02	<1	.5	20.8	30
PPD-17630	.48	<.1	.19	.51	7.4	4.7	.5	<.01	<.05	6.6	8.14	46.9	.02	1	.5	20.8	30
PPD-17639	1.40	<.1	.48	.31	4.0	13.0	.8	<.01	<.05	19.6	12.74	19.1	.04	<1	.5	30.0	30
PPD-17622	.78	<.1	.19	.82	4.5	7.2	.3	<.01	<.05	10.8	13.65	54.6	.02	<1	.4	23.0	30
STANDARD DS2	3.28	<.1	.04	1.47	12.5	3.2	25.6	.02	<.05	2.5	7.62	29.5	4.96	2	.4	15.3	30

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data M FA ___

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
PPD-17629	1.10	<.1	.10	.57	9.3	5.2	.5	<.01	<.05	4.5	12.81	85.9	.02	<1	.4	35.6	30
PPD-17637	.85	<.1	.23	.99	1.8	5.7	.6	.03	<.05	11.7	9.76	17.1	.03	<1	.4	13.8	30
PPD-17623	1.26	<.1	.07	2.86	7.6	14.2	.4	<.01	<.05	3.6	74.74	95.4	.05	<1	.7	16.7	30
PPD-17633	1.24	.1	.58	.46	5.1	9.6	1.1	.01	<.05	35.0	15.35	28.8	.06	<1	.8	11.4	30
GSMD-17705	.93	<.1	.03	.75	5.3	4.8	.3	.03	<.05	3.0	11.35	75.8	.05	<1	.6	32.9	30
GSMD-17711	1.33	.1	.31	.63	10.3	9.8	.6	<.01	<.05	13.3	14.99	44.7	.03	4	.6	29.5	30
GSMD-17717	1.32	<.1	.02	.39	13.8	2.9	.7	<.01	<.05	.9	3.45	55.1	.02	<1	.5	28.0	30
GSMD-17701	.68	.1	.26	.18	5.3	6.2	.4	<.01	<.05	9.7	10.29	37.3	.02	<1	.6	19.3	30
GSMD-17718	.66	<.1	.27	.38	5.5	9.2	.5	<.01	<.05	11.6	14.37	25.7	.02	<1	.6	13.3	30
GSMD-17713	1.19	<.1	.23	.20	3.9	12.7	.5	<.01	<.05	10.5	16.45	22.1	.03	<1	.5	21.8	30
GSMD-17709	1.10	.1	.24	.40	5.6	12.6	.7	<.01	<.05	9.7	16.93	22.7	.02	4	.4	24.2	30
GSMD-17716	3.90	<.1	.15	.27	2.5	7.1	.4	<.01	<.05	5.7	11.97	11.2	.03	<1	.3	16.2	30
GSMD-17714	.96	<.1	.25	.33	4.8	11.4	.6	<.01	<.05	10.3	12.48	23.6	.03	<1	.4	21.4	30
GSMD-17703	.62	<.1	.14	.81	3.7	5.4	.4	<.01	<.05	7.1	17.02	42.4	<.02	<1	.3	17.4	30
GSMD-17707	.39	<.1	.13	.69	3.7	5.4	.3	<.01	<.05	6.1	13.81	30.0	<.02	2	.2	10.7	30
GSMD-17702	.70	<.1	.26	.24	5.7	6.0	.5	<.01	<.05	10.1	10.17	38.7	<.02	<1	.3	18.1	30
GSMD-17710	1.16	<.1	.12	.42	9.4	5.5	.6	<.01	<.05	7.2	8.74	71.0	.02	1	.6	23.4	30
GSMD-17715	.85	.1	.39	.07	2.9	13.1	.7	<.01	<.05	19.0	17.67	12.7	.03	<1	.3	14.8	30
GSMD-17720	.74	<.1	.12	.57	3.0	6.2	.6	.01	<.05	7.8	14.38	29.0	<.02	<1	.6	14.3	30
RE GSMD-17720	.70	<.1	.13	.57	3.0	6.0	.5	<.01	<.05	5.8	13.80	27.4	.02	<1	.5	14.4	30
GSMD-17708	.62	<.1	.18	.54	5.0	7.9	.6	<.01	<.05	7.4	11.69	27.7	<.02	2	.4	18.1	30
GSMD-17712	1.01	.1	.29	.23	3.5	10.6	.6	<.01	<.05	12.6	13.71	17.8	<.02	<1	.6	20.2	30
GSMD-17704	1.12	<.1	.05	.72	6.7	4.5	.5	<.01	<.05	2.3	8.10	68.6	.02	<1	.6	33.4	30
GSMD-17719	.65	<.1	.31	.33	6.3	10.3	.6	<.01	<.05	12.8	15.38	35.1	<.02	<1	.4	20.0	30
GSMD-17706	.59	<.1	.05	.76	3.1	3.0	.4	<.01	<.05	3.1	11.47	27.0	<.02	1	.2	10.8	30
SJCD-10403	.61	.1	.06	.18	4.2	6.8	.2	.01	<.05	3.2	13.68	19.6	.03	2	.4	20.0	30
SJCD-10406	2.43	.1	.07	.24	15.6	10.4	.4	<.01	<.05	4.0	11.54	14.5	.03	<1	.5	21.9	30
SJCD-10404	1.15	<.1	.06	.15	4.0	6.6	.3	.01	<.05	3.7	13.98	20.2	.03	<1	.4	6.7	30
SJCD-10401	.71	<.1	.14	.06	5.1	9.8	.2	<.01	<.05	7.3	13.94	15.0	.07	2	.4	2.9	30
SJCD-10405	.97	<.1	.08	.21	7.4	9.9	.4	<.01	<.05	4.0	28.20	65.3	.04	<1	.7	12.8	30
SJCD-10402	.70	.1	.11	.05	4.8	10.2	.2	<.01	<.05	9.1	14.40	18.3	.07	8	.4	2.8	30
STANDARD DS2	3.07	<.1	.04	1.31	12.7	2.9	25.4	.03	<.05	2.5	7.79	29.2	5.00	<1	.5	14.1	30

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002201 Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
GSMD-17887	.36	32.83	3.62	28.1	37	34.3	14.8	430	2.46	2.8	.3	1.6	1.7	14.0	.10	.30	.06	75	.72	.047	5.5	41.7	.70	124.5	.258	4	2.92	.012	.03	.3	.04	61	.2	.02	5.2
GSMD-17801	.20	27.54	5.18	35.0	13	32.6	12.4	426	2.40	10.1	.3	13.6	2.9	11.5	.10	.30	.08	80	.66	.037	10.0	47.0	.68	142.5	.237	3	1.99	.011	.03	<.2	.03	26	.1	<.02	5.2
GSMD-17820	.21	72.95	5.29	57.3	16	64.8	23.2	896	3.87	9.9	.1	5.3	2.0	17.9	.11	.63	.08	121	1.01	.051	8.7	89.6	1.53	319.4	.286	3	2.48	.012	.03	<.2	.02	31	.1	.02	7.8
GSMD-17808	.17	63.03	3.57	61.3	45	55.3	26.1	1066	4.09	54.0	.1	17.1	1.5	48.5	.14	.93	.07	128	3.15	.053	6.3	73.8	1.94	160.6	.318	5	2.71	.018	.05	<.2	.02	54	.1	<.02	8.7
GSMD-17888	.22	38.25	6.09	49.2	30	37.6	14.2	606	2.62	3.4	.3	1.8	3.8	77.5	.13	.25	.09	63	2.87	.055	10.9	34.6	1.32	153.6	.182	5	1.77	.012	.08	<.2	.04	21	.1	.03	5.2
GSMD-17803	.22	39.35	6.12	53.3	13	44.1	16.7	699	3.23	10.1	.3	3.0	3.6	21.6	.11	.46	.09	101	.87	.050	10.9	72.0	1.03	171.2	.269	3	2.29	.013	.06	<.2	.03	31	<.1	<.02	6.5
GSMD-17724	.81	82.47	5.26	44.4	28	41.8	15.8	744	2.79	4.6	.7	8.5	1.7	23.0	.37	.56	.49	98	1.04	.045	6.2	46.6	1.10	317.0	.311	2	2.09	.014	.04	.4	.09	28	.3	.12	6.2
GSMD-17895	.30	72.60	7.85	51.0	13	40.0	14.5	1005	3.00	4.7	.3	6.9	3.2	17.0	.07	.38	.11	90	.68	.051	11.0	51.1	.87	777.1	.226	4	2.03	.010	.05	<.2	.04	50	.2	.02	5.9
GSMD-17813	.29	38.05	4.56	43.0	21	35.5	14.4	547	2.65	5.0	.3	1.8	2.3	13.9	.11	.40	.08	85	.67	.051	8.3	52.4	.87	155.9	.241	2	2.08	.014	.02	<.2	.03	24	.3	<.02	5.5
GSMD-17721	.62	67.45	10.16	67.2	37	70.5	18.8	825	3.33	5.6	1.1	4.7	3.5	17.5	.16	.50	.16	88	.69	.054	13.7	95.5	1.30	570.4	.202	3	2.28	.010	.07	<.2	.05	54	.1	.03	6.3
GSMD-17737	.48	44.98	7.59	58.7	76	60.9	17.8	966	2.90	7.0	.3	3.9	3.8	48.3	.19	.59	.12	72	1.66	.063	12.0	49.3	1.25	348.5	.157	2	1.80	.012	.07	<.2	.04	42	<.1	.02	5.3
GSMD-17819	.25	103.20	5.45	77.1	24	63.1	38.9	1679	5.40	10.0	.1	1.3	1.3	13.9	.14	.63	.09	165	.72	.054	6.4	128.9	2.55	481.5	.227	<1	3.45	.007	.03	<.2	.02	18	.2	.03	10.7
GSMD-17727	.42	52.38	12.38	80.2	25	46.4	14.6	627	3.49	6.4	.5	4.0	4.4	22.0	.23	.62	.18	102	.89	.059	14.7	86.6	1.04	362.0	.245	2	2.52	.014	.07	<.2	.06	46	.2	.03	7.1
GSMD-17814	.38	51.47	5.41	54.7	12	41.2	15.8	634	3.05	4.6	.3	6.0	3.1	21.9	.09	.47	.09	97	.73	.053	11.2	62.8	.95	134.9	.250	1	2.14	.014	.03	<.2	.04	38	.1	<.02	5.8
GSMD-17897	.24	44.41	4.80	42.6	15	36.9	13.0	632	2.71	2.7	.2	2.6	2.2	21.6	.07	.25	.08	90	.84	.044	8.5	52.4	.82	420.0	.276	4	1.85	.013	.04	<.2	.02	29	<.1	.02	5.4
GSMD-17802	.19	27.19	4.84	32.7	10	32.3	11.8	425	2.38	8.6	.2	2.5	2.6	10.7	.08	.29	.07	77	.62	.037	8.4	46.9	.68	140.7	.222	3	1.94	.011	.03	<.2	.02	29	.1	.02	5.1
GSMD-17898	.37	81.75	8.43	73.4	27	62.0	23.0	1050	3.91	5.4	.3	1.7	2.8	17.9	.14	.36	.12	107	.90	.064	9.5	72.9	1.34	396.0	.272	3	3.07	.018	.07	<.2	.04	12	.2	.03	8.0
RE GSMD-17898	.41	83.97	8.26	73.0	30	60.0	23.0	1039	3.89	5.2	.3	3.1	2.9	18.4	.13	.36	.11	107	.92	.065	9.8	75.8	1.33	399.1	.280	2	3.09	.017	.07	<.2	.04	20	.3	.02	7.9
GSMD-17815	.41	56.06	5.70	64.0	8	49.3	19.5	785	3.43	4.9	.3	2.8	3.4	28.1	.12	.42	.08	106	.97	.056	12.4	62.9	1.19	139.2	.280	3	2.66	.019	.05	<.2	.04	26	.1	<.02	7.2
GSMD-17896	.31	39.96	4.74	44.6	35	42.4	16.4	595	2.99	3.5	.2	2.4	1.8	32.4	.09	.27	.08	101	.73	.037	6.6	58.4	.91	323.1	.285	2	2.39	.009	.03	<.2	.02	36	.2	.02	6.2
GSMD-17733	1.01	31.13	9.83	51.6	49	13.0	12.4	480	3.95	2.8	.6	1.9	2.7	44.5	.08	.09	.15	156	.47	.046	11.6	39.1	.54	85.5	.363	2	4.32	.110	.06	<.2	.12	36	.2	.04	10.3
GSMD-17804	.33	30.74	3.96	43.3	54	36.2	14.2	425	3.09	9.9	.2	3.8	1.8	11.9	.14	.35	.07	103	.66	.043	7.1	63.2	.84	90.1	.288	2	2.39	.010	.03	<.2	.03	50	.2	<.02	6.8
GSMD-17891	.27	60.53	3.59	38.4	21	39.6	17.7	631	2.78	3.0	.2	12.6	1.6	15.8	.08	.25	.06	101	1.01	.046	6.4	44.5	.98	133.0	.338	3	2.50	.015	.03	<.2	.02	33	.2	<.02	6.3
GSMD-17809	.30	30.94	3.71	43.0	18	41.0	16.3	666	2.88	13.4	.2	5.9	1.3	10.0	.11	.70	.06	99	.82	.034	5.2	65.8	.96	124.8	.285	2	2.01	.010	.02	<.2	.02	46	.2	<.02	6.3
GSMD-17728	.26	17.71	14.36	49.0	16	27.3	10.1	333	2.29	3.6	.5	2.9	5.4	10.6	.13	.29	.21	54	.47	.059	19.6	41.3	.65	123.4	.137	1	1.51	.007	.08	<.2	.05	13	<.1	<.02	4.3
GSMD-17739	.31	49.20	6.78	56.8	26	50.0	18.5	688	3.84	15.1	.3	4.5	3.6	22.3	.11	.43	.12	111	.85	.038	10.9	81.6	1.23	156.9	.268	1	2.70	.012	.06	<.2	.05	38	.1	<.02	7.7
GSMD-17734	.23	53.43	3.79	52.6	6	54.8	16.3	568	3.69	2.6	.3	2.7	1.6	27.0	.11	.25	.07	119	1.16	.042	5.8	112.1	1.38	288.2	.348	2	3.31	.018	.03	<.2	.02	28	.2	.03	8.4
GSMD-17889	.19	57.05	4.07	53.8	24	50.1	17.5	729	3.55	3.5	.2	2.1	2.3	25.6	.09	.28	.07	107	1.36	.055	7.3	58.4	1.32	120.5	.304	3	2.67	.024	.06	<.2	.03	29	.1	<.02	7.5
GSMD-17900	.53	67.78	6.15	71.6	28	54.5	18.6	663	3.37	3.2	.5	2.6	2.4	20.0	.18	.21	.10	105	.84	.061	8.8	77.0	1.16	299.9	.279	2	3.10	.013	.03	<.2	.03	24	.3	.03	7.3
GSMD-17805	.19	46.81	4.01	46.9	15	46.1	18.4	738	3.37	12.7	.2	3.2	2.3	20.6	.09	.42	.06	112	1.00	.040	7.0	65.7	1.22	107.7	.312	3	2.84	.017	.04	<.2	.02	22	.3	<.02	7.2
GSMD-17736	.58	53.19	13.09	94.3	125	70.1	21.2	998	3.46	9.0	.5	4.5	5.5	41.1	.38	.82	.18	76	1.35	.070	14.6	56.1	1.29	481.9	.149	3	2.12	.012	.10	<.2	.06	62	.2	.03	5.8
GSMD-17726	.42	55.56	8.61	54.5	55	43.1	14.2	755	2.88	6.6	.3	3.6	3.4	17.6	.13	.61	.12	80	.82	.064	10.9	55.0	.97	556.3	.187	2	1.66	.011	.06	<.2	.03	45	.1	.03	5.0
GSMD-17883	.43	17.78	5.68	46.7	55	34.6	11.4	280	2.76	3.7	.3	3.1	1.9	7.8	.08	.24	.10	68	.35	.041	7.7	44.1	.55	106.0	.155	2	2.02	.006	.02	<.2	.02	34	.2	<.02	4.9
STANDARD DS2	13.53	126.35	32.74	157.1	255	34.9	11.2	805	3.00	57.3	19.5	197.7	3.6	27.3	10.15	9.60	10.76	72	.52	.089	16.2	156.4	.58	147.5	.094	4	1.68	.028	.15	7.2	1.80	245	2.3	1.83	5.9

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: -230 TILL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 5 2000 DATE REPORT MAILED: July 23/00 SIGNED BY: C. Toye

D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data V 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
GSMD-17890	.15	31.81	2.54	29.5	9	49.3	16.7	508	2.77	1.3	.3	1.0	3.4	18.0	.07	.17	.04	97	.96	.012	7.5	52.3	1.19	152.4	.350	3	2.51	.015	.03	<.2	.03	17	.2	<.02	7.1
GSMD-17729	.28	19.26	18.15	56.3	23	28.8	11.9	514	3.03	3.7	.7	1.3	8.3	12.6	.08	.29	.18	49	.41	.059	31.2	39.9	.95	139.2	.110	3	1.85	.005	.14	<.2	.06	14	.2	<.02	5.5
GSMD-17893	.43	55.82	8.24	70.6	73	44.7	17.0	821	3.05	5.5	.3	2.8	3.9	35.8	.19	.50	.13	77	1.25	.057	12.6	42.8	1.23	664.3	.187	4	2.02	.013	.10	<.2	.05	58	.2	<.02	6.0
GSMD-17881	.50	45.10	6.03	59.6	64	42.1	18.8	682	3.39	4.6	.3	1.7	2.1	14.5	.14	.47	.10	101	.66	.043	10.7	62.3	.95	191.9	.245	3	2.48	.012	.03	<.2	.04	44	.4	.02	6.9
GSMD-17806	.17	23.24	5.26	32.7	15	25.9	9.5	449	2.24	3.8	.3	3.3	3.2	13.7	.11	.33	.06	67	.67	.050	10.2	40.3	.59	126.5	.191	2	1.45	.010	.04	<.2	.02	19	.1	<.02	4.3
GSMD-17816	.19	55.35	3.65	43.2	9	38.6	17.2	612	2.84	4.3	.2	1.7	2.1	19.9	.10	.38	.05	104	1.14	.033	7.9	54.8	.95	120.1	.328	3	2.18	.022	.03	<.2	.02	23	.2	<.02	6.5
GSMD-17882	.55	42.77	5.19	58.1	69	40.9	19.3	679	3.50	4.5	.3	1.8	1.8	14.4	.15	.41	.08	103	.66	.048	9.4	65.6	.90	183.8	.249	3	2.63	.012	.03	<.2	.03	45	.3	.02	7.1
GSMD-17892	.42	20.71	5.08	58.3	103	27.8	10.5	541	2.81	3.1	.3	1.3	1.7	11.1	.15	.17	.09	89	.48	.038	9.1	53.9	.52	156.2	.206	4	2.11	.006	.03	<.2	.03	69	.3	<.02	6.2
GSMD-17740	.18	21.90	4.20	26.7	23	28.8	10.9	390	2.10	12.6	.2	1.6	2.3	10.8	.08	.30	.05	72	.66	.041	7.5	44.3	.61	100.9	.227	3	1.70	.009	.03	<.2	.02	35	.2	<.02	4.5
GSMD-17725	.39	71.27	10.62	63.4	29	44.1	16.5	706	2.46	5.4	.3	4.2	3.4	10.6	.12	.56	.18	73	.67	.060	10.3	47.4	.87	507.1	.218	3	1.54	.009	.03	<.2	.04	59	.3	.05	4.5
GSMD-17807	.20	29.52	4.92	40.5	14	30.9	11.3	468	2.49	6.3	.2	3.1	3.0	15.7	.08	.38	.07	74	.78	.050	9.1	44.2	.72	108.2	.223	3	1.58	.011	.04	<.2	.02	30	<.1	.02	4.9
GSMD-17885	.17	105.60	1.04	54.8	56	72.8	40.3	1150	6.35	1.0	<.1	.8	.5	29.4	.07	.18	.03	188	1.40	.046	3.5	88.0	2.73	55.2	.359	1	5.66	.007	.02	<.2	<.02	36	.2	<.02	15.5
GSMD-17722	.59	68.90	9.34	64.9	27	66.2	19.1	786	3.14	5.4	1.0	4.3	3.6	20.5	.12	.51	.13	87	.75	.053	13.9	90.6	1.27	645.7	.230	3	2.20	.010	.08	<.2	.05	42	.2	.02	6.1
GSMD-17817	.25	41.72	3.72	36.1	13	41.0	17.8	680	2.55	5.4	.2	2.9	1.9	14.9	.09	.45	.04	92	.99	.048	6.9	48.5	.82	130.3	.285	3	2.03	.015	.03	<.2	.02	28	.2	<.02	5.8
GSMD-17894	.23	54.34	5.39	42.1	18	32.2	13.5	651	2.52	4.0	.2	2.9	2.3	27.0	.08	.31	.10	76	.77	.048	7.8	36.9	.79	345.7	.235	3	1.55	.010	.03	<.2	.02	40	<.1	.03	5.2
GSMD-17884	.53	17.12	5.08	53.8	92	31.8	13.1	300	3.27	3.8	.3	3.0	1.6	7.2	.10	.21	.10	92	.37	.053	7.4	54.2	.62	106.9	.250	1	2.18	.007	.02	<.2	.03	50	.2	<.02	6.3
GSMD-17723	.29	28.55	7.08	35.2	19	35.3	12.1	551	2.29	3.2	.4	2.6	3.3	9.7	.12	.34	.10	74	.66	.028	11.5	45.2	.80	298.1	.241	2	1.63	.010	.05	<.2	.03	12	<.1	<.02	4.7
GSMD-17735	.44	31.25	9.92	56.6	44	42.2	15.4	616	2.75	6.5	.5	6.3	4.7	13.4	.19	.65	.14	73	.50	.063	16.6	54.3	.77	318.8	.177	3	1.73	.007	.05	<.2	.04	32	.1	<.02	4.9
GSMD-17811	.31	110.27	10.65	64.1	17	39.6	16.0	630	2.68	6.6	.3	5.1	3.2	25.1	.08	.54	.14	82	.64	.036	12.3	51.3	.88	623.9	.221	3	1.81	.011	.03	<.2	.03	11	.2	.05	5.4
GSMD-17738	.21	27.76	3.93	28.5	18	25.3	9.9	450	1.81	3.5	.2	2.9	2.3	12.4	.07	.43	.05	53	.57	.055	7.9	28.5	.56	213.1	.168	1	1.05	.006	.02	<.2	.02	13	<.1	<.02	3.3
RE GSMD-17738	.20	27.44	3.86	28.6	17	25.2	9.4	448	1.80	3.6	.2	16.5	2.3	11.8	.07	.42	.05	54	.56	.054	7.8	27.1	.55	213.6	.168	1	1.03	.005	.02	<.2	<.02	10	<.1	<.02	3.3
GSMD-17818	.35	38.67	4.66	42.6	17	41.9	14.4	488	2.75	4.6	.2	2.4	2.2	12.8	.10	.34	.07	91	.64	.041	9.3	59.0	.85	190.4	.244	2	2.21	.012	.03	<.2	.03	56	.1	<.02	6.2
GSMD-17886	.51	92.93	7.30	70.5	196	84.8	20.2	320	3.21	7.1	.3	12.1	3.9	7.5	.07	.47	.16	64	.23	.028	15.3	61.2	.96	870.8	.108	3	2.31	.006	.03	<.2	.04	49	.3	.03	5.3
GSMD-17731	.56	44.84	13.04	61.5	111	50.3	17.6	715	2.99	22.1	.5	3.7	4.1	14.5	.22	.84	.13	87	.63	.049	15.1	63.5	.93	377.1	.207	3	2.04	.009	.05	<.2	.06	29	.3	.02	5.6
GSMD-17899	.61	21.67	18.21	37.4	1225	30.7	9.9	325	1.81	77.5	1.0	2.9	2.8	17.1	.11	.64	.31	30	.45	.043	14.4	59.8	.58	42.2	.060	5	.98	.016	.07	<.2	.05	111	.1	<.02	3.6
GSMD-17812	.26	34.88	4.19	36.4	18	33.8	13.0	496	2.48	4.0	.2	2.5	2.6	16.7	.09	.39	.06	84	.77	.046	9.8	49.8	.77	166.7	.252	2	1.83	.013	.03	<.2	.02	24	.1	<.02	5.3
GSMD-17732	.27	27.92	10.29	44.5	12	35.7	11.9	526	2.54	5.1	.5	4.3	5.0	14.9	.10	.45	.10	64	.52	.057	18.7	46.5	.81	269.5	.160	2	1.58	.009	.05	<.2	.03	34	<.1	<.02	4.7
GSMD-17810	.86	42.09	6.75	73.7	115	38.4	16.1	482	4.24	20.4	.3	5.0	1.9	6.3	.17	.66	.12	136	.41	.049	6.7	80.8	.81	101.8	.344	2	2.94	.005	.02	<.2	.04	50	.2	.02	8.5
GSMD-17730	.22	21.79	9.14	31.8	26	30.3	10.5	420	2.11	3.7	.4	14.3	4.4	10.5	.08	.32	.10	60	.61	.060	15.5	35.4	.68	140.7	.174	2	1.51	.007	.04	<.2	.03	10	.3	<.02	4.2
TCHD-17828	.40	31.82	6.12	41.9	12	34.0	15.6	603	2.85	3.9	.3	3.0	3.4	22.3	.10	.33	.08	92	.74	.047	11.4	60.2	.75	99.9	.248	1	1.95	.014	.05	<.2	.03	23	.2	<.02	5.7
TCHD-17823	.39	21.10	5.27	40.7	51	30.6	13.5	445	2.71	4.9	.3	1.9	2.1	9.9	.15	.28	.08	87	.53	.040	9.0	50.1	.60	126.0	.240	2	2.07	.009	.03	<.2	.03	52	.2	<.02	5.9
TCHD-17825	.26	41.18	5.39	50.4	44	41.8	19.6	755	3.13	3.8	.2	1.9	2.8	39.5	.15	.31	.08	96	1.47	.053	9.8	47.3	1.14	116.4	.284	2	2.18	.024	.07	<.2	.03	32	<.1	<.02	6.9
TCHD-17839	.52	68.45	6.38	70.4	23	60.8	32.3	1005	4.25	5.0	.3	2.1	2.4	21.1	.17	.38	.10	126	1.05	.057	9.7	76.9	1.46	126.0	.300	2	3.45	.021	.05	<.2	.04	26	.2	<.02	9.5
STANDARD DS2	14.27	131.54	33.05	160.1	247	35.1	12.1	823	3.08	58.2	19.6	204.6	3.6	29.1	10.27	9.72	10.74	73	.53	.088	16.5	164.8	.60	154.4	.098	3	1.72	.030	.16	6.9	1.85	233	2.3	1.90	6.0

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

ACME ANALYTICAL

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 FILE # A002201

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
TCHD-17831	.30	40.04	10.14	61.3	43	40.7	14.8	616	2.78	3.3	.2	1.3	1.2	12.8	.17	.30	.06	91	.79	.040	6.2	53.4	.88	159.7	.240	2	2.10	.011	.02	<.2	.02	32	.2	<.02	5.9
TCHD-17821	.25	33.93	5.17	42.0	10	38.9	14.0	532	2.74	6.3	.3	2.1	2.8	11.3	.10	.32	.07	84	.66	.041	8.3	56.5	.80	161.7	.248	2	2.16	.012	.04	<.2	.03	26	.1	.02	5.6
TCHD-17840	.48	53.82	5.44	68.0	44	58.6	30.6	992	3.84	4.4	.3	1.5	2.1	24.3	.20	.39	.08	109	1.03	.053	8.1	63.3	1.25	133.1	.288	2	3.33	.026	.05	<.2	.04	51	.3	<.02	8.1
TCHD-17830	.20	23.64	4.46	40.4	18	37.6	16.5	715	2.87	9.8	.2	5.5	1.7	14.7	.11	.48	.06	103	1.06	.016	6.9	65.4	1.03	130.4	.317	4	2.03	.012	.03	<.2	.02	26	.2	.02	6.2
TCHD-17832	.22	55.13	6.20	41.3	19	40.3	15.3	709	2.57	3.8	.2	18.3	1.5	16.9	.10	.33	.04	96	1.06	.050	6.2	49.4	.90	186.7	.294	4	1.91	.015	.02	<.2	<.02	25	<.1	<.02	5.5
TCHD-17834	.19	348.52	5.11	39.9	17	39.9	14.5	550	2.45	3.8	.1	4.0	1.3	12.1	.11	.37	.04	93	1.01	.040	5.5	36.2	.92	172.7	.313	3	1.90	.014	.02	<.2	<.02	26	.2	<.02	5.5
TCHD-17822	.21	34.11	5.37	44.0	13	40.8	14.5	570	2.85	6.2	.2	1.7	3.0	12.4	.09	.30	.08	87	.73	.044	9.1	55.8	.86	168.4	.261	3	2.29	.013	.05	<.2	.03	20	.1	<.02	5.9
TCHD-17826	.24	40.77	5.84	51.5	17	46.5	18.3	824	3.48	7.2	.2	3.0	2.8	21.5	.12	.44	.08	111	1.10	.057	9.6	69.5	1.13	126.2	.289	2	2.42	.017	.06	<.2	.03	37	.1	.02	7.1
TCHD-17838	.29	55.06	5.72	42.9	12	44.3	17.4	764	2.68	4.9	.2	5.5	2.1	12.0	.09	.50	.07	92	.78	.052	7.7	52.7	.94	302.4	.279	2	2.13	.011	.03	<.2	.02	18	.1	<.02	6.0
TCHD-17837	.44	61.75	6.50	66.3	10	49.7	20.7	786	3.59	4.8	.3	3.0	3.4	25.5	.12	.40	.10	107	.85	.044	13.3	66.4	1.13	200.0	.273	2	2.66	.016	.04	<.2	.04	20	.2	<.02	6.9
TCHD-17829	.28	54.42	4.52	56.7	15	53.8	25.6	982	4.30	14.4	.3	9.8	2.3	42.2	.11	.49	.07	146	1.28	.050	9.2	84.6	1.48	122.4	.375	<1	3.20	.027	.07	.3	.04	41	<.1	<.02	9.2
TCHD-17833	1.01	30.34	8.82	48.9	28	12.4	12.6	480	3.91	2.5	.6	1.7	2.6	45.2	.08	.08	.15	153	.47	.042	11.3	39.5	.53	87.7	.372	1	4.18	.098	.06	<.2	.12	34	.4	.02	10.0
TCHD-17836	.44	53.40	7.54	70.5	44	62.2	24.0	929	3.87	6.0	.4	2.2	2.5	26.1	.17	.44	.10	107	1.00	.038	11.7	74.3	1.27	224.1	.275	2	2.91	.018	.04	<.2	.03	34	.3	.02	7.8
TCHD-17824	.29	79.96	4.06	69.3	20	62.6	29.2	1226	4.85	3.3	.2	2.3	1.7	49.1	.14	.26	.06	155	1.57	.049	8.8	86.7	1.80	103.2	.387	1	3.62	.032	.04	<.2	.03	19	.2	<.02	10.1
TCHD-17835	.34	63.18	4.69	56.5	31	53.9	24.4	899	3.38	3.9	.3	28.8	1.9	19.2	.10	.34	.07	103	1.05	.063	8.4	52.6	1.26	158.1	.279	2	2.92	.016	.05	<.2	.03	25	.3	<.02	7.3
TCHD-17827	.35	24.44	6.84	47.7	17	38.8	14.7	1118	3.10	4.3	.6	2.3	4.2	23.1	.07	.28	.11	77	.88	.056	12.8	61.7	.91	204.3	.236	4	2.03	.015	.11	<.2	.03	31	<.1	<.02	5.9
PPD-17859	1.72	73.46	5.92	189.8	588	81.5	21.9	1490	3.78	3.9	1.7	2.0	2.0	25.9	2.01	.45	.09	108	.94	.215	14.8	90.8	.98	499.4	.209	1	2.36	.011	.03	<.2	.05	255	.9	.03	6.6
PPD-17856	.35	64.31	5.54	53.5	13	53.0	20.0	715	3.21	3.7	.3	2.0	2.6	17.1	.12	.30	.08	100	.84	.030	10.6	64.6	1.15	328.9	.297	2	2.54	.015	.02	<.2	.03	22	.3	.02	6.8
PPD-17858	.37	66.07	6.24	54.4	16	48.9	18.5	726	3.11	4.1	.3	2.7	2.4	20.2	.15	.34	.09	89	.79	.060	9.0	56.4	1.01	255.5	.243	3	1.94	.013	.02	<.2	.02	39	.3	<.02	5.8
PPD-17860	.58	77.78	6.57	75.9	118	60.6	22.7	925	3.75	3.7	.6	2.8	2.0	16.6	.25	.27	.10	116	.95	.099	11.3	86.2	1.18	411.8	.282	<1	2.90	.009	.05	<.2	.04	59	.6	.03	7.6
PPD-17857	.63	31.71	5.69	52.1	140	29.1	9.2	386	3.62	3.9	.5	3.3	.9	11.5	.21	.30	.09	132	.31	.042	7.0	59.7	.59	1799.2	.163	2	1.87	.008	.03	<.2	.03	72	.1	.02	8.4
RE PPD-17857	.67	32.49	5.81	52.4	154	29.1	9.4	392	3.68	3.9	.5	2.0	.9	11.6	.21	.31	.10	135	.31	.043	7.0	62.0	.60	1835.9	.166	2	1.89	.007	.03	<.2	.03	82	.2	.02	8.5
LAMD-17847	.33	49.55	4.04	39.5	6	39.0	15.5	640	2.60	3.9	.2	2.0	1.7	14.0	.10	.39	.05	93	.85	.045	5.9	54.1	.86	133.6	.270	2	2.03	.016	.03	<.2	.02	23	.3	<.02	5.6
LAMD-17849	.31	38.50	3.92	37.1	23	37.7	15.8	672	2.41	4.2	.2	7.1	1.4	11.5	.10	.40	.06	91	.78	.047	6.1	49.6	.80	417.5	.284	2	2.07	.012	.02	<.2	.02	37	.3	<.02	5.5
LAMD-17852	.24	45.83	4.80	43.2	58	80.2	21.2	853	3.24	3.2	.4	2.4	1.7	16.5	.10	.17	.08	84	.87	.055	9.4	85.6	1.20	188.7	.203	3	2.65	.013	.05	<.2	.03	50	.3	<.02	6.9
LAMD-17842	.46	52.64	4.45	58.7	78	53.3	21.6	713	3.75	6.4	.2	1.7	1.0	17.4	.17	.37	.06	126	.83	.041	7.2	77.2	1.13	242.1	.309	2	2.76	.014	.02	<.2	.03	59	.3	.03	8.2
LAMD-17850	.32	34.75	4.77	37.1	70	42.5	14.6	420	2.75	4.6	.3	3.0	1.6	14.6	.15	.34	.06	89	.76	.035	8.2	59.1	.79	217.8	.273	2	2.26	.012	.02	<.2	.02	60	.3	<.02	5.7
LAMD-17848	.42	53.79	3.94	39.0	25	38.0	15.7	687	2.54	5.1	.2	2.6	1.7	13.5	.09	.43	.06	89	.89	.035	6.4	47.5	.88	201.7	.285	2	1.95	.017	.02	<.2	.02	28	.3	<.02	5.4
LAMD-17844	.37	42.65	5.35	51.4	8	41.8	16.3	633	3.01	4.0	.3	1.8	3.0	21.2	.11	.37	.07	94	.79	.048	10.7	58.4	1.03	160.4	.272	2	2.11	.017	.04	<.2	.03	13	.3	<.02	5.9
LAMD-17846	.33	64.19	5.43	44.3	38	51.9	21.4	1035	2.96	7.4	.2	3.1	1.4	13.2	.12	.51	.07	94	.71	.032	7.0	64.1	1.07	391.2	.255	2	2.65	.015	.03	<.2	.03	48	.4	<.02	6.0
LAMD-17855	.66	60.47	8.95	53.5	173	47.3	18.8	705	3.71	25.3	1.3	24.9	2.0	16.1	.12	.46	.13	88	.50	.074	18.0	98.0	.71	104.3	.100	3	2.52	.007	.05	<.2	.04	162	.6	.02	5.4
LAMD-17851	.47	40.61	3.24	29.6	85	60.0	14.3	276	3.15	3.4	.4	1.2	.8	10.7	.16	.18	.05	78	.53	.053	7.5	75.1	.68	158.1	.180	1	3.35	.008	.02	<.2	.02	122	.6	<.02	6.3
LAMD-17854	.17	55.25	3.92	45.0	4	51.1	20.0	788	3.38	2.9	.2	.7	1.9	23.5	.08	.20	.05	119	1.14	.025	6.4	52.2	1.33	212.4	.346	3	2.83	.023	.03	<.2	.03	16	.2	<.02	8.0
STANDARD DS2	13.09	123.93	33.01	163.4	255	35.4	11.7	826	3.03	58.2	20.9	190.6	3.3	28.5	10.33	8.25	11.08	73	.53	.090	16.1	150.0	.59	146.1	.094	3	1.70	.032	.15	7.1	1.74	250	2.1	1.92	5.8

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ 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
LAMD-17843	.46	27.68	4.67	68.2	99	33.3	16.0	546	3.18	5.8	.3	2.3	1.3	10.0	.07	.35	.08	99	.53	.065	7.7	61.7	.70	440.8	.232	1	2.11	.008	.02	<.2	.03	52	.4	.03	6.6
LAMD-17845	.22	51.66	4.63	47.7	29	43.1	16.7	647	3.18	5.6	.2	3.8	2.2	25.4	.03	.37	.05	108	1.11	.047	9.4	68.9	1.05	169.7	.310	<1	2.38	.021	.04	<.2	.03	36	.2	<.02	6.7
LAMD-17841	.40	50.94	4.38	56.4	94	51.1	21.2	670	3.64	6.3	.2	1.9	1.0	16.4	.11	.34	.06	123	.80	.041	7.0	79.0	1.09	228.6	.297	1	2.72	.013	.02	<.2	.03	53	.4	<.02	8.2
LAMD-17853	.19	51.75	6.57	56.7	67	45.4	19.5	716	3.21	5.3	.3	5.8	3.3	62.4	.08	.29	.08	87	2.43	.049	11.1	52.4	1.61	276.3	.250	3	2.22	.017	.13	<.2	.04	42	.2	.04	7.0
STANDARD OS2	14.18	124.70	31.52	160.3	271	34.8	11.0	827	3.07	57.8	19.0	203.4	3.5	28.9	10.66	10.45	10.95	73	.53	.092	16.0	154.2	.59	151.2	.097	4	1.69	.029	.17	7.5	1.86	222	2.4	2.04	6.0

Sample type: -230 TILL.

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002201 Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GSMD-17887	.62	<.1	.24	1.04	2.9	4.6	.6	.02	<.05	10.5	9.90	15.3	.03	<1	.5	8.8	30
GSMD-17801	.42	<.1	.15	.38	2.9	5.0	.4	<.01	<.05	8.7	8.51	21.7	.02	1	.3	13.2	30
GSMD-17820	.78	<.1	.26	.11	2.2	11.4	.5	<.01	<.05	9.9	16.25	18.1	.04	<1	.3	22.3	30
GSMD-17808	1.39	<.1	.34	.05	2.4	10.0	.6	.01	<.05	13.2	14.80	14.7	.04	<1	.3	29.1	30
GSMD-17888	.64	<.1	.26	.07	4.5	4.6	.4	<.01	<.05	10.3	9.58	21.5	.02	<1	.2	15.1	30
GSMD-17803	.67	<.1	.36	.07	3.6	9.1	.5	<.01	<.05	14.8	12.26	21.8	.04	<1	.4	19.1	30
GSMD-17724	.46	<.1	.26	.31	1.9	4.6	1.7	<.01	<.05	10.9	10.59	16.2	.19	<1	.4	9.9	30
GSMD-17895	.80	<.1	.22	.08	3.2	8.2	.5	<.01	<.05	10.3	13.43	21.4	.03	<1	.4	14.4	30
GSMD-17813	.52	<.1	.19	.39	2.1	4.7	.5	<.01	<.05	9.8	8.66	21.1	.03	<1	.3	13.9	30
GSMD-17721	.81	<.1	.15	.55	3.8	6.1	.6	.01	<.05	8.6	11.28	25.8	.04	<1	.4	16.7	30
GSMD-17737	.65	<.1	.22	.05	3.8	4.9	.5	<.01	<.05	9.5	9.97	23.9	.03	2	.3	16.1	30
GSMD-17819	1.48	<.1	.19	.07	2.8	13.9	.9	.02	<.05	6.9	12.87	20.0	.07	<1	.6	37.3	30
GSMD-17727	.72	<.1	.37	.05	4.4	9.6	.7	.01	<.05	15.9	11.98	27.5	.05	<1	.7	14.6	30
GSMD-17814	.62	<.1	.28	.12	2.3	7.4	.5	.01	<.05	13.2	9.55	23.5	.05	1	.4	13.3	30
GSMD-17897	.45	<.1	.26	.16	2.2	6.3	.5	<.01	<.05	10.4	11.16	16.9	.04	1	.3	9.6	30
GSMD-17802	.41	<.1	.16	.36	2.8	4.7	.6	.01	<.05	8.3	7.91	18.2	.04	<1	.4	12.8	30
GSMD-17898	.78	<.1	.29	.16	3.7	6.7	.6	.01	<.05	13.1	10.96	25.7	.05	<1	.5	16.4	30
RE GSMD-17898	.78	<.1	.31	.14	4.0	6.9	.7	.01	<.05	12.9	11.22	26.6	.04	1	.5	16.2	30
GSMD-17815	.87	<.1	.29	.11	3.0	6.6	.6	.01	<.05	14.1	9.98	27.0	.04	<1	.3	14.7	30
GSMD-17896	.61	<.1	.16	.58	3.1	4.8	.6	.02	<.05	7.9	8.07	15.9	.04	<1	.3	12.2	30
GSMD-17733	1.27	<.1	.64	.42	4.2	8.6	1.5	.03	<.05	39.2	13.43	28.7	.06	<1	.8	11.0	30
GSMD-17804	.84	<.1	.16	.75	3.0	5.0	.7	.02	<.05	8.6	8.66	16.4	.04	<1	.4	19.6	30
GSMD-17891	.51	<.1	.21	.81	1.8	4.8	.8	.01	<.05	10.6	10.81	18.2	.03	<1	.4	9.4	30
GSMD-17809	.63	<.1	.14	.60	1.7	5.4	.6	.03	<.05	7.7	9.58	12.5	.03	<1	.3	17.5	30
GSMD-17728	.55	<.1	.08	.28	5.2	2.7	.3	.01	<.05	5.3	7.69	42.5	.02	<1	.4	15.6	30
GSMD-17739	1.15	<.1	.19	.38	4.6	8.0	.6	.01	<.05	10.0	11.73	22.6	.03	<1	.4	28.1	30
GSMD-17734	.57	<.1	.45	.13	2.3	9.7	.7	.01	<.05	19.4	9.04	13.7	.03	<1	.4	10.5	30
GSMD-17889	.66	<.1	.40	.11	2.7	8.3	.6	.01	<.05	14.6	12.68	15.2	.03	<1	.3	12.2	30
GSMD-17900	.49	<.1	.19	.44	2.1	6.1	.6	.01	<.05	9.2	9.00	18.5	.03	<1	.3	12.4	30
GSMD-17805	.80	<.1	.31	.21	2.4	7.3	.6	.02	<.05	15.0	11.82	19.3	.02	<1	.4	21.1	30
GSMD-17736	.88	<.1	.24	.07	5.6	6.2	.5	.01	<.05	10.6	10.90	30.5	.02	1	.5	19.9	30
GSMD-17726	.55	<.1	.28	.09	2.9	6.3	.4	.01	<.05	11.6	12.12	21.4	.02	1	.4	13.2	30
GSMD-17883	.57	<.1	.09	.81	3.7	3.3	.4	.02	<.05	4.5	5.71	16.9	.02	<1	.3	13.4	30
STANDARD DS2	3.23	<.1	.04	1.38	12.6	2.9	25.4	.03	<.05	2.8	7.59	30.3	5.35	2	.6	14.1	30

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: -230 TILL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 5 2000 DATE REPORT MAILED: July 23/00 SIGNED BY. C. Leong .. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GSMD-17890	1.81	<.1	.23	1.00	3.2	4.7	.8	<.01	<.05	11.0	9.58	38.3	.03	<1	.6	11.1	30.0
GSMD-17729	.58	<.1	.10	.14	6.3	3.4	.4	<.01	<.05	6.8	9.19	65.1	.02	<1	.4	27.3	30.0
GSMD-17893	.93	<.1	.26	.08	4.7	6.0	.4	.01	<.05	11.8	10.75	25.9	.03	<1	.3	18.3	30.0
GSMD-17881	.87	<.1	.10	.77	3.7	5.2	.6	<.01	<.05	6.6	9.19	24.7	.03	<1	.2	16.2	30.0
GSMD-17806	.31	<.1	.34	.07	2.1	6.0	.4	<.01	<.05	14.0	10.83	20.9	.02	<1	.2	10.7	30.0
GSMD-17816	.54	<.1	.54	.12	1.5	8.9	.5	<.01	<.05	22.0	13.10	17.3	.03	<1	.3	12.4	30.0
GSMD-17882	.89	<.1	.12	.80	3.9	5.5	.5	.02	<.05	6.9	9.63	21.6	.04	<1	.3	15.1	30.0
GSMD-17892	.71	<.1	.05	.93	5.6	3.5	.6	<.01	<.05	3.7	6.74	20.3	.03	<1	.5	13.7	30.0
GSMD-17740	.40	<.1	.12	.40	2.4	4.4	.4	<.01	<.05	6.8	8.85	20.1	.03	<1	.3	10.4	30.0
GSMD-17725	.40	<.1	.16	.55	1.9	4.0	.3	<.01	<.05	8.6	10.12	28.4	.05	<1	.4	11.8	30.0
GSMD-17807	.39	<.1	.39	.07	2.3	6.3	.4	<.01	<.05	15.2	11.63	17.3	.03	<1	.4	13.7	30.0
GSMD-17885	.61	<.1	.14	.23	.9	13.9	.6	.02	<.05	7.0	14.66	21.7	.07	<1	.3	10.2	30.0
GSMD-17722	.79	<.1	.22	.23	3.5	6.7	.4	.01	<.05	11.5	11.76	26.4	.05	<1	.3	15.6	30.0
GSMD-17817	.60	<.1	.31	.39	1.5	6.1	.5	.01	<.05	14.9	11.99	18.5	.04	<1	.3	12.4	30.0
GSMD-17894	.77	<.1	.28	.07	1.9	6.5	.6	.01	<.05	11.2	11.98	16.2	.05	<1	.2	9.9	30.0
GSMD-17884	.69	<.1	.11	1.03	4.1	3.5	.6	.03	<.05	6.0	6.34	16.3	.05	<1	.3	14.3	30.0
GSMD-17723	.31	<.1	.18	.48	3.1	3.5	.4	.01	<.05	9.0	8.54	27.6	.04	<1	.2	12.3	30.0
GSMD-17735	.55	<.1	.09	.35	4.5	4.2	.4	<.01	<.05	5.9	7.82	34.4	.05	<1	.4	15.5	30.0
GSMD-17811	.86	<.1	.26	.13	2.1	5.0	.5	<.01	<.05	13.3	8.47	41.5	.05	<1	.3	12.7	30.0
GSMD-17738	.26	<.1	.19	.16	1.1	3.0	.3	.02	<.05	8.0	7.56	15.7	.03	<1	.2	8.0	30.0
RE GSMD-17738	.26	<.1	.21	.21	1.1	2.9	.3	<.01	<.05	7.9	7.40	15.8	.03	<1	.2	8.0	30.0
GSMD-17818	.75	<.1	.13	.54	2.7	5.6	.5	.03	<.05	8.0	9.34	20.3	.05	<1	.3	17.3	30.0
GSMD-17886	.80	<.1	.13	.33	5.4	3.4	.4	.01	<.05	6.3	5.24	36.4	.05	<1	.3	19.3	30.0
GSMD-17731	.79	<.1	.13	.37	4.0	5.0	.5	.03	<.05	8.1	10.41	39.7	.04	<1	.4	14.7	30.0
GSMD-17899	.71	<.1	.04	.74	6.8	2.5	1.5	.03	<.05	2.1	5.63	27.5	.02	<1	.3	18.0	7.5
GSMD-17812	.36	<.1	.24	.22	1.9	5.9	.4	.01	<.05	12.7	9.82	20.1	.03	<1	.2	11.9	30.0
GSMD-17732	.42	<.1	.19	.11	3.8	5.0	.4	.01	<.05	9.3	11.03	34.9	.02	<1	.4	16.3	30.0
GSMD-17810	2.94	<.1	.18	1.14	4.0	5.4	1.0	.03	<.05	8.8	6.99	14.6	.06	<1	.4	29.2	30.0
GSMD-17730	.33	<.1	.14	.37	2.8	2.8	.4	.01	<.05	7.5	9.16	37.1	.02	<1	.4	12.5	30.0
TCHD-17828	.42	<.1	.27	.15	3.0	7.6	.6	.02	<.05	14.4	9.84	23.2	.03	<1	.2	12.7	30.0
TCHD-17823	.51	<.1	.12	.75	3.3	4.3	.6	.01	<.05	7.3	7.81	20.1	.03	<1	.4	14.5	30.0
TCHD-17825	.62	<.1	.43	.08	3.5	6.8	.6	.01	<.05	19.9	12.30	20.1	.02	<1	.3	13.2	30.0
TCHD-17839	.73	<.1	.25	.63	3.5	6.8	.7	.02	<.05	13.7	11.49	21.2	.03	<1	.3	16.7	30.0
STANDARD DS2	3.45	<.1	.04	1.47	13.0	3.1	26.1	.03	<.05	3.1	7.86	32.1	5.22	<1	.7	14.7	30.0

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ___

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
TCHD-17831	.55	<.1	.14	.64	2.5	5.2	.5	.01	<.05	6.9	10.17	16.3	.03	<1	.3	14.3	30
TCHD-17821	.46	<.1	.22	.34	2.9	4.9	.5	.01	<.05	10.7	7.30	19.1	.02	<1	.3	15.3	30
TCHD-17840	.70	<.1	.20	.70	3.3	5.8	.6	.02	<.05	11.0	9.76	20.0	.03	<1	.6	13.8	30
TCHD-17830	.61	<.1	.22	.56	2.7	5.6	.7	.02	<.05	9.3	8.59	18.0	.03	<1	.2	21.7	30
TCHD-17832	.39	<.1	.30	.18	1.1	5.9	.6	<.01	<.05	12.7	12.04	15.8	.03	<1	.3	12.5	30
TCHD-17834	.43	<.1	.27	.40	.9	4.6	.6	.02	<.05	11.8	10.28	15.3	.03	<1	.3	11.6	30
TCHD-17822	.47	<.1	.24	.31	3.2	5.0	.5	<.01	<.05	11.3	7.69	21.1	.03	<1	.3	17.1	30
TCHD-17826	.64	<.1	.30	.08	3.1	10.1	.6	.02	<.05	13.4	13.91	20.5	.06	<1	.4	20.3	30
TCHD-17838	.60	<.1	.24	.40	1.8	4.8	.6	.02	<.05	10.6	9.93	19.9	.05	<1	.4	16.0	30
TCHD-17837	.55	<.1	.27	.13	2.9	7.0	.6	.01	<.05	13.2	10.82	27.7	.06	<1	.4	16.4	30
TCHD-17829	1.55	<.1	.39	.12	3.6	11.6	.7	.02	<.05	19.5	16.84	21.1	.07	<1	.3	24.0	30
TCHD-17833	1.24	<.1	.60	.38	4.2	8.3	1.3	<.01	<.05	37.7	13.90	28.3	.09	<1	.6	9.4	30
TCHD-17836	1.01	<.1	.15	.64	3.8	6.8	.5	<.01	<.05	8.2	12.55	31.4	.07	<1	.4	19.3	30
TCHD-17824	1.60	<.1	.30	.15	2.4	11.1	.8	.01	<.05	17.5	17.09	20.5	.08	<1	.4	14.0	30
TCHD-17835	.70	<.1	.18	.56	2.6	5.5	.6	.02	<.05	9.9	9.92	19.6	.07	<1	.5	11.4	30
TCHD-17827	.45	<.1	.26	.08	3.6	7.0	.5	<.01	<.05	12.4	10.32	25.3	.08	1	.4	22.0	30
PPD-17859	.89	<.1	.06	.21	2.5	9.9	.5	<.01	<.05	3.7	18.26	24.1	.08	<1	.5	10.4	30
PPD-17856	.57	<.1	.27	.12	2.1	5.6	.6	.01	<.05	11.5	10.04	22.5	.08	<1	.5	13.8	30
PPD-17858	.60	<.1	.26	.09	1.7	6.6	.4	<.01	<.05	11.0	13.08	17.4	.07	<1	.3	10.9	30
PPD-17860	.57	<.1	.08	.47	3.1	8.0	.7	<.01	<.05	5.0	18.14	25.2	.08	<1	.3	12.9	30
PPD-17857	1.00	<.1	.03	1.33	4.5	2.8	.8	.03	<.05	1.8	4.11	19.0	.06	<1	.4	12.8	30
RE PPD-17857	1.02	<.1	.02	1.42	4.4	2.9	.6	.03	<.05	1.8	4.18	19.6	.06	<1	.4	12.8	30
LAMD-17847	.52	<.1	.36	.19	1.6	5.7	.6	.02	<.05	16.2	9.84	17.8	.05	<1	.3	10.1	30
LAMD-17849	.47	<.1	.20	.55	1.4	4.9	.6	.01	<.05	10.0	9.90	16.0	.05	<1	.3	10.5	30
LAMD-17852	.77	<.1	.07	.51	3.9	7.4	.6	.01	<.05	4.5	17.16	33.7	.05	<1	.3	12.5	30
LAMD-17842	.84	<.1	.17	.80	2.8	6.4	.7	.01	<.05	9.1	11.89	16.3	.05	<1	.2	19.0	30
LAMD-17850	.48	<.1	.15	.78	2.2	5.2	.5	.02	<.05	8.7	11.48	19.8	.04	<1	.3	11.0	30
LAMD-17848	.52	<.1	.26	.38	1.3	4.7	.5	<.01	<.05	12.7	9.89	20.2	.03	<1	.4	12.0	30
LAMD-17844	.47	<.1	.28	.12	2.6	5.1	.5	<.01	<.05	12.9	8.60	21.6	.02	<1	.3	14.0	30
LAMD-17846	.67	<.1	.17	.68	2.0	5.9	.5	<.01	<.05	9.1	10.76	28.9	.03	<1	.3	14.9	30
LAMD-17855	2.12	<.1	.03	.59	3.7	11.6	.4	.02	<.05	3.0	43.33	41.2	.03	<1	.7	19.8	30
LAMD-17851	.46	<.1	.11	.95	1.3	5.7	.6	.06	<.05	6.5	16.01	18.4	.03	<1	.6	7.6	30
LAMD-17854	.72	<.1	.40	.13	1.9	6.2	.7	<.01	<.05	15.9	10.11	15.5	.02	<1	.3	11.2	30
STANDARD DS2	3.18	<.1	.06	1.46	12.5	3.0	25.3	.03	<.05	3.1	7.46	30.5	5.27	1	.4	14.3	30

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data L FA ___

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
LAMD-17843	.92	<.1	.12	.81	4.3	4.7	.6	.01	<.05	5.6	8.01	16.1	.04	<1	.2	14.5	30
LAMD-17845	.59	<.1	.36	.08	2.3	8.8	.7	<.01	<.05	15.5	14.97	18.9	.04	<1	.3	13.9	30
LAMD-17841	.81	<.1	.20	.84	2.7	6.3	.7	.01	<.05	8.7	10.90	16.2	.03	<1	.4	18.7	30
LAMD-17853	1.03	<.1	.28	.08	4.5	5.7	.5	<.01	<.05	10.5	11.53	22.8	.03	<1	.2	15.9	30
STANDARD DS2	3.38	<.1	.02	1.27	13.4	2.9	27.4	.02	<.05	3.2	7.64	32.4	5.27	2	.5	14.7	30

Sample type: -230 TILL.

Data N FA ___

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

WHOLE ROCK ICP ANALYSIS

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002201R Page 1

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GSMD-17887	54.97	11.02	5.50	2.85	3.68	1.66	.43	1.13	.14	.09	.019	384	56	21	18.2	4.30	.01	99.74
GSMD-17801	70.13	10.15	5.03	2.35	2.94	1.87	.71	1.12	.07	.08	.016	439	49	18	5.4	.60	.01	99.92
GSMD-17820	60.62	11.31	8.16	4.56	4.69	2.09	.66	1.35	.08	.15	.030	833	79	34	6.1	.16	.03	99.91
GSMD-17808	55.81	11.52	7.94	4.62	7.36	2.03	.54	1.34	.14	.16	.021	432	67	28	8.4	.69	.01	99.94
GSMD-17888	65.17	9.49	5.35	3.29	6.01	1.59	.96	.98	.12	.10	.015	512	45	18	6.8	.91	.01	99.94
GSMD-17803	66.33	11.81	6.39	2.65	2.93	2.10	1.10	1.20	.13	.11	.015	618	47	23	5.3	.15	<.01	100.14
GSMD-17724	63.08	11.13	6.88	4.16	5.55	2.17	.66	1.42	.12	.15	.025	882	55	27	4.5	.31	<.01	99.95
GSMD-17895	68.26	10.44	6.47	2.77	3.16	1.69	.87	1.21	.12	.17	.017	1520	53	25	4.7	.15	.04	100.06
GSMD-17813	65.22	11.83	5.99	3.01	3.51	2.09	1.05	1.23	.12	.10	.018	693	54	21	6.0	.63	<.01	100.26
GSMD-17721	64.56	11.35	6.87	3.52	2.88	1.56	1.30	1.15	.11	.13	.026	1716	90	21	6.4	.66	<.01	100.06
GSMD-17737	64.53	10.96	6.20	3.48	4.75	1.87	1.18	1.19	.16	.15	.018	1068	71	20	5.3	.43	.02	99.92
GSMD-17819	55.40	14.02	9.93	4.97	2.31	2.22	.66	1.48	.13	.23	.023	955	78	30	8.6	.37	<.01	100.09
GSMD-17727	61.70	13.15	7.29	2.71	2.84	1.97	1.40	1.25	.15	.10	.021	1227	60	23	7.2	.24	<.01	99.93
GSMD-17814	64.40	12.35	6.69	3.02	3.32	1.99	1.18	1.27	.15	.12	.023	747	57	24	5.5	.22	<.01	100.11
GSMD-17897	69.49	9.84	5.78	2.76	3.60	1.81	.71	1.23	.07	.12	.016	1087	58	23	4.5	.31	.04	100.06
GSMD-17802	70.20	10.10	5.13	2.34	2.97	1.85	.69	1.14	.08	.09	.013	442	42	18	5.5	.63	.01	100.16
GSMD-17898	60.38	13.26	7.93	3.76	3.57	1.68	1.20	1.14	.16	.16	.022	1267	70	24	6.4	.26	<.01	99.82
RE GSMD-17898	60.40	13.31	8.08	3.77	3.57	1.68	1.21	1.15	.13	.17	.021	1266	71	23	6.3	.27	.01	99.94
GSMD-17815	63.06	12.71	6.95	3.37	3.61	1.90	1.24	1.26	.11	.13	.022	763	52	23	5.4	.24	<.01	99.86
GSMD-17896	64.63	10.79	6.46	2.95	3.49	1.72	.61	1.28	.09	.11	.018	884	69	21	7.9	1.24	<.01	100.16
GSMD-17733	53.44	18.52	8.83	2.34	4.01	3.11	1.12	1.37	.17	.14	.009	377	33	23	6.8	.66	<.01	99.91
GSMD-17804	60.63	11.46	6.54	2.59	2.87	2.01	.76	1.31	.14	.08	.019	371	49	19	11.6	2.50	.03	100.06
GSMD-17891	62.80	10.60	6.20	3.48	4.42	1.93	.49	1.30	.15	.12	.021	420	54	24	8.4	1.47	.04	99.97
GSMD-17809	63.29	10.29	6.52	3.14	3.88	2.00	.53	1.38	.10	.13	.022	482	63	22	8.8	1.71	<.01	100.15
GSMD-17728	68.96	11.94	4.82	2.06	1.95	2.02	2.16	1.37	.11	.07	.015	978	61	15	4.4	.41	.02	99.99
GSMD-17739	61.50	12.87	7.50	2.91	2.59	1.82	1.24	1.21	.10	.11	.018	557	65	22	8.0	.80	<.01	99.94
GSMD-17734	57.29	13.98	7.98	3.62	4.29	2.14	.76	1.48	.09	.11	.026	797	72	27	8.3	.33	<.01	100.17
GSMD-17889	61.72	11.23	7.31	3.91	5.02	1.85	.59	1.26	.12	.13	.022	398	69	28	6.7	.25	<.01	99.92
GSMD-17900	61.00	12.77	7.06	3.15	3.38	1.67	.84	1.31	.20	.12	.022	1012	84	21	8.3	.66	<.01	99.95
GSMD-17805	61.80	12.45	7.24	3.55	4.05	2.10	.79	1.37	.13	.13	.021	407	65	26	6.4	.43	<.01	100.09
GSMD-17736	62.05	12.60	6.95	3.16	3.46	1.62	1.65	1.05	.14	.15	.018	1427	84	20	6.7	.35	.01	99.72
GSMD-17726	66.73	10.69	6.32	3.25	3.92	1.84	1.03	1.28	.12	.14	.022	1431	58	25	4.4	.13	.01	99.91
GSMD-17883	65.54	10.43	5.72	1.87	1.92	1.50	.80	1.11	.11	.06	.013	474	54	14	10.8	2.25	.01	99.93
STANDARD SO-15/CSB	49.49	12.39	7.34	7.29	5.89	2.38	1.82	1.73	2.70	1.42	1.055	2089	90	12	5.9	2.45	5.48	99.65

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: -230 TILL
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 31 2000 DATE REPORT MAILED: Aug 26/00 SIGNED BY: ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data / FA ___

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GSMD-17890	64.35	10.91	6.22	3.74	3.96	1.62	.79	1.25	.04	.10	.023	519	63	23	7.0	.74	<.01	100.07
GSMD-17729	67.95	12.74	5.89	2.33	1.32	1.74	2.34	1.24	.15	.08	.013	852	35	15	3.9	.20	<.01	99.79
GSMD-17893	67.04	10.53	6.32	3.03	3.34	1.53	1.23	1.03	.15	.13	.014	1400	50	19	5.6	.29	.01	100.11
GSMD-17881	58.06	12.58	7.20	2.91	2.77	1.73	1.09	1.18	.15	.12	.019	823	54	20	12.0	2.47	.01	99.91
GSMD-17806	73.17	9.51	4.86	2.00	2.70	1.94	.78	1.07	.15	.08	.012	457	35	18	3.5	.09	.02	99.83
GSMD-17816	63.31	11.80	6.93	3.55	4.95	2.26	.80	1.37	.11	.12	.023	451	55	29	4.9	.16	<.01	100.18
GSMD-17882	55.91	12.66	7.48	2.81	2.76	1.68	1.16	1.17	.20	.12	.018	760	57	20	13.9	2.98	.01	99.96
GSMD-17892	62.17	10.52	5.79	1.75	2.02	1.58	.80	1.15	.18	.09	.013	451	41	14	13.9	3.06	.02	100.02
GSMD-17740	70.04	9.49	4.93	2.32	3.20	1.87	.59	1.19	.12	.08	.019	377	45	18	6.2	.92	<.01	100.10
GSMD-17725	67.64	9.56	6.00	3.62	4.24	1.73	.83	1.35	.16	.14	.029	1344	70	25	4.5	.42	<.01	99.96
GSMD-17807	70.47	10.28	5.51	2.42	3.29	2.06	.80	1.17	.09	.09	.018	436	42	21	3.6	.06	.02	99.85
GSMD-17885	42.61	15.07	12.37	6.51	5.79	1.63	.10	1.10	.17	.18	.032	97	102	38	14.4	1.48	.01	99.99
GSMD-17722	65.71	11.24	6.83	3.49	2.95	1.55	1.28	1.17	.17	.13	.028	1715	81	22	5.5	.29	.01	100.25
GSMD-17817	63.96	11.02	6.29	3.42	5.04	2.16	.55	1.43	.15	.13	.027	424	75	27	5.7	.64	<.01	99.94
GSMD-17894	70.05	9.30	5.80	2.92	3.82	1.84	.64	1.21	.15	.12	.017	905	41	24	4.1	.13	<.01	100.08
GSMD-17884	60.26	11.25	6.82	2.26	2.30	1.67	.87	1.24	.15	.07	.016	447	38	17	13.1	2.85	<.01	100.06
GSMD-17723	68.96	10.30	5.46	2.99	3.44	1.90	1.21	1.25	.09	.11	.019	1006	44	20	4.3	.40	<.01	100.15
GSMD-17735	67.93	11.42	5.85	2.39	2.37	1.78	1.42	1.27	.19	.11	.018	1100	55	17	5.0	.43	.01	99.88
GSMD-17811	67.58	10.81	6.17	3.15	3.40	1.74	.93	1.21	.10	.12	.021	1451	54	23	4.6	.23	<.01	100.00
GSMD-17738	73.64	8.76	4.63	2.53	3.73	2.04	.65	1.30	.08	.10	.018	676	38	19	2.6	.12	<.01	100.16
RE GSMD-17738	73.47	8.77	4.70	2.49	3.73	2.04	.66	1.30	.14	.10	.019	679	44	19	2.7	.10	.01	100.20
GSMD-17818	64.90	11.55	6.01	2.70	2.99	1.86	.91	1.25	.14	.09	.018	566	51	21	7.7	1.33	.02	100.19
GSMD-17886	65.20	12.48	6.61	2.67	1.48	1.36	1.40	1.04	.07	.06	.019	1894	93	16	7.2	.66	.02	99.81
GSMD-17731	64.62	11.99	6.38	2.91	3.07	1.83	1.28	1.32	.12	.12	.022	1208	59	20	6.0	.63	<.01	99.81
GSMD-17899	69.64	11.79	3.99	1.70	2.56	2.70	2.26	.52	.09	.06	.016	456	42	10	4.7	1.22	.03	100.08
GSMD-17812	67.30	10.91	5.91	2.93	3.91	2.08	.79	1.31	.12	.10	.022	583	48	24	4.5	.30	.01	99.96
GSMD-17732	69.15	11.61	5.44	2.42	2.33	2.00	1.61	1.19	.12	.09	.018	953	60	18	3.6	.11	.01	99.69
GSMD-17810	58.24	12.76	8.60	2.39	2.24	1.75	.84	1.53	.18	.09	.020	429	48	19	11.4	1.54	.02	100.10
GSMD-17730	69.13	10.94	5.02	2.70	3.40	2.19	1.35	1.42	.12	.09	.019	704	54	19	3.7	.34	<.01	100.17
TCHD-17828	67.30	11.66	6.15	2.20	2.79	2.08	.94	1.24	.14	.10	.013	440	38	21	5.3	.25	<.01	99.97
TCHD-17823	63.44	11.08	5.93	2.08	2.47	1.70	.87	1.22	.12	.08	.015	456	43	17	10.9	2.53	.06	99.96
TCHD-17825	62.91	11.25	7.00	3.51	5.01	2.04	.80	1.26	.12	.13	.019	408	55	25	5.7	.27	<.01	99.80
TCHD-17839	54.30	14.41	8.73	3.81	3.44	1.55	1.22	1.16	.20	.15	.017	795	70	23	10.8	1.37	<.01	99.89
STANDARD SO-15/CSB	49.50	12.47	7.28	7.19	5.80	2.37	1.85	1.77	2.69	1.37	1.055	1930	78	12	5.9	2.46	5.34	99.47

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data / FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
TCHD-17831	61.33	11.42	6.61	3.40	4.39	2.17	.63	1.37	.11	.13	.028	619	50	25	8.3	1.47	<.01	99.97
TCHD-17821	67.26	11.24	5.82	2.53	2.91	1.96	.83	1.14	.12	.10	.021	506	42	18	6.0	.70	.01	100.00
TCHD-17840	52.72	13.98	7.97	3.65	3.89	1.67	1.06	1.17	.16	.16	.027	663	64	22	13.5	2.33	<.01	100.04
TCHD-17830	65.63	10.91	5.96	3.03	3.98	2.16	.58	1.36	.05	.12	.026	391	45	21	6.0	.79	<.01	99.86
TCHD-17832	63.41	10.96	6.50	4.14	6.15	2.38	.46	1.58	.11	.15	.029	545	56	32	4.0	.83	.03	99.94
TCHD-17834	63.44	10.90	6.23	4.20	5.91	2.50	.47	1.45	.13	.13	.031	564	58	30	4.7	.26	<.01	100.17
TCHD-17822	67.25	11.13	5.84	2.55	2.88	1.83	.88	1.14	.10	.10	.017	511	41	18	6.2	.59	.01	99.98
TCHD-17826	64.57	11.29	6.88	3.04	3.67	1.99	.79	1.25	.12	.13	.022	394	38	25	6.3	.29	<.01	100.10
TCHD-17838	64.15	11.14	6.16	3.55	4.26	1.99	.77	1.32	.12	.14	.029	788	57	24	6.3	.63	.01	100.03
TCHD-17837	63.09	13.10	7.30	3.14	3.07	1.89	1.30	1.18	.11	.13	.021	866	44	23	5.4	.22	<.01	99.84
TCHD-17829	57.83	13.06	8.58	3.77	4.21	1.94	.79	1.49	.09	.15	.025	364	50	30	7.9	.49	.02	99.89
TCHD-17833	53.27	18.55	8.80	2.33	3.97	3.02	1.11	1.37	.13	.14	.011	342	<20	23	7.2	.68	.04	99.94
TCHD-17836	59.16	12.99	7.66	3.44	3.48	1.84	1.12	1.20	.10	.14	.021	883	63	23	8.7	1.04	.05	99.96
TCHD-17824	52.92	14.13	9.39	4.81	5.08	1.96	.93	1.31	.15	.19	.031	424	73	32	9.1	.66	<.01	100.06
TCHD-17835	58.31	12.69	7.37	3.87	4.42	1.82	.94	1.23	.13	.15	.024	663	58	23	8.9	1.15	<.01	99.94
TCHD-17827	67.53	11.48	5.95	2.27	2.57	1.87	1.24	1.13	.12	.16	.018	534	33	19	5.4	.19	<.01	99.80
PPD-17859	62.05	12.48	7.69	2.36	3.37	1.97	1.08	1.43	.50	.23	.026	1503	73	23	6.6	.37	<.01	99.97
PPD-17856	63.31	12.23	7.12	3.76	4.03	1.91	1.02	1.32	.05	.13	.026	934	60	25	5.0	.23	<.01	100.02
PPD-17858	64.11	11.56	7.05	3.58	4.18	1.82	.99	1.32	.11	.14	.025	863	51	27	4.9	.20	<.01	99.89
PPD-17860	62.19	11.55	7.30	3.14	3.36	1.47	.89	1.20	.24	.15	.024	1251	47	23	8.2	1.19	<.01	99.86
PPD-17857	57.95	8.78	6.98	1.80	1.58	1.18	.70	1.03	.17	.07	.018	2186	59	13	19.5	5.39	.01	100.01
RE PPD-17847	65.34	10.99	6.12	3.36	4.67	2.10	.55	1.31	.12	.13	.025	406	43	25	5.1	.34	.01	99.87
LAMD-17847	65.36	10.94	6.18	3.34	4.65	2.12	.58	1.31	.11	.13	.023	410	46	25	5.1	.34	<.01	99.90
LAMD-17849	64.39	10.40	5.70	3.48	4.44	2.00	.56	1.28	.11	.13	.028	868	43	25	7.3	1.13	<.01	99.92
LAMD-17852	60.38	10.78	6.98	3.70	3.77	1.65	.67	1.21	.19	.15	.030	495	78	24	10.4	1.79	<.01	99.98
LAMD-17842	55.11	11.70	7.75	3.37	3.52	1.77	.58	1.32	.17	.13	.025	652	55	23	14.4	3.30	.03	99.93
LAMD-17850	59.67	11.12	6.11	2.99	3.73	1.84	.69	1.22	.09	.09	.024	654	50	22	12.1	2.56	.02	99.76
LAMD-17848	66.11	10.24	5.98	3.48	4.54	2.04	.58	1.28	.06	.13	.024	587	46	24	5.2	.57	.01	99.74
LAMD-17844	65.30	12.32	6.35	3.09	3.31	2.02	1.17	1.23	.11	.11	.022	727	45	21	4.8	.19	.01	99.92
LAMD-17846	60.26	11.53	6.73	3.61	3.83	1.67	.62	1.22	.09	.18	.025	961	59	25	10.2	1.73	.02	100.08
LAMD-17855	55.20	12.10	7.00	1.89	1.69	1.28	1.36	.87	.24	.11	.018	537	46	28	18.0	3.44	.01	99.83
LAMD-17851	40.67	11.11	6.86	2.79	2.84	1.14	.30	.93	.24	.07	.025	408	61	20	33.1	8.81	.06	100.13
LAMD-17854	61.65	11.58	7.39	4.35	5.04	2.06	.52	1.31	.04	.14	.024	455	49	28	5.8	.23	<.01	99.96
STANDARD SO-15/CSB	49.69	12.43	7.27	7.24	5.88	2.40	1.87	1.74	2.70	1.41	1.064	1917	73	12	5.9	2.39	5.33	99.82

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
LAMD-17843	60.48	10.93	6.99	2.86	3.18	1.73	.76	1.21	.18	.11	.027	848	68	22	11.5	2.32	<.01	100.06
LAMD-17845	63.76	11.44	6.96	3.32	4.25	2.12	.70	1.26	.15	.12	.025	487	58	27	6.0	.25	.02	100.17
LAMD-17841	55.17	11.62	7.72	3.26	3.42	1.68	.61	1.27	.14	.12	.023	601	61	23	14.9	3.66	.01	100.01
LAMD-17853	61.43	10.51	6.74	4.11	5.89	1.70	.95	1.03	.09	.12	.023	568	88	22	7.2	.78	.01	99.87
RE LAMD-17853	61.73	10.53	6.68	4.13	5.91	1.59	1.02	1.04	.10	.12	.024	563	61	21	7.1	.79	<.01	100.05

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002201R Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
GSMD-17887	19.4	1.0	10.0	6.0	6.3	15.4	<1	92.3	.6	3.2	.6	1.2	139	<1	247.4	28.1	15.9	38.2	4.24	18.1	4.3	1.26	4.53	.80	5.27	1.09	3.10	.42	2.75	.37
GSMD-17801	15.2	1.1	11.5	7.7	8.4	26.5	<1	108.3	1.2	5.9	.3	1.6	138	<1	306.2	28.3	24.6	54.3	6.11	25.0	5.4	1.43	4.77	.78	4.87	1.04	2.97	.43	3.16	.42
GSMD-17820	29.7	1.9	15.6	4.9	6.9	24.8	1	124.3	.6	3.4	.5	1.0	226	5	190.2	39.1	17.6	38.7	4.97	22.3	5.4	1.68	6.04	1.00	6.63	1.40	4.21	.60	3.95	.58
GSMD-17808	29.3	2.4	14.6	4.2	5.0	19.1	<1	139.0	.4	2.3	.6	.6	203	2	164.9	31.3	12.1	28.4	3.61	16.2	4.0	1.31	4.61	.82	4.94	1.14	3.16	.47	3.10	.46
GSMD-17888	16.5	1.7	12.1	6.1	8.4	36.5	<1	168.9	.8	5.7	.7	1.5	125	<1	241.1	28.6	25.1	52.4	6.13	25.0	5.1	1.32	4.77	.74	4.80	1.01	2.88	.44	2.95	.42
GSMD-17803	19.1	1.9	14.7	5.5	8.9	38.7	1	134.4	.8	5.8	.5	1.5	174	1	237.2	32.7	25.4	53.5	6.43	26.4	5.5	1.46	5.34	.89	5.40	1.17	3.27	.48	3.25	.47
GSMD-17724	24.4	1.0	14.2	5.5	7.8	22.3	2	143.6	.8	3.5	.8	1.3	213	1	223.7	35.7	17.8	41.9	4.81	20.6	4.9	1.46	5.34	.92	5.80	1.31	3.58	.56	3.62	.52
GSMD-17895	18.6	2.0	13.4	6.9	8.6	33.4	1	114.3	.8	5.7	.6	1.7	170	1	278.5	36.6	26.4	55.2	6.77	28.3	6.2	1.65	6.01	.98	6.06	1.32	3.65	.52	3.48	.54
GSMD-17813	19.7	1.6	14.3	5.6	9.3	35.3	2	135.7	.9	5.1	1.2	1.5	179	1	224.9	32.5	23.6	54.2	6.05	24.3	5.3	1.41	5.04	.85	5.28	1.15	3.43	.50	3.21	.45
GSMD-17721	23.8	2.4	15.5	5.4	11.4	51.4	2	122.9	1.0	6.3	.9	2.5	177	2	216.1	32.4	28.1	57.1	6.99	28.4	6.1	1.50	5.80	.94	5.65	1.18	3.37	.47	3.07	.44
GSMD-17737	21.1	1.8	13.8	7.4	10.5	42.4	1	186.6	1.0	6.7	.6	1.9	151	1	295.5	32.1	29.8	62.8	7.42	29.8	6.1	1.46	5.29	.87	5.33	1.19	3.29	.49	3.29	.47
GSMD-17819	42.2	3.4	18.1	4.0	5.5	23.6	2	93.5	.5	2.2	.8	.7	253	1	154.6	31.7	12.6	35.7	3.97	18.0	4.5	1.41	4.74	.87	5.37	1.14	3.29	.48	3.20	.48
GSMD-17727	18.9	2.6	17.5	6.1	10.4	57.8	2	149.5	1.0	7.4	.6	2.0	182	1	249.4	32.3	30.0	61.2	7.47	30.9	6.0	1.53	5.72	.94	5.77	1.19	3.31	.49	3.22	.45
GSMD-17814	22.0	1.9	15.7	6.1	10.1	41.4	1	153.3	.9	6.1	.5	1.7	190	2	240.3	33.8	27.5	59.0	7.00	28.5	6.0	1.60	5.87	.92	5.91	1.25	3.59	.50	3.24	.46
GSMD-17897	18.4	1.2	12.5	5.8	7.9	26.1	1	122.0	.8	4.3	.4	1.3	171	<1	236.7	33.0	21.3	45.3	5.55	23.3	5.2	1.47	5.14	.91	5.54	1.19	3.28	.47	3.30	.46
GSMD-17802	16.5	1.1	11.3	7.1	7.7	25.4	<1	105.2	.7	5.0	.6	1.5	144	<1	290.3	27.9	22.5	48.8	5.67	23.0	4.6	1.26	4.53	.75	4.73	1.01	2.93	.42	3.01	.43
GSMD-17898	26.8	2.0	15.8	3.7	6.9	43.7	1	101.3	.6	3.8	.6	1.1	188	<1	141.7	27.1	15.5	39.9	4.29	18.3	4.3	1.22	4.24	.76	4.64	1.00	2.86	.40	2.71	.37
RE GSMD-17898	28.7	2.1	17.0	4.0	7.4	47.0	1	108.2	.7	4.2	.5	1.2	201	<1	150.7	28.5	16.5	43.0	4.54	19.6	4.4	1.34	4.60	.78	5.04	1.10	3.01	.43	2.94	.41
GSMD-17815	24.3	2.2	15.9	5.0	9.2	43.8	1	138.7	.8	5.4	.5	1.4	189	1	198.5	31.5	26.1	56.3	6.50	26.7	5.5	1.46	5.53	.88	5.36	1.15	3.27	.46	3.20	.43
GSMD-17896	21.8	1.4	12.5	6.0	7.6	25.2	1	127.5	.7	4.2	.5	1.3	179	<1	236.7	28.0	19.1	44.3	5.02	20.5	4.5	1.24	4.25	.75	4.82	1.04	3.04	.42	3.02	.41
GSMD-17733	18.1	2.3	22.3	5.6	7.2	38.8	2	331.5	.6	4.8	.4	1.5	191	<1	232.6	31.2	19.8	48.6	5.72	24.4	5.5	1.72	4.96	.83	5.16	1.11	3.23	.46	3.36	.48
GSMD-17804	18.6	1.8	13.5	5.7	7.8	28.8	1	113.4	.7	4.2	.4	1.3	171	1	222.7	27.0	20.8	46.4	5.27	21.5	4.6	1.23	4.39	.73	4.52	.99	2.89	.40	2.81	.39
GSMD-17891	23.8	1.1	11.7	5.5	6.2	17.9	1	101.7	.6	3.1	.4	1.1	181	<1	215.7	29.1	16.2	40.8	4.38	19.0	4.4	1.35	4.72	.78	4.93	1.07	3.15	.48	3.11	.45
GSMD-17809	24.9	1.4	13.6	7.9	7.9	18.5	1	121.2	.8	3.9	.5	1.7	208	1	323.8	34.7	22.0	48.6	5.79	24.0	5.2	1.52	4.96	.89	5.58	1.22	3.65	.52	3.67	.53
GSMD-17728	13.9	2.1	14.6	9.2	16.0	73.8	2	115.6	1.5	10.4	.4	2.6	126	2	370.7	32.2	41.4	92.7	10.04	38.2	7.3	1.46	5.63	.90	5.46	1.14	3.31	.47	3.34	.45
GSMD-17739	21.8	2.7	16.3	5.5	8.5	46.5	1	117.1	.8	5.9	.4	1.5	185	3	214.1	30.6	23.2	49.2	5.88	24.4	4.9	1.32	4.73	.78	5.02	1.09	3.13	.45	3.15	.45
GSMD-17734	22.8	1.4	15.4	4.9	7.5	23.4	1	161.2	.7	3.3	.4	1.1	197	2	192.6	26.5	16.2	36.7	4.37	18.5	4.1	1.26	4.14	.73	4.67	.95	2.80	.42	2.72	.40
GSMD-17889	23.1	1.3	13.3	4.5	5.6	21.5	1	110.9	.5	3.3	.4	.9	189	2	185.5	31.1	16.6	35.9	4.47	19.1	4.5	1.30	4.54	.75	4.91	1.12	3.24	.46	3.07	.46
GSMD-17900	21.5	1.4	14.1	5.1	7.9	29.2	1	136.0	.8	4.4	.4	1.7	174	3	194.8	28.6	21.9	45.2	5.54	22.5	4.8	1.24	4.74	.73	4.50	1.02	2.95	.45	2.86	.42
GSMD-17805	26.8	1.8	14.9	5.7	7.0	28.5	1	124.8	.7	4.3	.4	1.2	219	3	216.7	33.6	19.2	46.0	5.19	22.0	5.0	1.39	5.21	.84	5.40	1.21	3.54	.50	3.44	.50
GSMD-17736	26.7	2.7	17.0	6.0	10.4	65.2	2	160.2	1.0	7.9	.5	1.9	166	3	230.5	32.0	29.9	63.1	7.49	30.1	6.1	1.44	5.56	.89	5.40	1.13	3.31	.44	3.08	.44
GSMD-17726	20.2	1.5	12.9	6.3	9.9	38.5	1	123.0	1.0	5.7	.5	1.6	180	4	245.1	33.5	25.4	53.3	6.73	28.1	6.0	1.48	5.59	.94	5.63	1.23	3.42	.47	3.24	.45
GSMD-17883	16.6	1.7	12.5	7.6	9.4	34.5	1	97.1	1.0	6.2	.5	2.0	132	3	303.7	26.9	27.7	59.4	6.69	26.1	5.1	1.25	4.29	.74	4.74	.98	2.81	.42	2.80	.41
STANDARD SO-15	21.2	2.6	16.5	25.9	32.2	65.2	16	391.0	1.8	22.3	1.1	20.0	150	19	1035.9	24.3	28.4	57.7	6.16	24.0	4.5	1.02	3.88	.60	3.67	.80	2.51	.37	2.59	.40

GROUP 4B - REE - LiBO2 FUSION, ICP/MS FINISHED.
- SAMPLE TYPE: -230 TILL
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 31 2000 DATE REPORT MAILED: Aug 24/00 SIGNED BY: C. [illegible] D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 FILE # A002201R Page 2 (a)

ACME ANALYTICAL

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
GSMD-17890	23.0	3.9	14.0	5.0	8.0	30.3	2	101.9	.7	5.5	.6	1.3	195	<1	194.4	25.3	19.8	67.0	4.66	18.4	4.3	1.25	4.12	.69	4.41	.99	2.81	.46	2.90	.39
GSMD-17729	13.2	3.4	17.4	9.0	17.1	97.4	3	96.7	1.4	12.6	.5	2.9	111	2	372.6	34.5	57.7	111.6	12.20	46.3	8.6	1.71	6.89	1.02	6.20	1.31	3.61	.56	3.47	.49
GSMD-17893	20.3	2.7	13.6	5.7	8.5	46.3	1	135.9	.7	5.9	.4	1.6	160	<1	224.0	28.2	27.2	52.0	6.19	24.0	4.9	1.19	4.84	.73	4.78	1.04	3.00	.46	2.80	.40
GSMD-17881	22.3	2.7	15.2	3.9	8.6	45.6	2	116.6	.7	4.7	.3	1.3	184	1	153.1	25.3	23.2	47.7	5.44	21.2	4.7	1.21	4.25	.70	4.45	.96	2.60	.41	2.64	.38
GSMD-17806	11.5	1.1	10.3	7.1	8.5	27.3	1	123.5	.7	5.6	.5	1.6	126	<1	292.5	29.7	29.2	54.9	6.60	25.8	5.4	1.34	4.77	.76	5.08	1.09	3.07	.48	2.99	.43
GSMD-17816	26.1	1.7	14.5	5.5	7.8	26.1	1	153.2	.6	4.1	.3	1.2	228	<1	223.9	36.1	22.8	44.7	5.65	24.4	5.4	1.62	5.74	.94	6.00	1.38	3.80	.58	3.81	.53
GSMD-17882	25.3	3.4	17.1	4.2	9.3	49.0	3	128.1	.7	5.0	.6	1.4	198	1	165.1	28.5	24.1	48.5	5.57	22.4	5.2	1.31	4.70	.76	4.95	1.09	3.09	.46	3.00	.42
GSMD-17892	14.2	2.1	14.1	7.0	10.3	39.7	2	120.8	.9	6.3	.5	1.9	152	1	286.9	27.7	32.5	63.1	7.17	27.4	5.4	1.33	4.59	.72	4.87	1.04	2.93	.47	2.94	.41
GSMD-17740	15.2	2.7	10.5	8.2	8.8	27.0	1	125.5	.8	5.6	.3	1.8	148	<1	339.1	29.9	27.9	58.5	6.47	25.4	5.4	1.36	4.98	.79	5.20	1.14	3.13	.49	3.13	.46
GSMD-17725	21.7	1.5	11.0	7.0	11.0	31.1	3	113.2	1.1	5.8	.5	1.8	170	1	291.3	29.7	27.7	61.2	6.40	25.6	5.7	1.37	5.39	.87	5.34	1.14	3.09	.49	2.97	.42
[illegible]-17807	13.6	1.4	10.9	6.9	8.2	28.2	2	125.4	.7	5.4	.4	1.6	133	<1	282.1	29.7	26.3	49.2	5.92	24.5	5.1	1.37	4.95	.73	4.90	1.12	3.16	.46	3.12	.46
[illegible]-17885	44.3	1.0	18.0	2.6	2.1	4.0	3	74.4	.2	.7	.6	.3	251	<1	99.5	26.5	5.7	26.6	2.11	10.5	3.3	1.17	4.20	.73	4.83	1.08	3.07	.47	3.05	.41
GSMD-17722	22.3	2.8	14.0	5.0	10.9	47.6	3	125.0	.9	6.0	.6	2.4	174	1	205.1	29.6	29.7	55.5	6.88	27.9	5.9	1.49	5.62	.87	5.51	1.11	3.11	.47	2.91	.41
GSMD-17817	23.6	1.5	11.7	7.5	7.6	18.0	4	129.4	.7	4.0	.4	1.4	196	<1	301.4	33.3	21.7	46.3	5.23	22.2	5.3	1.47	5.51	.83	5.73	1.27	3.48	.56	3.48	.50
GSMD-17894	17.3	1.7	11.1	6.2	7.5	23.4	2	130.7	.6	4.2	.3	1.4	158	<1	251.6	30.5	21.8	43.8	5.36	22.3	4.9	1.31	5.09	.78	5.00	1.13	3.16	.52	3.14	.48
GSMD-17884	17.8	2.2	14.5	7.0	10.5	38.0	2	117.1	.9	6.3	.6	2.0	161	<1	288.6	27.7	31.0	60.8	6.86	27.0	5.3	1.30	4.80	.73	5.03	1.02	2.97	.48	2.97	.44
GSMD-17723	18.2	1.6	12.7	6.3	11.7	41.8	2	122.8	1.0	6.3	.6	1.8	169	1	259.0	28.3	28.4	60.3	6.53	27.0	5.8	1.26	5.09	.79	5.21	1.09	3.04	.48	2.98	.41
GSMD-17735	19.4	2.8	15.0	8.7	12.9	55.7	2	143.2	1.1	8.6	.5	2.4	156	3	349.9	32.2	42.0	83.2	9.26	36.4	7.4	1.57	6.26	.91	5.81	1.23	3.35	.52	3.35	.47
GSMD-17811	21.5	2.5	13.4	5.7	9.1	36.0	1	131.0	.7	5.7	.5	1.6	176	1	233.3	28.5	27.7	75.0	6.26	25.6	5.5	1.29	4.95	.78	5.21	1.11	3.04	.47	3.15	.43
GSMD-17738	15.1	1.3	10.0	7.7	9.4	25.4	1	162.9	.8	5.7	.5	1.8	144	1	324.5	30.9	32.2	61.5	7.29	29.8	6.1	1.53	5.58	.84	5.49	1.20	3.19	.49	3.25	.44
RE GSMD-17738	14.8	1.4	9.9	8.2	9.6	21.7	1	162.4	.8	5.4	.3	1.8	144	1	334.7	30.9	30.7	58.6	6.95	28.7	6.2	1.52	5.60	.82	5.51	1.18	3.29	.51	3.32	.46
GSMD-17818	18.9	2.5	13.3	6.5	9.1	32.6	1	125.3	.8	5.3	.4	1.6	172	<1	269.9	29.6	27.1	54.6	6.25	26.2	5.7	1.41	5.04	.76	5.38	1.14	3.11	.48	3.18	.45
GSMD-17886	24.8	3.2	15.9	6.3	12.2	62.1	2	100.4	1.0	7.5	.4	2.1	146	2	255.2	28.1	36.3	75.7	7.69	30.3	6.0	1.17	4.77	.74	5.02	1.06	2.96	.48	2.99	.41
GSMD-17731	22.7	3.0	14.8	7.1	12.1	50.1	2	138.7	1.0	8.0	.5	2.2	178	2	288.8	32.9	37.2	83.3	8.42	34.0	7.1	1.51	6.26	.91	6.09	1.29	3.56	.53	3.40	.48
GSMD-17899	13.2	2.1	14.2	5.8	6.9	55.7	6	327.7	.5	4.4	.5	1.9	61	<1	238.3	15.1	20.8	40.6	4.68	19.7	3.9	.96	3.19	.42	2.59	.55	1.54	.24	1.53	.23
GSMD-17812	18.4	1.3	12.3	7.2	9.3	26.1	1	148.3	.7	5.4	.4	1.7	174	2	287.6	32.2	28.7	55.8	6.62	28.5	6.0	1.48	5.68	.83	5.79	1.21	3.41	.53	3.43	.47
GSMD-17732	15.1	2.1	14.2	7.3	13.3	56.9	2	144.9	1.1	8.8	.4	2.3	133	1	295.9	33.5	43.9	82.6	9.47	39.9	7.9	1.69	6.71	.98	6.25	1.25	3.46	.54	3.36	.46
GSMD-17810	20.3	5.2	16.7	5.9	10.8	33.3	2	125.1	.9	5.3	.5	1.7	207	2	245.7	26.6	25.8	51.6	5.78	24.6	5.0	1.26	4.52	.68	4.84	1.02	2.94	.45	2.99	.42
GSMD-17730	15.2	1.6	12.5	9.1	13.6	42.6	2	150.0	1.1	8.5	.4	2.2	142	2	377.7	32.7	40.8	87.8	8.99	37.1	7.6	1.52	6.31	.93	6.10	1.20	3.36	.53	3.36	.45
[illegible]-17828	19.1	2.4	13.9	7.4	10.5	35.6	2	166.0	.9	7.4	.3	2.0	158	<1	301.5	32.1	36.9	71.6	8.23	34.3	7.1	1.62	6.30	.90	6.00	1.22	3.42	.52	3.38	.48
TCHD-17823	16.6	1.6	12.8	6.8	9.3	32.5	2	116.1	.8	5.8	.3	1.7	150	<1	277.7	27.8	28.5	57.6	6.46	26.6	5.6	1.24	5.05	.73	5.31	1.08	2.98	.48	3.02	.38
TCHD-17825	25.4	1.5	13.8	6.6	7.9	26.9	2	171.0	.7	4.9	.4	1.4	189	<1	275.5	31.6	25.1	50.2	5.97	25.5	5.5	1.40	5.39	.80	5.43	1.17	3.34	.52	3.11	.46
TCHD-17839	36.5	2.3	18.1	3.1	7.6	46.1	3	112.7	.6	3.9	.4	1.1	213	1	124.2	26.2	18.0	37.9	4.43	20.1	4.6	1.23	4.76	.70	4.99	1.03	2.72	.44	2.63	.37
STANDARD SO-15	21.3	3.0	16.2	26.0	32.5	64.6	19	402.8	1.7	21.6	.8	20.1	153	20	1070.6	22.9	29.5	55.7	6.06	23.3	4.4	1.05	3.84	.57	3.74	.80	2.41	.37	2.58	.39

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
TCHD-17831	21.7	1.4	13.7	6.0	7.8	22.9	1	130.5	.7	3.9	.7	1.4	194	<1	241.2	31.8	21.5	45.9	5.33	21.9	5.1	1.42	5.44	.85	5.79	1.20	3.53	.50	3.26	.46
TCHD-17821	17.6	1.6	12.8	6.3	8.4	31.2	1	108.6	.7	5.4	.3	1.5	145	<1	253.0	25.6	25.9	52.8	5.94	22.7	4.9	1.19	4.71	.69	4.54	.95	2.76	.39	2.78	.39
TCHD-17840	37.0	2.2	17.1	3.3	7.3	40.1	2	110.3	.6	3.9	.4	1.1	196	<1	131.8	25.0	18.1	39.0	4.49	18.2	4.3	1.22	4.31	.69	4.69	.93	2.75	.39	2.43	.36
TCHD-17830	20.7	1.6	12.5	6.4	8.0	22.7	1	129.4	.7	4.0	.6	1.5	169	1	264.0	27.3	23.2	49.0	5.53	21.5	4.6	1.31	4.53	.70	4.74	1.00	2.99	.42	2.84	.42
TCHD-17832	24.8	.9	12.5	7.0	7.1	14.1	1	144.3	.6	3.1	.5	1.2	234	<1	275.4	37.0	19.3	41.7	5.11	21.8	5.2	1.65	6.32	.98	6.46	1.34	3.87	.55	3.64	.53
TCHD-17834	23.6	1.0	12.6	4.9	6.5	14.9	1	137.9	.6	2.7	.4	1.0	218	<1	192.5	31.8	17.5	38.7	4.51	19.1	4.9	1.45	5.38	.86	5.85	1.20	3.50	.49	3.14	.45
TCHD-17822	18.6	1.7	13.4	6.9	8.8	32.8	2	113.0	.8	5.6	.7	1.8	155	2	272.6	27.0	27.0	54.6	6.08	23.1	4.9	1.31	4.67	.74	4.74	1.03	2.88	.44	2.85	.42
TCHD-17826	22.8	1.8	14.2	6.6	7.8	28.0	1	126.8	.7	4.8	.5	1.6	182	1	265.0	33.6	25.5	51.5	6.21	25.0	5.9	1.59	5.78	.88	5.58	1.24	3.70	.51	3.22	.51
TCHD-17838	24.8	1.8	14.1	6.3	7.9	26.0	2	122.0	.7	4.1	.9	1.4	194	1	256.1	31.2	23.1	50.2	5.67	22.2	5.3	1.39	5.32	.84	5.38	1.15	3.32	.49	3.06	.45
TCHD-17837	25.4	2.4	17.6	4.2	10.1	48.4	2	139.3	.9	5.2	.8	1.5	193	2	163.3	29.8	27.1	53.8	6.50	25.3	5.5	1.49	5.50	.80	5.32	1.10	3.20	.43	2.93	.42
[illegible]-17829	28.3	3.5	16.3	6.4	7.2	28.0	2	153.2	.6	3.8	.5	1.3	218	2	256.0	37.1	24.0	48.8	6.07	25.0	5.8	1.72	6.38	.99	6.58	1.42	3.98	.55	3.63	.54
TCHD-17833	19.8	2.7	22.9	5.4	7.5	39.4	2	344.2	.6	4.7	.7	1.5	186	<1	225.1	30.7	22.6	50.6	6.10	25.4	6.0	1.79	5.81	.83	5.32	1.14	3.30	.46	3.20	.45
TCHD-17836	28.2	2.7	16.6	3.9	9.6	43.8	2	132.0	.8	4.7	.7	1.3	186	1	156.6	30.2	24.2	55.1	5.71	22.9	5.0	1.36	5.12	.80	5.27	1.11	3.22	.44	3.08	.44
TCHD-17824	37.1	3.7	18.5	4.0	6.4	31.5	2	147.7	.5	2.9	.5	.9	256	<1	157.8	34.9	18.1	38.2	5.02	21.7	5.3	1.61	6.05	.98	6.34	1.30	3.85	.51	3.31	.52
TCHD-17835	30.7	1.9	15.9	5.1	8.4	33.5	1	127.2	.7	4.1	.5	1.3	203	<1	201.0	28.2	22.4	45.8	5.39	21.8	5.0	1.34	5.08	.78	5.14	1.10	3.13	.43	2.81	.41
TCHD-17827	17.8	2.3	15.5	6.5	11.3	48.6	2	128.3	.9	7.2	.6	2.2	140	<1	265.7	31.5	33.7	65.4	7.71	28.8	5.9	1.43	5.43	.82	5.33	1.13	3.14	.48	2.93	.44
PPD-17859	23.9	2.1	16.1	6.0	10.9	31.8	1	222.9	.9	4.5	.5	3.4	182	3	247.5	40.3	32.3	53.7	7.34	29.2	6.0	1.62	6.42	.97	6.16	1.30	3.86	.53	3.42	.52
PPD-17856	25.7	2.0	16.2	4.8	9.4	36.9	2	129.6	.7	4.5	.4	1.5	202	<1	194.8	30.9	25.6	50.3	6.11	24.2	5.4	1.54	5.50	.84	5.49	1.13	3.30	.45	2.99	.42
PPD-17858	25.2	1.9	14.7	5.5	9.3	34.3	2	133.5	.8	5.0	.4	1.5	189	1	218.5	36.2	28.1	51.7	6.64	26.8	6.0	1.65	6.30	.95	6.10	1.30	3.66	.52	3.37	.48
PPD-17860	25.8	1.6	14.4	5.3	7.4	30.5	1	116.8	.6	3.8	.4	1.9	184	<1	205.5	37.2	24.8	49.5	6.03	25.0	5.6	1.54	5.97	.91	6.03	1.31	3.83	.52	3.40	.50
PPD-17857	12.4	2.8	15.4	4.2	9.1	31.2	1	95.1	.8	4.2	.4	1.7	185	1	164.2	17.6	19.4	42.6	4.41	16.6	3.4	.79	3.06	.48	3.21	.68	2.04	.29	1.85	.31
RE PPD-17847	22.0	1.4	12.6	6.1	7.2	18.7	1	123.3	.6	4.0	.4	1.3	188	<1	243.6	29.9	21.9	49.4	5.33	21.0	4.8	1.38	5.24	.81	5.30	1.09	3.16	.47	2.97	.45
LAMD-17847	22.4	1.4	13.2	7.1	7.4	19.7	1	128.5	.6	3.7	.4	1.4	188	<1	286.3	30.9	20.8	47.4	5.23	20.7	4.8	1.44	5.19	.84	5.44	1.14	3.32	.47	3.07	.47
LAMD-17849	23.6	1.2	12.2	5.5	7.1	18.4	1	122.3	.6	3.1	.4	1.2	188	1	214.1	30.2	18.8	41.0	4.81	19.5	4.5	1.37	5.29	.78	5.44	1.12	3.23	.45	2.95	.42
LAMD-17852	25.4	1.8	13.4	7.5	7.8	24.9	1	109.1	.7	4.7	.4	1.7	151	1	298.6	37.4	24.9	66.0	6.34	25.3	5.8	1.69	6.17	.98	6.43	1.35	3.98	.57	3.87	.56
LAMD-17842	26.8	2.0	15.6	4.6	7.1	23.3	1	117.0	.6	3.1	.3	1.1	207	<1	181.0	29.9	19.0	38.4	4.84	19.4	4.6	1.42	5.15	.79	5.14	1.11	3.22	.47	3.07	.44
LAMD-17850	20.4	1.4	13.0	5.6	8.4	24.2	1	132.5	.7	4.3	.4	1.6	167	2	227.8	33.3	23.7	48.9	5.88	22.7	5.0	1.48	5.51	.87	5.72	1.21	3.35	.49	3.21	.43
LAMD-17848	22.7	1.3	12.2	6.1	7.6	18.5	1	125.0	.7	3.5	.3	1.3	184	2	241.6	31.0	21.3	49.8	5.21	20.8	4.7	1.36	5.21	.81	5.34	1.16	3.49	.46	3.06	.44
LAMD-17844	20.9	1.9	15.4	4.8	9.7	42.0	2	145.3	.8	5.5	.4	1.5	173	3	193.5	28.1	28.2	54.1	6.53	25.2	5.3	1.33	5.26	.75	4.83	1.03	2.91	.43	2.75	.40
[illegible]-17846	28.7	1.7	12.9	5.4	7.1	22.1	1	107.2	.6	3.4	.4	1.2	185	2	218.5	30.0	19.5	55.9	4.98	19.7	4.6	1.34	5.39	.82	5.29	1.12	3.36	.47	2.98	.43
LAMD-17855	21.0	4.4	15.2	7.7	11.3	49.2	2	113.0	1.0	9.5	.5	3.5	142	4	299.2	74.0	45.8	92.3	11.66	48.6	10.9	3.11	12.34	1.86	11.98	2.59	7.56	1.08	7.03	1.10
LAMD-17851	20.7	1.0	10.7	5.4	5.2	11.3	1	69.7	.5	3.0	.3	1.4	137	2	211.8	32.5	17.6	37.6	4.90	20.7	5.4	1.63	6.09	.96	6.12	1.28	3.53	.49	3.14	.43
LAMD-17854	26.0	1.5	13.5	4.9	5.9	17.0	1	109.1	.6	3.1	.5	1.0	198	3	188.1	26.7	16.8	36.2	4.35	17.4	4.2	1.25	4.48	.70	4.62	1.01	2.87	.43	2.79	.39
STANDARD SO-15	21.4	2.9	17.2	25.3	31.3	63.7	19	397.5	1.7	22.0	.8	20.6	152	21	1040.5	24.0	30.8	57.8	6.33	23.8	4.7	1.03	3.95	.61	3.72	.81	2.46	.35	2.58	.41

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA ___

ACME ANALYTICAL

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 FILE # A002201R Page 4 (a)

ACME ANALYTICAL

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
LAMD-17843	21.1	2.1	13.6	5.8	8.6	30.5	1	107.7	.8	4.1	.4	1.5	185	1	240.5	27.1	23.0	47.0	5.85	23.7	5.3	1.33	4.98	.76	4.92	1.10	3.20	.42	2.87	.43
LAMD-17845	19.6	1.5	12.3	5.1	7.0	22.6	2	128.8	.6	3.5	.2	1.1	188	<1	212.1	31.7	19.8	40.7	5.26	21.9	5.2	1.37	5.38	.83	5.41	1.25	3.49	.45	3.11	.53
LAMD-17841	25.8	2.0	15.4	5.0	7.2	22.9	1	114.0	.8	3.1	.3	1.2	218	<1	204.6	29.6	19.6	41.3	5.27	21.9	5.4	1.45	5.26	.86	5.56	1.21	3.34	.45	3.18	.44
LAMD-17853	22.2	2.5	13.9	5.4	7.6	36.3	1	156.6	.7	4.7	.3	1.3	169	<1	229.9	28.8	22.8	47.4	5.78	23.4	5.3	1.37	5.06	.78	5.03	1.11	3.16	.41	2.81	.47
RE LAMD-17853	23.6	2.6	14.5	5.7	7.9	36.3	4	158.4	.7	5.2	.3	1.4	181	<1	236.3	29.7	23.8	49.6	6.07	23.6	5.5	1.39	5.20	.82	5.31	1.17	3.31	.43	3.20	.49

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002201R Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
GSMD-17887	<.5	29	6	36	48	4	<.2	<1	<1
GSMD-17801	<.5	27	7	43	14	11	.2	2	1
GSMD-17820	<.5	72	6	66	86	12	<.2	2	1
GSMD-17808	<.5	62	4	68	66	55	<.2	4	1
GSMD-17888	<.5	38	8	54	46	3	<.2	<1	1
GSMD-17803	<.5	38	8	61	53	10	<.2	1	1
GSMD-17724	<.5	82	5	60	61	3	<.2	<1	<1
GSMD-17895	<.5	74	9	61	52	4	<.2	<1	1
GSMD-17813	.5	35	7	54	50	4	<.2	<1	<1
GSMD-17721	.6	72	10	80	89	5	.2	1	1
GSMD-17737	.5	44	9	70	74	6	<.2	2	1
GSMD-17819	<.5	100	5	86	73	12	.3	3	1
GSMD-17727	.6	53	13	92	58	7	<.2	1	2
GSMD-17814	.5	51	7	73	56	5	<.2	2	1
GSMD-17897	<.5	42	6	51	49	2	<.2	<1	<1
GSMD-17802	<.5	27	7	43	44	10	<.2	2	<1
GSMD-17898	<.5	80	8	87	75	5	<.2	2	1
RE GSMD-17898	<.5	81	8	88	77	7	<.2	2	1
GSMD-17815	<.5	56	7	76	62	5	<.2	2	1
GSMD-17896	<.5	38	5	54	53	4	<.2	2	<1
GSMD-17733	1.1	33	10	79	14	3	<.2	3	2
GSMD-17804	<.5	30	6	57	48	14	<.2	1	1
GSMD-17891	<.5	58	5	48	56	4	<.2	3	1
GSMD-17809	<.5	31	6	54	55	15	<.2	2	1
GSMD-17728	<.5	16	17	60	37	4	<.2	1	1
GSMD-17739	<.5	47	9	70	60	18	<.2	2	1
GSMD-17734	<.5	53	5	69	69	3	<.2	1	1
GSMD-17889	<.5	55	5	63	67	4	<.2	1	1
GSMD-17900	.6	67	7	89	66	4	<.2	1	2
GSMD-17805	<.5	45	5	57	57	14	<.2	3	2
GSMD-17736	.6	57	14	106	79	10	.4	1	1
GSMD-17726	<.5	55	9	68	59	8	<.2	1	1
GSMD-17883	<.5	19	9	65	45	5	<.2	<1	<1
STANDARD CT3	25.7	63	38	181	39	62	19.3	22	23
STANDARD G-2	1.8	4	19	51	7	<2	<.2	1	<1

GROUP 1EX - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: -230 TILL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 31 2000 DATE REPORT MAILED: Aug 26/00 SIGNED BY: ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
GSMD-17890	<.5	32	4	42	65	4	<.2	1	<1
GSMD-17729	<.5	21	19	68	36	5	<.2	<1	<1
GSMD-17893	<.5	59	10	82	55	6	<.2	<1	<1
GSMD-17881	.5	48	8	75	55	6	<.2	1	1
GSMD-17806	<.5	23	8	41	34	4	<.2	<1	<1
GSMD-17816	<.5	55	5	55	54	8	<.2	1	<1
GSMD-17882	.5	46	7	77	55	6	<.2	2	<1
GSMD-17892	<.5	23	8	72	36	4	<.2	<1	1
GSMD-17740	<.5	21	7	36	39	15	<.2	1	<1
GSMD-17725	<.5	74	11	78	65	7	<.2	<1	<1
GSMD-17807	<.5	29	7	49	40	7	<.2	1	1
GSMD-17885	<.5	112	<3	71	96	2	<.2	1	1
GSMD-17722	.6	72	10	79	82	7	<.2	1	1
GSMD-17817	<.5	37	5	43	53	8	<.2	<1	<1
GSMD-17894	<.5	49	6	47	41	6	<.2	<1	<1
GSMD-17884	<.5	17	8	72	44	4	<.2	<1	1
GSMD-17723	<.5	27	9	46	49	3	<.2	<1	1
GSMD-17735	<.5	29	12	64	52	7	<.2	1	<1
GSMD-17811	<.5	109	12	75	54	8	<.2	1	1
GSMD-17738	<.5	25	7	41	38	4	<.2	<1	1
RE GSMD-17738	<.5	25	6	38	37	5	<.2	<1	<1
GSMD-17818	<.5	37	7	55	52	5	<.2	<1	1
GSMD-17886	<.5	98	10	86	100	9	<.2	1	<1
GSMD-17731	<.5	42	13	69	60	25	<.2	1	1
GSMD-17899	.9	20	26	48	42	92	<.2	<1	<1
GSMD-17812	<.5	33	6	48	47	4	<.2	1	<1
GSMD-17732	<.5	26	12	54	45	6	<.2	<1	<1
GSMD-17810	.6	39	9	89	45	24	<.2	1	<1
GSMD-17730	<.5	20	10	44	42	5	<.2	<1	1
TCHD-17828	<.5	30	9	56	43	4	<.2	<1	1
TCHD-17823	<.5	19	7	49	38	6	<.2	<1	<1
TCHD-17825	<.5	34	6	56	50	4	<.2	1	1
TCHD-17839	<.5	62	6	85	70	7	.3	1	1
STANDARD CT3	26.4	64	36	184	39	61	19.9	23	23
STANDARD G-2	1.6	2	16	45	6	<2	<.2	<1	<1

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
TCHD-17831	<.5	37	12	84	57	5	.2	<1	3
TCHD-17821	<.5	28	8	57	48	9	.2	1	1
TCHD-17840	<.5	51	7	85	69	7	.2	1	2
TCHD-17830	<.5	16	7	55	47	12	<.2	<1	2
TCHD-17832	<.5	47	7	59	60	6	.2	2	3
TCHD-17834	<.5	368	6	56	58	6	.2	2	2
TCHD-17822	<.5	29	8	56	49	7	<.2	<1	<1
TCHD-17826	<.5	35	8	65	54	8	<.2	1	2
TCHD-17838	<.5	47	7	60	61	7	<.2	2	2
TCHD-17837	.5	61	8	86	60	7	<.2	1	1
TCHD-17829	<.5	45	6	72	62	17	.3	3	3
TCHD-17833	1.4	25	9	85	14	3	<.2	2	2
TCHD-17836	<.5	48	8	85	72	7	<.2	2	2
TCHD-17824	<.5	73	4	86	76	3	.2	1	2
TCHD-17835	<.5	59	6	75	69	5	.2	2	1
TCHD-17827	<.5	21	9	59	46	5	<.2	<1	1
PPD-17859	2.0	67	8	210	86	5	1.8	<1	2
PPD-17856	<.5	59	6	72	65	4	<.2	<1	1
PPD-17858	<.5	64	8	75	64	5	<.2	1	1
PPD-17860	.5	69	8	92	69	4	.3	<1	1
PPD-17857	.7	30	8	72	37	6	.3	<1	1
RE PPD-17847	<.5	43	6	58	56	6	<.2	1	1
LAMD-17847	<.5	44	9	61	55	5	<.2	1	1
LAMD-17849	<.5	31	6	53	58	5	<.2	1	1
LAMD-17852	<.5	41	7	59	103	3	<.2	1	1
LAMD-17842	<.5	49	6	84	68	9	.4	2	2
LAMD-17850	<.5	29	7	54	57	6	<.2	<1	2
LAMD-17848	<.5	49	6	54	54	6	<.2	2	1
LAMD-17844	.5	37	8	71	53	5	<.2	<1	1
LAMD-17846	<.5	63	6	63	71	10	<.2	2	1
LAMD-17855	.7	63	14	69	57	31	<.2	2	<1
LAMD-17851	<.5	39	5	45	82	4	<.2	<1	1
LAMD-17854	<.5	49	4	62	71	4	.2	2	1
STANDARD CT3	27.2	63	40	185	38	61	20.3	23	23
STANDARD G-2	1.9	1	19	56	7	<2	<.2	1	<1

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
LAMD-17843	<.5	28	7	92	53	7	<.2	1	<1
LAMD-17845	<.5	52	6	63	59	8	<.2	3	1
LAMD-17841	<.5	51	5	76	67	10	<.2	1	1
LAMD-17853	<.5	52	9	71	60	6	<.2	<1	<1
RE LAMD-17853	<.5	52	8	71	62	7	<.2	1	<1

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002202 Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
NWRR-10173	.56	53.66	.50	66.4	29	74.2	31.4	1150	5.78	.8	<.1	1.8	.1	30.1	.11	.25	.02	203	2.24	.058	1.8	135.8	2.88	129.4	.443	9	3.32	.105	.10	.3	<.02	47	.1	<.02	10.6
NWRR-10181	.31	54.03	.53	68.2	35	50.3	33.7	1439	6.59	2.9	<.1	5.6	.2	28.4	.11	.36	<.02	215	4.95	.083	2.3	86.6	2.03	43.3	.004	8	.88	.005	.05	<.2	<.02	27	.2	.02	3.8
NWRR-10197	.46	48.07	.31	41.2	19	71.1	26.4	765	4.31	.2	<.1	<.2	.1	7.7	.02	.11	<.02	170	1.88	.057	1.8	60.8	2.65	950.6	.260	10	3.14	.029	.01	.4	<.02	<5	<.1	<.02	10.9
NWRR-10176	1.02	27.94	2.20	40.2	11	26.7	9.5	223	1.03	3.8	.4	3.2	2.0	48.1	.01	.11	.04	14	.53	.028	3.7	24.8	.38	111.7	.168	4	.74	.012	.11	3.1	.02	11	<.1	.05	2.6
NWRR-10164	.93	26.20	.67	47.1	28	36.1	11.8	637	3.44	.7	<.1	1.2	.1	27.3	.02	.52	.02	113	.90	.076	1.9	128.7	2.18	166.5	.582	5	1.81	.030	.07	.7	<.02	20	.8	.03	4.8
NWRR-10180	.43	63.07	1.57	53.3	44	57.3	23.5	911	4.26	.5	<.1	4.3	.1	8.0	.12	.20	.03	105	1.10	.058	2.5	17.5	2.16	69.5	.375	8	2.54	.059	.04	.2	<.02	7	.1	<.02	9.7
NWRR-10172	.53	48.11	.69	64.1	20	58.5	28.9	1180	5.92	5.8	<.1	.8	.1	18.7	.07	.18	<.02	202	2.12	.054	1.2	91.7	3.11	35.8	.503	10	3.83	.079	.04	.6	<.02	<5	<.1	<.02	11.6
NWRR-10161	1.40	158.79	1.11	20.1	196	29.3	21.5	850	3.01	54.1	<.1	3.1	.1	120.8	.08	.23	.02	32	4.50	.058	1.7	33.4	1.40	68.3	.004	<1	.49	.024	.06	3.0	.02	<5	.9	.03	1.5
NWRR-10195	.29	6.82	.49	41.1	11	13.0	21.2	706	4.83	.4	<.1	.8	.1	11.6	.03	.03	.02	144	1.65	.080	3.9	3.2	1.33	9.3	.376	3	2.50	.056	.02	.3	<.02	<5	<.1	<.02	10.1
NWRR-10178	.22	165.21	2.11	97.1	49	157.0	36.8	926	5.78	2.1	<.1	.8	1.3	28.5	.04	.18	.05	77	1.64	.055	7.7	404.4	2.60	480.5	.083	4	3.39	.006	.19	.3	.02	7	<.1	<.02	7.8
NWRR-10186	.60	59.31	.70	140.1	25	53.6	23.3	689	4.78	.6	<.1	<.2	.1	15.1	.14	.14	<.02	119	1.03	.075	3.1	14.5	2.31	8.4	.351	<1	2.51	.138	.02	.3	<.02	22	.1	<.02	9.4
NWRR-10174	.53	65.07	3.84	43.4	104	22.3	3.4	249	1.70	1.7	.5	<.2	3.5	8.5	.09	.38	.16	17	.03	.012	16.2	20.2	.53	749.8	.002	4	.97	.005	.16	.5	.03	41	.3	.03	3.1
NWRR-10184	5.46	11.18	7.46	33.5	247	6.2	.7	36	.59	8.7	.4	<.2	2.5	5.2	.08	1.60	.06	13	.03	.023	9.2	20.0	.03	196.0	.002	3	.19	.004	.14	5.2	.06	64	2.0	.02	.5
NWRR-10198	.77	52.36	.50	64.1	21	55.8	21.0	405	3.46	.4	<.1	3.0	.1	15.5	.08	.03	.02	84	1.03	.062	2.4	25.6	1.21	13.2	.326	2	1.94	.086	.02	.6	<.02	20	.3	.05	7.6
NWRR-10191	.58	32.72	.41	52.8	18	47.8	24.8	765	4.62	.7	<.1	2.7	.1	16.4	.02	.13	<.02	130	1.80	.055	1.9	27.2	1.81	30.7	.384	2	3.16	.041	.04	.7	<.02	10	.1	.03	8.1
NWRR-10196	.81	6.23	25.45	55.4	51	4.5	2.3	164	1.00	.2	2.0	2.7	13.2	13.4	.17	.07	.29	3	.28	.069	34.7	8.5	.06	91.6	.008	2	.36	.030	.24	1.2	.05	13	<.1	.03	1.8
NWRR-10171	.74	115.81	2.85	115.4	51	272.4	65.3	1706	9.07	54.3	.2	1.0	.5	76.1	.13	1.02	.03	173	1.88	.070	5.4	312.7	4.25	92.6	.012	1	3.83	.021	.04	.3	.02	7	.3	<.02	15.9
NWRR-10162	1.72	166.92	1.05	18.0	190	26.8	19.0	641	2.57	54.7	<.1	5.0	.1	74.0	.07	.30	.02	29	3.11	.048	1.4	40.2	.90	61.5	.001	<1	.50	.025	.04	3.9	<.02	<5	1.0	.02	1.6
NWRR-10194	.45	123.19	1.56	60.7	56	69.8	33.3	656	4.52	1.6	<.1	1.7	.1	8.4	.08	.04	.04	115	1.05	.057	2.1	21.0	2.30	32.8	.327	<1	2.70	.071	.05	.2	<.02	12	.3	<.02	9.9
NWRR-10166	.97	28.87	9.33	47.8	39	12.0	12.7	447	3.94	2.6	.6	.7	2.7	46.4	.07	.08	.14	149	.47	.042	12.3	38.3	.51	85.6	.352	<1	3.96	.116	.06	<.2	.11	29	.2	.02	10.2
NWRR-10188	.86	55.36	.42	62.8	19	69.8	25.2	477	3.73	.5	<.1	1.2	.1	12.6	.09	.04	<.02	84	1.80	.059	2.5	41.0	1.70	8.7	.310	5	2.58	.060	.02	.5	<.02	15	.1	.02	9.7
NWRR-10170	.43	39.32	.38	58.2	16	30.9	24.0	654	4.54	2.2	<.1	.2	.1	17.8	.05	.11	<.02	136	1.74	.081	2.8	23.5	1.62	81.9	.394	3	2.86	.041	.05	.2	<.02	10	.1	<.02	8.4
NWRR-10189	.64	65.22	2.60	90.9	48	47.7	24.1	608	4.68	1.4	<.1	2.2	.2	28.5	.13	1.18	.18	142	1.38	.064	3.4	17.0	1.52	21.3	.544	5	2.39	.062	.04	.4	<.02	36	.2	.02	8.9
RE NWRR-10189	.68	67.46	2.69	93.5	48	47.6	24.4	631	4.82	1.4	<.1	7.6	.2	30.3	.13	1.22	.18	152	1.49	.066	3.6	17.6	1.56	22.7	.591	5	2.50	.066	.04	.4	<.02	32	<.1	.02	9.2
RRE NWRR-10189	.35	59.60	.57	66.2	15	45.5	23.1	639	4.71	1.1	<.1	2.2	.2	34.3	.08	.34	<.02	147	1.44	.065	3.5	16.9	1.56	22.2	.579	6	2.44	.082	.05	.2	<.02	37	.2	.03	9.1
NWRR-10185	.55	50.95	.66	52.1	16	57.6	23.2	694	4.09	1.4	<.1	4.0	.1	10.9	.09	.17	<.02	134	2.03	.049	1.6	75.7	2.02	9.6	.414	5	2.92	.089	.04	.6	<.02	19	.1	.03	7.9
NWRR-10179	4.22	309.11	4.62	25.5	131	68.9	27.7	586	5.23	8.2	3.7	6.9	5.1	9.4	.07	1.46	.04	173	.37	.127	21.1	80.4	1.36	28.4	.136	1	1.50	.055	<.01	1.8	.07	17	3.8	.19	8.0
NWRR-10192	.66	29.26	2.29	17.8	47	14.1	7.1	1392	1.48	.9	.5	<.2	1.6	2.3	.01	.72	.21	22	.08	.025	3.7	26.1	.67	306.6	.030	<1	.78	.006	.09	1.8	.02	7	2.6	.11	3.4
NWRR-10168	.66	49.85	.60	61.0	43	7.1	17.1	671	4.61	.5	<.1	2.2	.3	16.7	.08	.15	<.02	108	1.59	.136	3.6	8.1	1.06	44.2	.314	3	2.31	.088	.01	1.0	<.02	<5	.4	<.02	9.9
NWRR-10175	.64	63.80	.42	54.1	25	89.4	27.9	519	3.53	.9	<.1	4.6	.1	42.3	.03	.08	<.02	86	1.18	.050	2.0	39.0	2.13	91.5	.345	4	2.46	.118	.09	.3	<.02	8	.1	<.02	6.8
NWRR-10177	.33	9.09	.20	45.4	2	22.2	24.3	812	5.30	.2	<.1	1.9	.1	8.1	<.01	.03	<.02	171	1.87	.086	3.6	6.1	1.72	17.0	.325	5	2.84	.055	.01	.4	<.02	<5	<.1	<.02	12.2
NWRR-10183	.30	9.69	21.31	50.7	45	10.8	6.8	369	2.86	1.9	1.3	2.4	12.6	10.4	.02	.20	.31	12	.25	.088	47.4	13.1	1.06	89.0	.004	1	1.62	.010	.29	.2	.05	31	<.1	.04	4.6
NWRR-10193	.30	32.69	.32	59.5	18	35.9	24.9	830	4.91	2.0	<.1	1.8	.1	8.7	.04	.07	.02	147	1.99	.079	3.0	27.4	1.65	35.1	.412	<1	3.17	.044	.04	<.2	<.02	6	<.1	.02	10.4
STANDARD DS2	14.20	128.95	34.41	162.3	266	38.1	11.8	803	3.10	59.7	19.0	220.5	3.8	30.8	10.16	9.78	10.84	77	.56	.090	18.7	166.1	.60	147.8	.104	2	1.77	.032	.17	7.1	1.90	240	2.2	1.92	6.4

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: ROCK Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 5 2000 DATE REPORT MAILED: July 20/00 SIGNED BY: ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Date 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
NWRR-10182	2.73	55.69	1.36	69.8	51	53.9	33.7	1249	6.40	2.4	<.1	2.5	.2	46.6	.16	.78	.02	219	4.57	.078	2.6	82.4	1.65	35.9	<.001	2	.76	.004	.04	<.2	<.02	24	.3	<.02	2.6
NWRR-10165	.62	49.93	.43	52.4	24	57.5	24.2	708	4.58	<.1	<.1	.8	.1	10.2	.05	.17	.02	146	2.49	.053	.9	107.1	1.69	32.5	.403	3	3.28	.057	.03	.8	<.02	9	.3	<.02	8.5
NWRR-10190	.33	62.82	1.14	55.7	47	80.4	29.2	736	4.77	23.7	.1	1.4	.1	12.4	.05	.79	<.02	177	2.81	.045	1.8	78.0	2.55	24.7	.349	12	3.96	.064	<.01	.4	<.02	19	.2	<.02	12.8
NWRR-10167	1.19	56.99	8.33	3.1	107	9.6	13.2	38	1.96	4.3	.1	19.0	1.2	3.5	<.01	.62	.72	7	.05	.010	3.5	12.8	.11	117.4	.006	2	.30	.008	.10	1.6	.02	25	2.7	.40	1.4
NWRR-10187	.55	75.95	.46	71.4	31	88.5	29.2	711	5.21	.3	.1	1.7	.1	7.4	<.01	.06	.03	113	1.23	.049	2.3	40.4	2.66	5.5	.394	4	2.73	.031	.01	<.2	<.02	12	.1	<.02	8.8
GSMR-10075	1.15	52.01	3.74	36.3	75	65.0	33.3	491	6.03	2.4	<.1	1.7	.2	8.5	.01	.32	.21	125	1.31	.060	1.7	79.5	1.47	28.7	.285	3	2.07	.045	.09	1.7	.02	17	3.5	.21	6.5
GSMR-10061	1.11	27.72	13.40	45.7	40	15.6	7.6	872	1.87	.7	.5	1.8	6.7	3.7	.20	.04	.13	5	.04	.018	10.5	17.3	.10	57.1	.002	2	.27	.017	.07	3.9	.02	<5	.1	.02	.8
GSMR-10063	6.06	19.15	53.85	4152.3	158	13.8	6.9	35	3.42	34.9	<.1	1.0	.4	2.4	15.67	2.55	.03	2	.01	.002	1.7	32.1	.02	41.3	.004	1	.07	.005	.02	8.4	4.56	16122	.3	.02	.3
GSMR-10065	1.81	11.40	37.86	25.9	79	13.9	11.1	27	2.21	10.5	1.8	2.1	7.1	23.2	<.01	1.42	.07	3	.02	.038	16.0	7.1	.02	56.0	.002	2	.25	.011	.28	1.5	.11	196	.2	<.02	.8
GSMR-10073	1.69	7.34	19.67	61.6	42	9.1	7.1	35	2.39	8.9	2.1	3.0	5.6	6.3	1.00	2.04	.15	4	.02	.021	11.6	12.9	.03	42.3	.003	3	.28	.008	.27	2.5	.07	185	.1	<.02	1.2
GSMR-10076	.67	75.40	.63	74.0	31	45.5	27.3	798	5.66	2.8	<.1	<.2	.2	9.0	.04	.52	.02	187	1.76	.072	3.2	56.2	2.21	32.0	.546	3	3.23	.037	.04	.4	<.02	85	.1	<.02	10.1
GSMR-10068	.66	305.06	1.83	45.8	128	63.7	34.0	443	6.20	2.3	<.1	1.9	.1	6.4	.10	.64	.05	114	1.23	.068	1.4	109.2	1.46	14.9	.394	1	1.70	.059	.06	.9	<.02	69	2.2	.09	8.7
GSMR-10062	1.23	24.32	13.10	58.3	42	18.2	6.5	897	1.80	.8	.4	.4	6.8	4.3	.29	.05	.11	5	.10	.017	11.6	15.8	.09	76.6	.001	1	.24	.018	.08	3.9	.02	43	<.1	<.02	.7
GSMR-10072	7.00	10.59	17.93	5.3	54	12.9	9.3	52	3.91	10.6	2.2	1.5	5.1	13.0	<.01	1.25	.12	10	.10	.061	12.3	20.3	.04	19.6	.005	2	.25	.025	.20	3.1	.30	91	.1	<.02	1.4
GSMR-10074	5.23	19.46	52.39	15.0	157	12.4	8.1	109	8.71	14.4	1.1	1.5	1.8	13.0	<.01	5.74	.15	26	.09	.064	3.7	22.5	.21	8.7	.007	1	.34	.044	.11	2.0	.30	270	.4	<.02	1.6
GSMR-10077	.25	61.70	.58	57.6	26	145.8	35.5	636	4.98	.1	<.1	.5	.1	10.9	.03	.06	.05	125	1.62	.054	2.0	52.8	3.24	147.2	.305	5	3.18	.022	<.01	.4	<.02	27	<.1	<.02	11.1
GSMR-10070	1.84	9.17	16.73	3.4	36	12.5	6.2	33	2.44	20.7	1.5	1.5	7.0	13.8	<.01	1.71	.20	11	.03	.032	17.1	18.3	.04	75.7	.015	1	.21	.034	.18	2.2	.09	82	.2	<.02	1.3
GSMR-10064	14.19	25.71	81.91	12.9	3584	23.9	19.1	64	8.43	45.0	1.5	4.4	7.6	5.2	<.01	5.50	.03	3	.14	.045	6.0	11.4	.05	9.6	.004	3	.31	.018	.28	2.8	1.03	137	13.2	<.02	1.0
GSMR-10066	1.06	28.37	9.97	50.9	56	12.3	13.0	462	4.46	2.6	.6	1.3	2.8	47.5	<.01	.09	.14	160	.50	.045	11.9	40.7	.51	86.5	.366	1	4.35	.111	.06	<.2	.14	53	.4	.04	10.4
GSMR-10079	1.01	61.39	6.53	33.5	50	30.0	4.0	249	1.49	2.3	.9	5.0	3.0	7.3	.04	.20	.15	46	.23	.008	5.3	32.0	.57	117.2	.131	2	.77	.016	.07	2.9	.02	45	.1	.07	4.3
GSMR-10067	10.94	21.44	60.68	12.7	2675	18.7	20.4	36	5.81	36.6	1.4	2.2	8.0	8.1	<.01	5.56	.06	3	.36	.046	6.8	14.2	.04	15.1	.003	2	.29	.021	.26	4.1	.34	117	14.9	<.02	.9
GSMR-10069	1.27	48.96	2.58	25.9	58	80.4	47.4	368	7.20	1.5	<.1	.6	<.1	6.3	<.01	.20	.04	120	1.20	.050	.8	129.0	1.92	19.9	.390	2	2.02	.038	.04	.6	.02	85	7.5	.25	5.0
RE GSMR-10069	1.33	48.39	2.67	25.6	59	80.6	47.6	367	7.20	1.6	<.1	1.0	.1	6.5	<.01	.22	.04	120	1.21	.053	.9	129.0	1.91	21.9	.392	1	2.03	.041	.04	.5	<.02	85	7.6	.29	5.3
RRE GSMR-10069	1.47	50.85	2.67	27.1	61	83.2	49.8	379	7.57	1.8	<.1	2.5	.1	6.6	.01	.22	.04	125	1.24	.052	.9	133.7	1.98	19.2	.403	1	2.10	.042	.04	.9	<.02	74	8.1	.29	5.3
GSMR-10078	.28	35.16	.89	66.3	20	121.7	33.1	869	5.09	.5	<.1	.4	.1	5.4	<.01	.07	<.02	135	1.55	.062	2.2	35.8	2.76	54.9	.485	6	3.02	.022	.01	<.2	<.02	10	.1	<.02	10.8
GSMR-10071	2.47	6.42	15.82	11.3	64	9.6	5.4	128	2.68	4.6	2.5	.8	6.3	7.9	<.01	2.33	.52	7	.16	.067	13.9	13.5	.26	52.4	.004	4	.69	.030	.26	2.0	.12	29	.1	<.02	2.6
GSMR-10080	.17	31.40	1.21	90.5	17	68.7	27.7	1229	5.62	.8	<.1	.6	.1	7.7	.05	.09	<.02	210	1.05	.064	2.4	75.8	2.51	50.9	.630	2	2.92	.038	.02	.3	<.02	15	.2	<.02	12.7
GEBR-10088	2.24	87.11	3.91	73.4	111	81.0	29.8	675	4.82	5.3	.3	3.0	.5	310.3	.20	.58	.13	115	5.45	.131	2.2	149.7	1.96	61.9	.159	<1	2.09	.055	.43	.6	.35	10	1.3	.03	6.7
GEBR-10085	4.35	302.40	6.35	28.1	100	34.1	29.2	380	4.75	4.0	.6	2.8	2.9	10.5	.02	.43	.47	61	.48	.135	9.8	50.0	.81	81.6	.117	1	1.05	.011	.13	2.8	.05	18	5.7	.19	5.5
GEBR-10094	3.71	89.00	6.87	39.5	96	55.4	16.3	1226	3.16	4.2	.9	3.0	3.2	7.0	.06	.31	.21	112	.34	.054	13.6	58.4	.77	122.4	.124	7	.99	.036	.07	3.1	.04	20	1.5	.13	5.1
GEBR-10081	.76	54.46	2.16	67.7	40	64.7	23.4	543	4.19	2.7	<.1	1.2	.1	7.6	.05	.62	.09	102	2.13	.045	1.4	72.2	1.80	27.1	.303	4	2.97	.028	.05	.7	<.02	13	.3	<.02	9.4
GEBR-10093	.62	33.93	2.25	55.1	55	48.2	22.8	1319	4.39	.4	<.1	.8	.1	9.6	<.01	.05	<.02	131	1.68	.074	2.9	37.1	1.92	193.9	.394	2	2.65	.039	.06	.6	<.02	<5	.3	<.02	10.0
GEBR-10098	5.02	366.46	35.34	152.1	419	46.6	19.9	1470	3.92	8.8	.6	3.0	2.4	16.1	.38	.13	.52	112	.58	.131	10.6	75.8	1.00	33.6	.152	28	1.61	.022	.04	2.4	.02	38	1.8	.22	9.1
GEBR-10084	8.13	2223.48	5.82	10.1	177	29.3	39.1	228	3.82	4.5	.5	1.9	2.8	12.9	.02	.27	1.01	49	.45	.145	7.3	53.5	.65	70.5	.115	1	1.01	.005	.15	3.8	.04	5	5.5	.47	5.4
STANDARD DS2	13.96	122.42	32.91	162.1	248	34.3	12.0	791	3.28	56.5	19.3	196.1	3.5	30.7	10.17	9.60	10.67	76	.58	.091	17.2	166.4	.58	145.8	.099	2	1.78	.031	.17	7.1	1.81	229	2.1	1.94	6.3

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

Data A 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
GEBR-10082	1.21	65.38	.70	58.3	17	71.3	26.6	606	4.22	3.8	<.1	.8	.1	8.8	.10	.36	.02	112	1.73	.051	1.5	103.4	2.11	27.8	.314	4	2.95	.042	.02	.3	<.02	<5	.3	<.02	9.3
GEBR-10087	1.09	3.03	21.62	21.6	47	1.5	.3	147	.55	1.5	2.1	1.1	9.6	2.6	.03	.22	.58	<2	.03	.007	8.9	6.9	.03	10.7	<.001	2	.20	.086	.11	2.2	.02	12	.2	<.02	.5
GEBR-10092	.45	61.41	1.62	104.7	29	87.3	43.4	974	7.10	2.1	<.1	.9	.2	39.1	.14	.82	.14	260	2.60	.068	3.1	188.2	3.52	141.0	.308	6	4.28	.034	.04	<.2	<.02	61	.3	<.02	15.8
GEBR-10083	137.42	5976.24	34.78	83.3	688	52.6	265.1	98	17.59	50.7	.5	14.8	2.7	11.6	.06	8.54	10.88	45	.16	.047	4.7	35.4	.28	10.0	.074	13	.47	.003	.12	4.1	.44	174	85.0	5.03	7.4
GEBR-10091	1.00	60.79	.42	67.7	16	69.9	30.1	880	5.38	1.4	<.1	2.4	.1	16.3	.11	.42	.03	199	2.13	.059	2.0	127.6	2.57	44.0	.377	6	3.37	.068	.03	.2	.02	18	.3	<.02	13.5
GEBR-10095	1.12	101.95	1.63	113.2	30	56.6	58.4	3978	10.15	1.8	<.1	2.8	.8	20.8	.05	1.58	.03	253	1.05	.122	15.8	39.6	1.95	96.7	.004	<1	.70	.002	<.01	<.2	.07	937	.6	<.02	4.0
GEBR-10100	1.97	56.22	25.06	43.9	23	30.2	7.5	1475	2.96	1.8	.2	.6	2.8	12.7	.02	.22	.14	50	.07	.031	17.9	30.9	.76	1103.8	.006	1	1.21	.006	.09	.6	.03	23	.4	.11	5.8
GEBR-10096	.31	12.94	20.75	52.5	51	10.4	9.5	247	3.00	2.2	1.9	<.2	11.5	4.7	.08	3.96	.84	8	.20	.055	24.6	11.0	.89	196.5	.046	<1	1.19	.019	.19	.8	.07	10	.1	.02	3.5
GEBR-10086	1.17	118.03	2.05	51.7	41	19.3	22.3	493	3.41	1.7	.2	1.5	.5	54.8	.07	.07	<.02	80	.74	.118	2.7	45.8	1.00	73.4	.132	<1	1.63	.023	.05	.6	<.02	6	.2	<.02	4.5
GEBR-10099	14.97	243.11	40.73	63.1	172	13.7	6.4	276	3.12	108.0	2.3	2.7	11.7	9.0	.16	.62	46.42	40	.10	.077	26.2	24.2	.50	70.6	.103	<1	1.76	.024	.28	134.0	.31	<5	.7	.24	6.0
GEBR-10089	1.17	5.91	28.08	39.7	136	2.7	.5	471	.47	22.4	4.7	.2	11.3	4.7	.40	.44	.48	<2	.07	.005	11.6	8.9	.02	17.0	<.001	4	.19	.040	.15	4.5	.06	12	<.1	<.02	.7
RE GEBR-10089	1.08	5.21	26.85	39.8	121	2.8	.4	469	.47	22.7	4.5	2.5	10.6	4.7	.35	.49	.40	<2	.07	.005	11.7	9.5	.02	17.3	<.001	4	.20	.041	.16	3.9	.06	<5	.1	<.02	.8
RRE GEBR-10089	1.07	5.76	25.97	40.9	134	4.0	.7	451	.46	21.5	4.4	.9	10.3	4.8	.38	.46	.40	<2	.07	.005	11.3	8.7	.01	13.6	<.001	4	.20	.040	.15	3.9	.05	<5	<.1	<.02	.8
GEBR-10097	.71	51.94	.69	66.9	11	34.8	24.1	578	4.51	1.8	<.1	<.2	.2	11.9	.03	.16	<.02	118	1.30	.077	2.5	24.1	1.48	95.5	.342	1	2.52	.041	.05	.3	<.02	<5	.3	.03	10.0
GEBR-10090	.54	24.90	2.23	93.6	11	28.4	28.2	590	5.03	1.4	<.1	.5	1.2	25.9	<.01	.18	<.02	97	.51	.101	6.4	19.2	2.20	117.4	.276	1	2.47	.032	.06	<.2	.02	<5	.2	<.02	15.6
STANDARD DS2	14.68	124.67	33.11	158.3	260	32.8	11.9	802	2.98	59.7	20.5	223.6	4.0	30.6	10.91	10.31	11.25	75	.54	.088	17.2	164.5	.59	145.5	.101	2	1.72	.033	.16	7.8	1.94	266	2.3	1.97	6.2

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

Data h 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 2398 File # A002202 Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
NWRR-10173	2.03	.1	.55	.05	2.4	15.5	.7	.04	<.05	16.6	19.37	5.8	.05	2	.4	26.8	30
NWRR-10181	1.46	.1	.05	.03	1.6	23.7	.3	.17	<.05	1.0	19.56	7.1	.07	2	.4	11.7	30
NWRR-10197	.27	.2	.22	.02	.2	8.4	.4	<.01	<.05	5.1	12.99	4.8	.03	1	.2	13.6	30
NWRR-10176	.87	<.1	.16	.39	4.9	1.8	.5	<.01	<.05	5.0	4.21	10.3	<.02	<1	.6	2.2	30
NWRR-10164	.03	.1	.23	.17	.7	3.3	.5	.76	<.05	4.8	6.27	5.2	.02	5	.2	22.0	30
NWRR-10180	.31	.1	.32	.06	1.5	2.9	.6	.03	<.05	10.7	11.50	6.8	.03	1	.3	25.2	30
NWRR-10172	.21	.2	.51	.07	.8	9.7	.6	.01	<.05	15.1	15.65	4.1	.05	<1	.2	38.8	30
NWRR-10161	.32	<.1	.02	.02	1.6	9.0	<.1	.47	<.05	.4	7.92	4.2	.07	1	.1	9.1	30
NWRR-10195	.43	.2	.29	.09	.4	3.0	.3	<.01	<.05	9.1	14.06	10.6	.03	<1	.4	1.9	30
NWRR-10178	1.73	.1	.06	.06	5.6	6.0	.2	.07	<.05	2.5	9.23	13.2	.04	<1	.4	49.5	30
NWRR-10186	.54	.2	.42	.09	.3	4.8	.7	.18	<.05	13.2	13.64	8.7	.06	<1	.1	15.1	30
NWRR-10174	.97	<.1	.15	<.02	7.0	1.3	.2	.08	<.05	6.2	2.67	29.0	.05	<1	.2	14.2	30
NWRR-10184	.36	<.1	.05	<.02	5.0	.4	.1	.01	<.05	1.8	1.14	15.4	.04	2	<.1	1.7	30
NWRR-10198	.51	.1	.48	.06	1.6	1.7	.6	.10	<.05	19.6	11.88	7.1	.05	4	.1	4.1	30
NWRR-10191	.14	.1	.21	.05	.7	3.0	.2	.03	<.05	5.6	11.24	5.7	.05	1	.2	21.8	30
NWRR-10196	.77	<.1	.42	.06	11.6	.6	.5	<.01	<.05	12.5	9.02	64.2	.06	<1	.5	4.4	30
NWRR-10171	.52	.1	.04	.03	1.8	18.7	<.1	.07	<.05	.9	6.01	10.7	.11	<1	.4	83.0	30
NWRR-10162	.23	.1	<.02	<.02	1.1	6.1	<.1	.64	<.05	.4	5.75	3.3	.09	<1	.1	9.5	30
NWRR-10194	.24	.1	.30	.06	.9	3.7	.7	.15	<.05	9.0	11.73	6.0	.06	<1	.2	6.7	30
NWRR-10166	1.24	.1	.59	.39	4.3	8.6	1.3	<.01	<.05	37.9	14.09	29.0	.09	<1	.8	10.4	30
NWRR-10188	.27	.2	.26	.07	.7	2.3	.4	.07	<.05	9.1	11.49	7.0	.05	<1	.1	3.8	30
NWRR-10170	.16	.1	.24	.10	1.3	3.7	.3	.02	<.05	6.0	14.22	7.9	.06	1	.3	21.1	30
NWRR-10189	1.33	.1	.83	.04	.9	2.9	.8	.09	<.05	31.5	15.93	9.6	.07	1	.3	13.4	30
RE NWRR-10189	1.38	.1	.88	.05	1.0	3.0	1.0	.09	<.05	36.0	16.67	10.1	.07	1	.3	13.6	30
RRE NWRR-10189	1.37	.1	.83	.10	1.0	3.6	.9	.07	<.05	33.5	16.07	9.9	.07	<1	.3	11.9	30
NWRR-10185	.55	.1	.46	.04	1.1	6.3	.6	.04	<.05	16.0	13.91	4.9	.07	<1	.3	20.6	30
NWRR-10179	.14	.1	.50	.60	.1	4.6	<.1	3.41	<.05	20.0	21.79	25.4	.06	<1	.3	12.5	30
NWRR-10192	.20	<.1	.07	.08	2.9	1.5	.2	.24	<.05	2.2	3.35	10.4	.05	<1	.3	6.8	30
NWRR-10168	.23	.2	.47	.09	.3	5.3	.6	.40	<.05	13.6	20.18	9.9	.07	<1	.4	13.3	30
NWRR-10175	.37	.1	.21	.05	2.1	1.7	.3	.11	<.05	6.8	7.65	5.7	.05	<1	<.1	10.0	30
NWRR-10177	.60	.1	.35	.11	.2	5.3	.4	.01	<.05	12.1	18.36	10.3	.03	<1	.3	3.7	30
NWRR-10183	.33	<.1	.23	<.02	10.0	1.5	.6	.01	<.05	7.2	21.24	82.8	<.02	<1	.5	28.5	30
NWRR-10193	.17	.1	.27	.12	1.8	3.9	.6	.01	<.05	5.9	14.98	8.4	.02	<1	.2	10.8	30
STANDARD DS2	3.44	<.1	.04	1.49	13.3	3.1	26.2	.02	<.05	3.1	7.82	31.8	5.28	<1	.7	14.6	30

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: ROCK Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 5 2000 DATE REPORT MAILED: July 20/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
NWRR-10182	1.19	<.1	.03	.03	1.3	24.7	.3	.79	<.05	.9	18.41	8.0	.08	1	.5	10.5	30
NWRR-10165	.21	.1	.31	.05	.8	5.3	.6	.15	<.05	8.3	12.76	2.9	.02	<1	.2	15.9	30
NWRR-10190	.49	.2	.30	.04	.1	6.4	.7	.04	<.05	10.7	15.96	5.4	.03	2	.2	44.6	30
NWRR-10167	.53	<.1	.06	.02	3.9	.7	.2	1.33	<.05	2.3	1.14	8.5	<.02	<1	.1	2.4	30
NWRR-10187	.63	<.1	.47	.03	.4	2.9	.6	.05	<.05	19.1	13.40	7.0	.02	<1	.2	9.0	30
GSMR-10075	.13	<.1	.21	.11	2.2	5.1	.6	4.80	<.05	5.3	12.03	5.5	<.02	10	.2	9.0	30
GSMR-10061	.14	<.1	<.02	.05	3.1	1.1	.2	.05	<.05	.4	2.86	23.1	<.02	2	.1	3.8	30
GSMR-10063	.03	<.1	<.02	.07	.4	.2	.2	3.79	<.05	.6	.35	3.4	.07	3	<.1	.4	30
GSMR-10065	.20	<.1	.59	<.02	10.8	.8	.5	2.45	<.05	19.6	7.91	31.0	.02	<1	.3	2.5	30
GSMR-10073	.17	<.1	.75	<.02	7.9	1.3	.7	2.79	<.05	26.6	5.28	23.1	.03	<1	.4	1.8	30
GSMR-10076	.49	.1	.36	.04	.8	6.2	1.0	.10	<.05	9.6	17.16	9.1	.06	2	.3	29.7	30
GSMR-10068	.05	<.1	.45	.15	1.2	4.2	1.2	5.64	<.05	14.3	11.65	3.9	.07	<1	.1	15.7	30
GSMR-10062	.13	<.1	<.02	.03	3.0	1.1	.2	.06	<.05	.4	3.88	21.6	.03	<1	.1	3.5	30
GSMR-10072	.17	<.1	.66	<.02	6.3	1.8	1.1	4.60	<.05	22.3	9.34	25.8	.05	<1	.3	3.5	30
GSMR-10074	2.09	<.1	.65	.03	10.0	2.4	1.5	8.49	<.05	19.6	7.53	12.2	.08	<1	.5	17.1	30
GSMR-10077	.43	.1	.17	.02	.2	2.2	.4	.05	<.05	5.6	8.33	5.5	.04	<1	.1	11.5	30
GSMR-10070	.45	<.1	.75	<.02	5.7	2.2	1.8	1.80	<.05	22.6	5.11	32.7	.05	3	.2	1.4	30
GSMR-10064	.19	<.1	.57	.04	8.6	.7	.4	9.44	<.05	20.3	4.01	13.3	.03	5	.3	1.7	30
GSMR-10066	1.27	<.1	.64	.37	4.1	8.7	1.3	.03	<.05	40.0	14.80	29.1	.08	<1	.6	11.7	30
GSMR-10079	.39	<.1	.18	.25	2.7	3.2	1.0	.03	<.05	6.4	6.49	12.3	.05	<1	.1	3.4	30
GSMR-10067	.24	<.1	.52	.04	8.5	.6	.4	7.39	<.05	17.6	4.59	14.3	.03	1	.2	1.7	30
GSMR-10069	.13	.1	.26	.08	.7	5.1	.5	6.63	<.05	6.1	8.49	2.8	.03	38	.2	12.3	30
RE GSMR-10069	.14	.1	.30	.09	.7	5.2	.5	6.87	<.05	6.4	8.64	2.9	.02	44	.3	13.4	30
RRE GSMR-10069	.14	.1	.29	.11	.8	5.5	.4	7.13	<.05	6.7	8.74	2.9	.02	41	.1	13.4	30
GSMR-10078	.35	.2	.34	.05	.9	3.0	.5	.03	<.05	9.9	14.10	6.5	.03	<1	.2	12.3	30
GSMR-10071	.27	<.1	.46	.03	9.7	.9	.4	2.32	<.05	16.7	12.39	26.5	.02	<1	.2	9.8	30
GSMR-10080	.22	.2	.48	.06	.9	7.4	.8	.01	<.05	11.5	17.99	6.5	.05	<1	.6	15.1	30
GEBR-10088	1.27	<.1	.12	.06	16.2	3.0	.2	1.68	<.05	3.7	5.22	4.3	<.02	3	.2	15.8	30
GEBR-10085	.55	<.1	.13	.34	4.3	2.8	7.9	3.03	<.05	3.7	11.32	19.7	.03	7	.2	8.6	30
GEBR-10094	.20	<.1	.23	.19	2.8	3.0	.5	1.79	<.05	9.3	11.40	17.4	<.02	2	.2	8.1	30
GEBR-10081	.50	.1	.24	.04	1.1	2.3	.5	.06	<.05	8.7	10.15	4.0	<.02	<1	.1	21.7	30
GEBR-10093	.66	.1	.32	.06	4.0	4.2	.4	.16	<.05	10.3	13.54	7.7	.02	<1	.2	14.0	30
GEBR-10098	.29	<.1	.23	.23	1.4	3.0	3.0	.44	<.05	8.2	11.36	17.7	.07	4	.2	14.6	30
GEBR-10084	.75	<.1	.13	.32	4.9	2.5	7.5	2.70	<.05	3.1	7.23	16.5	.02	12	.1	7.9	30
STANDARD DS2	3.34	<.1	.03	1.46	13.1	3.0	24.8	.01	<.05	3.0	7.99	30.4	4.95	1	.6	14.0	30

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

Data FA

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GEBR-10082	.48	.1	.25	.08	.6	3.4	.8	.10	<.05	9.9	10.50	4.4	<.02	2	.1	19.3	30.0
GEBR-10087	.13	<.1	.51	.26	4.3	1.5	.3	<.01	<.05	10.0	3.58	18.6	.02	4	.1	.6	30.0
GEBR-10092	3.72	.1	.42	.05	2.2	19.6	1.1	.05	<.05	14.1	28.03	9.8	.08	1	.3	46.3	30.0
GEBR-10083	.58	.5	.15	1.23	5.6	1.6	20.0	17.08	<.05	5.1	3.66	11.2	.28	204	.1	2.3	30.0
GEBR-10091	.81	.2	.49	.06	1.0	12.6	1.0	.03	<.05	17.4	20.51	6.2	.07	4	.3	23.4	30.0
GEBR-10095	.08	<.1	.04	<.02	.1	26.3	1.0	.11	<.05	2.5	34.13	36.1	.14	8	.4	5.3	30.0
GEBR-10100	.52	<.1	.02	<.02	4.3	1.7	.2	.05	<.05	3.2	3.00	24.9	.04	<1	.2	11.8	30.0
GEBR-10096	.29	<.1	.54	.11	8.3	1.3	.6	1.21	<.05	17.2	16.56	50.1	.06	<1	.4	28.8	30.0
GEBR-10086	.14	.1	.11	.04	2.1	1.8	.2	.07	<.05	3.4	2.64	4.6	.04	<1	<.1	8.9	30.0
GEBR-10099	7.98	<.1	.09	1.83	30.9	3.3	7.4	.06	<.05	4.6	7.14	46.1	.36	2	1.1	22.5	7.5
GEBR-10089	.24	<.1	.47	3.46	8.7	.4	.4	.12	<.05	10.0	10.35	23.0	.05	2	.3	1.5	30.0
RE GEBR-10089	.23	<.1	.33	3.51	8.7	.3	.3	.13	<.05	8.8	10.43	23.5	.05	<1	.7	1.6	30.0
RRE GEBR-10089	.23	<.1	.37	3.52	8.9	.3	.4	.12	<.05	8.9	10.07	22.6	.04	<1	.7	1.5	30.0
GEBR-10097	.29	.1	.27	.08	1.5	2.4	.7	.16	<.05	12.5	14.63	6.9	.05	3	.2	27.8	30.0
GEBR-10090	.28	<.1	.18	.19	3.2	2.5	.6	.04	<.05	3.9	9.04	13.8	.05	<1	.2	45.3	30.0
STANDARD DS2	3.46	<.1	.02	1.48	13.9	3.1	26.6	.04	<.05	3.3	8.11	30.1	5.42	2	.6	15.3	30.0

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

Data A FA

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

WHOLE ROCK ICP ANALYSIS

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002202 Page 1

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
NWRR-10173	48.35	14.15	12.78	6.85	6.67	2.79	.63	2.06	.20	.18	.028	286	93	136	117	39	<10	39	5.0	.42	.03	99.77
NWRR-10181	43.34	13.85	10.87	3.50	7.38	.07	.22	1.92	.21	.17	.023	91	73	38	115	36	<10	36	18.3	3.80	.12	99.90
NWRR-10197	49.65	14.39	9.60	7.49	8.53	3.82	.08	1.65	.13	.15	.035	999	90	97	92	32	<10	41	4.1	.10	<.01	99.78
NWRR-10176	81.09	7.47	3.50	.97	2.94	.66	1.28	.53	.07	.05	.011	413	35	303	171	19	<10	12	1.2	<.01	.02	99.89
NWRR-10164	48.73	14.31	11.08	6.25	9.92	2.44	.29	1.95	.19	.17	.024	283	55	260	115	34	<10	37	4.3	.04	.70	99.75
NWRR-10180	50.53	14.43	9.97	7.38	8.02	3.88	.32	1.58	.15	.18	.032	517	87	177	97	30	<10	37	3.2	.04	.02	99.78
NWRR-10172	47.17	14.25	13.00	7.40	8.85	1.70	.24	1.97	.18	.20	.023	87	85	82	113	39	<10	39	4.7	.17	.01	99.74
NWRR-10161	64.86	7.11	4.96	2.58	6.48	2.22	.69	1.25	.14	.11	.012	667	35	157	61	17	<10	18	9.3	2.48	.39	99.82
NWRR-10195	49.75	15.43	11.53	4.84	8.83	4.09	.16	2.09	.23	.17	.001	76	33	165	121	39	<10	29	2.8	<.01	<.01	99.98
NWRR-10178	55.13	14.85	10.04	5.22	3.01	.52	2.64	1.11	.16	.13	.121	4226	165	40	88	26	<10	36	6.5	.48	.06	99.95
NWRR-10186	50.66	14.01	11.10	7.28	7.35	3.96	.09	2.01	.22	.15	.026	42	85	231	117	37	<10	36	3.0	.01	.15	99.92
NWRR-10174	80.10	9.01	3.15	1.39	.06	.46	2.03	.52	.07	.03	.008	4502	28	25	103	18	<10	10	2.5	.17	.09	99.86
NWRR-10184	90.44	4.16	1.26	.30	.05	.04	1.22	.19	.06	.01	.005	788	20	<10	101	<10	<10	4	2.0	.60	<.01	99.84
NWRR-10198	51.42	13.71	10.34	6.17	9.61	3.07	.21	1.89	.16	.16	.025	91	75	175	104	36	<10	37	3.0	.07	.09	99.83
NWRR-10191	50.62	14.25	10.69	6.35	9.72	2.31	.19	1.64	.17	.17	.025	95	65	207	91	33	<10	37	3.8	<.01	.04	100.00
NWRR-10196	74.34	12.30	2.29	.46	.46	3.17	4.04	.40	.16	.02	.002	917	<20	92	168	14	13	3	2.2	.05	.01	99.98
NWRR-10171	47.71	13.47	15.07	6.93	2.89	2.54	.49	1.88	.22	.21	.050	235	254	145	89	20	15	28	8.5	.96	.03	100.06
NWRR-10162	73.36	6.05	4.22	1.60	4.57	2.12	.45	1.13	.15	.08	.012	431	37	104	53	12	<10	12	6.1	1.52	.52	99.92
NWRR-10194	50.00	15.08	10.22	7.41	7.27	4.17	.41	1.57	.20	.15	.028	233	94	171	96	31	<10	35	3.4	<.01	.16	99.99
NWRR-10166	53.15	18.08	8.67	2.31	3.84	2.98	1.14	1.33	.12	.13	.011	361	<20	329	176	27	11	23	8.1	.67	.01	99.97
NWRR-10188	50.69	13.60	10.60	6.12	10.14	2.91	.22	1.84	.17	.17	.026	31	100	163	104	36	<10	36	3.3	.03	.06	99.85
NWRR-10170	49.56	14.25	11.02	6.17	9.30	3.09	.33	1.97	.19	.17	.016	317	61	191	112	39	<10	37	3.9	.05	.03	100.06
NWRR-10189	49.86	14.06	11.24	6.65	8.38	3.61	.38	1.82	.13	.17	.026	148	70	203	100	35	<10	38	3.6	.04	.06	100.00
RE NWRR-10189	50.03	14.12	11.20	6.72	8.42	3.68	.38	1.80	.16	.17	.028	148	67	203	98	35	<10	38	3.4	.03	.06	100.18
RRE NWRR-10189	49.92	14.03	11.40	6.70	8.42	3.60	.37	1.81	.21	.17	.026	145	75	206	98	35	<10	38	3.5	.01	.06	100.23
NWRR-10185	52.28	13.38	10.17	6.27	10.16	1.72	.21	1.70	.17	.16	.026	34	69	49	89	34	<10	35	3.7	<.01	.04	99.99
NWRR-10179	72.16	7.72	8.34	2.45	.80	2.82	.06	.32	.29	.09	.010	128	77	56	72	31	<10	7	4.9	.01	3.02	100.01
NWRR-10192	87.57	4.09	2.52	1.36	.15	.22	.86	.26	.01	.19	.006	2639	35	10	66	<10	<10	7	2.7	.07	.18	100.25
NWRR-10168	57.55	14.06	10.10	2.79	5.21	4.99	.11	1.58	.26	.14	.002	342	21	182	138	48	<10	23	3.1	.18	.32	99.98
NWRR-10175	50.26	14.36	9.87	7.77	9.47	2.57	.69	1.34	.13	.16	.035	357	110	427	71	27	<10	35	3.3	.04	.08	100.08
NWRR-10177	50.21	14.81	11.35	5.42	7.89	4.24	.09	2.02	.19	.18	.002	106	36	145	124	40	<10	30	3.5	<.01	<.01	99.96
NWRR-10183	67.03	14.18	5.46	2.73	.40	.73	4.33	.88	.18	.05	.005	700	24	28	232	32	16	12	3.9	.04	.05	100.00
NWRR-10193	49.07	14.19	11.13	6.55	9.66	2.77	.27	1.98	.19	.21	.023	164	63	108	122	39	<10	39	3.9	.01	<.01	100.01
STANDARD SO-15/CSB	49.59	12.36	7.29	7.25	5.86	2.41	1.85	1.78	2.70	1.39	1.058	2028	76	395	1020	22	26	13	5.9	2.41	5.32	99.87

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: ROCK Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 5 2000 DATE REPORT MAILED: July 20/00 SIGNED BY: ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
NWRR-10182	48.63	13.81	9.52	3.02	6.91	.07	.23	1.92	.18	.16	.024	96	59	52	128	38	<10	35	15.3	3.00	.61	99.83
NWRR-10165	47.57	14.24	11.84	6.49	12.29	1.17	.24	1.92	.18	.20	.029	144	82	64	109	38	<10	37	3.7	.11	.14	99.93
NWRR-10190	48.99	14.55	10.81	7.59	8.97	3.09	.05	1.50	.15	.16	.035	56	100	84	86	30	<10	36	3.9	.06	.01	99.84
NWRR-10167	90.59	3.22	3.10	.34	.09	.06	.94	.20	.03	.01	.014	745	38	10	58	<10	<10	5	1.7	<.01	1.08	100.39
NWRR-10187	49.51	13.11	10.75	9.05	7.87	3.67	.17	1.42	.11	.17	.042	48	107	95	83	26	<10	39	3.8	.01	.03	99.72
GSMR-10075	55.64	12.74	10.27	4.71	5.63	3.18	.86	1.56	.18	.11	.024	757	89	139	96	32	<10	32	4.9	.02	4.18	99.94
GSMR-10061	86.95	5.29	3.01	.25	.11	1.12	.94	.37	.06	.11	.007	220	29	68	196	10	11	4	1.7	.11	.05	99.98
GSMR-10063	91.35	.55	4.96	.04	.03	.04	.14	.03	.01	<.01	.007	375	41	10	49	<10	<10	<1	2.3	<.01	2.89	99.52
GSMR-10065	65.04	15.03	4.13	.63	.07	1.01	9.31	.92	.15	.01	.008	5155	32	82	245	29	13	13	2.9	.03	1.71	99.84
GSMR-10073	66.01	14.24	3.84	.61	.05	.54	9.94	.89	.08	.01	.006	10286	29	36	223	20	12	13	2.6	.03	2.16	100.01
GSMR-10076	49.12	14.63	10.85	7.31	8.86	3.20	.39	1.84	.21	.17	.032	253	130	118	107	34	<10	40	3.2	<.01	.09	99.90
GSMR-10068	48.89	13.34	10.99	7.24	6.44	4.20	.62	1.91	.20	.18	.027	720	79	114	106	34	<10	35	5.7	.05	4.96	99.86
GSMR-10062	87.58	5.17	2.87	.22	.19	1.07	.95	.36	.06	.11	.007	237	69	66	177	10	<10	4	1.4	.09	.04	100.06
GSMR-10072	66.37	12.34	5.69	.36	.16	2.19	6.30	.74	.17	.01	.007	16059	20	79	207	22	12	11	3.7	.01	4.03	99.88
GSMR-10074	53.70	11.51	12.72	.62	.15	6.42	.76	.73	.16	.01	.007	46529	21	338	199	21	17	9	7.9	.03	8.81	99.96
GSMR-10077	47.35	12.65	10.92	9.92	10.13	2.73	.06	1.48	.15	.17	.048	267	172	131	76	27	<10	36	4.1	.03	.02	99.79
GSMR-10070	65.46	14.11	3.51	.09	.09	2.83	7.06	.89	.12	.01	.004	33978	32	101	254	24	18	9	2.0	.01	1.53	100.02
GSMR-10064	60.31	10.71	13.69	.96	.21	1.81	3.51	.68	.16	.01	.006	2799	28	34	187	16	15	9	7.6	.07	9.06	100.01
GSMR-10066	53.51	18.24	8.65	2.31	3.90	3.05	1.12	1.37	.18	.13	.010	372	<20	330	186	26	13	23	7.4	.63	.01	99.99
GSMR-10079	85.73	5.98	2.59	1.23	.48	1.71	.67	.32	.02	.04	.007	344	38	34	57	11	<10	8	1.2	.03	.01	100.03
GSMR-10067	67.40	9.96	9.08	.85	.49	1.93	2.76	.62	.12	.01	.008	2390	26	38	164	15	14	7	6.5	.08	6.61	100.03
GSMR-10069	46.86	13.90	12.43	6.70	6.42	3.65	.54	1.97	.16	.11	.029	305	47	119	101	33	<10	36	7.1	<.01	6.31	99.95
RE GSMR-10069	47.05	13.94	12.39	6.66	6.42	3.71	.54	1.97	.16	.11	.032	303	46	118	105	34	<10	36	7.0	.01	6.43	100.06
RRE GSMR-10069	46.67	13.87	12.71	6.66	6.36	3.71	.52	1.96	.16	.10	.030	300	39	118	107	32	<10	36	7.1	.01	6.56	99.93
GSMR-10078	48.54	12.35	10.68	9.72	9.83	2.93	.09	1.68	.16	.19	.070	114	160	100	91	31	<10	42	3.6	.06	.01	99.91
GSMR-10071	68.40	14.21	4.77	1.26	.28	3.72	2.54	.83	.15	.02	.003	4063	21	74	215	25	15	12	3.2	.05	2.01	99.88
GSMR-10080	52.29	14.33	10.00	7.08	5.42	5.13	.19	1.77	.18	.20	.034	339	79	107	110	35	<10	37	3.0	.07	.02	99.71
GEBR-10088	45.60	11.44	9.17	6.91	13.21	2.58	1.42	.75	.35	.14	.030	1266	84	712	46	14	<10	30	8.0	1.80	1.45	99.85
GEBR-10085	77.52	6.26	7.20	1.77	.87	.77	1.20	.39	.33	.05	.015	712	42	30	94	19	<10	9	3.5	.03	2.52	99.98
GEBR-10094	77.43	6.79	5.53	2.42	1.52	2.14	.72	.47	.13	.24	.012	1143	58	64	67	20	<10	11	2.4	.02	1.52	99.96
GEBR-10081	50.11	14.19	9.87	6.81	10.44	2.76	.31	1.44	.16	.16	.032	121	94	113	72	27	<10	35	3.4	.06	.09	99.74
GEBR-10093	49.99	14.07	10.51	7.15	8.07	3.47	.50	1.74	.19	.32	.032	1543	92	209	103	32	<10	35	3.6	.08	.15	99.87
GEBR-10098	79.64	6.72	5.77	1.81	1.36	1.64	.32	.42	.30	.31	.010	245	50	74	96	22	<10	11	1.7	.02	.36	100.06
GEBR-10084	79.51	5.80	5.81	1.46	.96	.13	1.28	.35	.32	.03	.012	761	35	54	84	15	<10	9	3.9	.04	2.20	99.67
STANDARD SO-15/CSB	49.74	12.29	7.27	7.23	5.84	2.40	1.86	1.81	2.69	1.38	1.055	2081	75	394	1042	21	22	12	5.9	2.41	5.32	99.90

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

Data ✓ FA ___

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GEBR-10082	49.42	15.01	10.40	7.09	10.14	2.92	.20	1.45	.16	.18	.034	128	107	113	76	33	<10	38	3.4	<.01	.70	100.46
GEBR-10087	73.45	13.96	1.07	.09	.08	5.07	3.84	.07	.01	.03	.005	105	29	36	45	31	31	5	.9	.06	<.01	98.61
GEBR-10092	47.59	15.39	12.50	6.76	5.74	2.04	.30	2.03	.19	.16	.032	281	95	106	105	47	<10	42	7.6	.47	.08	100.41
GEBR-10083	54.63	3.87	23.43	.76	.43	.17	1.03	.23	.12	.02	.008	545	<20	32	51	<10	<10	6	14.5	.03	19.60	99.27
GEBR-10091	47.00	15.41	12.30	7.18	8.24	3.44	.18	1.94	.20	.19	.029	137	95	104	93	43	<10	40	4.5	.17	.01	100.67
GEBR-10095	41.53	15.02	16.79	3.40	1.69	<.01	<.04	2.63	.30	.54	.014	323	60	23	157	41	15	46	18.2	3.65	.12	100.22
GEBR-10100	80.76	5.66	5.24	1.56	.12	.03	1.01	.27	.08	.21	.012	6183	52	23	48	17	<10	7	2.2	.26	.07	97.86
GEBR-10096	68.55	13.09	5.31	2.30	.69	1.85	2.72	.74	.08	.04	.007	3987	35	66	187	31	12	11	3.0	.03	1.08	98.87
GEBR-10086	49.54	13.51	11.06	6.92	11.99	1.98	2.29	.68	.34	.18	.027	788	46	795	33	18	<10	40	1.8	.04	.07	100.52
GEBR-10099	64.32	14.08	5.56	1.22	1.24	2.46	2.98	.83	.23	.07	.008	354	26	119	324	36	12	11	5.9	1.00	.06	99.01
GEBR-10089	74.88	13.24	.90	.09	.21	3.15	4.55	.08	.03	.08	.005	82	<20	47	56	27	32	5	1.2	.06	.12	98.45
RE GEBR-10089	74.79	13.33	.94	.09	.20	3.08	4.59	.06	.06	.08	.007	84	20	47	49	25	32	5	1.2	.02	.14	98.46
RRE GEBR-10089	74.87	13.27	.89	.09	.21	3.09	4.62	.08	.02	.08	.006	81	<20	48	57	27	33	5	1.2	.02	.11	98.46
GEBR-10097	49.88	15.00	11.08	6.46	9.07	3.78	.39	1.86	.20	.18	.025	814	64	241	112	45	<10	42	2.5	.04	.15	100.58
GEBR-10090	52.42	14.23	12.02	6.37	4.32	4.57	.63	2.29	.22	.18	.009	1107	46	355	110	25	19	25	2.8	.05	.04	100.25
STANDARD SO-15/CSB	49.53	12.86	7.28	7.24	5.86	2.40	1.85	1.70	2.69	1.39	1.057	1921	78	395	909	23	25	13	5.9	2.59	5.31	100.16

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

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002202R Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Ba ppm	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
NWRR-10173	272	43.2	3.5	17.3	3.4	2.8	13.8	1	139.6	.3	.3	.2	.1	353	<1	123.7	41.3	4.7	14.5	2.50	13.5	4.7	1.71	5.57	1.04	7.25	1.44	4.43	.58	3.97	.62
NWRR-10181	90	35.1	2.6	15.1	3.6	3.8	5.3	1	38.0	.3	.4	.1	.1	298	1	117.0	38.4	5.4	16.1	2.64	14.2	4.7	1.70	5.79	1.01	6.92	1.37	4.20	.58	3.70	.57
NWRR-10197	1004	37.7	.4	14.9	2.7	2.3	1.3	<1	98.1	.2	.3	.1	.1	298	<1	89.5	33.0	3.3	10.6	1.81	9.9	3.3	1.08	4.45	.81	5.72	1.13	3.61	.50	3.14	.48
NWRR-10176	418	12.0	2.7	13.2	4.9	8.8	51.4	2	310.3	.8	6.8	.5	1.7	49	6	176.1	19.8	22.0	59.7	5.63	22.2	4.6	1.00	4.10	.68	4.16	.78	2.49	.33	2.29	.36
NWRR-10164	293	16.1	.3	19.8	3.5	4.0	5.9	1	269.9	.3	.5	.4	.1	307	2	126.1	36.8	6.0	17.2	2.61	14.0	4.3	1.75	5.18	.93	6.69	1.31	4.14	.54	3.58	.58
NWRR-10180	519	38.5	.6	17.4	2.8	2.9	9.3	1	182.2	.2	.3	.2	.1	267	<1	97.5	32.3	4.4	13.0	2.10	11.2	4.0	1.27	4.56	.83	5.80	1.16	3.55	.47	3.05	.45
NWRR-10172	89	41.6	.4	18.0	3.2	2.4	4.4	1	86.2	.2	.2	.6	<.1	331	2	106.0	39.3	3.7	12.2	2.16	11.7	4.3	1.52	5.44	.99	7.08	1.41	4.43	.60	3.82	.57
NWRR-10161	677	21.6	1.2	6.5	1.6	9.1	20.4	2	163.2	.8	.9	1.6	.3	106	26	57.5	16.6	5.7	12.7	1.73	7.9	2.3	.90	2.74	.46	3.00	.56	1.79	.26	1.53	.25
NWRR-10195	79	33.9	.6	19.8	3.8	3.7	2.1	1	170.2	.3	.3	.5	<.1	315	3	125.9	40.7	5.8	17.1	2.73	14.3	5.0	1.94	5.86	1.07	7.44	1.49	4.65	.65	4.16	.63
NWRR-10178	4219	38.9	5.2	18.1	2.5	11.9	86.7	1	41.8	.9	3.5	1.5	1.0	208	2	89.9	27.1	21.0	41.1	5.68	23.3	5.6	1.01	5.30	.79	5.51	.96	2.89	.37	2.50	.37
NWRR-10186	45	38.6	.6	15.7	3.6	3.6	1.3	2	242.9	.3	.3	.8	.1	296	1	126.2	39.8	5.6	16.9	2.70	14.5	4.7	1.55	5.54	.97	7.06	1.45	4.29	.58	3.91	.59
NWRR-10174	4435	3.9	3.7	14.3	3.0	9.3	92.2	2	25.1	.8	6.4	.4	1.8	90	3	111.7	17.8	21.2	43.2	5.05	18.8	3.6	.50	3.08	.48	3.40	.63	2.11	.27	1.98	.32
NWRR-10184	799	1.0	1.7	4.9	2.8	4.0	44.2	<1	9.5	.4	4.1	.5	1.8	140	8	97.9	7.7	12.4	23.1	2.59	8.9	1.4	.24	1.18	.17	1.20	.23	.83	.11	.76	.13
NWRR-10198	98	39.1	.7	17.8	3.1	2.8	4.1	1	189.3	.3	.3	.1	.1	314	1	112.7	38.4	4.6	14.6	2.44	13.0	4.5	1.69	5.44	.96	6.82	1.38	4.26	.56	3.86	.56
NWRR-10191	102	36.9	.3	19.1	2.9	2.2	3.2	<1	234.3	.2	.3	.2	.1	319	1	94.8	36.0	3.9	12.3	2.04	10.9	3.9	1.52	4.96	.85	6.16	1.24	4.08	.55	3.66	.57
NWRR-10196	991	3.3	3.2	18.4	5.5	15.4	130.8	4	99.6	1.6	17.3	.5	3.6	10	4	182.8	15.2	40.8	89.1	10.05	37.8	7.8	1.22	5.39	.75	3.91	.54	1.48	.15	1.00	.14
NWRR-10171	238	62.5	1.0	20.8	2.8	16.8	18.2	<1	156.7	1.2	1.7	.1	.7	233	3	90.1	20.6	12.3	27.2	3.50	15.4	4.1	1.30	4.34	.67	4.19	.76	2.25	.27	1.69	.25
NWRR-10162	436	18.5	.5	5.8	1.5	8.1	12.4	<1	113.4	.6	.7	<.1	.2	89	34	48.7	12.6	4.3	10.2	1.35	6.3	1.8	.73	2.13	.34	2.34	.45	1.38	.19	1.24	.19
NWRR-10194	236	46.5	.4	17.4	2.7	2.4	6.0	1	179.5	.2	.2	<.1	.2	278	<1	92.3	32.1	3.8	11.9	2.00	10.5	3.5	1.47	4.62	.82	5.84	1.22	3.86	.50	3.28	.50
NWRR-10166	373	18.3	2.5	22.4	5.5	7.7	37.5	2	357.1	.6	5.4	.2	1.5	174	<1	205.8	28.8	19.8	49.9	5.82	23.7	5.6	1.81	5.32	.84	5.50	1.09	3.35	.47	3.07	.46
NWRR-10188	30	39.2	.3	19.0	3.2	2.7	2.4	1	173.4	.3	.2	<.1	<.1	307	1	110.5	37.9	4.3	14.2	2.35	12.4	4.3	1.57	5.24	.98	6.61	1.43	4.35	.58	3.88	.57
NWRR-10170	331	35.6	.4	18.8	3.5	3.9	7.6	1	205.7	.3	.3	<.1	.1	304	<1	126.1	40.5	5.7	16.5	2.67	13.7	4.8	1.82	5.90	1.04	7.22	1.47	4.66	.62	4.14	.63
NWRR-10189	156	38.8	1.6	16.5	3.3	2.9	6.2	1	225.8	.2	.3	<.1	.1	307	<1	108.1	37.5	4.7	14.4	2.34	12.7	4.4	1.69	5.39	.94	6.64	1.34	4.27	.56	3.76	.55
RE NWRR-10189	150	39.1	1.7	16.1	3.2	2.9	6.0	1	219.0	.2	.2	<.1	.1	299	<1	104.9	36.8	4.5	13.9	2.31	12.0	4.3	1.64	5.18	.94	6.38	1.30	4.14	.57	3.64	.56
RRE NWRR-10189	152	39.2	1.6	15.6	3.1	2.8	6.4	1	216.1	.2	.2	<.1	.1	302	<1	105.9	36.8	4.6	14.3	2.33	12.4	4.3	1.69	5.24	.92	6.65	1.37	4.28	.57	3.76	.56
NWRR-10185	38	37.2	.8	15.8	3.0	2.4	4.7	1	54.7	.2	.2	<.1	.1	293	4	103.4	37.2	4.0	12.9	2.15	12.0	4.2	1.53	5.23	.93	6.58	1.38	4.25	.60	3.71	.59
NWRR-10179	131	27.4	.2	10.1	2.2	6.9	1.2	<1	64.0	.6	6.5	<.1	6.0	179	3	74.8	33.4	29.8	40.8	8.08	32.2	7.7	.96	6.75	1.06	6.72	1.26	3.81	.51	3.22	.46
NWRR-10192	2728	6.9	.8	7.6	2.0	3.2	30.0	<1	11.3	.3	3.0	.1	1.1	49	3	71.5	9.1	4.6	13.5	1.28	5.2	1.3	.21	1.33	.23	1.71	.33	1.22	.16	1.18	.18
NWRR-10168	370	22.5	.3	18.7	4.3	3.4	2.0	1	204.3	.3	.8	<.1	.4	180	2	147.8	51.8	6.6	20.3	3.28	16.9	5.8	2.22	7.51	1.36	9.20	1.95	6.16	.82	5.52	.87
NWRR-10175	381	41.8	.8	18.3	2.7	2.3	17.6	<1	465.1	.2	.3	<.1	<.1	255	<1	96.2	28.6	3.7	11.1	1.76	9.6	3.2	1.22	4.05	.76	5.00	1.04	3.36	.44	2.97	.45
NWRR-10177	124	35.5	.8	19.0	3.8	4.2	1.7	<1	159.4	.3	.4	<.1	.2	310	<1	137.1	42.5	5.7	17.8	2.85	14.4	5.3	1.87	6.21	1.06	7.54	1.54	4.98	.67	4.40	.68
NWRR-10183	746	7.4	4.5	22.1	7.1	17.6	166.2	4	28.8	1.7	18.1	.5	4.3	50	3	243.7	34.7	51.1	108.8	12.26	44.4	9.1	1.59	6.71	1.13	7.04	1.27	3.87	.50	3.34	.50
NWRR-10193	180	39.5	.3	18.9	3.9	4.2	6.0	1	121.7	.4	.4	<.1	.2	324	<1	134.0	42.2	5.9	18.4	2.89	14.7	5.2	1.86	6.32	1.12	7.78	1.58	4.96	.72	4.35	.68
STANDARD SO-15	2052	21.9	2.7	17.4	26.0	31.8	64.2	18	399.1	1.9	24.3	1.2	19.9	148	21	1005.9	22.6	28.1	57.7	6.04	22.7	4.7	1.00	3.93	.58	3.79	.75	2.55	.35	2.52	.41

GROUP 4B - REE - LiBO2 FUSION, ICP/MS FINISHED.
- SAMPLE TYPE: ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 18/00 SIGNED BY: ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

ACME ANALYTICAL

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 FILE # A002202R Page 2 (a)

ACME ANALYTICAL

SAMPLE#	Ba ppm	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
NWRR-10182	113	37.5	2.7	16.0	3.9	4.1	6.5	2	58.3	.3	.4	.1	.1	347	1	133.9	43.4	5.7	17.7	2.79	15.7	4.7	1.95	5.99	1.12	7.21	1.53	4.69	.64	4.12	.61
NWRR-10165	162	44.5	.5	19.8	3.9	2.9	6.0	3	76.1	.2	.4	.1	.1	387	2	126.4	44.2	5.1	15.9	2.59	14.7	5.0	1.90	6.36	1.18	7.56	1.60	5.04	.69	4.50	.65
NWRR-10190	66	45.7	.8	20.2	2.8	2.2	.8	2	95.2	.2	1.3	<.1	.2	326	1	91.7	35.6	5.7	16.1	2.52	12.7	4.3	1.64	5.19	.94	6.06	1.33	4.02	.55	3.46	.51
NWRR-10167	760	14.2	1.6	5.6	2.0	3.4	35.2	1	11.4	.3	2.8	.3	.8	34	4	70.3	6.6	8.2	22.4	2.10	8.1	1.7	.23	1.40	.22	1.29	.25	.84	.12	.83	.13
NWRR-10187	48	46.3	.9	14.0	2.5	1.9	2.2	1	104.2	.1	.3	<.1	.1	286	<1	84.0	30.7	2.9	10.1	1.77	8.7	3.3	1.36	4.07	.82	5.17	1.09	3.46	.49	3.00	.46
GSMR-10075	807	34.8	.7	16.4	3.3	3.5	25.2	1	149.1	.3	.8	.2	.3	266	3	108.6	35.1	5.7	17.2	2.51	12.6	4.2	1.55	5.22	1.00	6.02	1.28	4.07	.53	3.44	.50
GSMR-10061	229	7.9	1.3	6.3	5.6	4.8	39.7	1	71.3	.5	8.9	.2	1.3	27	6	182.9	11.1	16.9	37.8	3.94	14.8	3.0	.74	2.62	.37	2.01	.38	1.24	.17	1.23	.19
GSMR-10063	414	7.1	.6	.8	1.9	1.1	5.2	3	10.4	.2	1.3	2.8	.6	<5	12	60.1	3.2	6.0	12.3	1.34	4.9	.8	.06	.57	.09	.53	.12	.33	.06	.35	.07
GSMR-10065	5837	11.9	5.1	26.1	8.3	19.0	269.3	5	94.5	1.9	20.1	.9	4.6	53	5	279.7	35.5	60.3	121.0	13.36	48.4	9.6	1.19	6.76	1.16	6.71	1.25	3.88	.51	3.43	.45
GSMR-10073	11458	7.8	3.9	22.8	8.4	17.9	223.2	5	39.6	1.8	17.0	1.4	6.1	54	8	275.7	23.4	44.8	90.1	10.14	37.6	6.9	<.05	4.69	.74	4.46	.85	2.84	.40	2.66	.37
GSMR-10076	280	42.2	.9	15.9	3.4	3.6	7.6	2	132.0	.3	.5	.3	.2	326	1	115.8	38.5	5.8	16.4	2.56	12.7	4.4	1.79	5.57	1.08	6.58	1.39	4.39	.58	3.84	.58
GSMR-10068	819	32.2	.5	24.7	3.7	3.6	17.0	3	126.5	.3	.4	.1	.3	339	2	120.1	40.0	5.5	16.3	2.55	12.9	4.8	1.79	5.70	1.11	7.09	1.43	4.52	.62	3.93	.56
GSMR-10062	255	7.5	1.3	6.2	5.8	4.8	40.6	1	69.0	.5	9.0	.3	1.2	27	6	190.7	11.1	19.5	39.6	4.26	15.9	3.2	.77	2.74	.38	2.17	.39	1.26	.17	1.18	.17
GSMR-10072	13479	9.8	2.7	17.9	7.1	15.5	142.4	4	84.4	1.6	16.0	.9	5.1	44	8	240.2	26.2	46.9	93.8	10.64	39.5	8.1	.68	5.49	.90	5.22	.90	2.90	.41	2.62	.37
GSMR-10074	38984	9.0	2.7	17.6	6.7	15.4	25.3	5	369.9	1.6	14.9	.4	3.5	41	6	217.6	23.3	44.5	89.1	9.89	36.8	6.9	<.05	5.23	.81	4.98	.85	2.57	.37	2.50	.32
GSMR-10077	318	58.9	.6	18.9	2.8	2.4	1.3	1	150.0	.2	.4	<.1	.1	310	1	95.0	32.3	5.0	13.9	2.14	11.1	3.6	1.63	4.59	.88	5.47	1.13	3.67	.48	3.13	.45
GSMR-10070	25342	5.6	3.2	19.1	7.4	16.7	167.6	4	100.5	2.2	15.7	.7	4.1	20	5	235.6	23.5	47.3	91.4	10.04	37.3	6.8	<.05	4.65	.73	4.70	.83	2.65	.37	2.67	.35
GSMR-10064	2873	14.0	3.2	16.2	5.6	13.1	119.8	2	34.4	1.2	12.1	.5	3.3	37	6	189.6	16.9	33.0	67.6	7.31	27.5	5.1	.73	3.84	.57	3.27	.59	1.93	.27	1.72	.25
GSMR-10066	375	18.4	2.6	22.0	5.4	7.5	39.2	2	330.0	.6	5.2	.1	1.5	181	1	191.2	28.8	20.7	49.0	5.73	23.6	5.5	1.77	5.11	.85	4.97	1.02	3.26	.44	2.99	.44
GSMR-10079	319	4.6	1.1	9.2	1.8	4.8	24.4	2	33.0	.4	4.3	<.1	1.8	78	4	57.0	11.7	12.0	27.5	3.02	11.6	2.4	.60	2.23	.35	2.16	.43	1.47	.20	1.39	.22
GSMR-10067	2404	19.4	3.0	15.3	4.8	13.4	107.9	2	40.1	1.1	11.5	.3	3.2	32	7	163.2	17.5	32.8	65.9	7.29	26.7	5.2	.60	3.85	.58	3.28	.61	1.95	.26	1.66	.23
GSMR-10069	305	35.6	.6	14.7	3.6	3.2	11.1	<1	118.1	.3	.3	<.1	.1	298	1	114.9	35.1	4.4	13.6	2.13	11.4	3.7	1.61	4.88	.90	5.69	1.30	4.07	.54	3.50	.51
RE GSMR-10069	304	36.0	.6	13.4	3.5	3.1	11.0	2	117.6	.3	.3	<.1	<.1	295	1	111.9	35.3	4.4	13.3	2.09	10.7	3.7	1.66	4.70	.93	5.65	1.28	3.92	.53	3.51	.51
RRE GSMR-10069	300	37.4	.6	13.2	3.6	3.1	11.2	<1	118.8	.3	.3	<.1	.1	297	2	112.3	35.3	4.4	13.1	2.09	11.2	3.8	1.57	4.58	.91	5.78	1.26	3.91	.54	3.48	.50
GSMR-10078	117	48.3	.6	15.3	2.8	2.8	3.0	1	103.3	.3	.2	<.1	<.1	287	<1	95.9	32.3	4.1	12.1	1.94	10.7	3.6	1.36	4.50	.87	5.36	1.14	3.63	.48	3.09	.44
GSMR-10071	4046	5.8	3.8	22.1	7.1	16.3	119.6	3	74.2	1.6	17.7	.3	4.9	47	5	242.6	27.9	57.2	109.4	11.70	43.3	8.1	1.03	5.30	.88	5.11	.94	2.87	.35	2.36	.32
GSMR-10080	360	35.7	.5	17.7	3.2	3.0	4.5	1	107.0	.3	.4	<.1	.2	301	<1	108.9	35.8	5.7	14.8	2.25	11.7	3.9	1.29	4.96	.92	6.01	1.28	3.91	.56	3.47	.50
GEBR-10088	1247	34.7	1.8	11.9	1.4	2.7	35.6	<1	689.9	.2	1.4	.2	1.4	237	1	44.9	15.1	8.2	17.1	2.31	11.2	2.9	.84	2.96	.44	2.65	.54	1.65	.22	1.43	.22
GEBR-10085	687	27.8	1.8	14.9	2.5	4.7	41.1	13	29.8	.4	4.1	.1	1.6	152	5	91.4	20.1	15.3	32.5	3.99	16.3	3.9	.98	3.70	.60	3.65	.72	2.38	.34	2.17	.32
GEBR-10094	1097	18.7	.7	8.9	1.8	4.8	22.1	1	65.2	.4	4.3	<.1	2.1	152	4	60.8	21.0	20.5	30.0	4.84	18.9	4.1	.83	3.82	.57	3.54	.74	2.28	.31	2.05	.28
GEBR-10081	125	39.3	.8	17.2	2.5	2.3	6.5	1	114.2	.2	.2	<.1	.1	276	1	80.9	28.6	3.6	11.0	1.73	9.2	3.0	1.29	4.06	.77	4.61	1.00	3.15	.44	2.82	.40
GEBR-10093	1549	38.7	.9	17.4	3.2	3.5	15.3	1	211.1	.3	.3	<.1	<.1	291	1	108.0	35.0	4.9	14.5	2.24	11.9	3.8	1.32	4.78	.90	5.71	1.22	3.77	.52	3.39	.47
GEBR-10098	253	20.6	.7	12.8	2.7	5.8	11.1	5	75.9	.5	4.2	<.1	1.8	137	4	109.3	22.8	20.8	38.5	5.27	21.7	4.6	1.19	4.62	.74	4.27	.85	2.80	.36	2.50	.37
GEBR-10084	717	38.5	2.1	14.7	2.5	5.0	44.1	14	52.4	.4	4.1	.1	1.6	141	5	86.3	16.4	14.2	33.8	3.55	14.7	3.4	.93	3.10	.50	3.07	.62	1.97	.26	1.77	.28
STANDARD SO-15	2068	22.1	2.9	17.4	27.4	31.6	65.9	18	395.9	1.8	24.7	.9	20.3	148	22	1050.7	23.4	29.5	60.2	6.14	23.2	4.4	.99	3.93	.58	3.77	.76	2.59	.36	2.53	.41

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

Data FA

SAMPLE#	Ba ppm	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
GEBR-10082	138	41.5	.7	15.7	2.5	2.6	4.1	2	129.6	.2	.3	.6	.1	290	<1	90.1	33.0	4.3	12.4	1.97	10.7	3.4	1.22	4.24	.78	5.01	1.13	3.49	.47	3.16	.47
GEBR-10087	111	.8	1.7	14.3	3.0	41.4	123.1	3	35.7	4.2	17.5	1.2	6.8	5	6	50.0	27.9	12.5	27.2	3.14	11.1	3.2	.19	3.23	.64	4.13	.84	2.63	.38	2.67	.38
GEBR-10092	328	45.4	5.0	18.4	3.5	3.7	9.6	2	111.7	.3	.3	.7	.2	351	<1	124.9	45.6	5.1	15.0	2.57	14.5	4.6	1.66	5.84	1.09	7.28	1.56	4.69	.67	4.36	.64
GEBR-10083	565	121.3	1.3	13.6	1.4	3.3	30.9	11	28.0	.3	2.8	.2	1.0	92	4	53.4	8.1	9.1	21.3	2.14	8.7	1.8	.76	1.62	.23	1.44	.31	.93	.13	.97	.16
GEBR-10091	145	42.3	1.0	17.3	3.2	3.3	5.2	2	109.3	.4	.5	.3	.4	346	2	113.3	42.1	5.4	15.3	2.47	13.4	4.3	1.67	5.42	1.02	6.53	1.40	4.31	.59	3.91	.59
GEBR-10095	335	50.1	.3	20.8	4.3	16.0	1.1	2	23.2	1.3	1.4	.1	.4	360	2	162.2	38.3	13.6	32.3	4.52	21.0	5.5	1.84	5.96	1.05	6.66	1.42	4.27	.60	4.05	.56
GEBR-10100	5972	8.6	1.5	8.6	1.4	4.1	44.1	1	21.9	.5	4.3	.3	1.1	92	3	51.5	15.2	22.0	32.1	4.75	18.6	3.4	.38	3.09	.42	2.81	.53	1.67	.22	1.61	.24
GEBR-10096	4411	10.7	4.8	18.3	6.1	15.1	147.3	3	71.5	1.6	15.2	.5	4.2	45	3	209.2	29.5	43.1	87.7	9.96	38.9	7.5	1.07	5.70	.89	5.51	1.00	2.98	.38	2.60	.35
GEBR-10086	864	42.4	.4	14.4	1.2	2.2	44.1	<1	841.9	.2	1.6	<.1	.8	273	1	40.1	16.1	9.1	17.8	2.34	11.1	2.8	.93	2.95	.47	2.71	.53	1.60	.22	1.51	.22
GEBR-10099	373	14.5	12.6	19.0	9.1	18.4	144.3	7	149.8	2.2	17.4	.5	5.0	75	5	316.0	35.9	45.3	100.6	10.50	40.4	7.2	1.29	5.78	1.01	6.19	1.18	3.61	.51	3.41	.49
GEBR-10089	87	1.1	2.0	18.6	3.2	35.7	201.4	4	49.4	3.9	16.5	.8	7.2	<5	6	58.0	24.6	17.7	36.9	3.92	13.2	3.3	.22	3.10	.58	3.63	.74	2.38	.35	2.46	.36
RE GEBR-10089	93	.9	2.0	18.1	3.0	36.3	199.4	5	46.5	3.8	16.1	1.0	7.1	<5	6	58.1	23.7	17.8	36.4	3.96	13.5	3.2	.22	3.12	.56	3.76	.73	2.40	.36	2.48	.34
RRE GEBR-10089	82	1.0	1.9	18.2	3.1	35.8	190.8	5	48.1	3.8	16.1	.8	7.0	<5	6	57.6	24.2	17.3	36.1	3.81	13.2	3.1	.22	3.18	.55	3.66	.75	2.32	.34	2.46	.36
GEBR-10097	858	39.0	.7	17.2	3.7	4.1	9.9	1	261.3	.3	.4	<.1	.2	335	<1	125.3	42.2	6.0	16.9	2.71	14.7	4.5	1.54	5.58	1.02	6.60	1.42	4.45	.60	3.96	.58
GEBR-10090	1119	37.6	.6	20.4	3.4	17.5	15.1	2	354.1	1.4	2.3	<.1	.6	190	<1	113.6	22.6	14.8	30.4	3.94	18.5	4.8	1.61	5.01	.77	4.36	.79	2.18	.28	1.72	.23
STANDARD SO-15	2040	22.2	3.0	16.5	26.8	31.9	66.1	19	401.6	2.0	24.5	1.1	20.2	157	20	1058.3	24.3	30.0	59.1	6.31	24.3	4.5	1.04	3.87	.61	3.83	.75	2.48	.36	2.53	.42

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

Data ✓ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002202R Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
NWRR-10173	<.5	62	<3	94	101	2	.4	<1	1
NWRR-10181	<.5	58	<3	81	60	<2	.4	2	1
NWRR-10197	.5	52	<3	58	109	<2	.3	<1	1
NWRR-10176	1.6	34	9	56	36	6	<.2	1	1
NWRR-10164	1.1	27	<3	76	54	<2	.4	1	<1
NWRR-10180	<.5	73	3	78	99	2	.4	<1	2
NWRR-10172	.8	52	<3	92	79	5	.3	<1	1
NWRR-10161	2.1	167	<3	23	32	55	<.2	<1	<1
NWRR-10195	<.5	4	<3	55	23	<2	.4	<1	1
NWRR-10178	<.5	184	<3	108	171	6	.4	2	1
NWRR-10186	.8	64	<3	155	84	2	.4	<1	1
NWRR-10174	.7	73	5	51	25	5	.3	<1	1
NWRR-10184	5.9	12	7	41	12	13	<.2	2	<1
NWRR-10198	1.2	58	<3	87	80	3	.2	<1	1
NWRR-10191	<.5	32	<3	66	71	2	.2	<1	1
NWRR-10196	1.0	6	27	69	4	2	.2	1	<1
NWRR-10171	<.5	126	<3	113	286	53	.3	1	<1
NWRR-10162	1.9	177	<3	19	28	39	<.2	<1	1
NWRR-10194	<.5	131	<3	74	106	2	.3	<1	<1
NWRR-10166	.9	34	13	77	14	5	.2	<1	<1
NWRR-10188	.7	59	<3	82	81	<2	.3	<1	1
NWRR-10170	<.5	38	<3	77	49	4	.4	<1	1
NWRR-10189	<.5	63	3	102	69	<2	.4	<1	1
RE NWRR-10189	<.5	63	<3	103	71	<2	.3	1	1
RRE NWRR-10189	<.5	60	<3	81	70	3	.4	<1	1
NWRR-10185	<.5	51	<3	73	77	2	.2	<1	1
NWRR-10179	4.2	330	3	28	71	5	<.2	2	<1
NWRR-10192	.7	30	<3	20	14	2	<.2	2	<1
NWRR-10168	<.5	48	<3	78	6	2	.2	<1	1
NWRR-10175	<.5	66	<3	70	121	<2	.3	<1	1
NWRR-10177	<.5	5	<3	53	29	<2	<.2	<1	2
NWRR-10183	<.5	9	21	63	11	6	<.2	1	<1
NWRR-10193	<.5	31	<3	77	58	2	.4	<1	1
STANDARD CT3	27.5	67	41	183	39	63	22.4	23	23
STANDARD G-2	2.1	2	21	51	7	<2	.2	<1	<1

GROUP 1EX - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, AU, W - 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 18/00 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
NWRR-10182	2.1	64	<3	77	60	3	.2	3	<1
NWRR-10165	1.3	56	<3	90	79	<2	.2	<1	<1
NWRR-10190	<.5	70	3	82	111	25	.4	1	1
NWRR-10167	1.4	65	9	5	12	7	<.2	2	<1
NWRR-10187	<.5	80	<3	83	120	<2	<.2	<1	<1
GSMR-10075	1.0	53	5	47	75	2	<.2	1	1
GSMR-10061	1.0	28	15	48	14	2	<.2	<1	<1
GSMR-10063	6.2	19	49	4360	13	27	13.2	2	1
GSMR-10065	1.8	11	43	74	17	10	<.2	3	<1
GSMR-10073	2.0	8	19	70	9	9	.8	4	<1
GSMR-10076	<.5	78	<3	84	65	<2	<.2	<1	1
GSMR-10068	<.5	313	<3	80	80	<2	<.2	<1	1
GSMR-10062	1.6	25	15	62	18	<2	<.2	1	<1
GSMR-10072	7.5	11	20	11	12	7	<.2	3	<1
GSMR-10074	4.9	19	48	16	11	9	.4	6	<1
GSMR-10077	<.5	63	<3	71	193	<2	<.2	<1	1
GSMR-10070	1.9	10	24	4	12	17	<.2	2	1
GSMR-10064	16.9	28	92	25	24	16	<.2	10	<1
GSMR-10066	1.0	36	14	83	14	3	<.2	2	<1
GSMR-10079	1.3	71	6	38	32	4	<.2	<1	1
GSMR-10067	12.5	22	62	26	19	8	<.2	8	<1
GSMR-10069	1.2	47	3	44	98	<2	<.2	<1	1
RE GSMR-10069	1.3	47	<3	45	97	3	.2	<1	1
RRE GSMR-10069	1.0	49	<3	44	98	3	<.2	<1	1
GSMR-10078	<.5	36	<3	79	184	<2	.2	<1	1
GSMR-10071	2.5	10	16	20	10	4	<.2	4	1
GSMR-10080	<.5	31	<3	100	96	<2	.3	<1	1
GEBR-10088	2.7	87	5	94	90	<2	.3	2	1
GEBR-10085	4.2	322	5	32	37	<2	<.2	1	1
GEBR-10094	4.1	99	6	49	62	<2	<.2	<1	1
GEBR-10081	.6	56	3	78	88	2	<.2	1	2
GEBR-10093	<.5	33	3	73	82	<2	<.2	<1	1
GEBR-10098	5.5	391	35	151	49	4	.2	1	1
GEBR-10084	9.0	2248	5	13	30	3	<.2	2	2
STANDARD CT3	27.7	66	42	184	39	61	22.3	23	23
STANDARD G-2	2.0	3	22	52	7	<2	<.2	<1	<1

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

Data ✓ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
GEBR-10082	1.0	66	<3	71	92	3	.2	<1	<1
GEBR-10087	1.5	3	20	23	1	5	<.2	2	1
GEBR-10092	<.5	61	<3	101	90	2	.2	<1	<1
GEBR-10083	133.9	5323	22	77	46	7	.8	9	8
GEBR-10091	1.1	63	<3	84	91	<2	<.2	<1	<1
GEBR-10095	<.5	90	<3	100	52	2	.3	4	<1
GEBR-10100	2.0	62	25	49	33	5	.2	1	<1
GEBR-10096	.5	11	21	59	9	2	.2	5	1
GEBR-10086	1.5	129	6	75	36	2	.3	1	<1
GEBR-10099	14.2	166	34	129	35	26	.4	<1	4
GEBR-10089	1.4	6	33	42	3	21	.6	1	1
RE GEBR-10089	1.2	6	34	42	2	24	.8	1	1
RRE GEBR-10089	.9	6	33	40	4	22	.8	1	1
GEBR-10097	.6	49	<3	78	54	<2	.4	<1	<1
GEBR-10090	.6	18	<3	108	32	3	.2	<1	<1
STANDARD CT3	27.6	65	40	185	38	59	22.6	23	22
STANDARD G-2	2.3	3	20	49	7	<2	.2	<1	1

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

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002291 Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
SDWX-10229	2.48	20.47	6.82	88.2	161	21.5	40.6	9831	4.13	78.1	.3	3.5	.4	43.2	.59	.34	.11	113	1.45	.133	8.5	49.3	.54	256.2	.058	1	1.69	.009	.07	<.2	.09	211	.7	.02	4.2
SDWX-10221	.44	64.89	5.96	57.1	192	39.8	17.6	2221	2.64	8.6	.3	3.4	1.0	27.0	.33	.49	.11	80	1.19	.064	10.9	60.2	.86	317.2	.167	3	1.89	.009	.08	<.2	.04	102	.8	.02	4.9
SDWX-10232	.75	68.10	5.87	114.8	214	45.7	21.3	3376	3.14	20.0	.4	4.8	.6	35.4	.38	.66	.08	95	1.54	.082	10.1	79.9	.93	269.9	.122	4	2.36	.008	.08	<.2	.05	147	.8	.02	5.3
SDWX-10225	.62	60.59	5.70	49.3	261	28.8	13.1	1221	2.42	5.6	.4	1.5	.5	31.5	.35	.54	.07	87	1.38	.082	11.6	55.5	.66	92.2	.160	5	1.84	.011	.09	<.2	.03	93	.9	<.02	4.9
SDWX-10222	.77	75.84	7.31	65.7	139	45.0	20.0	2590	2.84	9.7	.3	3.8	1.0	31.3	.38	.54	.13	87	1.35	.074	12.6	67.2	.92	348.2	.171	2	2.25	.010	.09	<.2	.04	119	.8	.03	5.3
SDWX-10234	1.61	50.36	16.09	144.0	667	45.9	22.3	6738	2.75	6.7	3.8	4.2	.5	89.1	2.25	.42	.16	39	1.67	.141	25.7	40.7	.41	574.0	.025	2	1.78	.006	.12	<.2	.13	279	1.9	.03	3.0
SDWX-10249	.39	24.44	5.37	99.1	179	14.3	4.3	916	.84	1.5	.7	1.5	.2	92.2	.34	.49	.06	10	2.40	.070	6.7	30.4	.15	96.7	.013	5	.45	.003	.07	<.2	.03	107	2.4	.02	1.1
SDWX-10228	.34	26.46	2.38	70.6	67	13.2	9.1	1353	1.46	1.6	.1	.5	.2	19.0	.16	.26	.03	54	1.00	.052	4.2	26.5	.35	37.9	.095	2	.94	.009	.06	<.2	.02	68	1.3	<.02	2.4
SDWX-10239	.56	40.80	13.57	86.8	226	47.7	17.8	1198	3.11	7.5	1.4	2.9	3.2	46.0	.21	.71	.17	60	.93	.069	18.4	61.2	.84	221.3	.119	2	1.67	.007	.09	<.2	.05	87	.6	.04	4.7
SDWX-10251	.49	35.94	5.73	60.4	121	45.7	15.1	1585	2.69	4.9	.9	2.8	1.5	24.1	.20	.36	.10	77	1.03	.057	10.2	64.8	.87	302.7	.159	3	1.86	.007	.05	<.2	.03	74	.8	.03	5.3
SL 0227	.51	36.64	5.35	52.5	126	32.5	18.5	1168	3.02	3.0	.3	.7	.7	28.7	.23	.30	.09	116	1.40	.073	10.3	67.0	.76	81.9	.187	4	2.31	.014	.07	<.2	.04	123	1.2	<.02	6.1
SDWX-10255	1.93	42.77	7.00	157.6	199	59.2	40.3	11675	4.06	9.3	.5	4.5	.7	41.8	.80	.41	.08	94	1.38	.096	12.2	61.9	.75	1045.4	.121	3	2.23	.008	.11	<.2	.06	163	1.0	<.02	5.0
SDWX-10230	.38	50.92	4.10	57.7	88	43.4	20.1	947	3.23	10.3	.3	4.1	.7	29.3	.20	.53	.06	119	1.28	.056	7.5	76.9	1.20	99.9	.276	3	2.60	.016	.07	<.2	.03	86	.6	<.02	7.6
SDWX-10226	.71	51.12	6.79	56.2	175	29.4	12.2	1227	2.23	3.9	.4	123.2	.5	53.1	.37	.60	.11	80	2.20	.116	12.1	61.8	.61	83.1	.108	8	1.72	.013	.17	<.2	.04	184	3.1	.02	4.1
SDWX-10254	.97	69.32	7.75	127.3	250	44.9	23.7	3430	3.28	6.2	1.2	2.0	.6	32.0	.39	.36	.10	91	1.38	.088	15.3	68.7	.81	479.1	.120	4	2.51	.007	.04	<.2	.06	181	.7	.02	5.8
SDWX-10233	1.07	32.42	9.66	50.5	39	13.1	13.7	489	4.12	3.0	.6	1.3	3.0	47.1	.07	.08	.15	161	.47	.045	13.3	44.5	.54	93.7	.375	<1	4.29	.113	.06	<.2	.13	33	.6	.04	10.8
SDWX-10224	.76	59.39	7.04	72.3	155	38.5	23.7	3339	3.31	9.0	.4	133.4	.7	36.1	.35	.40	.11	97	1.67	.088	10.6	63.1	.76	207.4	.126	3	2.23	.009	.08	<.2	.06	158	.7	.02	5.2
SDWX-10237	.50	30.06	10.27	56.3	57	34.1	12.6	516	2.66	5.2	.5	5.4	5.7	17.4	.15	.40	.12	56	.46	.070	21.9	49.2	.59	145.4	.128	3	1.25	.006	.05	<.2	.03	25	.3	.02	3.7
SDWX-10252	.61	52.85	8.34	184.0	180	53.8	21.7	2493	3.24	5.7	.6	3.2	1.2	31.0	.36	.44	.09	91	1.48	.078	12.7	69.7	.94	408.4	.147	3	2.27	.009	.07	<.2	.04	123	1.4	.03	5.7
SDWX-10259	.87	82.59	16.93	93.0	374	54.6	19.0	1088	3.62	10.0	.7	6.9	1.0	22.4	.52	.87	.17	111	1.24	.081	14.1	99.4	.94	342.3	.128	3	2.49	.008	.08	<.2	.06	141	.9	.02	6.7
SDWX-10256	.61	44.06	4.73	61.6	73	44.1	20.0	805	3.27	5.9	.3	1.9	.9	24.2	.16	.32	.07	116	1.47	.068	7.6	61.7	1.20	143.5	.306	4	2.63	.019	.06	<.2	.03	63	.6	<.02	7.4
SDWX-10223	.84	58.19	7.13	112.1	131	32.2	15.0	2826	2.41	4.5	.4	2.4	.2	42.3	.39	.43	.10	79	2.13	.117	10.3	50.7	.59	302.8	.085	7	1.83	.009	.12	<.2	.06	203	1.0	.02	3.9
RE SDWX-10256	.57	42.19	4.44	59.9	66	42.8	19.5	793	3.20	5.6	.3	2.3	.9	23.0	.15	.31	.07	112	1.43	.064	7.1	62.4	1.17	139.1	.298	6	2.58	.018	.05	<.2	.02	64	.5	<.02	7.2
SDWX-10250	1.00	37.47	12.87	146.9	253	43.3	14.7	2515	2.87	7.2	1.1	2.2	1.5	71.0	.41	.54	.12	41	1.54	.099	18.5	46.1	.56	411.8	.059	6	1.55	.006	.09	<.2	.05	142	2.3	.02	3.8
SDWX-10238	1.48	46.44	14.63	112.4	255	57.8	19.5	1015	3.19	10.1	1.5	18.8	2.9	42.6	.38	.94	.14	65	1.09	.102	19.4	67.9	.94	322.7	.125	6	1.79	.009	.12	<.2	.05	95	1.6	.03	5.0
SDWX-10236	2.83	89.16	15.23	194.7	417	72.9	31.7	19800	4.82	12.9	1.3	3.8	1.4	52.7	1.18	.54	.22	65	1.46	.116	22.0	57.9	.66	1682.4	.069	3	1.99	.009	.13	<.2	.10	204	1.8	.03	4.7
SDWX-10257	1.08	73.96	7.36	74.2	195	43.0	17.3	1119	2.89	4.6	.5	265.0	.5	29.2	.24	.30	.08	94	1.25	.095	12.9	69.2	.92	511.2	.182	4	2.60	.013	.08	<.2	.04	128	1.0	.04	5.7
SDWX-10260	.83	52.01	17.92	148.4	156	46.0	19.7	1096	3.15	12.4	.8	138.7	1.7	26.7	.42	.91	.34	85	1.04	.069	11.2	62.0	.97	361.0	.137	3	2.03	.008	.07	<.2	.06	101	1.5	.02	5.4
SDWX-10235	2.61	65.48	15.57	306.1	538	59.4	46.7	13423	4.76	12.1	1.4	3.1	.7	42.4	1.49	.51	.15	112	1.84	.134	20.1	68.0	.58	707.8	.074	2	2.55	.008	.24	<.2	.15	291	4.6	.03	5.3
S 10258	1.36	141.79	15.09	118.5	231	64.5	22.7	1731	3.17	8.8	1.8	11.3	.7	46.8	.35	.63	.14	87	1.47	.117	16.4	107.2	1.28	1010.9	.130	6	2.26	.010	.11	<.2	.05	144	3.9	.10	5.7
SDWX-10231	1.32	38.06	7.77	66.2	215	33.2	20.7	1929	3.01	11.3	.6	2.4	.4	27.1	.44	.48	.09	109	1.07	.106	11.7	71.5	.67	121.6	.115	3	2.33	.012	.12	<.2	.05	180	.7	<.02	6.3
SDWX-10253	.55	54.88	8.78	65.7	162	45.6	17.9	1222	2.84	5.5	.5	299.9	1.0	28.3	.30	.44	.10	84	1.46	.072	11.3	62.3	.93	312.4	.153	3	2.07	.009	.08	<.2	.04	102	1.5	.02	5.4
SDWX-10248	.91	39.63	7.88	83.4	177	54.0	22.4	2720	3.85	4.8	.4	5.4	.5	24.8	.30	.23	.11	95	.85	.099	9.1	68.8	.86	498.7	.113	6	2.26	.007	.07	<.2	.06	117	.6	.04	5.9
SDWX-10240	.54	31.15	14.90	67.3	115	42.2	16.0	736	2.87	7.3	1.5	3.8	4.0	27.0	.17	.52	.15	51	.66	.063	22.3	49.0	.77	185.0	.112	3	1.49	.006	.08	<.2	.04	58	.5	.02	4.5
STANDARD DS2	13.87	127.17	35.49	158.1	270	35.6	11.8	824	3.07	58.2	21.4	221.5	3.6	27.4	10.88	9.93	11.28	73	.53	.091	17.3	163.0	.60	149.3	.092	3	1.69	.030	.15	7.4	1.82	247	2.4	1.81	5.7

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: MOSS MAT Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 10 2000 DATE REPORT MAILED: July 31/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG: CERTIFIED B.C. ASSAYERS

Data ✓ 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
GSMX-10264	1.08	42.29	6.17	101.7	217	39.8	36.8	10730	3.46	5.7	.5	2.8	.3	32.2	.43	.36	.10	104	1.35	.115	11.7	60.9	.57	586.5	.120	1	2.27	.010	.06	<.2	.06	176	.7	.02	5.1
GSMX-10271	1.99	77.14	11.08	105.6	335	36.4	19.2	4813	2.71	4.3	1.4	3.9	.3	56.6	.64	.43	.19	93	1.93	.130	11.8	61.0	.61	606.9	.128	5	2.02	.012	.16	<.2	.08	274	1.9	.03	5.0
GSMX-10273	1.10	67.83	8.24	94.7	278	34.6	52.9	11041	4.88	54.9	.4	2.6	.4	36.9	.69	.49	.08	171	1.59	.124	14.1	57.0	.53	233.5	.110	2	2.09	.012	.09	<.2	.10	255	.9	<.02	4.8
GSMX-10269	1.52	48.12	12.62	169.4	410	46.1	45.0	12763	4.40	10.1	.9	4.0	.5	55.3	1.20	.69	.11	80	1.41	.177	20.6	42.8	.39	939.9	.075	3	1.95	.017	.18	<.2	.11	176	.9	.02	3.4
GSMX-10261	.83	57.71	5.89	67.7	210	26.6	19.9	2110	2.57	3.8	.4	2.1	.2	34.6	.47	.38	.07	89	1.58	.107	12.8	48.5	.42	310.2	.127	5	2.01	.011	.13	<.2	.04	158	.6	<.02	4.6
GSMX-10270	1.37	52.74	26.45	131.1	343	50.7	24.7	4040	4.12	17.0	1.0	2.7	1.6	24.7	.84	1.19	.25	106	.92	.088	16.0	68.1	.80	406.1	.121	1	2.44	.011	.09	<.2	.11	121	.6	.03	6.9
GSMX-10262	.85	60.28	5.53	66.5	228	24.7	21.0	2288	2.73	3.6	.4	1.8	.3	34.9	.48	.47	.08	92	1.64	.103	13.2	49.3	.41	307.0	.122	4	2.10	.010	.12	<.2	.04	163	.8	<.02	4.7
GSMX-10272	.56	13.80	7.68	57.9	104	17.2	15.5	2075	2.37	6.4	.1	.3	.3	22.3	.19	.15	.07	66	.91	.122	5.1	31.5	.43	110.6	.090	2	1.10	.012	.09	<.2	.07	125	.4	.02	3.6
GSMX-10266	1.13	32.88	9.70	53.1	37	13.9	14.5	505	4.44	2.6	.7	1.3	3.2	54.8	.09	.11	.16	170	.52	.051	13.2	45.1	.58	94.8	.386	<1	4.64	.141	.06	<.2	.14	38	.4	.05	11.5
GSMX-10265	1.48	53.24	4.93	136.6	255	34.4	74.4	18382	4.99	6.2	.4	1.8	.3	44.9	.75	.32	.06	143	1.73	.124	12.4	44.0	.42	480.3	.108	3	2.40	.014	.13	<.2	.08	240	.7	.03	4.9
GSMX-10268	1.30	40.42	16.44	148.5	363	46.7	42.6	12161	4.08	11.0	.8	4.2	.9	32.3	1.16	.72	.18	87	1.02	.089	14.8	54.5	.59	691.7	.097	2	2.26	.010	.07	<.2	.12	170	.7	.03	5.3
GS 0267	1.65	40.84	11.27	82.9	338	21.0	20.1	6479	3.11	4.4	.5	2.4	.1	39.9	.59	.45	.07	99	1.53	.158	9.3	51.2	.39	334.4	.052	3	1.70	.015	.14	<.2	.09	254	.9	.02	3.9
RS 0284	.43	42.14	4.66	62.8	106	44.8	20.2	739	3.78	6.5	.3	2.1	1.0	23.0	.14	.40	.06	134	1.28	.068	6.2	66.2	1.17	152.8	.312	2	2.82	.020	.04	<.2	.02	73	.5	.02	8.6
RSHX-10241	.90	74.52	9.42	146.2	385	62.7	21.0	1594	3.32	6.2	1.0	4.1	.8	29.3	.55	.75	.13	96	1.46	.116	13.8	81.0	1.00	330.8	.173	3	2.56	.014	.14	<.2	.05	155	1.6	.04	6.1
RSHX-10274	.99	42.25	14.20	133.6	232	48.3	32.4	7836	3.24	14.0	1.4	4.4	1.9	28.9	.89	.71	.18	51	1.04	.087	25.8	41.3	.57	430.2	.068	3	1.89	.009	.14	<.2	.08	129	.8	.05	4.0
RSHX-10243	.67	74.93	8.50	94.0	225	48.2	26.7	2622	3.70	4.5	.8	3.3	1.0	29.7	.35	.52	.11	112	1.25	.084	13.3	77.9	.98	299.4	.177	2	2.53	.010	.06	<.2	.05	134	.7	.03	6.4
RSHX-10283	.63	143.53	5.65	26.3	267	11.3	5.2	570	.91	6.6	.7	4.1	.1	39.8	.39	.81	.06	47	2.19	.176	17.4	91.2	.34	36.4	.021	6	.73	.009	.11	<.2	.06	356	5.8	<.02	2.0
RSHX-10288	.99	41.94	12.99	92.5	257	20.9	26.7	10501	2.38	7.4	.5	4.4	.2	43.4	.66	.66	.08	60	1.66	.138	14.7	37.5	.37	211.4	.054	4	2.02	.014	.25	<.2	.07	223	.8	.02	2.8
RSHX-10242	.75	63.39	13.07	117.0	288	56.4	20.6	1409	3.19	5.4	.8	17.6	.8	26.9	.42	.62	.36	93	1.26	.112	11.5	74.0	1.00	295.1	.174	3	2.33	.013	.12	<.2	.04	111	1.2	.02	5.7
RSHX-10275	.75	43.14	7.66	132.2	313	59.7	15.1	1422	2.60	4.1	.8	4.1	.8	37.2	.40	.33	.10	58	1.03	.105	13.5	55.4	.72	370.4	.079	3	2.12	.009	.10	<.2	.05	115	.5	.03	4.4
RSHX-10278	.88	33.26	15.45	130.8	300	50.2	14.7	1100	2.64	6.3	2.5	4.7	2.2	53.0	.49	.68	.16	42	.82	.087	21.8	42.3	.68	354.1	.059	3	1.62	.015	.18	<.2	.05	117	1.4	.03	3.9
RSHX-10282	1.02	10.89	10.50	47.1	104	9.3	38.2	9652	3.70	15.4	.1	2.5	.1	36.6	.47	.26	.08	54	1.22	.178	3.2	14.3	.21	234.0	.012	2	.61	.010	.19	<.2	.12	189	.5	.02	1.5
RSHX-10244	.99	80.03	8.38	134.1	446	64.2	23.2	2666	2.95	6.0	1.1	2.5	.6	26.3	1.00	.65	.11	75	1.45	.146	14.8	69.5	.92	340.4	.122	4	2.18	.013	.47	<.2	.06	168	3.5	.02	4.5
RE RSHX-10298	.80	38.69	19.15	104.1	265	45.4	17.6	1109	3.07	15.2	2.3	15.5	3.4	34.1	.36	.93	.21	41	.58	.090	25.9	38.9	.70	256.9	.054	2	1.58	.006	.13	<.2	.06	80	.6	.04	4.3
RSHX-10298	.83	39.51	20.05	106.7	276	45.6	18.9	1117	3.11	15.1	2.4	20.2	3.6	33.7	.38	.93	.22	42	.59	.094	27.3	37.4	.69	255.7	.054	2	1.62	.007	.13	<.2	.06	77	.5	.04	4.3
RSHX-10245	.62	47.37	7.23	78.2	149	47.8	22.6	1473	3.22	4.5	.8	5.9	1.7	35.0	.28	.55	.09	93	1.08	.072	10.3	61.5	1.14	225.7	.262	2	2.19	.011	.13	<.2	.03	68	.7	.02	5.8
RSHX-10279	.69	47.04	8.03	78.7	161	51.1	19.6	989	3.07	6.7	1.2	2.2	2.0	44.1	.28	.66	.10	81	1.24	.103	13.0	57.8	1.02	220.9	.172	2	1.97	.012	.08	<.2	.03	77	1.0	.02	5.3
RSHX-10293	.57	60.34	4.54	56.8	185	29.6	13.8	842	2.40	40.2	.4	366.6	.4	29.3	.21	.67	.07	79	1.41	.087	9.3	58.8	.71	139.6	.128	4	1.82	.011	.09	<.2	.03	140	1.5	<.02	4.7
RSHX-10300	1.05	32.76	23.09	143.3	278	43.9	35.6	5685	3.01	24.7	3.2	5.7	3.2	44.8	1.06	.81	.23	28	.60	.108	38.4	25.9	.50	282.7	.030	1	1.52	.007	.17	<.2	.09	114	.6	.04	3.5
RSHX-10246	.94	57.18	10.10	107.6	227	57.7	22.0	1042	3.30	6.6	1.1	7.4	2.2	52.5	.39	.81	.13	79	1.31	.154	15.0	57.8	1.16	234.3	.159	1	2.00	.013	.09	<.2	.04	79	1.2	.04	5.3
R 0292	.67	76.78	5.78	37.2	129	10.5	4.9	784	.73	13.2	.3	7.8	.1	43.4	.32	.91	.05	26	1.91	.142	12.3	30.2	.22	91.5	.026	8	.98	.009	.19	<.2	.04	214	3.5	<.02	1.4
RSHX-10276	1.13	35.04	14.39	112.8	208	49.0	20.7	2248	3.21	10.0	1.5	3.3	3.6	42.3	.37	.90	.16	51	.75	.092	22.9	44.4	.74	228.0	.075	<1	1.67	.008	.12	<.2	.05	83	.7	.02	4.5
RSHX-10291	.32	36.48	4.47	51.6	62	35.9	16.3	795	2.76	19.5	.3	7.2	1.2	21.2	.14	.49	.06	90	1.15	.058	7.2	53.1	1.01	117.0	.201	3	1.95	.014	.07	<.2	.03	65	.6	.02	5.8
RSHX-10280	.87	56.42	5.79	204.9	244	47.8	35.7	7618	4.12	8.2	.6	5.2	.8	27.3	.49	.41	.08	90	1.18	.088	11.1	55.6	.60	432.9	.105	2	1.98	.011	.11	<.2	.05	129	1.2	.02	4.7
STANDARD DS2	13.55	131.79	34.28	159.1	265	35.2	12.5	829	3.08	56.2	21.4	226.4	3.5	27.5	10.61	10.27	10.91	74	.53	.100	16.5	159.8	.59	146.1	.090	2	1.70	.031	.16	7.9	1.81	239	2.3	1.90	5.9

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

Data 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
RSHX-10285	.60	57.87	7.16	75.0	108	56.6	20.4	1103	3.66	8.3	.4	35.1	1.2	26.5	.20	.51	.09	130	1.36	.072	9.1	81.5	1.25	259.7	.288	3	2.74	.020	.06	<.2	.04	87	1.0	.04	7.9
RSHX-10277	.96	36.83	17.78	84.4	84	58.1	20.0	868	3.56	8.4	1.4	211.7	7.5	27.6	.17	.78	.19	67	.64	.077	29.8	66.4	1.06	188.1	.147	2	2.01	.009	.13	<.2	.05	52	.2	.04	5.9
RSHX-10295	1.00	28.71	20.99	122.7	307	32.5	27.0	4335	2.90	18.4	2.6	5.0	2.4	44.5	.65	.76	.19	40	.76	.128	30.4	27.4	.50	254.8	.060	3	1.53	.008	.38	<.2	.09	139	.7	<.02	3.7
RSHX-10286	.64	126.79	7.38	46.1	183	35.1	12.7	321	2.10	3.5	.5	3.9	1.0	14.6	.16	.39	.08	103	.72	.059	11.7	59.2	.64	87.4	.161	2	2.03	.012	.06	<.2	.06	100	.6	.02	6.0
RSHX-10297	.95	37.14	13.13	99.4	201	46.6	16.2	1228	2.87	7.0	1.2	4.1	4.4	42.5	.29	.90	.14	53	.87	.082	21.9	39.3	.84	362.5	.113	3	1.51	.009	.10	<.2	.05	94	.6	.04	4.3
RSHX-10289	.80	39.58	5.44	304.2	165	30.9	21.4	7495	2.87	6.6	.3	3.7	.5	41.2	.44	.35	.06	77	1.67	.116	9.0	43.3	.52	228.2	.090	6	2.02	.015	.17	<.2	.05	150	.5	<.02	4.1
RSHX-10294	.74	26.27	18.28	148.3	279	30.5	22.3	3007	2.46	8.1	2.1	2.2	1.6	39.2	.85	.54	.16	32	.77	.108	24.7	22.3	.42	209.5	.039	2	1.39	.008	.24	<.2	.07	134	.8	<.02	3.1
RSHX-10247	.62	39.37	11.23	76.4	367	60.4	15.4	2041	2.17	6.6	2.1	2.0	.6	82.0	.27	.56	.11	38	1.48	.101	23.6	61.4	.56	209.1	.047	3	1.51	.009	.34	<.2	.05	146	.8	.03	3.6
RSHX-10296	1.05	23.92	23.55	180.7	522	28.8	33.4	9279	2.49	6.8	5.0	2.5	1.4	69.0	1.01	.47	.17	21	1.01	.145	48.5	19.6	.23	499.0	.009	3	1.35	.012	.28	<.2	.09	177	1.2	<.02	2.6
RSHX-10287	.73	62.54	6.14	62.2	168	36.4	19.0	830	2.98	6.3	.3	3.4	.7	30.0	.22	.45	.07	110	1.15	.062	9.7	68.7	.88	76.2	.184	3	2.39	.015	.06	<.2	.04	119	.8	<.02	6.7
RSHX-10299	14.42	230.43	40.07	58.7	154	13.7	6.0	290	3.12	111.4	2.2	5.5	11.2	8.9	.13	.59	42.72	40	.09	.074	22.3	25.4	.50	72.0	.107	3	1.71	.021	.27	114.6	.29	<5	.8	.18	6.0
RSHX 31	1.05	11.72	14.39	56.8	112	9.3	39.1	10590	4.16	17.1	.1	1.7	.1	37.1	.52	.25	.17	66	1.24	.163	3.4	15.2	.21	248.1	.009	3	.66	.009	.15	.7	.13	195	.5	<.02	1.9
RSHX-10290	1.06	25.89	6.78	78.1	203	23.3	38.5	11965	4.12	19.1	.3	2.1	.4	31.8	.51	.33	.09	91	1.11	.118	10.1	37.9	.33	242.6	.052	1	1.47	.012	.24	<.2	.08	175	.6	<.02	4.1
GEBX-10321	.88	138.82	5.43	56.3	137	34.5	6.2	1078	1.16	8.0	1.4	3.1	.1	52.1	.34	1.03	.07	46	2.41	.115	5.7	51.6	.30	233.4	.037	9	.75	.006	.09	<.2	.04	198	6.0	<.02	2.2
GEBX-10340	.42	44.99	3.34	48.2	50	124.3	22.2	624	2.70	1.0	.3	2.2	.8	21.7	.10	.15	.05	73	1.00	.048	4.8	82.2	1.86	281.2	.160	4	2.11	.012	.06	<.2	.02	52	.6	.02	5.9
GEBX-10331	.95	166.56	8.13	69.3	310	75.0	17.4	948	3.43	5.4	2.1	3.6	1.2	50.0	.27	.61	.09	109	1.89	.084	14.2	88.6	.94	455.6	.151	6	2.60	.011	.11	<.2	.06	180	3.8	.04	7.6
GEBX-10338	.89	44.52	6.35	84.1	308	26.7	21.5	4217	2.42	4.8	.5	2.1	.3	31.9	.73	.45	.06	78	1.33	.119	9.4	40.6	.38	289.0	.053	4	1.37	.008	.11	<.2	.06	192	.8	.02	3.1
GEBX-10325	.64	49.26	5.01	58.8	121	33.6	12.5	994	2.40	2.3	.5	2.1	.5	24.8	.24	.31	.06	86	1.32	.078	9.4	50.3	.76	259.5	.186	5	2.04	.012	.10	<.2	.04	140	2.0	<.02	5.2
GEBX-10339	.35	50.61	2.75	67.5	40	156.1	25.1	582	2.80	.8	.2	6.9	.9	19.7	.09	.13	.04	72	1.01	.046	4.4	92.9	2.28	241.6	.150	4	2.19	.013	.04	<.2	.02	47	.4	.02	5.8
GEBX-10327	.70	29.04	6.38	114.8	118	35.1	14.1	969	2.78	2.8	.3	2.3	1.1	19.1	.22	.26	.09	84	.75	.069	9.1	50.5	.65	208.3	.148	2	1.98	.010	.07	<.2	.04	76	.4	<.02	6.1
GEBX-10322	.98	142.99	5.23	60.1	137	39.1	7.5	1056	1.29	8.6	1.4	1.8	.1	51.6	.36	1.11	.05	50	2.50	.114	5.7	55.3	.38	253.3	.048	9	.86	.006	.07	<.2	.05	207	6.4	.02	2.5
GEBX-10335	.83	65.12	4.92	48.5	214	23.6	13.1	1515	2.05	2.1	.5	8.4	.2	34.3	.42	.26	.05	92	1.65	.103	11.3	54.2	.52	111.3	.122	6	1.93	.011	.07	<.2	.06	235	2.0	<.02	4.3
GEBX-10329	.56	63.39	5.55	46.9	99	49.2	12.3	606	2.35	2.8	.8	53.6	1.2	34.6	.16	.31	.07	72	1.49	.062	8.1	54.8	.80	161.9	.148	7	1.73	.011	.07	<.2	.04	105	2.6	.02	5.0
RE GEBX-10336	.58	52.41	6.31	101.1	84	44.3	20.6	1173	3.49	3.1	.4	3.4	1.5	23.0	.19	.37	.09	122	1.29	.053	8.2	63.0	1.17	346.9	.349	4	2.42	.017	.06	<.2	.03	64	.5	.02	8.0
GEBX-10336	.60	55.60	6.51	105.3	93	45.7	20.3	1226	3.59	3.4	.4	10.1	1.5	24.5	.18	.38	.09	124	1.28	.056	7.9	64.2	1.21	365.5	.346	4	2.49	.017	.06	<.2	.03	66	.5	.04	8.1
GEBX-10324	.82	69.59	7.83	71.4	221	31.8	12.7	1156	2.29	4.3	1.0	3.3	.3	31.7	.34	.42	.08	82	1.40	.099	13.4	50.9	.62	564.4	.146	5	2.12	.008	.06	<.2	.05	207	2.7	.02	5.1
GEBX-10332	.65	88.54	7.32	74.2	158	64.7	17.5	858	3.24	3.9	1.3	2.6	1.4	44.5	.19	.38	.10	99	1.59	.064	10.7	66.7	1.07	512.8	.183	10	2.41	.013	.07	<.2	.04	139	2.3	.03	7.0
GEBX-10337	.57	15.03	6.42	65.1	154	20.1	10.7	2985	2.00	3.6	.9	1.7	.8	18.5	.43	.24	.08	48	1.07	.062	9.5	32.4	.37	203.4	.077	2	1.25	.007	.09	<.2	.05	101	.5	<.02	3.8
GEBX-10323	.38	77.80	5.46	72.9	65	48.6	21.8	884	3.74	5.7	.5	3.3	1.0	32.2	.18	.58	.08	129	1.62	.066	6.4	61.7	1.28	162.3	.345	5	2.48	.018	.05	<.2	.03	75	1.1	.02	8.3
GEBX-10334	.68	72.75	4.36	62.1	179	43.8	16.1	1034	2.89	2.3	.6	2.5	.5	28.1	.26	.27	.05	111	1.84	.079	8.9	59.5	.97	192.9	.271	6	2.31	.017	.05	<.2	.03	141	2.4	.03	6.9
GEBX-10328	.38	33.64	4.34	48.3	65	38.2	14.4	632	2.35	2.7	.4	153.7	1.6	18.6	.15	.29	.06	81	1.01	.057	7.9	40.4	.78	298.5	.208	3	1.64	.012	.05	<.2	.02	57	.6	<.02	5.2
GEBX-10333	1.09	30.00	10.11	51.6	41	13.0	14.0	477	4.21	2.5	.6	1.5	3.1	46.6	.08	.10	.15	161	.49	.048	12.2	40.8	.55	87.4	.377	<1	4.26	.112	.06	<.2	.13	36	.5	.05	11.4
GEBX-10326	.46	38.11	5.10	82.1	92	37.9	14.3	723	2.68	2.6	.4	2.2	1.1	19.3	.17	.26	.07	91	1.11	.063	7.9	49.8	.84	242.9	.215	3	2.09	.012	.06	<.2	.03	76	.7	.02	5.9
GEBX-10330	.68	73.77	6.50	57.0	153	54.1	15.0	680	2.83	2.9	.9	1.8	1.5	39.1	.18	.33	.08	87	1.50	.059	11.1	59.4	.88	334.9	.179	6	2.05	.012	.08	<.2	.04	108	1.9	.03	6.3
STANDARD DS2	13.90	127.69	34.46	157.3	268	36.0	11.4	828	3.02	59.8	19.2	217.8	3.7	27.5	10.59	9.40	10.75	74	.52	.089	16.2	159.6	.61	152.6	.098	2	1.68	.028	.15	7.4	1.83	226	2.2	1.87	6.0

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

Data A 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
GSMX-10342	1.59	58.87	30.07	155.6	329	100.5	25.9	2341	4.49	11.7	1.2	4.8	4.1	45.2	.75	1.70	.16	67	1.30	.171	28.5	88.5	1.27	474.9	.136	3	1.85	.008	.11	<.2	.16	205	1.3	.03	5.7
GSMX-10358	.99	48.87	5.28	56.2	281	32.5	15.2	2555	2.64	3.6	1.0	2.4	.3	39.1	.36	.39	.07	120	1.87	.125	9.5	104.8	.75	394.2	.157	6	1.83	.011	.11	<.2	.04	176	2.2	<.02	4.9
GSMX-10347	.79	60.43	11.41	55.3	397	32.2	10.1	968	2.30	3.9	5.9	5.3	.8	65.6	.46	.71	.15	42	1.23	.083	14.6	53.0	.42	304.1	.044	3	1.33	.006	.06	<.2	.06	182	1.7	.03	3.5
GSMX-10343	1.36	48.08	19.77	114.8	449	57.4	17.4	1557	3.27	13.5	4.1	10.7	1.4	44.5	.84	.87	.20	37	.67	.132	20.8	38.9	.57	766.8	.021	2	1.34	.006	.12	<.2	.04	147	1.8	.06	3.7
GSMX-10357	.58	55.14	5.15	57.2	127	38.1	15.4	1038	2.76	3.7	.5	2.4	.8	26.8	.26	.40	.06	97	1.38	.081	7.6	68.9	.93	206.0	.245	4	1.89	.012	.07	<.2	.03	122	2.9	<.02	5.2
GSMX-10346	1.76	31.44	12.53	111.1	442	50.3	14.4	2014	2.78	9.2	1.9	9.0	2.0	39.8	.79	1.20	.13	42	1.03	.105	19.2	41.5	.53	583.3	.068	3	1.26	.006	.08	<.2	.07	261	2.3	.03	3.5
GSMX-10341	1.45	53.71	25.00	141.2	288	90.5	22.3	2026	3.93	10.4	1.0	3.1	3.6	41.8	.64	1.43	.16	60	1.26	.151	24.7	71.3	1.03	388.3	.104	3	1.64	.007	.11	<.2	.14	182	1.2	.04	5.0
GSMX-10359	.53	43.14	5.72	55.2	119	34.3	15.5	801	2.84	5.1	.6	129.4	1.4	28.6	.23	.44	.08	92	1.10	.072	9.5	52.6	.91	253.2	.238	3	2.08	.016	.06	<.2	.04	86	1.2	<.02	5.9
GSMX-10356	2.23	25.17	6.71	163.4	316	37.1	61.6	28519	5.55	11.3	.6	2.3	.2	40.8	1.28	.30	.09	139	1.12	.157	11.2	55.2	.38	1169.3	.074	1	2.10	.007	.09	<.2	.18	335	.6	.03	4.9
GSMX-10349	.99	34.73	11.34	106.5	242	34.7	21.0	5114	2.78	5.1	1.4	3.3	1.0	35.6	.88	.35	.11	82	1.36	.096	26.5	50.6	.68	563.9	.120	2	2.11	.011	.09	<.2	.10	170	.8	<.02	5.5
GSMX-10352	.69	49.41	7.04	58.6	176	40.2	15.9	1099	3.06	10.3	.6	3.0	.9	29.9	.25	.64	.09	110	1.61	.078	14.3	81.9	.91	319.8	.218	5	2.44	.013	.07	<.2	.06	154	.8	<.02	6.5
GS 0355	.56	40.01	5.93	59.5	78	38.3	17.9	898	3.16	7.8	.4	2.8	1.1	22.5	.17	.64	.07	121	1.29	.058	7.5	64.1	1.06	160.9	.298	4	2.46	.017	.05	<.2	.03	91	.6	.03	7.3
GSM.. 0344	.76	36.71	20.78	102.0	319	49.1	16.9	1323	3.53	8.7	2.1	4.8	1.8	51.8	.52	.47	.19	48	1.07	.109	22.8	49.8	.72	248.7	.051	3	1.89	.008	.10	<.2	.06	168	.8	.02	4.9
GSMX-10360	.87	39.67	5.95	66.0	146	25.4	30.8	4507	3.29	5.5	.3	3.2	.5	26.0	.35	.39	.08	118	1.17	.078	10.4	49.8	.54	220.8	.171	3	2.00	.012	.09	<.2	.06	166	.5	.02	5.7
RE GSMX-10344	.73	35.52	20.62	100.1	315	48.4	16.5	1303	3.47	8.7	2.1	25.4	1.7	50.8	.52	.47	.19	47	1.05	.107	22.1	50.0	.71	248.7	.053	2	1.83	.008	.09	<.2	.06	171	.8	.02	4.7
GSMX-10354	.54	41.78	4.59	56.4	95	42.3	26.2	2698	3.93	15.6	.3	4.3	.9	28.6	.21	.73	.06	131	1.41	.056	7.2	65.6	1.08	145.8	.264	2	2.51	.019	.06	<.2	.03	84	.5	.03	7.6
GSMX-10348	.93	32.85	12.95	75.7	192	58.4	18.2	2049	3.19	7.6	.8	12.6	.6	76.8	.29	.63	.13	38	1.53	.111	12.8	56.7	.59	385.9	.030	4	1.16	.005	.09	<.2	.04	148	1.6	.03	3.7
GSMX-10350	2.32	29.95	16.98	151.0	454	35.0	40.9	19413	5.36	12.8	3.5	4.3	1.5	69.5	1.70	.53	.17	79	1.36	.098	56.1	48.6	.50	1033.8	.064	1	2.17	.006	.07	<.2	.28	243	.9	.02	4.7
GSMX-10345	1.85	41.67	15.08	98.7	585	55.4	40.2	21157	9.71	30.0	2.2	4.5	.7	124.9	.92	.41	.12	39	1.98	.152	14.7	45.7	.45	1155.1	.028	1	1.30	.006	.10	<.2	.08	337	1.9	.08	3.7
GSMX-10353	2.19	42.20	6.93	91.0	417	24.1	82.4	28421	7.28	31.7	.3	55.1	.3	46.9	.89	.53	.07	190	1.38	.139	16.7	35.7	.34	625.3	.071	3	1.24	.013	.26	<.2	.14	410	.7	.03	3.7
GSMX-10351	1.13	65.85	12.37	92.9	465	48.6	25.7	4486	3.60	14.5	2.0	138.5	.8	42.5	.69	1.04	.14	105	1.48	.105	26.1	94.0	.87	687.6	.118	3	2.56	.012	.11	<.2	.09	205	1.3	.02	6.7
STANDARD DS2	13.33	123.44	32.64	153.4	269	33.7	11.7	828	3.07	60.0	19.7	221.4	3.4	26.7	9.54	9.94	10.20	73	.52	.082	14.6	163.9	.58	154.8	.097	2	1.74	.028	.16	6.8	1.89	232	2.1	1.93	6.0

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

Data d FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002291 Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
SDWX-10229	.73	<.1	.04	.43	4.4	4.3	.3	.14	<.05	1.6	15.14	21.3	.02	3	.3	13.0	30
SDWX-10221	.92	<.1	.12	.71	3.4	9.3	.4	.08	<.05	4.9	23.74	15.9	.02	<1	.4	13.5	30
SDWX-10232	1.28	<.1	.09	.67	4.1	10.4	.4	.12	<.05	3.7	29.21	13.9	.03	<1	.4	17.6	30
SDWX-10225	1.25	<.1	.13	.87	3.4	7.0	.5	.11	<.05	5.2	32.31	12.4	.02	1	.5	10.3	30
SDWX-10222	1.00	<.1	.12	.76	3.6	10.4	.5	.09	<.05	5.2	28.77	17.3	.03	<1	.5	14.4	30
SDWX-10234	.45	<.1	.02	.36	5.7	3.0	.2	.17	<.05	1.1	32.92	32.4	.02	4	.4	14.5	30
SDWX-10249	.22	<.1	.02	.16	2.5	.9	.1	.13	<.05	.8	6.95	7.5	<.02	<1	.2	6.1	15
SDWX-10228	.40	<.1	.06	.36	1.7	3.8	.2	.09	<.05	3.1	17.19	5.6	<.02	<1	.1	4.0	15
SDWX-10239	.56	<.1	.09	.76	5.3	4.7	.5	.04	<.05	3.8	13.23	28.2	.02	<1	.5	18.9	30
SDWX-10251	.49	<.1	.07	.73	3.3	7.6	.5	.05	<.05	3.0	16.09	17.2	.03	<1	.4	15.0	30
SDWX-10227	.67	<.1	.20	.91	3.3	9.7	.5	.09	<.05	8.2	30.18	14.4	.03	<1	.3	11.2	30
SDWX-10255	.48	<.1	.06	.72	5.5	6.4	.3	.10	<.05	2.6	19.91	22.0	.02	<1	.4	11.0	30
SDWX-10230	1.20	<.1	.21	.94	3.5	9.4	.6	.05	<.05	8.6	22.11	12.2	.03	<1	.4	21.8	30
SDWX-10226	.45	<.1	.10	.68	4.5	6.5	.4	.20	<.05	4.8	31.39	12.7	.02	<1	.5	9.3	15
SDWX-10254	.94	<.1	.07	.98	5.0	8.1	.6	.11	<.05	2.6	24.24	22.0	.03	3	.4	12.8	30
SDWX-10233	1.32	<.1	.81	.43	4.8	8.9	1.4	.01	<.05	43.9	15.35	31.2	.05	<1	1.1	11.0	30
SDWX-10224	.88	<.1	.10	.83	4.6	7.1	.5	.12	<.05	4.1	20.68	17.4	.03	<1	.4	13.6	30
SDWX-10237	.32	<.1	.09	.42	3.2	3.6	.3	.01	<.05	3.7	7.55	34.8	.02	<1	.4	11.9	30
SDWX-10252	.56	<.1	.09	1.08	4.7	8.3	.4	.09	<.05	3.8	20.30	20.9	.03	<1	.6	14.9	30
SDWX-10259	.80	<.1	.10	.84	6.6	12.0	.6	.08	<.05	4.5	30.25	21.1	.04	<1	.6	17.0	30
SDWX-10256	.59	<.1	.28	.90	2.9	7.5	.6	.05	<.05	11.4	18.55	14.7	.03	<1	.4	10.5	30
SDWX-10223	.72	<.1	.06	.71	4.4	5.1	.4	.18	<.05	2.4	22.74	12.1	.02	<1	.4	8.6	30
RE SDWX-10256	.53	<.1	.26	.87	2.7	7.0	.5	.05	<.05	11.0	17.27	13.6	.03	<1	.5	10.1	30
SDWX-10250	.47	<.1	.05	.55	6.5	3.2	.3	.11	<.05	2.2	14.76	27.4	.02	<1	.7	16.7	30
SDWX-10238	.65	<.1	.09	.71	5.4	4.6	.5	.06	<.05	3.6	14.39	27.6	.03	<1	.4	18.5	30
SDWX-10236	.73	<.1	.02	.40	6.5	7.0	.4	.11	<.05	1.8	34.93	28.3	.02	<1	.8	16.3	15
SDWX-10257	.55	<.1	.16	1.58	3.6	6.4	.5	.09	<.05	6.6	27.05	18.8	.03	<1	.5	9.5	30
SDWX-10260	.76	<.1	.12	.64	5.4	7.1	.5	.07	<.05	5.0	17.79	20.8	.03	<1	.4	15.9	30
SDWX-10235	.51	<.1	.05	.64	6.9	8.0	.4	.15	<.05	2.5	38.26	37.3	.03	9	.9	15.2	30
SDWX-10258	.69	<.1	.08	2.13	4.6	5.9	.6	.12	<.05	3.6	23.75	20.2	.03	2	.5	16.3	30
SDWX-10231	1.16	<.1	.06	.78	6.6	7.6	.5	.13	<.05	3.3	27.75	21.4	.04	3	.5	16.0	15
SDWX-10253	.54	<.1	.13	1.18	4.4	7.3	.4	.08	<.05	4.9	20.76	16.6	.03	<1	.4	12.7	30
SDWX-10248	.68	<.1	.07	.95	5.7	4.5	.5	.08	<.05	2.7	11.85	20.6	.03	<1	.5	11.7	30
SDWX-10240	.57	<.1	.08	.74	5.8	3.2	.4	.01	<.05	3.5	11.21	36.4	.02	<1	.3	17.5	30
STANDARD DS2	3.32	<.1	.05	1.45	13.7	3.0	26.3	.02	<.05	2.9	7.61	29.9	5.41	<1	.7	14.3	30

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: MOSS MAT Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 10 2000 DATE REPORT MAILED: July 31/00 SIGNED BY ..... C.L. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GSMX-10264	.71	<.1	.04	.56	3.3	8.0	.6	.15	<.05	2.4	28.76	22.9	.03	<1	.5	13.0	30.0
GSMX-10271	.62	<.1	.04	.83	5.2	7.4	.6	.18	<.05	1.9	27.57	15.1	.03	<1	.4	10.3	30.0
GSMX-10273	1.21	<.1	.04	.52	3.5	13.6	.6	.16	<.05	3.1	48.55	16.9	.03	<1	.4	10.5	30.0
GSMX-10269	.44	<.1	<.02	.48	4.7	5.9	.6	.20	<.05	1.4	35.89	37.1	.03	<1	.6	9.2	30.0
GSMX-10261	.58	<.1	.03	.82	3.6	6.2	.6	.14	<.05	2.6	29.00	13.7	.03	<1	.5	8.2	30.0
GSMX-10270	.96	<.1	.04	.58	7.6	7.1	.8	.08	<.05	2.5	18.09	30.9	.05	<1	.5	20.7	30.0
GSMX-10262	.62	<.1	.03	.89	3.4	7.0	.5	.15	<.05	3.0	29.93	13.8	.03	<1	.5	8.5	30.0
GSMX-10272	.67	<.1	.04	.58	4.7	2.7	.3	.13	<.05	2.2	8.03	9.0	<.02	<1	.1	8.8	30.0
GSMX-10266	1.44	<.1	.71	.41	5.2	9.0	1.6	.01	<.05	40.0	16.65	30.9	.06	<1	1.0	12.0	30.0
GSMX-10265	.65	<.1	.02	.47	3.5	9.1	.6	.15	<.05	2.2	37.11	22.7	.03	<1	.5	8.3	30.0
GSMX-10268	.84	<.1	.03	.49	5.6	7.5	.5	.10	<.05	2.0	24.85	25.4	.03	<1	.5	13.7	30.0
GSMX-10267	.65	<.1	.02	.43	3.5	5.3	.5	.19	<.05	1.2	25.74	15.1	.02	1	.3	7.8	30.0
RSHX-10284	.59	<.1	.17	.86	2.9	6.7	.7	.05	<.05	8.4	12.38	13.0	.04	<1	.3	11.8	30.0
RSHX-10241	.90	<.1	.07	1.28	5.6	8.0	.7	.11	<.05	3.4	24.80	21.0	.07	2	.7	18.4	30.0
RSHX-10274	.61	<.1	<.02	.42	6.2	3.6	.4	.08	<.05	1.6	18.28	46.3	.02	1	.6	16.1	30.0
RSHX-10243	.75	<.1	.06	1.11	4.5	9.6	.5	.08	<.05	3.8	27.59	18.5	.03	<1	.5	17.8	30.0
RSHX-10283	.88	<.1	<.02	.29	2.4	6.8	.3	.26	<.05	2.9	87.00	4.9	<.02	<1	.5	3.3	30.0
RSHX-10288	.54	<.1	<.02	.36	5.5	6.1	.3	.19	<.05	1.3	37.77	21.2	.02	<1	.5	7.7	15.0
RSHX-10242	.75	<.1	.07	1.22	4.9	7.1	.5	.09	<.05	3.7	19.82	18.9	.03	<1	.4	16.2	30.0
RSHX-10275	.51	<.1	.04	.65	5.1	4.7	.3	.10	<.05	2.2	20.00	23.8	.03	<1	.6	16.8	30.0
RSHX-10278	.55	<.1	.03	.59	6.2	3.2	.3	.07	<.05	2.2	13.95	35.5	.02	2	.5	19.1	30.0
RSHX-10282	.40	<.1	<.02	.16	4.1	1.3	.2	.21	<.05	.2	7.45	8.6	<.02	<1	.1	2.2	30.0
RSHX-10244	.48	<.1	.06	1.22	7.5	6.2	.4	.14	<.05	2.6	25.41	19.3	.03	1	.5	13.3	30.0
RE RSHX-10298	.75	<.1	<.02	.39	7.1	2.7	.3	.04	<.05	1.6	13.45	42.3	.02	3	.4	24.2	30.0
RSHX-10298	.78	<.1	.02	.40	7.1	2.9	.2	.05	<.05	1.6	13.33	43.5	.02	<1	.4	24.9	30.0
RSHX-10245	.48	<.1	.11	1.45	4.1	5.8	.6	.06	<.05	5.0	14.93	18.1	.02	<1	.4	15.6	30.0
RSHX-10279	.51	<.1	.09	1.05	3.9	5.7	.5	.05	<.05	4.7	15.99	19.3	.03	3	.4	17.0	30.0
RSHX-10293	1.35	<.1	.09	.77	3.0	9.6	.5	.13	<.05	4.7	31.89	10.9	.02	<1	.2	18.2	30.0
RSHX-10300	.67	<.1	<.02	.33	7.0	2.0	.2	.08	<.05	1.3	19.71	63.7	.02	<1	.4	19.3	30.0
RSHX-10246	.54	<.1	.09	1.12	4.2	5.4	.4	.06	<.05	4.3	17.68	20.5	.02	<1	.2	17.9	30.0
RSHX-10292	.66	<.1	<.02	.23	3.3	5.3	<.1	.25	<.05	.9	41.33	5.6	<.02	2	.2	3.8	7.5
RSHX-10276	.64	<.1	.04	.57	5.9	3.6	.4	.06	<.05	2.5	13.55	39.2	.02	<1	.4	20.2	30.0
RSHX-10291	.85	<.1	.16	.73	3.3	7.4	.5	.06	<.05	7.1	16.18	12.2	.02	<1	.3	20.8	30.0
RSHX-10280	.65	<.1	.03	.57	4.0	7.1	.3	.11	<.05	2.5	22.59	16.1	.02	1	.4	12.3	30.0
STANDARD DS2	3.32	<.1	.05	1.51	13.0	3.0	25.9	.05	<.05	2.9	8.03	31.2	5.48	<1	.6	14.8	30.0

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

Data ✓ FA ___

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
RSHX-10285	.72	<.1	.13	.79	3.3	8.3	.6	.05	<.05	7.5	20.71	18.7	.03	<1	.4	11.1	30.0
RSHX-10277	.77	<.1	.05	.68	6.8	4.1	.4	.02	<.05	4.2	12.58	58.1	.02	<1	.3	25.0	30.0
RSHX-10295	.63	<.1	<.02	.50	7.8	2.2	.3	.08	<.05	1.0	18.71	60.5	.02	<1	.4	13.7	30.0
RSHX-10286	.98	<.1	.07	.99	4.4	10.4	.5	.06	<.05	5.0	26.78	19.4	.03	<1	.5	13.1	30.0
RSHX-10297	.64	<.1	.04	.55	5.3	3.4	.5	.06	<.05	3.2	13.52	43.1	.02	<1	.3	17.4	30.0
RSHX-10289	.54	<.1	.02	.45	5.2	6.8	.4	.19	<.05	2.3	30.32	22.0	.02	<1	.3	9.4	15.0
RSHX-10294	.47	<.1	<.02	.44	7.0	1.8	.2	.08	<.05	1.0	19.09	47.7	<.02	<1	.3	14.1	30.0
RSHX-10247	1.51	<.1	<.02	.61	7.5	3.0	.2	.13	<.05	1.1	21.60	21.8	.02	<1	.4	13.5	15.0
RSHX-10296	.57	<.1	<.02	.24	6.8	1.3	.2	.12	<.05	.8	30.79	51.0	<.02	<1	.4	10.8	7.5
RSHX-10287	1.61	<.1	.13	.91	3.8	11.2	.6	.10	<.05	7.6	34.10	17.9	.03	<1	.4	14.1	30.0
RSHX-10299	7.38	<.1	.09	1.96	32.2	3.1	5.7	.08	<.05	4.3	7.13	42.1	.31	2	1.0	19.7	7.5
RSHX-10281	.52	<.1	<.02	.15	4.0	1.4	.3	.23	<.05	.3	8.50	11.0	<.02	<1	.1	2.2	7.5
RSHX-10290	.47	<.1	<.02	.36	5.7	4.8	.3	.17	<.05	1.3	24.10	21.7	.02	<1	.3	7.6	15.0
GEBX-10321	1.28	<.1	.02	.45	2.6	2.5	.3	.24	<.05	1.5	23.28	6.0	<.02	2	.3	5.7	15.0
GEBX-10340	.54	<.1	.07	.54	3.0	3.7	.3	.04	<.05	3.2	9.80	9.9	.02	1	.2	7.6	30.0
GEBX-10331	1.00	<.1	.17	1.22	5.4	12.8	.5	.15	<.05	8.3	41.43	16.8	.03	<1	.5	15.0	15.0
GEBX-10338	.72	<.1	<.02	.41	4.2	5.3	.3	.18	<.05	1.3	27.09	13.7	.02	<1	.2	7.5	15.0
GEBX-10325	.61	<.1	.08	.86	3.6	7.1	.4	.11	<.05	4.3	26.21	13.2	.02	1	.5	9.5	30.0
GEBX-10339	.53	<.1	.06	.43	3.0	3.3	.2	.04	<.05	3.2	8.54	9.8	.02	1	.1	6.9	30.0
GEBX-10327	.61	<.1	.03	.85	4.9	4.1	.5	.06	<.05	2.5	12.74	18.0	.03	<1	.4	11.7	30.0
GEBX-10322	1.44	<.1	.02	.51	2.3	3.2	.3	.25	<.05	1.5	23.31	6.6	<.02	2	.3	6.2	15.0
GEBX-10335	.62	<.1	.02	.69	2.2	10.9	.5	.19	<.05	3.5	46.54	11.3	.02	<1	.6	5.7	15.0
GEBX-10329	.69	<.1	.11	.87	4.1	5.7	.4	.10	<.05	5.7	18.56	13.8	.02	<1	.3	11.4	30.0
RE GEBX-10336	.56	<.1	.17	1.02	3.9	6.9	.6	.05	<.05	8.1	15.51	18.1	.03	<1	.3	12.0	30.0
GEBX-10336	.58	<.1	.17	1.03	4.1	6.9	.6	.04	<.05	8.3	15.95	18.1	.03	<1	.4	12.6	30.0
GEBX-10324	.89	<.1	.06	.93	3.3	6.7	.5	.18	<.05	3.6	34.03	14.8	.03	<1	.4	9.2	30.0
GEBX-10332	1.15	<.1	.10	.97	5.6	8.4	.5	.08	<.05	6.0	23.60	18.7	.03	<1	.5	16.5	30.0
GEBX-10337	.41	<.1	<.02	.38	4.9	2.8	.3	.08	<.05	1.1	9.12	19.2	<.02	<1	.2	10.7	30.0
GEBX-10323	1.21	<.1	.20	1.01	3.3	7.9	.9	.06	<.05	9.9	19.09	13.7	.03	<1	.3	13.8	30.0
GEBX-10334	.68	<.1	.15	1.18	3.4	9.9	.6	.14	<.05	7.2	30.12	10.3	.03	<1	.6	10.4	30.0
GEBX-10328	.53	<.1	.10	.68	3.1	4.6	.3	.06	<.05	4.9	13.53	15.7	<.02	<1	.3	9.5	30.0
GEBX-10333	1.35	<.1	.69	.39	5.3	8.8	1.3	.03	<.05	41.9	15.88	33.3	.05	<1	.8	10.8	30.0
GEBX-10326	.59	<.1	.10	.83	3.7	6.0	.5	.07	<.05	5.3	17.04	16.2	.02	<1	.3	10.6	30.0
GEBX-10330	.70	<.1	.12	.98	5.0	7.4	.6	.12	<.05	5.9	20.80	18.1	.03	<1	.4	13.6	30.0
STANDARD DS2	3.27	<.1	.04	1.50	13.4	2.7	25.6	.02	<.05	3.0	8.40	32.7	5.41	<1	.6	13.6	30.0

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

Data A FA ___

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GSMX-10342	1.57	<.1	.04	1.01	6.4	4.9	.5	.05	<.05	3.3	20.64	45.6	.04	<1	.5	21.3	30
GSMX-10358	.39	<.1	.05	.91	3.0	7.2	.5	.18	<.05	3.2	28.19	12.4	.02	2	.3	8.9	30
GSMX-10347	.46	<.1	<.02	.46	4.9	4.0	.1	.09	<.05	1.3	22.81	20.9	.02	<1	.4	18.2	30
GSMX-10343	1.33	<.1	<.02	.23	6.0	2.1	.2	.06	<.05	.7	16.42	38.5	.02	2	.3	21.9	30
GSMX-10357	.52	<.1	.13	.92	2.8	7.7	.6	.10	<.05	5.8	22.76	11.5	.02	<1	.3	9.5	30
GSMX-10346	.67	<.1	.02	.52	5.8	2.8	.3	.06	<.05	1.4	13.13	34.4	.02	3	.2	12.7	30
GSMX-10341	1.42	<.1	.04	.94	6.4	4.3	.3	.07	<.05	2.9	18.09	41.3	.03	<1	.4	18.4	30
GSMX-10359	.66	<.1	.11	.90	3.5	5.4	.6	.03	<.05	6.2	16.44	17.7	.02	<1	.4	10.9	30
GSMX-10356	.57	<.1	<.02	.41	3.8	4.9	.3	.16	<.05	1.0	30.40	44.1	.03	<1	.4	6.3	30
GSMX-10349	.68	<.1	.03	.68	5.3	5.7	.5	.11	<.05	2.4	27.76	42.8	.03	<1	.4	12.2	30
GSMX-10352	.68	<.1	.14	1.04	4.8	10.2	.5	.10	<.05	7.0	32.22	18.3	.03	1	.4	11.7	30
GSMX-10355	.62	<.1	.16	.96	2.8	6.5	.6	.04	<.05	8.9	19.15	15.6	.03	<1	.3	10.6	30
GSMX-10344	.95	<.1	.02	.63	7.3	3.7	.3	.07	<.05	1.7	15.19	39.1	.03	1	.3	23.4	30
GSMX-10360	.87	<.1	.07	.95	3.7	6.1	.5	.11	<.05	4.5	25.39	23.1	.03	4	.3	9.7	30
RE GSMX-10344	.92	<.1	<.02	.60	6.9	3.5	.3	.06	<.05	1.7	14.59	38.6	.03	<1	.5	22.8	30
GSMX-10354	.61	<.1	.16	.88	3.1	7.9	.6	.06	<.05	8.8	21.51	14.5	.03	<1	.3	9.9	30
GSMX-10348	.71	<.1	<.02	1.13	5.4	1.9	.3	.12	<.05	.8	7.27	25.9	.02	2	.3	16.1	30
GSMX-10350	.50	<.1	<.02	.43	5.4	5.0	.3	.09	<.05	1.4	42.03	62.7	.02	2	.7	11.1	30
GSMX-10345	.83	<.1	.02	.32	5.2	4.0	.3	.17	<.05	1.1	22.91	16.9	.02	<1	.3	11.3	30
GSMX-10353	.55	<.1	<.02	.37	6.1	5.4	.3	.18	<.05	1.0	39.61	23.4	.02	3	.3	4.9	15
GSMX-10351	1.02	<.1	.03	.80	5.7	10.6	.5	.14	<.05	3.0	34.75	27.0	.03	<1	.5	16.2	30
STANDARD DS2	3.21	<.1	.03	1.39	12.3	2.7	24.8	.03	<.05	2.7	7.67	29.6	5.16	1	.5	14.2	30

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

Data ___ 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 2398 File # A002291R Page 1

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	LOI %
SDWX-10229	39.3
SDWX-10221	21.1
SDWX-10232	34.9
SDWX-10225	34.8
SDWX-10222	24.5
SDWX-10234	43.2
SDWX-10249	54.8
SDWX-10228	46.3
SDWX-10239	16.6
SDWX-10251	15.1
SDWX-10227	29.4
SDWX-10255	26.6
SDWX-10230	18.6
SDWX-10226	56.7
SDWX-10254	29.6
SDWX-10233	7.2
SDWX-10224	36.3
SDWX-10237	4.8
SDWX-10252	26.3
SDWX-10259	25.6
SDWX-10256	16.4
SDWX-10223	51.4
RE SDWX-10256	16.1
SDWX-10250	24.4
SDWX-10238	13.3
SDWX-10236	34.4
SDWX-10257	31.5
SDWX-10260	19.0
SDWX-10235	40.7
SDWX-10258	33.2
SDWX-10231	34.6
SDWX-10253	26.7
SDWX-10248	30.7
SDWX-10240	8.8
STANDARD DOLOMITE	45.7

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

DATE RECEIVED: JUL 10 2000 DATE REPORT MAILED: Dec 8/00 SIGNED BY: C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	LOI %
GSMX-10264	37.7
GSMX-10271	46.7
GSMX-10273	47.0
GSMX-10269	48.3
GSMX-10261	48.3
GSMX-10270	21.8
GSMX-10262	47.6
GSMX-10272	40.2
GSMX-10266	7.4
GSMX-10265	50.3
GSMX-10268	32.1
GSMX-10267	54.5
RSHX-10284	15.2
RSHX-10241	28.7
RSHX-10274	25.6
RSHX-10243	26.4
RSHX-10283	71.5
RSHX-10288	60.5
RSHX-10242	27.6
RSHX-10275	27.2
RSHX-10278	19.2
RSHX-10282	64.3
RSHX-10244	44.8
RE RSHX-10298	10.6
RSHX-10298	10.7
RSHX-10245	16.2
RSHX-10279	13.4
RSHX-10293	33.0
RSHX-10300	16.9
RSHX-10246	14.3
RSHX-10292	72.4
RSHX-10276	12.2
RSHX-10291	15.0
RSHX-10280	28.5
STANDARD DOLOMITE	46.0

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

Data ✓ FA ___

SAMPLE#	LOI %
RSHX-10285	18.1
RSHX-10277	7.3
RSHX-10295	26.9
RSHX-10286	22.6
RSHX-10297	10.8
RSHX-10289	47.2
RSHX-10294	31.6
RSHX-10247	41.0
RSHX-10296	35.3
RSHX-10287	31.3
RSHX-10299	5.8
RSHX-10281	60.3
RSHX-10290	43.3
GEBX-10321	66.0
GEBX-10340	14.9
GEBX-10331	46.6
GEBX-10338	52.3
GEBX-10325	31.4
GEBX-10339	11.4
GEBX-10327	21.5
GEBX-10322	66.9
GEBX-10335	50.5
GEBX-10329	23.6
RE GEBX-10336	13.0
GEBX-10336	12.8
GEBX-10324	48.1
GEBX-10332	27.9
GEBX-10337	19.4
GEBX-10323	14.7
GEBX-10334	34.6
GEBX-10328	10.6
GEBX-10333	7.3
GEBX-10326	17.4
GEBX-10330	25.9
STANDARD DOLOMITE	46.0

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

Data FA

SAMPLE#	LOI %
GSMX-10342	12.3
GSMX-10358	41.9
GSMX-10347	26.3
GSMX-10343	17.8
GSMX-10357	27.1
GSMX-10346	18.0
GSMX-10341	13.2
GSMX-10359	16.8
GSMX-10356	52.2
GSMX-10349	36.2
GSMX-10352	32.0
GSMX-10355	17.3
GSMX-10344	23.7
GSMX-10360	36.3
RE GSMX-10360	36.1
GSMX-10354	21.6
GSMX-10348	36.7
GSMX-10350	32.0
GSMX-10345	45.0
GSMX-10353	49.5
GSMX-10351	38.5
STANDARD DOLOMITE	46.0

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

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002373 Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
PPD-17870	.61	66.27	3.21	63.1	199	57.4	31.4	594	5.50	4.9	.3	4.9	.7	29.2	.15	.55	.06	188	1.34	.040	4.9	90.5	1.05	63.0	.405	1	3.80	.021	.02	<.2	.03	87	.9	<.02	11.1
PPD-17863	.24	91.77	6.79	90.2	32	80.0	30.2	976	5.12	5.1	.2	3.8	1.8	28.7	.06	.61	.08	166	1.58	.055	6.8	101.2	1.66	280.5	.372	2	3.28	.024	.06	<.2	.03	39	.4	<.02	10.6
PPD-17872	.45	152.31	5.10	112.0	83	104.2	60.4	1611	6.72	13.4	.5	4.3	1.5	46.4	.10	1.03	.06	212	1.66	.021	7.9	119.3	2.06	214.3	.433	1	4.32	.024	.02	<.2	.04	65	.7	.02	13.0
PPD-17867	.30	164.38	5.13	252.2	23	64.8	43.5	871	3.16	4.3	.2	3.6	1.6	13.2	.31	.55	.06	111	1.13	.035	5.2	44.8	.93	118.8	.314	2	2.20	.018	.02	<.2	.02	27	.3	.02	6.3
PPD-17875	.50	148.02	5.44	93.5	39	109.6	66.2	1328	5.15	12.2	.3	4.9	2.0	23.6	.07	1.68	.07	149	1.35	.053	6.4	96.7	1.65	143.0	.324	1	3.97	.015	.05	<.2	.03	40	.4	.02	11.2
PPD-17861	.28	97.21	4.34	95.2	35	82.8	36.9	1034	5.44	6.2	.2	3.0	1.4	36.5	.08	.65	.07	181	1.58	.046	6.1	97.6	1.73	200.7	.438	1	3.53	.027	.05	<.2	.02	40	.5	<.02	11.8
PPD-17876	.34	100.15	5.65	80.5	48	62.9	28.5	992	4.34	5.2	.2	5.7	1.6	47.5	.10	.55	.08	139	1.50	.058	6.5	71.8	1.31	298.8	.328	1	2.68	.023	.05	<.2	.02	44	.3	.02	8.7
PPD-17871	.62	43.38	3.24	71.9	70	54.2	32.6	764	5.48	6.3	.3	4.8	.9	21.0	.14	.74	.05	186	1.31	.043	6.0	94.1	1.27	78.0	.425	1	3.45	.015	.02	<.2	.02	65	.8	<.02	11.0
PPD-17865	.40	109.51	4.26	82.1	55	42.6	25.6	807	3.85	3.7	.2	3.7	1.5	15.0	.09	.57	.08	127	1.18	.048	6.3	51.2	.98	108.9	.314	2	2.39	.016	.02	<.2	.03	41	.4	.03	7.6
PPD-17874	.30	128.71	3.44	102.7	26	103.5	54.8	1213	5.93	4.2	.1	2.2	1.0	24.0	.06	.77	.05	192	1.38	.044	4.2	83.7	2.01	144.0	.449	3	3.49	.023	.03	<.2	.02	18	.4	.02	11.9
PPD [illegible]9	.29	76.69	6.53	78.9	25	59.1	24.0	965	4.32	5.1	.2	4.3	2.4	27.4	.07	.53	.10	142	1.44	.063	8.5	81.1	1.28	262.1	.343	3	2.71	.023	.07	<.2	.03	28	.2	.02	8.7
PPD-17866	1.08	31.80	9.24	53.2	32	13.1	13.7	468	4.17	2.7	.6	2.1	3.0	48.6	.05	.09	.15	157	.54	.045	12.1	40.0	.52	79.6	.353	<1	4.17	.114	.06	<.2	.13	39	.4	.04	10.9
PPD-17878	.48	62.05	4.20	56.5	55	60.5	27.5	485	3.80	6.4	.3	19.0	2.2	10.4	.01	.54	.07	117	.83	.054	6.2	69.5	.98	117.0	.307	2	3.30	.015	.02	<.2	.02	45	.5	<.02	7.3
PPD-17862	.29	93.10	4.19	86.0	29	79.1	36.7	1057	5.40	5.9	.2	3.4	1.4	35.9	.05	.61	.06	179	1.56	.045	5.6	94.1	1.76	195.5	.433	1	3.55	.029	.05	<.2	.02	30	.4	<.02	11.8
PPD-17879	.59	53.74	5.47	54.4	24	47.0	20.4	832	3.65	3.6	.4	5.1	1.7	20.2	.07	.36	.07	127	1.27	.023	6.8	65.3	1.19	191.5	.348	2	2.49	.016	.03	<.2	.02	24	.4	<.02	7.8
PPD-17864	.36	219.03	2.93	147.7	36	115.9	66.0	1579	7.22	3.2	<.1	4.9	.6	45.6	.19	1.74	.05	242	2.93	.053	3.9	126.2	2.58	35.6	.411	3	4.38	.021	.03	<.2	.03	70	.5	.02	14.3
PPD-17868	.30	73.39	6.69	72.4	21	57.8	23.9	916	4.13	6.6	.3	5.6	2.4	24.7	.08	.60	.10	143	1.39	.052	9.0	81.7	1.23	269.8	.361	1	2.67	.022	.05	<.2	.03	36	.3	.03	8.5
PPD-17877	.20	41.02	3.32	60.7	15	50.0	20.1	743	3.88	3.0	.2	6.0	1.7	23.3	.02	.34	.05	144	1.55	.037	7.1	76.0	1.28	192.4	.413	3	2.79	.029	.04	<.2	.02	16	.3	<.02	9.1
PPD-17873	.61	135.26	4.38	103.8	45	77.1	42.4	1355	6.32	11.5	.1	8.0	1.1	80.1	.15	1.00	.06	206	1.94	.055	4.8	98.3	2.14	258.6	.451	3	3.55	.045	.04	<.2	.03	49	.4	.02	13.1
PPD-17880	.46	176.92	4.80	73.8	25	50.5	23.9	881	3.82	3.7	.3	5.1	1.6	16.7	.08	.39	.07	143	1.30	.013	7.3	70.2	1.26	242.4	.432	3	2.89	.024	.04	<.2	.03	27	.5	.03	8.7
RE PPD-17880	.44	180.57	4.76	75.2	25	53.8	23.9	879	3.83	3.7	.3	3.4	1.6	16.2	.09	.39	.07	143	1.31	.012	7.2	67.9	1.23	229.3	.407	2	2.88	.021	.03	<.2	.02	28	.5	.03	8.6
GEBD-17795	.59	32.79	9.81	65.0	64	45.8	18.9	430	3.41	6.5	.5	3.5	4.0	12.0	.15	.41	.13	83	.53	.058	16.1	67.2	.83	154.3	.204	2	2.36	.008	.03	<.2	.04	47	.4	.02	5.7
GEBD-17781	1.46	44.47	35.67	96.6	544	59.0	21.8	841	4.53	25.3	.9	3.3	5.0	19.6	.39	.93	.32	45	.36	.121	33.3	48.8	.39	129.5	.061	<1	2.59	.004	.03	<.2	.06	143	.8	.05	3.5
GEBD-17789	.26	34.64	4.36	49.0	26	46.0	15.0	432	2.96	3.0	.3	2.3	2.1	20.6	.06	.21	.06	94	1.09	.048	7.6	56.3	1.02	181.6	.272	3	2.55	.020	.03	<.2	.02	28	.4	<.02	7.0
GEBD-17796	.57	32.16	8.70	73.2	134	50.1	18.1	366	3.48	6.7	.5	4.5	4.2	10.6	.11	.43	.13	88	.53	.060	16.5	68.2	.82	174.0	.186	1	2.51	.008	.04	<.2	.04	44	.3	.02	6.4
GEBD-17787	.78	15.46	9.05	49.5	149	11.2	5.5	256	3.93	1.8	.3	3.5	1.5	8.6	.20	.31	.26	126	.28	.078	7.2	37.7	.19	152.0	.208	<1	1.49	.004	.04	<.2	.05	35	.3	.04	10.4
GEBD-17782	1.50	40.09	37.00	102.1	530	52.9	20.5	743	4.66	18.6	1.0	6.7	6.0	18.3	.33	.77	.31	49	.32	.124	39.7	49.4	.39	134.8	.064	<1	2.56	.003	.03	<.2	.06	137	.7	.05	4.0
GEBD-17788	.73	33.08	6.02	62.5	67	34.1	16.2	551	4.73	2.9	.4	2.3	1.4	10.0	.18	.25	.10	153	.57	.050	6.2	77.4	.68	107.5	.348	<1	3.25	.009	.03	<.2	.03	96	.5	.02	9.7
GEBD-17797	.73	49.72	10.42	63.4	96	49.5	24.8	737	3.67	7.5	.4	3.0	2.6	12.4	.18	.53	.13	95	.69	.072	12.8	63.4	.97	176.7	.217	1	2.61	.009	.04	<.2	.04	44	.6	.02	6.6
GE 7790	.49	35.10	6.97	66.7	96	43.6	17.8	609	3.31	4.8	.4	2.2	2.4	19.5	.27	.44	.09	89	1.01	.059	11.1	58.0	.88	161.8	.207	<1	2.31	.014	.04	<.2	.03	37	.4	.02	6.6
GEBD-17783	3.17	59.60	19.08	55.8	206	17.5	9.4	523	4.33	9.9	.8	38.3	.8	28.8	.19	.38	.25	101	.89	.068	14.0	49.4	.21	204.5	.083	<1	1.59	.003	.02	<.2	.05	95	.6	.05	7.1
GEBD-17798	1.02	84.84	12.54	100.1	291	81.2	24.6	1275	4.21	9.6	1.1	3.9	2.1	20.3	.29	.53	.22	119	.76	.082	20.0	150.7	.85	331.8	.158	1	3.43	.009	.07	<.2	.07	167	1.0	.03	7.8
GEBD-17792	.83	34.47	4.31	57.7	123	27.2	14.0	535	4.47	9.8	.3	3.7	1.0	16.0	.20	.53	.09	156	.57	.074	5.3	74.9	.69	61.0	.325	<1	2.87	.008	.05	<.2	.03	91	.6	.02	9.1
GEBD-17784	.47	47.02	5.14	61.9	100	42.7	27.0	937	4.46	4.5	.6	2.7	1.0	20.1	.15	.45	.09	121	.87	.084	9.0	80.2	.86	220.7	.235	1	2.69	.011	.03	<.2	.03	71	.5	.02	8.4
STANDARD DS2	14.06	129.75	31.94	156.7	263	35.6	11.6	759	3.13	55.6	19.1	212.2	3.5	27.5	9.88	9.23	10.60	75	.56	.088	16.4	151.0	.52	126.0	.088	2	1.66	.029	.14	7.1	1.78	245	2.5	1.83	5.8

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: -230 TILL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 13 2000 DATE REPORT MAILED: July 28/00 SIGNED BY C. Leong ..D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data 1 FA ___

ACME ANALYTICAL

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 FILE # A002373

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
GEBD-17791	.72	41.17	2.92	45.7	76	28.3	14.6	494	4.58	11.4	.2	2.7	.4	25.7	.21	.43	.05	126	.50	.054	4.0	68.2	.54	38.2	.226	<1	3.25	.014	.01	.2	.03	115	.6	<.02	7.3
GEBD-17785	.81	100.11	6.17	82.3	145	60.4	25.2	515	4.02	9.2	.4	14.3	1.3	34.7	.22	.91	.09	132	.49	.030	9.9	84.9	.90	1119.3	.272	1	3.30	.007	.02	.2	.05	130	1.5	.05	11.2
GEBD-17793	.38	57.03	2.36	60.8	81	50.9	26.4	804	4.77	8.9	.3	4.2	.7	27.3	.17	.47	.04	177	1.10	.074	3.4	76.3	1.34	48.2	.368	2	3.46	.019	.03	<.2	.02	76	.5	<.02	9.0
GEBD-17899	15.43	228.27	39.06	63.3	171	13.8	5.9	262	3.36	104.3	2.6	6.3	11.3	9.7	.11	.73	42.55	40	.11	.075	25.5	24.2	.43	59.5	.107	<1	1.79	.025	.29	132.3	.29	<5	.8	.20	6.0
GEBD-17800	.66	36.09	8.20	73.2	84	44.6	20.7	469	3.66	5.6	.4	3.3	2.4	9.4	.18	1.76	.13	86	.42	.057	11.4	62.6	.71	176.8	.173	<1	2.40	.009	.04	.3	.04	57	.4	.03	6.1
GEBD-17786	.87	31.75	3.64	71.1	159	28.9	14.0	482	5.78	2.2	.4	2.5	.5	17.3	.34	.24	.08	165	.72	.087	4.1	76.8	.75	111.2	.380	1	3.51	.017	.03	.2	.02	126	.6	<.02	9.5
GEBD-17794	.36	81.27	4.97	46.1	18	40.5	15.3	923	3.07	2.7	.2	3.4	1.8	16.7	.09	.53	.06	97	.79	.024	7.1	44.8	.98	406.7	.296	1	1.91	.009	.02	<.2	.02	20	.2	.02	5.7
RE GEBD-17794	.33	80.12	4.92	46.7	10	39.9	15.4	910	3.04	5.5	.2	5.5	1.8	20.0	.11	.65	.06	96	.78	.022	9.8	44.8	.96	392.6	.286	2	1.88	.008	.02	<.2	.03	28	.9	.03	8.0
STANDARD DS2	14.01	124.99	31.18	167.6	251	34.7	11.9	830	3.34	57.6	20.6	214.7	3.4	28.1	9.72	9.75	10.21	77	.51	.095	15.1	174.2	.58	146.3	.110	3	1.78	.034	.15	7.0	1.74	224	2.3	1.79	6.2

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ____

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002373 Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
PPD-17870	1.12	<.1	.35	1.23	1.6	9.7	1.0	.06	<.05	15.6	23.38	16.5	.05	<1	.5	18.8	30
PPD-17863	.93	<.1	.43	.11	3.1	12.7	.8	.01	<.05	16.9	16.94	16.0	.04	<1	.5	18.8	30
PPD-17872	1.93	<.1	.46	.49	1.9	17.9	.9	.02	<.05	20.6	32.32	24.7	.05	<1	.6	24.8	30
PPD-17867	.53	<.1	.38	.33	1.2	5.4	.8	<.01	<.05	13.3	11.45	19.5	.03	<1	.3	11.7	30
PPD-17875	1.60	<.1	.30	.47	3.1	9.0	.9	.01	<.05	14.3	13.21	24.8	.04	<1	.6	22.2	15
PPD-17861	1.01	<.1	.40	.37	3.3	11.9	.9	.02	<.05	17.6	17.84	16.1	.04	<1	.5	19.3	30
PPD-17876	.90	<.1	.40	.11	2.3	10.0	.7	<.01	<.05	13.8	15.92	15.3	.03	<1	.5	13.1	30
PPD-17871	.92	<.1	.28	1.25	3.0	9.4	1.0	.04	<.05	14.3	25.05	13.7	.04	<1	.5	22.2	30
PPD-17865	1.10	<.1	.27	.59	1.8	6.7	.8	.01	<.05	11.3	13.72	17.9	.03	<1	.4	12.4	30
PPD-17874	1.35	<.1	.37	.18	2.1	8.3	.9	.01	<.05	15.8	14.45	13.3	.04	2	.6	19.7	30
PPD-17869	.79	<.1	.42	.08	3.1	11.0	.7	<.01	<.05	15.0	17.45	18.8	.03	<1	.3	15.5	15
PPD-17866	1.28	<.1	.62	.42	4.5	9.2	1.4	.02	<.05	39.9	15.68	31.4	.05	<1	.7	10.9	30
PPD-17878	1.00	<.1	.43	.73	3.3	6.2	.8	<.01	<.05	16.6	9.90	14.2	.03	<1	.6	15.1	30
PPD-17862	.99	<.1	.46	.33	3.0	11.0	.9	.01	<.05	18.7	16.47	17.1	.05	<1	.6	19.5	30
PPD-17879	.61	<.1	.25	.68	3.7	6.1	.8	.01	<.05	10.1	11.40	18.0	.03	<1	.4	12.7	30
PPD-17864	1.37	.1	.62	.09	1.1	20.9	1.1	.01	<.05	22.0	28.42	11.0	.05	<1	.5	10.5	30
PPD-17868	.66	<.1	.40	.11	2.7	11.7	.7	<.01	<.05	16.0	18.55	20.0	.03	2	.2	15.3	30
PPD-17877	.59	<.1	.41	.27	2.9	7.7	.7	<.01	<.05	16.0	13.22	17.8	.03	<1	.4	16.5	30
PPD-17873	1.42	<.1	.55	.06	2.4	15.4	.9	<.01	<.05	19.3	25.68	12.4	.05	<1	.4	23.0	30
PPD-17880	.79	<.1	.40	.42	2.7	7.1	.8	<.01	<.05	13.9	13.00	20.4	.03	<1	.5	14.1	30
RE PPD-17880	.78	<.1	.35	.41	2.6	6.9	.8	.01	<.05	13.8	13.15	19.5	.03	<1	.5	13.7	30
GEBD-17795	.59	<.1	.09	.89	4.8	4.1	.4	<.01	<.05	5.1	7.86	36.0	.03	<1	.4	19.8	30
GEBD-17781	.99	<.1	.04	.85	6.5	3.6	.3	.03	<.05	2.1	9.32	64.6	.05	<1	.6	17.6	30
GEBD-17789	.42	<.1	.19	.57	2.2	4.7	.6	.01	<.05	9.8	8.98	17.4	.02	1	.4	12.3	30
GEBD-17796	.75	<.1	.11	.93	7.3	5.2	.5	.01	<.05	6.4	10.25	36.0	.03	<1	.4	19.2	30
GEBD-17787	1.41	<.1	.04	1.61	7.6	2.3	1.3	.02	<.05	2.2	3.08	16.4	.03	<1	.3	6.2	30
GEBD-17782	1.04	<.1	.03	1.03	7.5	3.7	.4	.04	<.05	2.2	9.46	74.5	.05	<1	.4	20.2	30
GEBD-17788	1.14	<.1	.17	1.77	4.3	5.1	1.0	.03	<.05	9.0	9.61	14.3	.04	<1	.6	13.9	30
GEBD-17797	.63	<.1	.10	1.02	4.2	4.3	.5	.03	<.05	4.5	8.59	29.0	.03	<1	.5	17.5	30
GEBD-17790	.65	<.1	.10	.83	3.9	4.6	.5	.02	<.05	5.5	9.34	28.7	.03	1	.3	15.9	30
GEBD-17783	1.64	<.1	<.02	1.41	6.2	2.6	.8	.06	<.05	1.1	9.41	32.3	.04	<1	.5	16.0	30
GEBD-17798	.93	<.1	.04	.74	6.6	12.4	.6	.04	<.05	3.2	28.15	42.5	.03	<1	.8	27.1	30
GEBD-17792	2.45	<.1	.14	1.37	3.5	5.0	1.0	.05	<.05	7.8	7.26	13.0	.04	<1	.4	24.0	30
GEBD-17784	.72	<.1	.08	.89	3.3	7.6	.7	.06	<.05	5.2	22.99	24.9	.04	<1	.8	13.0	30
STANDARD DS2	3.22	<.1	.03	1.41	12.5	2.9	25.5	.03	<.05	2.7	7.53	31.1	5.04	<1	.5	13.7	30

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: -230 TILL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 13 2000 DATE REPORT MAILED: July 28/00 SIGNED BY C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Date 4 FA ____

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GEBD-17791	2.15	<.1	.26	1.48	1.4	5.3	.6	.04	<.05	14.2	7.49	9.2	.04	<1	.2	16.2	30.0
GEBD-17785	1.76	<.1	.42	1.29	6.3	5.9	1.0	.01	<.05	19.1	10.46	32.7	.05	<1	.8	22.6	30.0
GEBD-17793	1.43	<.1	.30	1.03	2.1	6.8	.8	.02	<.05	15.5	9.70	10.5	.04	<1	.4	16.7	30.0
GEBD-17899	8.43	<.1	.09	2.41	31.7	3.5	6.6	.07	<.05	4.7	7.97	46.5	.31	3	.9	21.0	7.5
GEBD-17800	.77	<.1	.11	.99	5.7	3.5	.5	<.01	<.05	5.5	6.45	24.7	.03	<1	.4	17.0	30.0
GEBD-17786	1.49	<.1	.18	1.69	2.5	5.6	.9	.07	<.05	7.6	11.12	10.3	.05	<1	.6	10.4	30.0
GEBD-17794	.53	<.1	.36	.21	1.2	5.3	.6	<.01	<.05	11.4	9.51	24.5	.02	<1	.4	8.0	30.0
RE GEBD-17794	.75	<.1	.36	.34	1.5	5.6	.6	.01	<.05	19.3	9.72	36.6	.03	<1	.5	11.3	30.0
STANDARD DS2	3.32	<.1	.04	1.50	13.0	2.9	26.0	.02	<.05	2.8	7.67	28.9	5.26	<1	.5	13.6	30.0

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data 1 FA

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

WHOLE ROCK ICP ANALYSIS

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002373R Page 1

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
PPD-17870	43.41	12.84	10.51	3.47	4.23	1.72	.44	1.64	.24	.12	.024	270	49	121	128	35	<10	27	21.3	5.89	.03	100.02
PPD-17863	56.99	12.16	9.82	4.68	4.75	1.89	.66	1.47	.16	.17	.029	847	73	120	134	29	<10	31	6.8	.36	<.01	99.72
PPD-17872	49.92	13.17	11.73	4.81	4.22	1.73	.53	1.50	.07	.24	.027	558	93	120	123	43	10	35	11.9	1.88	.01	99.96
PPD-17867	61.89	11.12	7.67	4.26	5.93	2.16	.66	1.61	.09	.18	.028	686	71	134	174	31	<10	30	4.3	.34	<.01	100.03
PPD-17875	54.92	12.88	9.14	4.31	4.09	1.55	.69	1.28	.18	.20	.024	527	103	99	141	24	<10	24	10.6	1.66	.01	99.97
PPD-17861	53.93	12.67	10.56	4.98	5.18	1.92	.60	1.64	.12	.18	.028	614	79	133	133	31	10	32	8.1	1.02	<.01	100.03
PPD-17876	59.85	11.41	8.92	4.35	5.43	2.00	.68	1.53	.19	.18	.030	1023	74	154	148	32	<10	30	5.2	.13	<.01	99.94
PPD-17871	48.20	12.22	10.59	3.88	4.35	1.80	.52	1.66	.18	.14	.031	358	59	120	137	39	10	27	16.3	3.86	.03	99.96
PPD-17865	59.44	11.37	8.47	3.98	5.32	2.09	.65	1.57	.14	.16	.024	625	45	129	159	30	10	29	6.7	1.17	<.01	100.04
PPD-17874	51.14	12.49	12.10	6.19	6.25	1.97	.46	1.58	.16	.22	.035	402	105	109	123	30	<10	35	7.4	.60	<.01	100.09
PPD-17869	62.18	11.30	8.28	3.82	4.48	1.90	.81	1.38	.13	.16	.025	900	79	125	150	31	10	28	5.2	.17	<.01	99.82
PPD-17866	53.66	17.53	8.98	2.49	4.00	3.03	1.25	1.35	.15	.14	.010	356	<20	334	183	27	<10	22	7.3	.69	.02	100.00
PPD-17878	58.21	12.43	7.99	3.57	4.11	1.77	.71	1.45	.17	.11	.025	649	64	110	191	27	<10	24	9.5	1.30	<.01	100.17
PPD-17862	53.71	12.78	10.73	5.07	5.18	1.93	.60	1.65	.13	.18	.032	608	91	129	132	32	10	31	7.9	1.02	<.01	100.01
PPD-17879	61.84	11.07	7.91	4.07	4.91	1.95	.69	1.46	.07	.16	.026	858	49	137	148	27	12	25	5.8	.70	.01	100.10
PPD-17864	46.40	13.48	13.45	6.24	7.11	2.00	.28	1.64	.13	.25	.030	143	104	100	98	37	<10	42	9.0	.15	<.01	100.08
PPD-17868	62.02	11.34	8.30	3.83	4.55	1.94	.78	1.44	.11	.16	.029	864	53	128	159	33	11	30	5.4	.25	<.01	100.05
PPD-17877	62.74	11.41	7.65	3.87	4.55	2.18	.70	1.55	.11	.14	.020	767	43	128	155	28	10	24	4.9	.34	.02	99.96
PPD-17873	51.82	12.63	12.30	5.53	5.77	1.98	.62	1.69	.13	.22	.028	612	73	171	136	39	<10	36	7.0	.20	<.01	99.85
PPD-17880	61.54	11.34	8.16	4.22	4.96	1.98	.59	1.50	.07	.16	.026	829	66	122	141	29	<10	27	5.4	.54	<.01	100.09
RE PPD-17880	61.53	11.33	8.09	4.19	4.95	2.01	.61	1.52	.04	.16	.026	825	56	123	143	28	<10	27	5.5	.55	<.01	100.10
GEBD-17795	62.58	12.48	6.69	2.73	2.37	1.66	1.50	1.25	.16	.08	.018	1069	39	117	195	27	15	18	8.3	1.44	.03	99.99
GEBD-17781	52.98	11.38	8.18	1.42	1.28	1.21	1.06	.82	.30	.12	.017	817	55	92	194	26	16	12	21.1	5.86	.04	100.01
GEBD-17789	62.82	11.68	6.35	3.59	4.33	2.05	.88	1.29	.14	.09	.025	686	49	149	184	25	12	22	6.6	.84	<.01	99.98
GEBD-17796	62.39	12.54	6.76	2.73	2.34	1.68	1.41	1.26	.12	.07	.022	1049	46	116	192	27	15	19	8.5	1.25	<.01	99.99
GEBD-17787	61.75	9.39	7.45	1.03	1.17	1.17	1.14	1.43	.22	.06	.012	518	21	95	193	16	13	11	15.1	4.40	.03	100.03
GEBD-17782	53.70	11.55	8.32	1.40	1.23	1.23	1.20	.85	.26	.11	.014	805	40	98	200	25	17	12	20.0	5.47	.01	100.00
GEBD-17788	49.57	11.78	8.92	2.45	2.61	1.62	.62	1.44	.18	.11	.019	441	26	114	146	22	<10	17	20.7	5.54	.01	100.11
GEBD-17797	58.88	11.87	7.27	3.18	3.04	1.64	1.03	1.22	.20	.13	.020	946	47	108	151	25	10	20	11.4	2.46	<.01	100.03
GEBD-17790	61.53	11.87	6.86	2.99	3.39	1.85	1.09	1.22	.16	.11	.020	807	63	136	177	26	14	19	8.8	1.75	<.01	100.04
GEBD-17783	48.69	9.63	8.28	1.05	1.98	1.22	1.02	1.12	.34	.09	.013	700	<20	104	185	23	12	12	26.6	8.86	.05	100.16
GEBD-17798	52.34	13.60	7.99	2.51	2.18	1.26	1.46	1.11	.23	.19	.030	1136	84	100	154	43	12	30	16.9	3.75	.01	99.98
GEBD-17792	50.35	11.16	8.27	2.20	2.17	1.54	.66	1.48	.34	.09	.019	282	31	104	172	19	10	16	21.5	6.09	.02	99.86
GEBD-17784	53.58	10.73	8.62	2.96	3.49	1.54	.65	1.30	.33	.16	.025	723	55	121	183	36	<10	24	16.3	4.15	.03	99.82
STANDARD SO-15/CSB	49.52	12.09	7.33	7.29	5.90	2.42	1.86	1.75	2.71	1.40	1.065	1983	79	398	1004	22	27	12	5.9	2.40	5.32	99.66

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: -230 TILL
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 7/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GEBD-17791	37.69	11.18	8.24	2.26	2.32	1.13	.58	1.22	.28	.10	.012	219	25	96	140	20	<10	19	35.0	11.18	.03	100.08
GEBD-17785	57.43	11.15	6.98	2.98	2.57	1.28	.61	1.25	.15	.10	.015	2394	38	104	134	22	<10	20	15.3	3.68	.01	100.12
GEBD-17793	48.00	11.95	8.57	4.20	4.30	1.78	.42	1.45	.27	.15	.022	189	44	98	121	22	<10	25	18.8	4.87	.04	99.97
GEBD-17899	65.65	13.47	5.61	1.30	1.21	2.43	3.07	.85	.19	.06	<.001	355	<20	119	332	30	15	10	6.0	1.08	.06	99.95
GEBD-17800	57.19	13.09	6.92	2.61	2.09	1.43	1.47	1.18	.17	.09	.013	1112	58	99	153	23	10	18	13.6	3.40	.02	100.02
GEBD-17786	37.19	10.88	9.50	2.30	2.55	1.09	.43	1.32	.33	.09	.012	264	23	92	103	21	<10	17	34.3	11.18	.05	100.05
GEBD-17794	63.78	10.80	7.11	4.45	5.56	2.09	.64	1.49	.11	.19	.022	912	45	146	154	29	12	31	3.7	.17	<.01	100.10
RE GEBD-17794	63.75	10.87	6.99	4.48	5.58	2.10	.65	1.48	.06	.19	.025	921	42	146	161	28	<10	32	3.8	.18	<.01	100.13
STANDARD SO-15/CSB	49.87	12.23	7.28	7.24	5.85	2.40	1.85	1.76	2.69	1.39	1.059	1926	78	395	941	22	21	12	5.9	2.44	5.32	99.93

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002374 Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
SDWX-14005	.78	43.99	9.73	128.1	189	39.2	17.4	976	2.67	4.6	.7	3.5	1.1	21.8	.20	.38	.08	103	1.17	.064	8.8	71.1	.87	188.3	.158	2	1.76	.008	.05	<.2	.04	84	1.8	.03	5.2
SDWX-10381	.57	53.25	5.05	45.0	93	35.9	14.5	770	2.60	9.9	.3	2.9	.6	27.2	.17	.50	.06	86	1.50	.070	9.0	67.7	.88	185.9	.126	3	2.13	.006	.08	<.2	.04	131	.9	<.02	5.4
SDWX-14008	.47	34.47	20.36	64.8	74	32.4	19.3	928	2.63	4.6	.4	12.2	3.4	15.5	.16	.47	.10	53	.46	.059	12.3	44.0	.67	139.0	.144	<1	1.18	.004	.04	<.2	.03	44	.3	<.02	3.3
SDWX-10389	1.15	53.41	10.65	99.8	335	128.1	35.3	3072	4.30	4.1	.5	3.2	.4	32.6	.51	.83	.14	97	.93	.125	8.7	109.4	1.19	512.3	.078	1	3.26	.006	.11	<.2	.08	155	.5	<.02	7.9
SDWX-10385	.46	62.75	3.76	91.5	56	135.6	26.2	915	2.71	1.1	.3	2.9	.6	30.1	.11	.23	.04	66	1.32	.059	5.4	73.7	1.82	276.1	.144	3	2.14	.010	.04	<.2	.03	83	1.7	.02	5.1
SDWX-14004	.67	129.95	19.32	104.5	208	73.2	20.8	914	3.53	9.1	3.0	5.0	.9	42.5	.42	.89	.10	87	1.70	.099	13.1	85.3	1.29	339.3	.132	3	2.59	.009	.11	<.2	.08	173	4.1	.03	6.3
SDWX-14009	.92	49.43	17.87	86.2	138	38.9	33.7	3434	3.39	5.8	.5	1.2	1.9	21.8	.32	.41	.09	69	.59	.083	14.1	53.6	.74	289.9	.101	<1	1.45	.005	.08	<.2	.04	103	.6	<.02	3.6
SDWX-10387	1.18	70.06	6.64	138.4	212	90.4	25.0	7436	3.34	12.2	.7	8.2	.4	37.8	.36	.76	.07	73	1.86	.102	9.7	72.1	.97	644.0	.079	3	2.17	.009	.12	<.2	.05	169	2.0	<.02	5.0
SDWX-14013	.74	92.14	8.33	84.2	239	41.7	18.9	1007	3.03	6.3	.4	2.6	.4	37.1	.88	.53	.10	83	1.63	.090	16.0	57.7	.85	333.0	.103	2	2.14	.010	.10	<.2	.04	133	.7	<.02	5.5
SDWX-10384	.71	75.43	5.76	76.0	105	260.6	41.1	2592	3.82	9.2	.4	7.5	1.0	37.3	.21	.76	.07	89	1.34	.067	7.6	88.7	2.12	564.4	.142	3	2.19	.015	.06	<.2	.04	110	2.3	<.02	6.3
S 14010	.62	55.16	15.05	78.0	170	42.1	17.8	993	2.64	4.7	.5	107.2	1.6	17.8	.36	.40	.11	64	.62	.076	11.9	55.2	.69	260.2	.112	<1	1.58	.006	.08	<.2	.04	66	.3	<.02	4.3
SL... 10390	.72	42.90	4.80	59.2	148	26.4	12.5	3579	1.74	3.8	.4	1.3	.5	30.0	.36	.25	.06	54	1.22	.072	9.0	35.9	.48	244.0	.083	4	1.30	.006	.06	<.2	.04	121	.6	<.02	3.2
SDWX-14003	.63	52.17	19.98	160.7	145	44.3	19.0	755	3.23	17.5	.5	133.3	2.5	20.5	.31	1.44	.19	85	.89	.063	11.5	55.4	.85	215.0	.141	<1	1.73	.007	.08	<.2	.07	163	.7	.02	4.9
SDWX-10383	.54	54.28	4.88	85.5	85	183.9	30.7	1365	3.60	7.7	.3	2.9	.9	26.3	.18	.47	.07	101	1.00	.057	8.2	79.1	1.51	276.0	.150	2	2.41	.008	.06	<.2	.04	100	.9	<.02	6.9
SDWX-14001	.85	57.26	25.75	165.1	302	45.1	18.2	764	3.18	20.8	.8	4.0	1.7	24.6	1.22	1.86	.18	92	1.15	.067	12.3	58.1	.83	271.1	.115	1	1.80	.006	.10	<.2	.13	237	1.8	<.02	5.3
SDWX-14014	.68	79.62	6.91	79.2	118	47.1	24.1	974	3.44	9.0	.5	3.3	1.2	23.0	.17	.65	.09	97	1.05	.058	9.4	58.7	1.08	289.1	.182	1	2.04	.008	.06	<.2	.03	69	.4	<.02	6.4
SDWX-14007	.50	43.19	16.09	62.4	85	33.8	14.6	632	2.43	4.8	.4	10.8	2.6	17.3	.23	.56	.09	51	.48	.073	10.9	43.4	.62	129.2	.113	<1	1.18	.004	.05	<.2	.03	43	.4	<.02	3.3
SDWX-10382	.49	53.62	4.87	45.4	95	38.9	14.9	790	2.73	9.4	.3	2.5	.6	26.8	.22	.50	.06	92	1.49	.066	8.5	68.6	.91	184.9	.129	4	2.20	.006	.07	<.2	.04	118	.8	<.02	5.5
SDWX-14006	.93	45.72	10.07	93.6	211	45.4	19.2	2957	2.96	4.0	1.0	2.9	1.3	27.9	.65	.49	.11	79	1.01	.076	16.7	61.0	.82	700.6	.130	2	2.19	.007	.08	<.2	.07	126	.8	.04	5.5
SDWX-14012	1.56	36.55	11.92	130.6	386	30.7	17.0	3401	2.43	2.9	1.5	2.6	.4	47.5	1.48	.46	.14	62	1.25	.129	25.6	53.0	.52	532.0	.059	1	2.24	.009	.11	<.2	.09	206	.8	<.02	4.6
RE SDWX-14008	.50	33.48	21.16	60.9	93	33.1	17.6	917	2.57	4.7	.4	3.6	3.3	15.4	.25	.49	.10	52	.43	.059	12.1	43.2	.66	137.6	.140	2	1.14	.003	.04	<.2	.03	51	.5	<.02	3.3
SDWX-14002	1.04	58.67	25.57	161.4	368	44.6	17.9	818	3.26	20.9	.9	4.8	1.7	25.9	1.26	1.91	.19	95	1.19	.070	12.1	63.4	.91	304.5	.122	3	1.92	.006	.10	<.2	.13	233	2.2	<.02	5.4
SDWX-10386	1.22	102.47	8.89	88.9	243	122.0	37.6	3053	4.56	3.3	.8	4.8	.9	37.8	.26	.25	.11	100	.99	.070	11.6	100.4	1.40	730.5	.121	2	3.00	.010	.08	<.2	.06	163	.9	.04	8.0
SDWX-14011	.95	46.05	10.86	84.3	269	38.9	14.0	1132	2.54	3.8	1.0	7.2	1.0	28.7	.36	.52	.12	68	1.06	.091	15.1	58.3	.79	634.7	.116	3	1.98	.007	.09	<.2	.06	151	1.1	<.02	4.9
SDWX-10388	1.30	487.49	14.92	237.2	1019	132.7	14.6	2005	2.59	68.1	1.3	12.0	.3	64.3	.65	3.96	.18	57	2.72	.120	15.9	90.5	.67	645.0	.037	10	1.76	.007	.12	<.2	.09	341	5.3	.05	4.0
GSMX-10395	.79	100.13	6.09	64.9	175	42.8	17.6	1005	3.08	4.5	.2	3.5	.3	25.3	.35	.84	.07	113	1.74	.083	8.1	86.6	.94	102.2	.187	4	2.40	.013	.09	<.2	.05	133	1.9	<.02	5.8
GSMX-14017	.82	46.35	26.27	88.2	231	37.9	22.9	3102	3.17	12.0	.9	4.9	1.1	27.2	.51	.83	.26	88	1.03	.082	11.7	55.1	.65	393.3	.120	2	1.86	.008	.08	<.2	.08	142	.7	<.02	4.7
GSMX-10399	1.02	30.41	9.21	49.6	40	13.6	14.3	461	4.13	2.6	.5	1.9	2.6	47.6	.05	.10	.14	155	.45	.047	11.4	38.8	.53	89.6	.367	<1	4.18	.110	.07	<.2	.12	36	.3	.04	10.7
GSMX-10397	.88	150.13	7.14	82.8	168	38.2	8.2	1211	1.36	3.8	.7	4.5	.1	44.4	.47	.64	.05	47	1.98	.150	7.9	42.6	.54	347.9	.048	7	.95	.010	.16	<.2	.03	153	4.1	.02	2.1
C 14015	1.06	29.45	9.01	101.6	569	33.7	15.7	2458	2.36	4.7	.8	2.4	.4	26.6	.97	.48	.12	63	.85	.088	11.3	50.6	.49	324.0	.065	2	2.03	.006	.07	<.2	.07	153	.5	.02	4.3
GSMX-10391	.39	44.17	3.71	55.8	50	47.0	20.6	756	3.35	2.2	.2	2.4	.8	24.1	.19	.32	.05	112	1.16	.061	5.4	64.0	1.13	119.0	.281	1	2.49	.015	.04	<.2	.02	74	.6	.03	7.2
GSMX-14019	.25	37.60	4.08	51.9	45	41.2	19.7	723	3.19	2.6	.2	1.1	1.1	17.0	.08	.40	.04	109	1.08	.053	5.4	60.5	1.19	247.7	.309	2	2.28	.014	.03	<.2	.02	52	.3	.05	7.0
GSMX-10393	.50	45.64	3.59	61.1	65	42.3	18.3	723	3.84	9.4	.2	3.1	.6	29.6	.17	.59	.05	118	1.31	.089	6.6	79.1	1.11	104.2	.285	3	2.64	.013	.06	<.2	.03	95	.7	<.02	7.1
GSMX-10396	.44	44.93	4.43	38.4	104	31.5	12.8	762	2.26	2.2	.3	1.5	.1	32.1	.16	.28	.04	84	1.37	.091	8.1	82.7	.78	87.6	.148	4	2.04	.011	.07	<.2	.03	123	1.0	<.02	4.5
STANDARD DS2	14.03	130.24	32.28	158.6	273	36.0	12.4	836	3.06	57.3	17.9	254.2	3.5	27.3	9.76	10.07	10.10	74	.52	.092	15.5	163.9	.62	159.7	.102	1	1.71	.032	.15	7.5	1.76	225	2.5	1.84	6.2

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: MOSS MAT Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 13 2000 DATE REPORT MAILED: July 28/00 SIGNED BY: C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Date 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
GSMX-14016	1.17	31.12	9.83	138.4	331	36.8	21.9	4993	2.91	7.3	.8	2.4	1.1	28.2	1.00	.63	.10	70	.90	.076	11.2	47.2	.52	457.9	.093	2	1.78	.009	.07	<.2	.07	116	.6	.02	4.1
GSMX-10400	.67	51.93	6.26	151.4	140	35.8	21.1	1759	3.20	3.9	.3	2.2	.6	19.3	.26	.48	.08	108	1.03	.056	7.5	60.9	.83	217.4	.217	3	2.27	.010	.04	<.2	.04	128	.4	<.02	5.8
GSMX-14018	.47	33.80	9.24	60.7	92	34.7	14.1	762	2.77	4.8	.4	1.9	1.7	17.2	.20	.48	.12	87	.85	.052	9.4	56.4	.73	246.8	.176	1	1.82	.011	.05	<.2	.03	58	.3	<.02	5.3
GSMX-10394	.51	47.21	4.62	68.2	99	52.4	25.8	1094	4.20	5.2	.3	3.3	1.3	27.7	.22	.57	.06	139	1.27	.062	7.2	90.2	1.52	109.2	.380	4	2.86	.019	.05	<.2	.03	73	.4	<.02	8.5
GSMX-10398	.95	92.67	9.36	102.1	195	40.6	12.7	1509	2.34	3.8	.8	2.2	.2	32.0	.32	.45	.09	71	1.63	.115	9.4	50.0	.74	494.6	.112	5	1.69	.012	.15	<.2	.04	194	2.6	.02	4.1
GSMX-10392	.63	72.76	5.65	55.6	129	26.1	11.2	832	2.05	4.7	.2	3.5	.1	26.6	.30	.51	.07	70	1.52	.096	8.9	57.1	.57	118.3	.111	6	2.07	.013	.08	<.2	.03	158	.5	<.02	3.5
GSMX-14020	.61	43.12	5.69	61.1	110	39.1	17.7	960	3.89	2.7	.3	.9	.6	21.9	.25	.31	.08	143	1.14	.064	7.6	88.6	.93	226.5	.302	3	2.94	.015	.07	<.2	.03	101	.4	<.02	7.9
RE GSMX-10394	.48	45.76	4.44	66.3	97	54.0	24.3	1070	4.13	5.2	.3	2.3	1.1	27.1	.21	.54	.06	135	1.27	.060	7.0	86.2	1.41	103.3	.351	2	2.80	.019	.05	<.2	.03	69	.5	<.02	8.3
STANDARD DS2	13.33	123.44	32.64	153.4	269	33.7	11.7	828	3.07	60.0	19.7	221.4	3.4	26.7	9.54	9.94	10.20	73	.52	.082	14.6	163.9	.58	154.8	.097	2	1.74	.028	.16	6.8	1.72	232	2.1	1.75	5.7

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

Data 4 FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002374 Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
SDWX-14005	.57	<.1	.07	.80	4.3	5.3	.5	.07	<.05	3.4	10.80	15.8	.02	5	.4	11.6	30.0
SDWX-10381	.96	<.1	.06	.70	3.7	9.4	.6	.10	<.05	3.6	26.30	11.5	.02	<1	.4	17.4	30.0
SDWX-14008	.34	<.1	.08	.48	3.1	3.3	.2	.01	<.05	3.2	7.48	22.0	<.02	<1	.1	9.8	30.0
SDWX-10389	1.12	<.1	.02	.80	7.0	5.7	.6	.14	<.05	1.6	13.72	20.7	.03	<1	.5	15.0	30.0
SDWX-10385	.77	<.1	.06	.58	2.9	4.3	.4	.07	<.05	3.4	11.90	8.9	<.02	<1	.2	8.1	30.0
SDWX-14004	.94	<.1	.15	.86	6.2	13.9	.6	.14	<.05	6.9	40.26	14.6	.03	<1	.4	12.4	30.0
SDWX-14009	.39	<.1	.03	.52	3.3	4.6	.1	.06	<.05	1.6	12.12	21.4	<.02	2	.4	11.2	30.0
SDWX-10387	.94	<.1	.03	.75	5.5	6.7	.4	.16	<.05	1.8	18.25	15.6	.03	6	.6	13.9	30.0
SDWX-14013	.93	<.1	.06	1.04	3.8	7.0	.5	.11	<.05	2.6	31.34	16.4	.04	6	.9	10.7	30.0
SDWX-10384	1.03	<.1	.07	.66	3.7	6.4	.4	.07	<.05	3.6	13.28	13.3	.02	7	.2	16.9	30.0
SDWX-14010	.47	<.1	.04	.59	4.1	4.6	.4	.04	<.05	2.0	12.37	23.5	.03	<1	.2	11.9	30.0
SDWX-10390	.76	<.1	.04	.40	2.9	4.8	.4	.08	<.05	1.6	17.35	14.0	<.02	<1	.3	10.0	30.0
SDWX-14003	.64	<.1	.11	.54	4.6	7.6	.3	.06	<.05	4.7	18.07	21.9	.03	2	.6	12.6	30.0
SDWX-10383	1.02	<.1	.10	.73	4.4	8.5	.3	.07	<.05	4.5	17.16	13.7	.03	<1	.4	19.6	30.0
SDWX-14001	.84	<.1	.09	.58	6.1	7.9	.5	.08	<.05	4.4	21.42	20.2	.04	1	.4	18.3	30.0
SDWX-14014	.84	<.1	.13	.83	3.5	7.4	.3	.04	<.05	4.4	15.91	17.0	.03	1	.5	12.3	30.0
SDWX-14007	.40	<.1	.05	.48	3.4	3.7	.2	.02	<.05	2.6	8.43	20.6	.02	<1	.6	9.0	30.0
SDWX-10382	1.01	<.1	.09	.68	3.6	9.5	.4	.08	<.05	3.7	24.05	11.1	.02	2	.3	17.7	30.0
SDWX-14006	.62	<.1	.04	.81	5.4	6.4	.5	.07	<.05	2.8	22.57	38.8	.04	5	.4	13.5	30.0
SDWX-14012	.61	<.1	<.02	.89	5.9	4.2	.4	.13	<.05	1.2	33.42	42.2	.03	<1	.7	12.5	30.0
RE SDWX-14008	.33	<.1	.05	.44	2.9	3.3	.1	.01	<.05	2.9	7.13	22.0	<.02	<1	.3	9.5	30.0
SDWX-14002	.86	<.1	.09	.54	6.2	8.1	.4	.09	<.05	4.3	21.57	21.1	.03	4	.4	19.2	30.0
SDWX-10386	1.50	<.1	.06	1.03	5.8	8.9	.5	.10	<.05	2.6	18.61	16.7	.03	<1	.5	15.0	30.0
SDWX-14011	.73	<.1	.04	.82	5.8	6.1	.5	.11	<.05	2.6	21.17	25.2	.03	1	.8	13.4	30.0
SDWX-10388	2.17	<.1	.04	.57	6.1	7.8	.5	.15	<.05	2.4	46.38	17.5	.03	<1	1.3	20.7	15.0
GSMX-10395	.72	<.1	.16	.93	2.9	18.5	.5	.14	<.05	7.2	52.02	9.2	.04	<1	.4	8.3	15.0
GSMX-14017	.75	<.1	.06	.67	5.1	7.8	.4	.08	<.05	2.9	23.20	21.3	.02	<1	.7	11.4	30.0
GSMX-10399	1.31	<.1	.69	.51	4.5	9.6	1.4	.03	<.05	40.1	14.73	28.8	.05	<1	.8	10.7	30.0
GSMX-10397	.54	<.1	.03	.37	2.8	3.9	.1	.19	<.05	1.5	24.48	5.0	<.02	1	.2	4.5	7.5
GSMX-14015	.58	<.1	.02	.55	5.3	4.2	.2	.10	<.05	1.4	20.86	22.2	.03	<1	.6	13.1	30.0
GSMX-10391	.58	<.1	.22	.72	2.1	7.7	.5	.06	<.05	10.0	18.99	11.2	.03	<1	.2	9.0	30.0
GSMX-14019	.54	<.1	.20	.56	1.8	7.1	.3	.03	<.05	9.4	14.44	11.1	.02	2	.6	11.4	30.0
GSMX-10393	.80	<.1	.21	1.13	2.8	10.0	.6	.09	<.05	10.9	27.16	9.8	.03	<1	.3	10.1	30.0
GSMX-10396	.43	<.1	.08	.55	2.2	10.4	.5	.13	<.05	4.3	37.09	9.4	.02	<1	.3	4.8	30.0
STANDARD DS2	3.39	<.1	.05	1.45	12.9	3.1	26.2	.04	<.05	2.6	7.74	28.6	5.02	2	.4	15.4	30.0

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: MOSS MAI Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 13 2000 DATE REPORT MAILED: July 28/00 SIGNED BY: C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data 1 FA ____

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GSMX-14016	.63	<.1	.02	.40	4.9	4.9	.3	.05	<.05	1.7	16.84	24.4	.02	<1	.3	11.8	30
GSMX-10400	.67	<.1	.08	1.01	2.8	5.6	.5	.06	<.05	3.8	18.70	14.8	.03	<1	.4	9.0	30
GSMX-14018	.64	<.1	.08	.67	4.2	5.4	.5	.03	<.05	4.4	13.67	19.4	.03	2	.3	13.1	30
GSMX-10394	.56	<.1	.21	.83	2.8	8.9	.7	.03	<.05	10.9	18.81	16.9	.04	<1	.4	10.4	30
GSMX-10398	.60	<.1	.04	.79	3.7	4.2	.4	.15	<.05	2.3	22.97	11.9	.02	3	.4	7.7	15
GSMX-10392	.78	<.1	.09	.58	2.6	9.2	.4	.14	<.05	5.1	36.57	11.6	.02	<1.	.4	6.2	15
GSMX-14020	.84	<.1	.13	1.15	4.1	7.7	.7	.05	<.05	7.4	22.97	15.4	.03	<1	.5	11.5	30
RE GSMX-10394	.55	<.1	.24	.82	2.7	8.6	.7	.03	<.05	11.8	18.39	16.2	.03	<1	.4	10.0	30
STANDARD DS2	3.21	<.1	.03	1.39	12.3	2.7	24.8	.03	<.05	2.5	7.67	28.2	5.16	1	.5	14.2	30

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

Data 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 2398 File # A002374R Page 1

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	LOI %
SDWX-14005	21.3
SDWX-10381	36.6
SDWX-14008	7.0
SDWX-10389	41.3
SDWX-10385	22.0
SDWX-14004	45.0
SDWX-14009	17.9
SDWX-10387	44.3
SDWX-14013	45.2
SDWX-10384	26.1
SDWX-14010	14.5
SDWX-10390	29.0
SDWX-14003	18.2
SDWX-10383	25.0
SDWX-14001	26.8
SDWX-14014	17.2
SDWX-14007	9.1
SDWX-10382	35.7
SDWX-14006	23.0
SDWX-14012	41.3
RE SDWX-14012	41.4
SDWX-14002	27.9
SDWX-10386	27.2
SDWX-14011	21.4
SDWX-10388	58.3
GSMX-10395	48.2
GSMX-14017	27.2
GSMX-10399	7.4
GSMX-10397	67.0
GSMX-14015	35.0
GSMX-10391	17.7
GSMX-14019	12.5
GSMX-10393	30.0
GSMX-10396	52.7
STANDARD DOLOMITE	45.9

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

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 8/00 SIGNED BY..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data 4 FA ___

SAMPLE#	LOI %
GSMX-14016	21.3
GSMX-10400	28.4
GSMX-14018	13.5
GSMX-10394	14.3
GSMX-10398	48.0
GSMX-10392	60.4
GSMX-14020	30.8
RE GSMX-10394	14.4
STANDARD DOLOMITE	45.9

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

Data A FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002511 Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
GEBD-17931	1.02	28.62	5.64	58.5	120	23.4	10.9	426	4.62	3.7	.3	2.7	1.1	10.6	.17	.29	.10	134	.39	.065	5.7	62.5	.63	194.1	.276	2	1.96	.006	.02	<.2	.03	67	.6	.02	7.0
GEBD-17922	.50	60.63	7.08	57.6	15	43.3	18.5	618	2.86	5.7	.4	3.9	4.3	18.5	.10	.59	.11	70	.59	.072	13.6	47.3	.85	302.9	.174	1	1.70	.011	.04	<.2	.03	26	.3	.03	4.6
GEBD-17925	.52	80.63	8.19	41.2	33	54.2	24.8	680	3.03	6.1	.4	3.8	2.0	13.3	.10	.50	.11	71	.59	.056	10.5	61.7	.88	212.7	.181	1	2.51	.009	.03	<.2	.03	64	.6	.03	4.2
GEBD-17930	.90	62.57	8.61	63.3	173	49.7	34.6	1141	4.39	5.5	.4	3.6	1.0	16.0	.17	.40	.11	116	.72	.065	6.5	79.5	1.08	469.1	.234	2	3.21	.009	.02	<.2	.03	100	.7	.04	7.5
GEBD-17924	1.94	49.37	9.20	55.3	146	32.1	16.2	483	4.03	5.5	.5	2.4	1.5	13.7	.19	.46	.14	106	.57	.060	13.2	63.6	.63	229.1	.166	1	2.07	.006	.03	<.2	.04	56	.5	.03	6.5
GEBD-17927	.52	72.39	9.30	72.3	34	43.8	19.0	662	3.16	6.8	.4	3.2	4.8	21.3	.12	.59	.12	70	.55	.071	15.0	47.8	.87	152.4	.145	1	1.55	.011	.05	<.2	.04	52	.3	.03	4.7
GEBD-17921	.46	60.47	6.87	49.9	26	37.9	17.0	619	2.87	5.9	.4	2.1	4.2	17.7	.08	.60	.12	72	.54	.071	13.9	51.9	.88	325.6	.175	1	1.74	.010	.03	<.2	.03	28	.4	.03	4.6
GEBD-17926	.55	79.18	7.81	57.4	22	37.1	18.0	675	3.10	5.1	.4	4.4	4.4	16.3	.06	.51	.12	77	.57	.055	13.2	56.4	.90	309.6	.172	1	1.75	.010	.05	<.2	.04	47	.3	.02	4.8
GEBD-17923	.84	42.16	8.52	63.7	82	36.3	19.7	549	3.41	3.7	.3	10.9	2.3	29.9	.16	.36	.12	96	.58	.042	11.8	78.7	1.06	288.0	.240	2	2.26	.012	.04	<.2	.04	32	.2	<.02	6.7
GEBD-17929	.45	91.82	7.18	82.0	24	59.4	27.9	1118	4.85	4.6	.3	2.6	2.6	22.9	.13	.39	.10	144	1.16	.063	9.9	90.8	1.82	336.5	.352	2	2.90	.023	.08	<.2	.04	36	.4	<.02	8.9
GEBD-17932	1.02	41.61	5.88	57.8	63	34.9	23.4	631	5.33	4.4	.3	1.6	1.2	15.6	.17	.32	.09	150	.73	.049	5.7	70.5	1.00	243.6	.369	2	2.86	.009	.02	<.2	.02	66	.7	.03	8.3
GEBD-17928	.44	35.55	5.18	51.1	114	32.0	16.7	462	3.46	3.0	.3	2.6	1.4	13.4	.12	.23	.06	120	.92	.075	8.3	65.6	.79	112.9	.301	1	2.63	.014	.02	<.2	.02	72	.6	.02	6.9
GSMD-17963	.41	35.35	5.43	49.5	118	50.1	18.4	644	3.39	3.9	.3	2.5	2.6	18.2	.12	.25	.08	98	.59	.048	8.9	70.2	1.22	238.0	.227	3	2.65	.011	.07	<.2	.03	43	.4	<.02	7.1
GSMD-17973	.39	45.70	7.76	55.5	51	45.1	20.7	670	3.55	4.4	.4	2.2	2.7	14.7	.14	.39	.11	110	.97	.024	9.4	71.6	1.17	164.7	.262	3	2.34	.011	.04	<.2	.03	44	.5	.02	7.0
GSMD-17617	.57	57.37	3.33	45.5	64	54.3	23.6	481	3.69	2.6	.4	2.0	.9	16.0	.19	.21	.07	98	.55	.058	5.8	69.3	.84	210.6	.199	1	3.42	.010	.02	<.2	.02	67	.9	<.02	6.8
GSMD-17969	.94	32.03	13.03	75.7	93	59.8	15.7	494	3.40	8.6	.6	1.8	3.3	15.5	.22	.74	.21	82	.75	.042	19.8	103.6	1.41	131.5	.120	2	2.06	.006	.05	<.2	.04	47	.5	.04	5.9
GSMD-17602	.41	39.30	3.76	38.4	69	37.1	16.1	665	3.58	4.0	.3	3.4	1.2	18.3	.11	.32	.06	108	1.00	.055	7.3	65.4	.94	172.3	.280	2	2.55	.019	.03	<.2	.03	57	.8	.02	7.2
GSMD-17965	.40	48.68	7.25	50.5	26	57.1	22.7	994	3.68	3.2	.2	6.5	2.2	29.9	.09	.27	.08	124	.87	.022	8.4	79.3	1.50	755.5	.319	2	2.78	.018	.05	<.2	.03	36	.3	.03	7.9
GSMD-17962	.95	31.31	8.70	66.7	168	27.7	10.0	556	4.11	4.7	.3	4.1	1.7	7.7	.24	.40	.13	117	.39	.045	8.8	65.2	.71	395.7	.271	<1	2.18	.008	.03	<.2	.03	79	.6	.02	7.3
GSMD-17615	.36	32.24	5.86	56.1	20	36.5	17.8	662	3.54	2.7	.3	1.7	2.2	15.6	.12	.19	.08	115	.87	.046	9.2	70.2	1.32	191.6	.303	1	2.39	.011	.04	<.2	.03	33	.3	.02	7.1
GSMD-17604	1.08	74.43	31.59	109.4	123	40.7	15.2	761	3.64	3.8	.5	4.8	1.2	13.2	.19	.40	.22	96	.51	.048	12.4	77.9	1.13	845.0	.168	1	2.70	.006	.06	<.2	.07	56	.6	.06	8.3
RE GSMD-17974	.30	36.73	4.43	47.3	56	35.2	15.8	461	2.80	2.9	.3	3.5	1.9	15.7	.13	.27	.07	100	1.15	.063	8.9	56.4	.97	177.0	.299	2	2.06	.013	.03	<.2	.02	31	.3	<.02	6.1
GSMD-17613	.60	92.02	12.93	92.5	144	53.5	25.7	843	3.70	3.6	.4	4.0	2.1	10.8	.19	.34	.14	105	.59	.058	15.2	75.3	1.08	337.1	.225	2	2.73	.008	.04	<.2	.03	58	.7	.08	7.0
GSMD-17603	.47	65.01	3.78	63.0	58	51.8	29.7	784	4.51	4.3	.3	1.7	.8	20.2	.18	.55	.05	149	1.16	.049	5.2	82.3	1.52	161.1	.446	3	4.13	.021	.02	<.2	.02	93	.6	.02	9.5
GSMD-17974	.32	33.44	4.20	41.1	58	31.8	15.1	456	2.76	2.8	.3	2.3	1.8	14.9	.11	.25	.06	97	1.09	.059	8.3	56.5	.97	179.5	.306	2	1.93	.012	.03	<.2	.02	31	.4	.02	5.7
GSMD-17612	.45	111.45	5.55	94.0	32	95.7	49.5	1041	4.99	5.5	.2	3.0	1.8	14.1	.20	1.79	.07	147	1.18	.048	6.5	73.5	1.56	92.2	.392	3	2.90	.015	.03	<.2	.02	137	.7	.02	9.1
GSMD-17967	.36	135.14	2.57	111.9	33	88.9	72.8	1602	8.06	2.3	<.1	2.3	.5	28.7	.21	.43	.03	229	1.44	.058	2.7	68.2	2.84	130.9	.529	2	5.37	.020	.04	<.2	<.02	27	.4	<.02	16.1
GSMD-17601	.43	44.04	3.74	46.4	59	43.2	17.7	702	3.72	4.3	.3	2.4	1.4	18.9	.10	.35	.05	116	1.11	.054	7.8	66.0	1.02	179.2	.306	2	2.66	.021	.03	<.2	.03	53	.7	.03	7.5
[illegible]-17611	.25	51.90	6.47	55.2	10	44.8	18.7	784	3.82	5.0	.3	2.8	3.1	18.0	.09	.48	.09	111	.90	.051	9.3	79.6	1.24	273.1	.300	1	2.48	.018	.07	<.2	.04	31	.2	.02	7.1
[illegible]-17614	.49	59.41	6.10	57.0	83	45.8	22.6	1043	4.12	4.0	.3	6.1	1.5	14.5	.17	.27	.09	131	.78	.044	7.3	76.1	1.53	384.5	.370	2	2.74	.012	.04	<.2	.03	34	.5	.03	7.5
GSMD-17971	.55	33.68	8.22	69.7	85	44.0	19.9	653	3.51	4.9	.4	1.5	2.1	14.4	.15	.39	.11	99	.86	.044	11.1	63.4	.96	172.8	.195	<1	2.50	.009	.04	<.2	.03	58	.6	.02	6.3
GSMD-17976	.53	53.12	4.86	57.0	116	38.8	20.8	771	3.73	3.4	.4	3.2	1.0	14.1	.19	.30	.08	110	1.01	.060	8.6	66.3	1.00	173.3	.226	<1	2.46	.009	.03	<.2	.03	74	.7	.03	6.6
GSMD-17964	1.12	50.21	10.53	88.9	157	54.3	22.7	731	5.42	6.0	.4	2.3	2.4	55.5	.20	.41	.12	169	.45	.048	7.4	63.2	1.00	765.8	.343	<1	3.49	.008	.06	.2	.04	74	.5	.06	9.3
STANDARD DS2	14.29	124.61	32.64	159.1	263	33.8	11.7	833	3.06	57.0	18.5	215.8	3.3	25.4	10.03	10.00	10.44	73	.49	.091	14.6	161.8	.61	159.0	.090	3	1.66	.031	.15	7.5	1.81	228	2.4	1.86	5.6

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: -230 TILL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 20 2000 DATE REPORT MAILED: Aug 8/00 SIGNED BY. C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data 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
GSMD-17975	.54	64.19	6.14	56.0	179	42.8	20.2	816	3.30	5.4	1.3	12.5	1.7	22.8	.20	.33	.09	111	1.30	.074	11.5	68.6	1.06	226.9	.274	2	2.31	.015	.05	<.2	.04	55	.6	.02	7.0
GSMD-17968	.55	61.18	10.79	93.2	176	168.0	33.8	660	4.62	19.8	.4	2.9	2.9	13.0	.28	.66	.15	106	.47	.043	15.1	204.7	2.63	138.2	.154	2	3.20	.006	.04	<.2	.05	84	.4	.03	8.4
GSMD-17608	.74	20.85	6.17	65.3	96	27.6	13.5	395	4.55	2.7	.3	1.5	2.2	9.3	.14	.26	.12	156	.59	.124	7.4	66.9	.55	168.1	.313	2	2.56	.013	.03	<.2	.04	51	.3	.02	10.3
GSMD-17978	.64	34.93	5.55	68.8	57	54.6	22.4	558	4.47	4.0	.3	4.9	2.1	15.3	.18	.24	.09	139	.81	.077	7.1	68.8	.84	188.2	.310	1	3.17	.014	.04	<.2	.04	57	.3	<.02	9.4
GSMD-17607	.73	48.31	6.37	67.4	104	53.9	28.3	444	4.39	5.1	.4	8.0	1.8	21.6	.22	.29	.12	130	.85	.059	8.5	66.5	.74	102.2	.223	1	3.27	.012	.04	<.2	.04	68	.4	.02	8.9
GSMD-17970	.49	32.89	11.27	71.5	74	50.9	14.8	481	3.13	5.0	.9	3.4	4.7	17.2	.15	.44	.17	84	.90	.038	22.9	68.9	1.09	179.3	.191	2	2.17	.011	.06	<.2	.05	33	.3	.02	6.3
GSMD-17606	.67	25.58	4.65	70.2	97	37.7	16.9	340	4.48	3.0	.3	3.0	2.0	12.1	.12	.21	.09	125	.67	.082	7.2	63.6	.65	75.5	.288	1	2.85	.013	.03	<.2	.03	63	.4	<.02	8.6
GSMD-17977	.85	116.44	7.71	67.8	109	49.6	32.5	864	5.63	10.9	.3	2.1	1.1	17.2	.22	.30	.08	151	.65	.117	7.3	77.4	1.19	178.7	.252	1	3.02	.010	.04	<.2	.03	67	.4	.07	9.9
GSMD-17979	.59	42.73	4.84	53.5	60	67.4	28.8	389	4.45	4.6	.3	1.0	2.0	15.5	.13	.30	.10	136	.73	.066	5.9	74.8	.89	143.4	.321	2	3.61	.015	.04	<.2	.03	67	.3	.02	8.9
GSMD-17610	.57	22.26	4.95	46.4	104	36.9	17.2	303	3.72	3.8	.3	6.3	1.9	11.1	.14	.22	.09	108	.61	.044	7.1	63.1	.66	182.8	.302	1	2.74	.011	.02	<.2	.03	85	.2	.02	7.0
GS[illegible]7972	.48	70.96	5.98	57.1	102	52.3	21.4	550	3.67	6.7	1.6	2.6	2.2	21.2	.21	.25	.09	133	1.27	.032	12.2	83.4	1.12	266.2	.314	2	2.86	.023	.06	<.2	.04	42	.4	.02	9.0
G[illegible].7609	.32	29.71	2.96	42.7	44	40.8	19.7	412	3.53	2.8	.2	1.3	1.5	12.4	.10	.22	.05	128	1.05	.036	5.2	59.8	.82	135.1	.363	3	2.85	.018	.02	<.2	.02	51	.2	<.02	8.0
GSMD-17980	.42	63.73	4.04	54.0	62	50.5	24.7	739	4.27	3.7	.3	2.6	1.9	22.8	.15	.30	.08	155	.99	.045	9.7	75.7	1.07	111.7	.308	2	3.09	.020	.04	<.2	.03	49	.3	<.02	9.5
GSMD-17605	.56	32.51	4.46	102.2	60	42.7	20.7	533	3.95	3.6	.3	2.5	2.0	13.8	.18	.28	.08	132	.78	.091	7.7	67.6	.86	133.1	.320	2	3.20	.021	.04	<.2	.04	71	.4	.02	9.4
GSMD-17619	.65	47.50	6.24	60.8	158	50.5	27.6	653	4.19	4.1	.4	2.1	1.2	13.2	.25	.25	.09	119	.92	.050	7.0	70.9	.93	146.2	.272	2	3.16	.016	.03	<.2	.03	82	.4	.04	8.2
GSMD-17961	1.04	35.62	8.45	68.1	163	30.8	11.7	574	4.24	5.2	.3	5.7	1.8	8.7	.27	.39	.15	120	.44	.050	9.9	60.2	.68	410.6	.235	2	2.27	.011	.04	<.2	.03	82	.5	.05	8.4
GSMD-17618	.85	43.17	5.81	68.2	80	44.5	23.6	601	4.10	4.7	.6	3.3	1.8	13.9	.22	.30	.11	122	.57	.079	8.5	79.0	.79	189.6	.245	2	3.20	.011	.03	.2	.03	87	.8	.03	8.9
GSMD-17620	.65	70.40	6.25	61.4	163	53.5	29.6	950	3.81	6.4	.4	12.9	1.5	26.0	.23	.42	.10	115	1.03	.053	9.3	64.9	1.04	307.9	.248	3	3.01	.014	.05	<.2	.03	100	.8	.02	8.3
GSMD-17966	1.09	29.71	9.47	50.9	32	12.6	13.1	440	4.02	2.9	.6	1.9	3.1	53.0	.08	.10	.15	158	.53	.047	12.8	37.7	.49	82.4	.336	1	4.23	.113	.07	<.2	.14	38	.2	.03	11.6
GSMD-17616	.50	79.17	8.26	74.7	13	57.3	24.6	1094	4.18	5.4	.4	5.5	3.0	24.9	.15	.42	.12	133	1.19	.081	12.6	77.6	1.28	333.8	.293	2	2.73	.022	.08	<.2	.04	48	.4	.04	9.2
GSMD-17947	.68	73.00	34.89	119.9	95	70.7	25.6	827	3.72	9.8	.5	12.6	6.7	107.4	.40	.81	.22	49	5.83	.112	23.9	43.4	.83	239.7	.116	2	1.49	.006	.06	<.2	.04	85	.3	.06	4.5
RE PPD-17907	.94	38.44	22.87	96.2	184	26.5	15.6	758	4.51	7.2	.3	4.5	2.4	7.9	.23	.39	.17	137	.42	.056	10.0	66.9	.64	199.8	.293	1	2.45	.007	.03	<.2	.05	59	.3	.06	9.2
PPD-17907	.95	36.39	22.56	94.2	170	26.1	15.5	754	4.43	7.0	.3	3.3	2.2	8.0	.18	.38	.16	134	.41	.055	10.0	67.2	.65	203.6	.305	1	2.40	.007	.03	<.2	.05	60	.4	.05	9.0
PPD-17915	.46	97.44	5.53	82.0	45	105.8	63.6	1180	5.92	4.9	.2	1.2	1.3	78.9	.16	1.02	.06	166	1.71	.038	5.9	80.3	1.91	81.8	.401	3	4.52	.027	.06	<.2	.02	35	.4	<.02	13.9
PPD-17989	.47	99.87	9.26	73.2	17	58.6	27.1	894	4.05	7.3	.3	3.3	2.5	18.0	.16	1.36	.11	127	1.30	.066	8.5	60.8	1.20	122.7	.327	2	2.67	.022	.04	<.2	.03	17	.5	.02	8.5
PPD-17901	.60	32.12	5.09	49.4	173	40.3	21.5	526	3.56	5.3	.3	4.1	2.2	12.2	.20	.35	.09	106	.80	.085	9.5	57.7	.75	161.0	.270	2	2.89	.014	.03	<.2	.03	74	.7	<.02	7.4
PPD-17916	.39	51.28	4.25	52.6	39	56.4	31.5	698	4.23	6.0	.3	2.1	1.9	22.3	.12	.59	.06	136	1.10	.056	8.6	67.1	1.09	97.0	.359	2	3.20	.020	.03	<.2	.03	42	.5	<.02	9.5
PPD-17946	.37	37.63	6.03	49.3	9	53.0	17.5	693	2.84	5.6	.3	1.8	3.6	20.3	.13	.37	.08	89	.87	.048	11.9	56.7	.84	267.2	.252	3	2.06	.022	.07	<.2	.04	18	.3	.02	6.3
PPD-17912	.36	46.43	5.16	54.9	44	43.0	20.6	801	3.51	3.8	.2	3.8	1.8	17.3	.15	.33	.07	133	1.15	.032	8.5	63.4	1.10	235.4	.392	3	2.73	.020	.04	<.2	.03	33	.4	<.02	8.4
PPD-17917	.46	99.30	8.49	61.5	24	65.2	27.7	706	3.76	8.1	.3	6.9	3.5	26.5	.14	.70	.11	113	.99	.030	13.6	64.4	1.03	148.1	.258	1	2.66	.019	.03	<.2	.05	39	.4	<.02	7.3
PPD-17903	.67	45.21	6.91	47.9	88	34.7	14.3	442	3.11	3.6	.7	1.6	2.0	13.0	.11	.27	.13	120	.70	.047	15.2	77.9	.68	214.4	.264	1	2.56	.011	.04	<.2	.05	89	.4	<.02	9.0
PPD-17982	.70	60.50	8.94	59.5	30	44.6	19.0	1020	3.37	7.3	.4	5.0	3.0	20.0	.16	.54	.10	113	1.03	.067	14.5	61.5	.94	396.5	.284	3	2.40	.028	.07	<.2	.05	33	.6	.04	7.4
PPD-17944	1.44	117.00	6.49	42.7	212	55.1	26.0	614	4.17	9.1	1.1	15.5	.9	35.8	.31	.34	.12	125	1.16	.060	13.4	89.1	.65	255.1	.148	1	2.77	.011	.03	<.2	.04	136	1.2	.02	8.3
STANDARD DS2	13.75	130.00	34.97	163.6	270	37.0	12.1	786	2.91	58.5	19.7	226.4	3.7	28.9	10.59	10.25	11.18	71	.55	.093	16.3	144.2	.55	136.4	.086	3	1.64	.031	.16	7.5	1.94	261	2.3	2.08	6.0

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

ACME ANALYTICAL

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 FILE # A002511 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
PPD-17908	.46	35.92	5.67	55.6	62	38.1	18.2	623	3.62	3.8	.3	5.7	1.7	13.5	.15	.32	.08	124	.75	.037	8.2	74.0	1.08	187.8	.402	2	2.72	.018	.03	<.2	.03	70	.5	.03	7.9
PPD-17902	.63	33.85	5.52	47.8	143	38.6	23.4	558	3.57	5.0	.3	8.6	2.0	10.3	.19	.38	.09	103	.66	.078	7.9	65.3	.83	179.2	.296	1	2.92	.011	.02	<.2	.03	81	.5	.03	6.8
PPD-17994	.73	65.70	11.14	101.6	54	46.5	30.0	919	4.38	7.9	.5	3.5	4.1	25.0	.33	.91	.14	125	.81	.100	13.5	72.8	1.74	194.2	.397	1	2.67	.009	.05	<.2	.05	38	.6	.03	8.2
PPD-17904	.44	21.06	5.83	57.9	25	29.3	13.0	290	2.82	3.1	.3	2.4	2.3	8.6	.22	.19	.09	95	.44	.033	10.5	61.8	.71	132.8	.261	<1	2.24	.009	.03	<.2	.03	41	.4	.02	6.7
PPD-17945	.60	118.33	4.35	72.3	76	215.9	45.4	845	4.64	6.9	.4	7.4	1.8	35.0	.12	.41	.07	89	.76	.053	7.6	188.6	2.76	447.5	.199	3	3.17	.015	.04	<.2	.04	33	.5	.02	8.2
PPD-17909	.78	47.68	5.87	72.9	113	34.8	19.3	775	3.63	3.2	.4	6.0	1.2	14.5	.20	.25	.09	114	.70	.036	8.0	76.9	1.00	210.3	.297	1	2.39	.011	.03	<.2	.02	54	.5	.03	8.1
PPD-17913	.31	49.21	5.33	63.9	20	43.0	18.1	705	3.77	3.5	.3	4.0	2.4	21.5	.09	.34	.08	126	1.07	.044	9.1	79.5	1.29	326.9	.415	1	2.54	.019	.04	<.2	.02	38	.3	.02	8.3
PPD-17993	.51	70.96	6.10	52.9	56	59.9	20.9	671	3.35	4.4	.5	3.9	3.0	30.8	.11	.30	.08	99	.66	.045	10.4	72.0	1.18	398.2	.270	1	2.73	.014	.03	<.2	.03	47	.4	.04	6.9
PPD-17997	.72	36.62	7.81	71.9	108	22.7	11.2	547	3.48	2.9	.4	1.7	1.2	12.1	.19	.26	.13	109	.30	.054	11.3	56.8	.63	114.8	.222	1	2.28	.005	.04	<.2	.05	59	.4	.02	8.2
PPD-17911	.80	33.98	5.53	89.2	85	31.0	16.6	711	4.80	3.7	.4	1.1	1.3	14.5	.22	.29	.12	142	.46	.093	6.5	86.1	1.02	175.6	.391	1	3.29	.007	.03	<.2	.04	109	.6	.04	9.1
F 7990	.24	60.68	3.87	64.2	24	48.9	25.6	911	4.07	4.2	.2	1.8	1.6	32.9	.11	.44	.06	130	1.16	.039	5.4	76.2	1.41	222.0	.464	3	2.80	.029	.04	<.2	.02	25	.3	<.02	8.3
PPD-17984	.39	33.99	3.09	58.6	79	38.3	24.0	567	3.60	3.3	.3	1.2	1.5	19.5	.27	.26	.05	117	.74	.067	4.9	67.0	1.01	116.5	.413	<1	3.10	.017	.02	<.2	.02	82	.5	.02	7.3
PPD-17914	.40	80.93	9.39	88.8	75	50.7	28.3	1393	4.37	6.6	.3	6.4	2.7	26.3	.15	.57	.13	123	1.03	.057	9.5	74.5	1.57	270.4	.369	3	2.63	.021	.08	<.2	.04	69	.2	.08	9.1
PPD-17998	.33	154.42	3.02	105.7	40	45.6	54.4	1334	6.47	2.5	.3	.4	1.4	17.6	.14	.26	.04	173	.86	.067	4.3	64.7	3.90	90.7	.724	2	3.99	.007	.04	<.2	.03	34	.6	.02	11.3
PPD-17905	.53	30.32	5.54	53.4	109	40.9	19.2	352	3.29	4.4	.3	1.4	2.6	10.1	.12	.28	.08	95	.52	.046	8.5	62.5	.77	179.1	.279	1	2.49	.009	.02	<.2	.03	41	.4	.02	6.2
PPD-17983	.09	65.90	8.69	86.9	17	31.6	10.7	514	2.29	1.9	.2	1.6	4.7	9.1	.03	.15	.13	39	.30	.013	10.3	33.4	.97	289.8	.168	1	1.67	.002	.05	.3	.02	47	.2	.05	4.6
PPD-17943	.82	31.05	7.44	54.0	40	48.2	18.0	578	3.21	5.0	.4	.6	2.6	12.9	.10	.37	.11	76	.44	.020	12.1	68.4	.95	161.5	.152	2	1.84	.007	.02	<.2	.03	36	.4	.03	5.6
PPD-17910	.67	53.59	7.28	75.5	108	30.3	24.7	1106	4.55	4.5	.4	5.0	1.2	19.8	.26	.35	.12	145	.70	.047	8.8	90.3	.98	243.2	.404	1	2.59	.010	.03	<.2	.03	61	.5	.04	9.2
PPD-17999	14.22	236.34	38.81	58.3	161	14.5	6.3	288	3.07	101.1	2.3	5.2	12.4	9.2	.12	.66	43.94	40	.11	.073	26.6	24.8	.51	74.5	.119	3	1.77	.027	.28	128.5	.29	<5	.6	.20	5.9
PPD-17996	.61	46.50	7.15	37.0	43	22.5	12.8	183	2.90	2.4	.7	4.1	.8	8.3	.11	.18	.15	74	.22	.040	10.5	45.4	.52	100.8	.096	1	2.68	.005	.03	.6	.05	82	.4	<.02	6.5
PPD-17985	.47	160.00	18.39	83.7	195	77.0	51.5	2112	5.54	5.2	.5	16.1	3.0	29.3	.18	.25	.15	181	.85	.030	10.6	104.4	2.21	327.0	.490	5	4.20	.014	.03	.3	.03	80	.6	.08	10.7
PPD-17942	.56	44.93	5.36	53.4	20	85.9	22.4	677	3.36	6.2	.4	7.0	3.6	24.8	.11	.40	.09	90	.74	.055	11.5	104.6	1.22	237.9	.215	3	2.13	.013	.04	<.2	.02	24	.2	.02	5.8
PPD-17906	.48	33.49	4.38	49.8	72	41.1	23.3	390	3.63	4.0	.3	1.5	2.2	10.2	.13	.25	.07	109	.63	.042	7.0	70.9	.87	152.3	.372	4	3.09	.013	.03	<.2	.03	73	.4	.02	6.8
RE PPD-17906	.50	32.63	4.28	48.2	75	40.5	22.4	382	3.56	3.9	.3	2.1	2.0	9.4	.13	.25	.07	104	.57	.040	6.5	67.9	.84	148.4	.352	2	3.01	.011	.02	<.2	.02	62	.4	.03	6.5
PPD-17920	.64	38.25	5.23	73.7	62	54.4	23.2	383	4.36	4.9	.3	2.2	2.5	13.1	.12	.45	.10	133	.46	.060	7.1	77.9	.85	105.6	.366	2	3.26	.010	.03	<.2	.03	48	.3	.02	8.3
PPD-17986	.32	34.59	4.30	43.9	39	43.1	20.8	613	3.36	4.7	.2	2.5	2.1	15.6	.12	.36	.07	109	.76	.030	7.1	62.5	1.08	164.6	.318	2	2.48	.017	.03	<.2	.02	36	.3	.02	6.9
PPD-17992	.52	92.65	8.75	74.4	137	58.7	24.9	1213	3.96	5.9	.4	5.9	3.2	31.6	.12	.51	.10	104	.74	.050	11.1	69.9	1.31	711.5	.276	4	2.56	.012	.07	<.2	.04	108	.3	.03	7.3
PPD-17987	1.01	112.77	7.08	93.1	43	85.8	44.5	1491	6.21	18.9	.1	3.0	.9	16.5	.17	3.00	.04	200	1.20	.046	4.4	138.3	2.88	68.0	.496	9	3.91	.011	.02	<.2	.02	33	.4	.02	14.0
PPD-17918	.27	117.98	4.06	105.4	21	72.3	35.6	1021	5.50	4.1	.2	1.6	1.9	32.8	.16	.52	.05	158	1.06	.036	5.8	68.8	1.83	151.1	.443	3	3.38	.027	.04	<.2	.02	37	.3	<.02	11.2
17941	.60	44.87	5.65	51.6	16	80.5	21.7	660	3.30	6.7	.4	2.2	3.5	24.9	.10	.48	.09	86	.66	.059	10.4	98.6	1.18	237.7	.198	3	2.02	.012	.03	<.2	.02	27	.2	.02	5.5
PPD-17991	.66	60.11	6.16	76.9	141	64.0	26.7	956	3.98	4.6	.3	1.6	1.8	38.6	.15	.39	.07	124	.69	.039	5.5	84.0	1.17	908.4	.337	4	3.19	.012	.05	<.2	.03	47	.4	.03	7.8
PPD-17919	.54	38.09	2.44	71.0	98	45.7	25.2	541	4.21	3.4	.2	.6	1.0	23.6	.18	.38	.04	137	.92	.058	4.3	79.1	1.19	124.2	.461	3	3.67	.023	.02	<.2	.02	80	.5	.02	8.7
PPD-17981	.66	58.84	8.56	65.7	20	40.1	19.4	1073	3.43	6.7	.4	5.3	2.9	17.6	.15	.56	.10	104	.79	.063	12.0	63.8	1.04	448.9	.310	4	2.33	.016	.05	<.2	.04	36	.4	.05	6.3
STANDARD DS2	14.45	128.78	34.08	164.8	271	32.7	12.7	843	3.11	54.6	19.7	214.3	3.5	28.2	10.53	9.26	11.09	74	.52	.092	16.4	160.8	.62	157.9	.102	2	1.75	.034	.15	6.8	1.76	232	2.3	1.74	6.1

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A 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
PPD-17995	.89	77.91	8.30	89.8	70	36.6	15.7	362	3.76	5.4	.4	2.8	2.4	13.9	.17	.49	.15	114	.42	.045	12.3	60.8	.94	127.9	.260	2	2.57	.006	.04	<.2	.06	65	.6	.03	7.0
PPD-17988	.38	48.78	4.43	55.3	46	45.5	20.7	528	3.30	4.9	.3	16.4	2.6	14.5	.11	.41	.07	111	.78	.043	7.7	61.8	.95	145.8	.303	2	2.63	.019	.04	<.2	.03	47	.4	.02	6.8
PPD-18000	.51	198.13	5.51	134.2	44	68.5	62.4	1365	7.07	8.9	.3	1.6	1.6	32.8	.23	.82	.08	256	1.45	.043	6.0	91.6	2.69	174.3	.659	7	4.20	.011	.05	<.2	.05	27	.7	.03	13.0
RE PPD-17988	.36	48.21	4.34	54.3	40	43.7	20.9	524	3.30	4.9	.3	.8	2.5	14.2	.10	.42	.06	110	.78	.043	7.7	63.3	.94	146.7	.303	2	2.65	.018	.03	<.2	.02	28	.3	.02	6.6
STANDARD DS2	14.18	125.28	32.28	157.5	266	32.3	11.1	796	2.96	54.6	18.4	217.4	3.4	25.8	10.68	9.71	11.13	71	.47	.085	14.9	147.3	.56	143.2	.080	2	1.55	.030	.15	7.9	1.76	223	2.3	1.74	5.6

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002511 Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GEBD-17931	.71	<.1	.09	1.61	3.7	3.1	.7	.07	<.05	4.0	5.01	11.8	.04	<1	.3	17.9	30
GEBD-17922	.69	<.1	.14	.25	2.6	3.5	.3	.02	<.05	7.4	9.05	29.0	.02	<1	.4	16.5	30
GEBD-17925	1.31	<.1	.09	.69	2.4	6.0	.3	.03	<.05	4.0	16.22	44.3	.02	<1	.6	18.4	30
GEBD-17930	.98	<.1	.12	1.15	3.6	5.1	.6	.06	<.05	5.1	11.00	19.5	.05	<1	.5	13.8	30
GEBD-17924	2.05	<.1	.04	.92	7.1	4.1	.5	.05	<.05	2.6	13.57	26.3	.04	<1	.6	25.0	30
GEBD-17927	.55	<.1	.17	.17	3.5	6.2	.3	<.01	<.05	8.1	11.81	28.2	.03	<1	.3	15.9	30
GEBD-17921	.73	<.1	.10	.39	2.6	3.8	.3	.01	<.05	5.8	9.82	30.3	.02	<1	.4	16.6	30
GEBD-17926	.67	<.1	.15	.22	3.3	6.0	.4	<.01	<.05	7.0	10.36	27.4	.03	<1	.4	16.9	30
GEBD-17923	2.00	<.1	.07	.72	8.2	4.6	.5	.03	<.05	3.4	8.80	28.2	.04	<1	.2	19.8	30
GEBD-17929	.82	<.1	.39	.20	4.1	10.0	.6	<.01	<.05	14.4	16.18	18.6	.06	<1	.5	16.8	30
GEBD-17932	.93	<.1	.16	1.95	4.8	4.7	.8	.03	<.05	7.4	10.08	13.1	.07	1	.6	18.7	30
GEBD-17928	.64	<.1	.15	.92	3.5	7.1	.7	.03	<.05	8.1	23.15	18.7	.07	<1	.4	12.0	30
GSMD-17963	.68	<.1	.12	.63	5.2	5.6	.5	.01	<.05	6.5	10.71	20.0	.06	<1	.5	16.5	30
GSMD-17973	.58	<.1	.15	.80	4.0	5.2	.5	.01	<.05	6.7	11.73	25.2	.06	<1	.4	17.2	30
GSMD-17617	.56	<.1	.10	1.06	2.0	4.4	.6	.02	<.05	4.1	9.41	12.3	.06	<1	.7	8.1	30
GSMD-17969	.75	<.1	.03	.58	9.0	3.7	.5	.03	<.05	2.3	9.17	43.8	.05	<1	.3	22.1	30
GSMD-17602	.91	<.1	.09	.74	3.0	6.2	.6	.03	<.05	5.8	20.89	22.3	.05	<1	.4	11.6	30
GSMD-17965	.70	<.1	.18	.44	4.4	6.8	.7	<.01	<.05	8.0	10.72	20.8	.05	1	.3	12.6	30
GSMD-17962	.84	<.1	.07	1.15	7.2	3.0	.7	.02	<.05	3.6	4.53	17.3	.06	<1	.2	14.6	30
GSMD-17615	.59	<.1	.11	.96	5.5	4.0	.6	.01	<.05	5.2	7.96	18.6	.05	<1	.4	14.6	30
GSMD-17604	2.45	<.1	<.02	.91	11.3	6.1	.9	.04	<.05	1.5	15.96	29.6	.06	<1	.6	24.4	15
RE GSMD-17974	.44	<.1	.12	.81	3.2	5.3	.5	.01	<.05	5.5	13.50	17.7	.04	<1	.3	12.5	30
GSMD-17613	.97	<.1	.06	1.00	6.9	4.7	.5	.02	<.05	3.9	15.29	31.2	.05	2	.6	17.0	30
GSMD-17603	.81	<.1	.29	1.19	2.0	7.6	.9	.03	<.05	12.7	18.69	16.2	.05	<1	.7	15.3	30
GSMD-17974	.43	<.1	.11	.77	3.0	5.0	.5	.02	<.05	5.3	13.11	16.6	.02	<1	.5	11.3	30
GSMD-17612	1.44	<.1	.30	.31	1.9	6.3	.9	.01	<.05	12.8	14.62	21.3	.04	<1	.5	14.6	30
GSMD-17967	1.11	.1	.39	.27	1.4	10.2	1.1	.02	<.05	17.3	13.27	9.4	.06	<1	.5	18.2	30
GSMD-17601	.91	<.1	.11	.86	3.3	6.7	.6	.02	<.05	7.3	20.51	23.1	.03	<1	.4	12.0	30
GSMD-17611	.67	<.1	.29	.12	4.3	10.0	.5	<.01	<.05	12.8	15.28	19.7	.03	<1	.2	16.0	30
GSMD-17614	.63	<.1	.14	1.25	3.7	5.5	.6	.02	<.05	6.4	12.35	18.8	.03	<1	.4	14.4	30
GSMD-17971	.72	<.1	.09	1.01	5.0	4.5	.6	.02	<.05	4.6	12.02	29.1	.03	1	.5	16.5	30
GSMD-17976	.63	<.1	.07	1.21	4.6	4.4	.5	.03	<.05	3.9	13.39	17.6	.04	<1	.3	15.0	30
GSMD-17964	1.77	<.1	.19	2.17	7.8	5.8	1.1	.02	<.05	8.5	8.71	17.5	.05	<1	.7	16.7	30
STANDARD DS2	3.29	<.1	.03	1.46	12.9	2.7	25.1	.04	<.05	2.7	7.59	28.1	5.41	<1	.6	14.8	30

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: -230 TILL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 20 2000 DATE REPORT MAILED: Aug 8/00 SIGNED BY. . . . . D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GSMD-17975	.82	<.1	.10	1.00	4.2	8.4	.6	.02	<.05	4.6	17.69	20.8	.03	<1	.4	14.8	30
GSMD-17968	.87	<.1	.05	.73	8.0	5.1	.5	<.01	<.05	2.7	9.09	31.3	.04	1	.6	34.5	30
GSMD-17608	.91	<.1	.19	1.23	6.3	3.9	1.2	.01	<.05	7.9	4.78	15.0	.04	<1	.5	19.9	30
GSMD-17978	1.01	<.1	.20	1.32	6.0	4.8	.8	<.01	<.05	8.5	7.21	16.6	.06	2	.3	16.8	30
GSMD-17607	1.00	<.1	.19	1.62	4.4	5.9	.9	.02	<.05	7.7	11.92	31.9	.06	<1	.5	16.0	30
GSMD-17970	.54	<.1	.10	.81	7.8	5.6	.5	<.01	<.05	4.2	11.79	44.6	.03	<1	.4	18.7	30
GSMD-17606	1.06	<.1	.26	1.40	5.6	4.8	.8	<.01	<.05	10.3	8.17	14.7	.05	<1	.4	15.9	30
GSMD-17977	2.65	<.1	.10	1.72	6.1	6.2	.8	.02	<.05	4.6	8.07	14.8	.05	2	.5	26.1	30
GSMD-17979	.95	<.1	.54	.79	4.1	6.3	.9	.01	<.05	17.6	9.15	15.8	.04	<1	.4	14.8	30
GSMD-17610	.61	<.1	.25	1.30	4.5	4.1	.7	.01	<.05	9.2	7.34	16.9	.05	<1	.6	14.5	30
GSMD-17972	.84	<.1	.21	1.08	4.7	11.5	.7	<.01	<.05	7.8	18.13	21.2	.05	2	.5	26.0	30
GSMD-17609	.45	<.1	.38	.99	3.3	5.2	.8	<.01	<.05	12.7	8.44	14.0	.05	<1	.4	11.9	30
GSMD-17980	1.09	<.1	.23	.86	3.9	8.2	.8	<.01	<.05	9.0	12.91	20.7	.07	<1	.6	18.0	30
GSMD-17605	1.14	<.1	.22	1.16	6.0	5.9	1.1	<.01	<.05	10.6	8.44	15.6	.06	<1	.3	16.4	30
GSMD-17619	1.06	<.1	.16	1.33	2.9	5.4	.8	.02	<.05	7.6	11.50	15.4	.07	<1	.7	13.9	30
GSMD-17961	.78	<.1	.09	1.54	6.8	3.6	.8	.03	<.05	4.8	4.52	18.0	.07	<1	.2	18.4	30
GSMD-17618	.67	<.1	.15	1.62	4.2	5.6	.8	.03	<.05	6.3	11.02	18.1	.07	2	.5	12.8	30
GSMD-17620	1.00	<.1	.16	1.32	3.4	6.8	.6	.04	<.05	7.6	16.24	21.8	.06	1	.5	14.1	30
GSMD-17966	1.30	<.1	.75	.48	5.1	9.4	1.4	.02	<.05	40.1	14.12	30.6	.08	<1	.8	11.6	30
GSMD-17616	.64	<.1	.35	.25	4.3	10.9	.8	.01	<.05	13.6	14.12	22.6	.05	<1	.5	14.9	30
GSMD-17947	.73	<.1	.28	.15	2.7	6.7	.3	.02	<.05	11.8	10.86	42.4	.05	<1	.3	16.5	30
RE PPD-17907	1.55	<.1	.09	1.56	7.2	3.8	1.0	.03	<.05	5.3	5.65	18.0	.05	<1	.5	18.4	30
PPD-17907	1.53	<.1	.11	1.55	7.2	3.7	.9	.02	<.05	5.4	5.55	18.5	.05	<1	.3	17.7	30
PPD-17915	1.86	<.1	.37	.67	3.6	8.2	1.2	.03	<.05	13.3	11.75	14.1	.05	1	.5	22.3	15
PPD-17989	.83	<.1	.37	.32	2.2	7.1	.7	.01	<.05	14.8	12.22	23.2	.05	1	.4	15.2	30
PPD-17901	.78	<.1	.19	1.26	5.1	5.4	.5	.02	<.05	8.3	9.68	19.9	.03	<1	.3	15.2	30
PPD-17916	.85	<.1	.28	.84	3.7	8.1	.8	.02	<.05	11.3	16.48	20.0	.05	<1	.3	15.4	30
PPD-17946	.52	<.1	.32	.28	3.9	6.1	.6	.01	<.05	11.2	8.07	24.1	.03	<1	.3	12.5	30
PPD-17912	.51	<.1	.24	.56	3.8	6.6	.8	.01	<.05	9.2	10.58	18.0	.03	<1	.4	12.7	30
PPD-17917	1.09	<.1	.17	.50	3.5	8.5	.5	.02	<.05	7.0	13.21	31.2	.03	2	.5	17.5	30
PPD-17903	.89	<.1	.10	.93	6.5	8.9	.9	.03	<.05	4.9	17.67	22.3	.04	<1	.6	16.0	30
PPD-17982	.66	<.1	.31	.36	4.0	9.2	.7	<.01	<.05	11.2	13.30	26.4	.03	<1	.5	12.5	30
PPD-17944	.98	<.1	.07	1.21	4.4	8.2	.7	.04	<.05	3.1	25.09	28.9	.04	1	.6	18.2	30
STANDARD DS2	3.28	<.1	.05	1.45	13.7	3.0	26.3	.03	<.05	2.6	7.91	29.8	5.56	<1	.4	14.3	30

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
PPD-17908	.66	<.1	.15	.74	3.8	5.4	.8	.04	<.05	6.8	11.11	17.8	.03	<1	.5	13.3	30
PPD-17902	.76	<.1	.19	.85	4.2	5.1	.6	.05	<.05	8.6	10.20	19.0	.04	<1	.5	14.3	30
PPD-17994	.70	<.1	.20	.30	4.1	5.7	.6	.03	<.05	8.7	12.93	26.6	.03	2	.4	21.5	30
PPD-17904	.71	<.1	.13	.76	6.2	4.1	.6	.05	<.05	5.7	7.04	20.8	.02	<1	.3	15.5	30
PPD-17945	2.08	<.1	.28	.07	2.6	8.5	.5	.02	<.05	11.3	11.25	14.5	.03	<1	.3	14.9	30
PPD-17909	.91	<.1	.09	.98	5.0	5.8	.7	.03	<.05	4.8	10.89	18.0	.04	<1	.4	13.9	30
PPD-17913	.52	<.1	.43	.15	2.8	8.3	.7	.01	<.05	15.2	13.28	17.7	.04	<1	.4	13.0	30
PPD-17993	.87	<.1	.22	.53	3.6	7.0	.6	.01	<.05	9.6	16.51	29.4	.04	<1	.3	13.0	30
PPD-17997	1.61	<.1	.04	1.42	7.4	3.2	.8	.03	<.05	2.5	5.20	22.4	.05	<1	.4	15.6	30
PPD-17911	1.50	<.1	.11	1.54	5.3	5.4	1.4	.06	<.05	5.8	8.27	14.3	.07	3	.4	14.5	30
PPD-17990	.83	<.1	.36	.19	2.3	7.8	.7	.02	<.05	15.3	13.79	15.0	.07	2	.2	15.1	30
PPD-17984	.71	<.1	.24	.79	2.4	5.2	.6	.02	<.05	11.1	8.70	11.6	.07	<1	.3	11.8	30
PPD-17914	1.07	<.1	.42	.05	4.3	8.1	.7	.02	<.05	15.1	14.98	19.5	.08	<1	.5	16.7	30
PPD-17998	1.25	<.1	.25	1.22	2.7	5.9	.6	.02	<.05	9.1	8.81	10.2	.06	<1	.3	28.0	30
PPD-17905	.68	<.1	.19	.76	4.8	3.9	.5	.01	<.05	8.6	6.82	22.1	.08	<1	.2	15.5	30
PPD-17983	1.18	<.1	.13	.38	3.5	3.8	1.6	.01	<.05	5.7	8.21	22.9	.09	<1	.4	8.0	30
PPD-17943	.99	<.1	.04	.46	4.0	3.5	.5	.01	<.05	2.9	7.35	24.4	.08	<1	.2	18.1	30
PPD-17910	.96	<.1	.11	1.11	5.6	6.9	1.0	.05	<.05	6.1	19.87	18.5	.09	<1	.6	16.1	30
PPD-17999	8.56	<.1	.08	1.89	29.1	3.4	6.5	.08	<.05	4.5	7.35	46.4	.36	3	1.0	21.8	5
PPD-17996	1.27	<.1	.03	1.31	4.6	2.7	.7	.05	<.05	1.8	8.57	23.1	.07	<1	.5	29.2	30
PPD-17985	1.12	<.1	.26	1.19	3.2	10.7	1.0	.04	<.05	11.6	17.39	56.4	.09	<1	.6	19.0	30
PPD-17942	.86	<.1	.21	.15	2.6	7.3	.4	.02	<.05	9.0	10.54	22.1	.06	1	.2	13.3	30
PPD-17906	.69	<.1	.24	.85	5.1	5.0	.6	.01	<.05	10.0	8.98	18.5	.06	<1	.5	13.3	30
RE PPD-17906	.65	<.1	.21	.83	4.6	5.1	.6	.03	<.05	9.5	8.84	17.4	.06	<1	.5	12.7	30
PPD-17920	1.17	<.1	.26	1.05	4.4	5.8	.8	.03	<.05	12.5	9.07	15.7	.06	<1	.3	15.6	30
PPD-17986	.70	<.1	.17	.64	3.5	4.2	.5	.02	<.05	8.5	8.45	16.8	.05	<1	.3	14.8	30
PPD-17992	.91	<.1	.22	.10	3.0	13.1	.6	.01	<.05	10.2	18.70	21.3	.04	<1	.3	14.3	30
PPD-17987	1.35	<.1	.38	.11	1.8	19.1	.9	.01	<.05	14.0	19.27	10.9	.08	<1	.5	32.7	30
PPD-17918	1.56	<.1	.48	.07	2.2	9.4	.6	.01	<.05	16.5	13.01	14.9	.04	1	.4	16.5	30
PPD-17941	.80	<.1	.20	.14	2.5	7.2	.4	.01	<.05	9.2	10.50	20.0	.02	<1	.3	12.9	30
PPD-17991	1.02	<.1	.23	.71	4.3	5.6	.6	.02	<.05	10.3	7.99	21.4	.04	1	.4	14.8	30
PPD-17919	.96	<.1	.27	1.04	3.1	6.5	.7	.03	<.05	13.2	12.30	10.1	.03	1	.4	12.4	30
PPD-17981	.70	<.1	.27	.13	2.9	8.1	.5	.02	<.05	12.1	12.69	22.5	.03	<1	.4	10.9	30
STANDARD DS2	3.10	<.1	.08	1.35	12.7	2.9	26.9	.05	<.05	3.1	7.88	31.2	5.59	2	.4	14.7	30

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ___ FA ___

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
PPD-17995	1.29	<.1	.09	1.57	7.8	5.1	.7	.03	<.05	4.8	9.64	24.3	.03	<1	.4	21.7	30
PPD-17988	.82	<.1	.26	.65	4.7	4.9	.7	<.01	<.05	12.4	9.09	20.7	.02	1	.3	14.8	30
PPD-18000	1.57	<.1	.55	.43	3.7	12.3	.8	.01	<.05	18.9	15.44	14.3	.04	<1	.6	27.8	15
RE PPD-17988	.81	<.1	.28	.58	4.6	5.0	.5	.02	<.05	12.1	9.03	20.9	.03	<1	.3	15.6	30
STANDARD DS2	3.20	<.1	.04	1.32	12.8	2.7	25.0	.02	<.05	2.6	7.53	27.9	5.41	2	.5	13.4	30

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data 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

WHOLE ROCK ICP ANALYSIS

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002511R Page 1

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GEBD-17931	49.66	10.25	8.92	2.02	1.99	1.21	1.08	1.23	.28	.08	.021	600	30	15	23.1	6.87	.02	99.91
GEBD-17922	67.15	12.05	6.02	2.72	3.08	1.78	1.70	1.21	.21	.11	.017	1107	48	20	4.0	.26	<.01	100.18
GEBD-17925	57.79	12.12	6.21	2.75	3.29	1.58	1.13	1.08	.21	.12	.021	836	72	25	13.6	2.59	.04	100.01
GEBD-17930	47.72	11.37	7.88	2.90	2.98	1.20	.68	1.03	.29	.18	.022	960	66	20	23.5	6.29	.07	99.87
GEBD-17924	55.28	10.61	7.56	1.88	2.07	1.30	1.16	1.18	.27	.08	.017	814	41	17	18.4	4.31	.07	99.91
GEBD-17927	66.36	12.75	6.36	2.51	2.52	1.86	1.91	1.03	.19	.11	.036	1008	125	21	4.5	.12	.01	100.27
GEBD-17921	65.48	12.40	6.13	2.74	2.98	1.77	1.54	1.17	.17	.11	.021	1124	57	20	5.1	.39	<.01	99.75
GEBD-17926	64.93	12.96	6.73	2.76	2.86	1.72	1.78	1.10	.12	.12	.023	1113	48	23	4.8	.24	.01	100.04
GEBD-17923	60.49	12.81	6.78	2.67	2.33	1.57	1.51	1.32	.17	.10	.018	971	45	18	10.1	1.90	<.01	99.98
GEBD-17929	58.02	12.48	9.20	4.46	4.38	1.74	1.02	1.29	.17	.18	.026	983	71	29	6.9	.15	<.01	99.99
GEBD-17932	46.18	10.83	9.73	3.17	3.63	1.32	.57	1.38	.23	.12	.020	603	44	23	22.5	5.70	.03	99.76
GEBD-17928	54.34	12.09	7.09	3.19	4.40	1.84	.69	1.34	.26	.10	.020	497	40	28	14.3	2.96	.03	99.72
GSMD-17963	63.19	11.54	6.54	3.32	2.74	1.75	.94	1.06	.10	.11	.023	641	76	20	8.4	1.02	<.01	99.80
GSMD-17973	60.41	11.71	7.23	3.73	4.23	1.81	.87	1.31	.11	.13	.025	670	55	24	8.0	1.18	<.01	99.65
GSMD-17617	47.14	12.41	7.18	2.90	3.30	1.55	.60	1.13	.18	.10	.023	516	61	20	23.3	4.93	.03	99.88
GSMD-17969	58.58	12.33	6.87	3.84	2.33	1.23	1.92	1.15	.18	.09	.022	919	64	17	11.3	2.24	.01	99.96
GSMD-17602	57.75	10.84	7.42	2.94	3.78	1.61	.64	1.23	.25	.12	.020	652	48	23	13.4	2.61	.02	100.08
GSMD-17965	61.81	11.43	7.38	4.31	3.70	1.89	.77	1.17	.03	.17	.026	1344	123	24	6.9	.55	<.01	99.75
GSMD-17962	56.04	10.44	8.13	2.15	1.88	1.17	1.15	1.32	.20	.10	.013	1138	33	16	17.3	4.09	.01	100.03
GSMD-17615	62.84	11.61	7.21	3.31	3.38	1.80	.88	1.34	.18	.12	.019	871	50	19	7.1	1.01	.03	99.90
GSMD-17604	57.49	12.48	6.89	2.55	1.67	1.28	1.34	1.07	.26	.12	.020	1391	55	20	14.5	3.24	.02	99.84
RE GSMD-17974	62.34	10.68	6.50	3.60	5.18	1.86	.77	1.48	.19	.11	.022	664	37	27	7.1	1.31	.02	99.91
GSMD-17613	60.05	11.02	6.95	2.87	2.46	1.24	1.00	1.11	.19	.14	.019	1252	57	20	12.6	2.80	.01	99.80
GSMD-17603	44.52	13.68	9.14	4.46	4.84	1.86	.31	1.43	.19	.15	.022	346	58	30	19.5	4.14	.04	100.15
GSMD-17974	62.64	10.70	6.45	3.59	5.14	1.92	.65	1.49	.19	.11	.023	662	54	27	7.0	1.32	<.01	99.99
GSMD-17612	56.79	12.41	9.79	4.50	5.39	1.90	.77	1.47	.15	.18	.024	536	99	29	6.6	.59	<.01	100.05
GSMD-17967	42.23	15.02	14.27	6.70	6.27	1.54	.22	1.61	.14	.24	.026	233	195	37	11.6	1.21	<.01	99.92
GSMD-17601	59.65	10.67	7.19	2.99	3.79	1.64	.60	1.20	.18	.12	.019	660	46	22	11.7	2.21	<.01	99.83
GSMD-17611	64.04	11.72	7.28	3.17	3.36	1.67	.97	1.17	.15	.13	.021	766	67	27	6.0	.20	.03	99.78
GSMD-17614	59.36	11.31	8.25	3.89	3.83	1.43	.68	1.33	.12	.17	.019	1197	60	24	9.4	1.62	.01	99.93
GSMD-17971	58.24	11.81	6.96	3.07	3.49	1.52	1.13	1.24	.18	.12	.017	762	57	22	12.3	2.53	.05	100.17
GSMD-17976	55.57	10.50	7.57	3.19	3.83	1.47	.64	1.22	.20	.14	.017	804	51	22	15.5	3.66	.05	99.95
GSMD-17964	52.92	12.91	9.87	2.86	2.28	1.28	.87	1.46	.13	.12	.017	1245	52	20	15.2	2.75	.02	100.07
STANDARD SO-15/CSB	49.25	12.68	7.31	7.25	5.86	2.38	1.87	1.71	2.70	1.37	1.036	1943	78	12	5.9	2.40	5.33	99.54

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: -230 TILL

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 31 2000 DATE REPORT MAILED: Aug 28/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GSMD-17975	59.59	11.19	7.23	3.63	4.77	1.71	.80	1.40	.19	.15	.025	825	62	33	9.2	1.91	.02	99.99
GSMD-17968	54.05	12.10	8.81	7.29	2.24	1.03	1.06	1.05	.12	.11	.035	744	179	22	11.9	2.03	.01	99.90
GSMD-17608	56.25	12.28	8.92	2.16	2.69	1.67	.87	1.64	.30	.08	.022	564	51	19	13.0	2.55	.03	99.95
GSMD-17978	56.94	12.17	7.99	2.64	3.00	1.68	.74	1.28	.17	.10	.020	537	55	20	13.1	2.52	.07	99.90
GSMD-17607	51.13	13.35	8.12	2.49	2.98	1.68	.92	1.23	.16	.09	.018	495	58	21	17.7	3.88	.01	99.93
GSMD-17970	63.30	12.50	6.39	3.38	3.02	1.56	1.55	1.26	.11	.09	.021	1003	54	23	6.6	.79	.03	99.90
GSMD-17606	53.80	12.56	8.84	2.54	3.09	1.58	.88	1.41	.24	.08	.021	471	50	21	15.1	3.29	.01	100.20
GSMD-17977	48.93	11.76	10.97	3.48	2.94	1.50	.64	1.33	.39	.15	.022	622	66	25	17.9	4.13	.08	100.09
GSMD-17979	55.26	13.78	8.69	3.17	3.63	1.86	.68	1.45	.15	.09	.022	535	68	25	10.9	1.39	<.01	99.75
GSMD-17610	54.33	12.69	7.66	2.56	3.12	1.66	.92	1.36	.10	.07	.022	636	49	21	15.4	3.32	.07	99.97
GSMD-17972	59.73	12.28	7.37	3.41	4.11	1.86	.71	1.37	.11	.11	.022	728	51	32	8.7	1.50	.07	99.87
GSMD-17609	59.01	12.02	7.56	3.55	4.81	2.09	.42	1.51	.06	.10	.023	427	57	27	8.6	1.49	<.01	99.81
GSMD-17980	58.19	12.55	8.38	3.42	3.88	1.92	.55	1.42	.08	.14	.024	413	51	26	9.2	1.31	.01	99.81
GSMD-17605	56.73	12.74	7.62	2.85	3.10	1.70	.75	1.38	.18	.10	.024	603	47	22	12.5	2.17	.05	99.75
GSMD-17619	47.51	12.15	8.65	3.54	3.76	1.52	.58	1.30	.21	.13	.021	484	57	24	20.4	5.19	<.01	99.84
GSMD-17961	56.23	10.47	8.15	2.26	1.90	1.16	.96	1.32	.13	.10	.018	1199	51	16	17.1	3.77	.04	99.94
GSMD-17618	50.69	12.38	8.13	2.87	2.89	1.59	.74	1.24	.19	.12	.024	667	69	21	19.0	4.00	.03	99.95
GSMD-17620	52.17	11.40	7.68	3.52	3.76	1.39	.73	1.22	.17	.16	.021	941	61	25	17.4	4.03	.01	99.74
GSMD-17966	53.22	18.54	8.45	2.34	3.85	3.05	1.15	1.31	.10	.13	.010	323	<20	24	7.8	.67	.01	99.99
GSMD-17616	61.43	12.10	8.27	3.68	3.85	1.60	.89	1.31	.17	.17	.021	1101	40	30	6.5	.24	.01	100.12
GSMD-17947	57.25	10.04	6.94	2.21	8.59	.99	1.50	1.26	.24	.12	.015	1009	45	18	10.6	1.66	.02	99.88
RE GSMD-17907	57.82	10.78	8.60	1.97	1.79	1.26	.90	1.37	.18	.13	.014	730	32	14	15.0	3.11	.02	99.90
PPD-17907	57.93	10.77	8.52	1.97	1.80	1.24	.88	1.40	.19	.13	.019	728	32	15	15.0	3.19	.02	99.94
PPD-17915	49.47	13.52	10.81	4.87	4.51	1.46	.64	1.27	.11	.19	.026	350	97	24	12.8	1.91	.02	99.73
PPD-17989	60.95	11.95	8.18	4.00	4.88	1.70	.89	1.37	.16	.16	.024	625	68	28	5.6	.41	<.01	99.95
PPD-17901	56.26	11.88	7.32	3.06	3.66	1.65	.78	1.33	.19	.11	.022	626	50	24	13.8	2.81	.01	100.14
PPD-17916	58.63	11.93	7.97	3.35	3.65	1.71	.66	1.32	.15	.12	.024	447	68	24	10.5	1.57	<.01	100.08
PPD-17946	69.37	10.63	5.72	2.58	2.82	1.75	.91	1.17	.10	.12	.017	787	51	18	4.8	.22	.03	100.08
PPD-17912	62.40	11.47	7.41	3.60	4.22	1.79	.65	1.46	.13	.15	.021	828	58	26	6.6	.77	.02	100.00
PPD-17917	62.42	12.28	7.24	3.07	3.47	1.75	.89	1.32	.13	.12	.018	638	63	25	7.2	.69	.01	99.99
PPD-17903	59.36	12.22	6.34	2.50	2.95	1.71	.82	1.37	.14	.09	.024	645	51	26	12.2	2.58	<.01	99.81
PPD-17982	67.05	10.61	6.63	2.92	3.27	1.55	.86	1.23	.19	.16	.021	1219	55	24	5.3	.26	<.01	99.94
PPD-17944	48.25	11.19	7.78	2.51	3.41	1.41	.71	1.08	.28	.11	.026	650	62	26	23.0	5.95	.02	99.84
STANDARD SO-15/CSB	49.58	12.70	7.32	7.18	5.83	2.37	1.88	1.75	2.66	1.39	1.047	1935	75	13	5.9	2.41	5.32	99.83

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
PPD-17908	59.58	11.87	7.46	3.30	3.66	1.80	.69	1.40	.15	.12	.021	760	64	23	9.9	1.82	.01	100.05
PPD-17902	56.03	12.15	7.02	3.04	3.75	1.64	.75	1.31	.17	.11	.021	650	59	24	13.9	2.95	.01	99.97
PPD-17994	59.66	12.73	8.92	4.25	3.74	1.49	1.20	1.41	.23	.15	.024	922	71	27	6.0	.33	.01	99.92
PPD-17904	62.15	12.77	6.03	2.50	2.70	1.72	1.12	1.34	.10	.07	.021	768	63	20	9.2	1.42	.03	99.82
PPD-17945	51.47	11.68	10.02	8.53	5.57	1.17	.61	.92	.10	.17	.074	744	280	33	9.3	.20	.03	99.74
PPD-17909	58.90	11.41	7.21	2.61	2.87	1.68	.81	1.30	.16	.13	.020	756	49	20	12.7	2.58	.03	99.89
PPD-17913	62.54	11.91	7.62	3.54	4.13	1.88	.85	1.37	.10	.13	.022	1091	74	27	5.7	.22	<.01	99.93
PPD-17993	64.06	11.76	6.69	3.46	3.22	1.71	.87	1.19	.12	.12	.028	919	84	23	6.7	.65	.06	100.04
PPD-17997	54.90	11.50	7.09	1.86	1.67	1.28	.94	1.31	.23	.09	.014	539	39	17	18.8	5.38	<.01	99.75
PPD-17911	46.77	11.69	9.16	2.69	2.41	1.16	.59	1.41	.33	.12	.023	585	47	19	23.4	5.66	.04	99.83
PPD-17990	58.00	12.42	8.90	4.38	5.17	1.85	.64	1.55	.07	.17	.025	662	82	31	6.5	.52	<.01	99.76
PPD-17984	55.03	12.18	7.60	3.41	4.23	1.72	.57	1.41	.18	.12	.027	418	62	25	13.2	2.48	.04	99.73
PPD-17914	59.44	12.54	8.77	4.10	4.16	1.71	1.06	1.31	.12	.23	.023	1054	93	28	6.2	.13	<.01	99.80
PPD-17998	44.36	13.82	13.72	7.64	5.45	.92	.56	1.64	.15	.22	.017	337	75	33	11.2	1.18	.04	99.75
PPD-17905	58.51	13.55	6.86	2.77	3.12	1.85	1.15	1.31	.09	.08	.026	820	65	22	10.3	1.64	.02	99.72
PPD-17983	72.10	10.35	4.17	2.37	.78	.18	1.54	.66	<.01	.07	.008	2145	34	14	7.2	.27	<.01	99.68
PPD-17943	63.21	12.45	6.53	2.96	2.43	1.69	1.42	1.12	.11	.10	.022	926	64	19	7.7	1.05	.04	99.86
PPD-17910	52.12	11.36	8.75	2.70	3.11	1.44	.70	1.54	.21	.18	.022	694	50	22	17.6	4.05	.03	99.82
PPD-17999	65.03	14.01	5.36	1.24	1.22	2.46	2.92	.85	.18	.06	.004	360	43	11	6.4	1.00	.08	99.78
PPD-17996	50.52	12.85	6.08	1.68	1.43	1.37	1.06	1.06	.17	.04	.010	530	31	16	23.6	6.47	.05	99.94
PPD-17985	50.91	13.28	10.15	4.92	3.58	1.15	.45	1.29	.14	.35	.023	1040	100	30	13.4	1.81	.04	99.78
PPD-17942	64.92	11.25	6.66	3.81	3.55	1.68	1.00	1.16	.13	.12	.036	824	114	25	5.4	.23	<.01	99.83
PPD-17906	55.62	12.90	7.26	3.02	3.58	1.77	.82	1.36	.10	.09	.023	608	58	23	13.2	2.49	.03	99.82
RE PPD-17906	55.84	12.95	7.30	3.03	3.58	1.78	.84	1.35	.06	.09	.023	607	60	23	13.2	2.47	.04	100.12
PPD-17920	55.11	13.39	8.11	2.66	2.83	1.63	.94	1.52	.14	.08	.020	508	80	21	13.3	2.41	.03	99.80
PPD-17986	64.00	11.20	6.60	3.28	3.40	1.87	.75	1.25	.09	.12	.022	665	58	20	7.2	1.34	.01	99.87
PPD-17992	62.61	11.95	7.87	3.40	3.17	1.79	.94	1.21	.13	.20	.026	1199	114	30	6.6	.25	.03	100.05
PPD-17987	49.67	14.77	11.42	5.86	5.77	1.89	.46	1.41	.10	.25	.024	419	100	41	8.1	.75	.03	99.79
PPD-17918	56.01	12.91	10.68	4.84	4.61	1.64	.68	1.33	.10	.18	.022	474	93	32	6.8	.19	.03	99.87
PPD-17941	64.94	11.14	6.79	3.69	3.46	1.61	1.01	1.17	.13	.12	.034	835	103	24	5.4	.25	<.01	99.60
PPD-17991	57.54	12.58	7.50	3.32	3.42	1.80	.63	1.22	.13	.16	.026	4902	86	21	11.0	1.82	.01	99.89
PPD-17919	49.91	12.54	8.52	3.58	4.44	1.78	.40	1.37	.25	.12	.021	380	69	26	17.0	3.82	.02	99.99
PPD-17981	66.65	10.77	6.49	2.99	3.43	1.55	.88	1.22	.18	.18	.018	1349	65	25	5.1	.21	.03	99.62
STANDARD SO-15/CSB	49.36	12.73	7.44	7.19	5.83	2.43	1.79	1.77	2.69	1.41	1.044	1991	78	13	5.9	2.38	5.32	99.82

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
PPD-17995	54.86	13.05	7.96	2.62	2.23	1.44	1.20	1.33	.18	.07	.016	637	40	17	15.2	3.35	.03	100.23
PPD-17988	61.53	12.44	7.15	3.22	3.71	1.80	.83	1.32	.07	.11	.018	645	49	20	7.8	1.08	<.01	100.08
PPD-18000	44.77	15.26	14.24	5.89	5.52	1.56	.78	1.81	.15	.25	.012	620	67	32	9.6	.77	<.01	99.92
RE PPD-17988	61.42	12.48	7.14	3.25	3.71	1.74	.83	1.31	.17	.11	.018	651	59	20	7.8	1.08	<.01	100.06
STANDARD SO-15/CSB	49.11	12.83	7.31	7.27	5.88	2.41	1.84	1.66	2.70	1.39	1.061	1923	81	11	5.9	2.49	5.29	99.59

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002511R Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
GEBD-17931	15.1	2.2	15.0	4.7	9.6	39.1	3	115.3	.9	5.1	<1	1.6	201	<1	190.4	19.6	22.4	44.0	4.99	21.4	4.0	1.14	3.58	.65	3.76	.85	2.38	.35	2.26	.33
GEBD-17922	22.7	2.8	16.0	6.2	13.7	56.8	1	160.4	1.2	9.1	<1	2.2	179	1	273.3	36.6	43.4	85.9	9.44	40.1	7.3	1.93	6.48	1.09	6.38	1.39	3.84	.53	3.44	.53
GEBD-17925	31.5	3.2	13.2	5.4	10.4	39.2	<1	124.4	.9	7.7	<1	1.9	174	<1	227.4	40.2	31.8	91.6	7.87	36.0	7.4	2.06	6.83	1.19	6.85	1.58	4.22	.58	3.89	.55
GEBD-17930	37.2	2.3	13.3	3.5	6.6	27.3	<1	90.4	.7	3.8	<1	1.3	186	<1	142.3	25.4	17.4	41.3	4.33	20.0	4.4	1.33	4.47	.79	4.87	1.07	3.08	.41	2.74	.40
GEBD-17924	20.6	5.1	16.3	6.0	12.6	51.2	1	117.5	1.0	7.7	<1	2.4	194	1	255.7	36.8	38.1	75.5	8.88	38.7	7.2	1.85	6.37	1.09	6.44	1.46	4.11	.57	3.60	.57
GEBD-17927	25.0	3.0	17.3	5.5	12.5	66.9	4	162.4	1.3	8.9	<1	2.2	176	1	229.0	34.5	39.4	74.4	8.67	37.0	6.9	1.82	6.48	1.04	6.05	1.33	3.70	.51	3.34	.52
GEBD-17921	21.5	2.8	14.7	6.0	12.3	53.8	1	137.1	1.1	8.4	<1	2.1	160	1	247.4	33.0	40.8	82.9	8.94	38.0	7.1	1.77	6.08	1.03	5.88	1.31	3.58	.53	3.19	.50
GEBD-17926	21.3	2.9	15.9	5.0	11.6	61.8	<1	137.0	.9	7.5	<1	1.9	170	<1	217.1	31.9	32.9	65.7	7.38	32.3	6.2	1.61	5.90	.96	5.64	1.27	3.38	.48	3.02	.47
GEBD-17923	23.8	5.3	16.4	5.9	11.9	68.5	<1	156.1	1.0	6.9	<1	1.9	178	1	254.5	29.5	30.3	66.2	6.88	29.7	5.4	1.47	4.90	.85	5.19	1.15	3.21	.47	3.01	.44
GEBD-17929	31.6	2.0	16.8	4.2	8.8	35.0	<1	137.3	.7	3.8	<1	1.2	246	<1	177.2	35.1	20.7	40.9	5.16	24.2	5.1	1.61	5.74	.94	5.86	1.36	3.70	.52	3.42	.51
GEBD-17932	28.6	1.9	14.7	4.0	7.5	24.8	4	120.3	.7	3.0	<1	1.1	229	<1	170.7	25.3	16.8	35.9	4.20	19.3	4.2	1.35	4.50	.75	4.76	1.06	2.90	.43	2.48	.39
GEBD-17928	22.4	1.7	13.8	4.3	7.5	28.4	<1	134.0	.6	3.3	<1	1.2	217	<1	185.0	43.8	20.9	43.7	5.50	26.5	6.2	1.87	6.69	1.17	7.06	1.61	4.44	.60	3.97	.60
GSMD-17963	24.7	2.0	14.3	5.8	8.9	35.6	<1	131.8	.9	4.7	<1	1.5	169	<1	246.9	30.1	26.8	53.8	6.31	26.5	5.3	1.51	5.07	.86	5.17	1.18	3.26	.48	2.99	.47
GSMD-17973	25.1	1.9	14.4	5.5	9.1	37.5	<1	132.5	.7	5.0	<1	1.6	201	<1	245.2	31.3	25.6	56.5	5.96	26.0	5.2	1.46	5.17	.85	5.28	1.21	3.46	.50	3.17	.46
GSMD-17617	31.2	1.3	13.5	5.8	7.9	18.8	2	175.3	.7	3.5	<1	1.6	180	<1	262.1	28.3	21.0	41.3	5.05	22.7	4.6	1.36	4.68	.81	5.05	1.10	3.16	.44	2.81	.42
GSMD-17969	21.0	3.4	17.2	5.8	14.4	92.4	<1	92.9	1.3	8.4	<1	2.4	172	1	252.9	30.8	37.6	80.3	8.25	33.6	5.8	1.36	5.38	.85	5.26	1.15	3.28	.45	2.91	.46
GSMD-17602	22.0	2.0	13.4	4.6	7.1	24.2	3	114.8	4.5	3.2	<1	1.3	196	<1	198.0	40.6	19.8	49.0	5.22	23.6	5.7	1.62	5.95	1.04	6.66	1.45	4.28	.61	3.95	.60
GSMD-17965	28.6	2.0	14.2	4.3	8.4	30.0	<1	146.3	.7	3.4	<1	1.1	207	<1	184.4	27.6	20.3	45.2	4.97	22.4	4.9	1.32	4.60	.82	5.02	1.10	3.01	.44	2.85	.40
GSMD-17962	14.4	2.8	16.2	5.1	10.8	51.3	<1	101.1	.9	5.6	<1	1.7	212	1	226.6	23.7	27.3	53.6	6.06	24.9	4.6	1.26	4.17	.66	4.33	.94	2.61	.37	2.53	.37
GSMD-17615	21.3	1.6	14.2	4.9	10.2	38.5	<1	135.5	.9	4.6	<1	1.4	183	<1	213.8	25.6	23.9	46.6	5.56	22.8	4.5	1.33	4.24	.72	4.52	.97	2.80	.39	2.53	.39
GSMD-17604	17.8	5.3	16.6	5.2	10.1	62.7	<1	108.2	.8	6.1	<1	1.9	152	1	230.8	32.5	31.0	68.8	7.41	32.3	6.4	1.53	5.74	.91	5.54	1.24	3.48	.50	3.20	.46
RE GSMD-17974	23.6	1.4	13.7	6.4	8.9	27.8	<1	153.9	.8	3.8	<1	1.6	223	<1	277.5	36.3	24.4	48.4	6.20	27.8	6.0	1.82	5.88	1.01	6.18	1.37	3.82	.55	3.74	.54
GSMD-17613	28.4	2.4	14.0	4.7	9.1	44.3	1	100.8	.8	4.3	<1	1.6	194	<1	198.2	31.8	27.6	57.0	6.78	29.0	6.1	1.55	5.87	.97	5.99	1.25	3.58	.46	3.05	.45
GSMD-17603	38.9	1.3	14.3	3.4	4.1	10.3	<1	105.3	.4	1.5	<1	.7	246	<1	144.9	35.2	11.2	30.4	3.72	18.6	5.0	1.73	5.83	1.07	6.51	1.43	3.84	.53	3.41	.47
GSMD-17974	22.1	1.3	12.5	6.0	8.6	26.3	<1	147.7	.8	4.0	<1	1.5	201	<1	257.1	36.1	24.0	48.7	5.97	27.0	5.6	1.60	5.85	.96	6.19	1.33	3.84	.54	3.45	.52
GSMD-17612	55.4	2.7	16.4	5.1	7.3	25.0	1	127.7	.6	3.5	1.1	1.1	270	4	217.9	35.0	20.7	50.1	5.52	25.0	5.5	1.79	5.98	1.02	6.07	1.31	3.76	.52	3.38	.50
GSMD-17967	76.0	1.7	19.5	2.6	2.6	6.9	2	105.3	.4	.4	<1	.2	338	<1	105.4	28.4	6.3	18.1	2.37	12.9	3.6	1.61	4.39	.79	4.85	1.10	3.07	.41	2.71	.42
GSMD-17601	21.6	1.9	12.7	4.5	7.2	23.7	<1	120.0	.6	3.2	<1	1.3	191	<1	194.6	37.5	19.6	47.1	5.06	23.1	5.1	1.47	5.54	.98	6.18	1.38	3.98	.57	3.79	.54
GSMD-17611	23.5	2.2	14.8	5.3	7.9	37.1	2	123.7	.8	4.9	<1	1.6	189	2	233.9	32.5	22.8	46.6	5.59	24.8	5.1	1.37	5.49	.88	5.38	1.18	3.38	.54	3.02	.49
GSMD-17614	27.1	1.7	13.9	4.1	8.6	27.8	1	127.3	.7	3.0	<1	1.3	229	1	177.6	30.5	17.9	40.1	4.64	20.5	4.7	1.41	5.19	.89	5.34	1.19	3.24	.45	3.01	.45
GSMD-17971	23.5	1.9	14.3	5.8	9.6	40.9	1	121.3	.8	5.1	1.4	1.8	180	1	252.3	32.1	27.6	63.0	6.67	28.4	5.9	1.49	5.45	.94	5.75	1.22	3.43	.44	3.12	.41
GSMD-17976	24.7	1.5	12.6	4.3	7.9	27.5	<1	105.1	.6	3.2	<1	1.4	185	<1	186.9	29.0	18.4	38.0	4.67	21.3	4.6	1.28	5.24	.80	5.10	1.10	3.08	.46	2.97	.41
GSMD-17964	27.1	3.6	15.8	4.8	11.7	37.2	5	157.4	1.1	4.7	<1	1.7	237	1	206.1	25.2	24.9	50.9	5.34	22.6	4.5	1.11	4.19	.71	4.57	.99	2.81	.38	2.64	.39
STANDARD SO-15	20.8	3.0	15.7	25.9	31.4	64.6	17	395.9	1.8	22.0	1.2	20.4	152	20	1045.9	22.6	29.8	60.3	6.14	24.5	4.5	1.08	4.02	.62	3.80	.80	2.44	.36	2.58	.41

GROUP 4B - REE - LiBO2 FUSION, ICP/MS FINISHED.
- SAMPLE TYPE: -230 TILL
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 31 2000 DATE REPORT MAILED: Aug 28/00 SIGNED BY..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
GSMD-17975	25.9	2.0	14.8	6.0	7.9	30.6	1	135.3	.7	4.2	.2	2.5	208	1	203.7	39.4	23.2	45.2	6.16	26.7	5.9	1.77	6.40	1.06	6.43	1.31	4.29	.57	3.76	.52
GSMD-17968	39.8	2.2	15.1	4.7	9.5	49.6	1	65.7	.8	5.8	.2	1.5	160	2	171.1	26.0	23.8	49.8	5.83	23.4	4.6	1.29	4.78	.74	4.49	.89	2.84	.42	2.57	.36
GSMD-17608	18.2	2.4	18.7	5.5	10.6	39.7	2	118.6	.9	4.5	.2	1.4	215	1	193.9	22.8	22.2	44.6	5.41	22.1	3.9	1.23	3.90	.65	4.15	.80	2.56	.40	2.42	.35
GSMD-17978	25.7	2.0	16.0	5.1	8.3	32.0	1	121.8	.7	3.9	.1	1.3	195	<1	178.9	23.4	19.1	41.1	4.73	19.8	3.8	1.17	3.71	.64	3.96	.84	2.64	.36	2.62	.37
GSMD-17607	30.2	2.0	16.2	4.8	9.1	33.6	1	129.8	.8	4.8	.2	1.4	186	<1	171.8	28.1	21.3	56.8	5.48	22.9	4.9	1.35	4.82	.80	4.97	1.01	3.23	.48	3.05	.42
GSMD-17970	18.3	2.7	16.5	6.2	13.0	74.8	2	108.6	1.1	8.4	.3	2.5	164	1	231.2	36.0	39.1	80.9	9.25	37.1	6.6	1.69	5.91	.94	5.90	1.20	3.88	.55	3.45	.49
GSMD-17606	21.6	2.6	16.3	5.5	9.5	36.9	1	121.6	.8	4.4	.1	1.4	197	<1	201.1	27.3	22.8	46.0	5.61	22.6	4.8	1.36	4.76	.77	4.65	.92	3.02	.42	2.78	.36
GSMD-17977	38.0	4.4	16.3	5.0	8.4	29.8	1	106.9	.7	3.4	.1	1.2	223	<1	184.7	24.8	20.2	39.9	4.94	20.9	4.3	1.68	4.52	.77	4.49	.89	2.72	.40	2.45	.34
GSMD-17979	32.5	2.0	15.3	4.9	8.2	27.1	1	127.4	.7	3.4	.2	1.2	205	<1	174.6	26.2	17.7	39.6	4.59	19.3	4.1	1.33	4.23	.69	4.49	.91	2.87	.40	2.73	.36
GSMD-17610	23.1	1.9	16.1	5.0	9.6	38.8	2	121.2	.8	4.5	.2	1.4	189	<1	182.1	27.3	21.9	47.0	5.46	22.1	4.5	1.31	4.53	.77	4.65	.91	2.97	.41	2.73	.37
)-17972	24.1	1.8	15.2	5.1	7.7	27.2	4	130.6	.7	3.8	.2	2.6	197	<1	187.0	36.8	21.6	42.1	5.75	24.6	5.6	1.70	5.71	.97	6.10	1.23	3.83	.53	3.55	.51
-17609	25.7	1.0	13.8	5.1	6.5	17.5	1	130.7	.6	2.7	.1	1.0	209	<1	186.1	27.1	15.9	36.2	4.27	17.9	3.9	1.38	4.31	.74	4.75	.95	2.98	.43	2.79	.40
GSMD-17980	27.3	2.0	14.9	5.9	7.4	21.0	2	149.4	.6	3.9	.2	1.3	220	<1	217.6	31.3	20.5	45.6	5.44	23.2	5.2	1.49	5.46	.91	5.35	1.06	3.39	.49	3.07	.43
GSMD-17605	23.3	2.4	14.9	4.7	8.6	33.0	4	116.8	.7	3.5	.2	1.2	187	<1	174.9	24.9	19.0	38.5	4.69	19.2	4.1	1.26	4.28	.68	4.48	.84	2.85	.39	2.60	.36
GSMD-17619	31.3	2.1	13.5	4.2	6.4	22.9	2	98.4	.5	3.2	.1	1.1	187	<1	156.8	26.7	16.5	34.9	4.45	18.7	4.0	1.37	4.32	.76	4.84	.93	2.92	.39	2.62	.38
GSMD-17961	14.4	2.4	15.8	5.0	10.5	47.7	1	90.0	.8	5.0	.6	1.6	193	<1	192.8	24.0	23.9	47.3	5.63	22.4	4.2	1.10	3.72	.63	3.97	.82	2.51	.37	2.61	.36
GSMD-17618	27.9	1.9	14.9	5.5	8.9	29.0	1	146.2	.7	4.2	.7	1.7	188	<1	205.7	30.2	22.0	46.3	5.57	23.3	4.8	1.54	5.14	.86	5.29	1.04	3.19	.46	2.87	.40
GSMD-17620	35.4	2.3	14.4	4.5	7.6	28.5	1	113.2	.6	4.2	.4	1.3	207	<1	163.8	37.2	21.1	47.8	5.75	24.3	5.2	1.63	5.80	.97	6.09	1.24	3.81	.51	3.39	.49
GSMD-17966	18.5	2.7	23.0	5.4	8.0	40.1	2	350.8	.6	4.7	.5	1.4	187	<1	212.1	31.5	21.6	51.9	6.34	26.5	5.3	1.77	5.54	.89	5.31	1.09	3.44	.46	3.14	.45
GSMD-17616	25.9	1.6	15.0	4.5	8.6	32.8	1	131.6	.7	3.7	.5	1.3	204	<1	168.6	31.1	20.6	40.0	5.31	22.6	4.7	1.47	5.04	.84	5.07	1.02	3.25	.46	3.21	.41
GSMD-17947	27.5	2.8	13.7	8.6	18.6	55.9	1	160.7	1.5	11.8	.4	2.4	124	1	335.4	38.0	58.8	115.9	13.41	51.6	9.1	2.15	7.56	1.13	6.58	1.21	3.78	.52	3.28	.48
RE GSMD-17907	19.1	3.8	17.3	4.7	11.2	46.1	2	97.2	.9	5.1	.5	1.5	202	1	183.0	24.6	25.0	50.2	5.98	23.6	4.3	1.13	4.26	.61	4.07	.81	2.58	.36	2.42	.37
PPD-17907	19.5	3.7	17.5	4.9	11.5	46.8	2	98.8	.9	5.1	.4	1.6	201	<1	184.5	24.9	24.8	49.5	5.90	22.9	4.5	1.08	4.16	.70	4.19	.84	2.72	.37	2.58	.35
PPD-17915	67.7	3.1	19.0	3.2	5.3	24.2	2	158.7	.4	1.8	.4	.6	240	<1	115.5	27.0	12.2	29.0	3.53	15.9	3.9	1.51	4.58	.73	4.82	.90	2.88	.41	2.59	.37
PPD-17989	33.7	2.1	16.3	4.8	8.2	32.6	2	116.4	.7	3.8	.6	1.1	241	<1	184.2	34.5	21.5	51.9	5.56	23.4	5.4	1.67	5.80	.98	5.82	1.13	3.63	.53	3.13	.44
PPD-17901	27.0	2.0	14.8	5.6	9.2	34.6	1	110.0	.7	4.4	.5	1.4	195	<1	212.9	29.9	22.9	49.1	5.73	23.1	4.8	1.46	5.12	.81	5.08	.99	3.14	.44	2.87	.41
PPD-17916	35.4	1.8	15.1	4.8	7.3	27.6	2	116.1	.6	3.5	1.0	1.1	203	<1	176.8	34.7	19.6	44.5	5.33	22.9	5.3	1.62	5.75	.93	6.13	1.19	3.76	.53	3.43	.45
PPD-17946	20.6	1.7	13.6	5.6	9.6	34.8	2	131.6	.8	5.0	.9	1.5	153	<1	223.9	26.9	25.9	54.7	6.26	24.7	4.7	1.38	4.71	.70	4.56	.85	2.74	.40	2.48	.35
PPD-17912	25.3	1.4	14.7	4.7	8.0	25.4	2	127.4	.7	3.1	.8	1.0	216	<1	176.2	29.6	18.6	41.0	4.89	20.6	4.6	1.42	4.82	.85	5.22	1.03	3.19	.47	2.86	.43
-17917	29.8	2.6	14.9	7.7	10.4	36.3	3	136.9	1.0	7.4	1.4	2.2	182	1	284.7	37.8	34.1	74.1	8.26	33.0	6.8	1.84	6.20	1.05	6.22	1.24	3.80	.59	3.50	.52
PPD-17903	18.1	2.2	16.4	4.9	9.8	38.0	2	113.4	.8	5.0	.7	1.8	188	1	185.5	38.1	28.3	51.2	7.49	30.7	6.5	1.94	6.99	1.10	6.75	1.28	3.80	.54	3.34	.45
PPD-17982	21.9	1.9	13.1	5.5	8.5	33.0	2	109.6	.7	4.5	1.1	1.6	186	<1	204.6	33.1	28.3	55.7	7.05	28.0	5.8	1.64	6.33	1.00	6.07	1.14	3.52	.46	3.20	.44
PPD-17944	27.3	2.2	13.9	4.7	8.0	29.9	2	120.1	.8	4.7	.8	2.3	177	<1	172.6	43.5	23.6	53.5	6.59	27.7	6.2	1.80	6.83	1.13	6.74	1.31	4.28	.61	4.01	.55
STANDARD SO-15	21.4	2.9	17.1	26.4	32.5	65.3	18	397.4	2.0	23.1	.8	21.0	154	19	1090.7	23.6	29.3	58.2	6.26	24.2	4.5	1.04	3.91	.63	3.86	.77	2.43	.38	2.54	.41

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
PPD-17908	22.0	1.4	14.2	4.7	7.7	28.6	1	127.9	.7	3.9	.2	1.3	215	<1	172.9	27.8	19.5	41.9	4.91	20.3	4.8	1.52	5.05	.79	5.15	1.10	3.37	.49	3.03	.44
PPD-17902	25.9	1.7	14.1	4.9	8.3	32.7	1	106.1	.8	4.7	.1	1.3	205	2	181.9	28.0	22.8	50.3	5.62	22.5	5.2	1.42	4.97	.81	5.29	1.05	3.27	.44	2.85	.41
PPD-17994	31.0	2.4	16.7	4.8	10.4	50.5	2	100.6	.9	6.0	.3	1.7	249	<1	174.1	33.9	27.1	54.9	6.41	26.6	6.1	1.63	6.21	.95	6.01	1.30	3.66	.54	3.38	.51
PPD-17904	15.6	2.2	15.9	5.0	10.8	53.7	1	120.4	.9	5.5	.2	1.5	183	1	192.1	24.9	26.8	53.7	6.06	24.0	5.0	1.31	4.59	.72	4.62	.92	2.77	.41	2.52	.38
PPD-17945	56.4	3.2	13.7	3.2	5.8	21.6	<1	123.6	.5	2.6	.1	.9	198	<1	119.3	25.2	13.2	27.0	3.53	16.1	4.0	1.18	4.37	.66	4.36	.94	2.80	.41	2.43	.37
PPD-17909	21.3	2.0	15.4	5.3	9.1	36.7	1	138.0	.8	5.1	.1	1.5	196	<1	197.9	28.9	24.5	52.4	5.86	24.2	5.4	1.50	5.25	.80	5.06	1.09	3.25	.50	3.03	.45
PPD-17913	21.3	1.5	15.0	4.6	8.0	31.2	1	136.5	.8	3.9	.1	1.1	227	<1	174.1	30.7	19.6	40.7	5.00	22.3	5.0	1.51	5.32	.84	5.62	1.17	3.52	.53	2.99	.46
PPD-17993	25.3	2.2	14.1	6.1	9.3	33.7	1	149.7	.8	5.5	.2	1.8	191	<1	226.9	36.5	27.1	65.5	6.60	27.5	6.2	1.60	6.36	.95	6.29	1.33	4.05	.57	3.77	.54
PPD-17997	12.5	3.6	16.0	4.9	11.0	52.2	2	100.2	.9	6.2	.2	1.8	177	<1	184.2	22.0	25.4	51.8	5.77	22.4	4.4	1.18	4.23	.63	4.02	.84	2.44	.36	2.21	.35
PPD-17911	19.3	2.7	15.1	4.3	8.4	30.7	2	106.3	.7	3.8	.1	1.3	218	<1	159.9	22.9	17.3	36.9	4.10	17.4	3.9	1.22	4.03	.68	4.43	.90	2.68	.38	2.43	.36
[illegible]-17990	31.5	1.8	15.0	4.4	5.8	23.4	3	120.5	.5	2.5	.1	.8	257	<1	160.3	31.5	13.3	33.4	3.83	17.9	4.5	1.46	5.27	.85	5.68	1.19	3.58	.51	3.25	.50
[illegible]-17984	27.5	1.3	13.1	4.9	6.9	20.5	1	147.7	.6	3.6	.1	1.2	210	<1	184.0	25.8	17.5	37.5	4.29	18.5	4.3	1.32	4.38	.73	4.86	1.01	3.04	.46	2.69	.41
PPD-17914	30.5	2.4	16.4	4.1	7.2	40.2	2	130.8	.6	4.0	.2	1.1	232	<1	159.5	30.5	19.9	41.8	5.05	21.1	5.1	1.46	5.64	.84	5.48	1.14	3.42	.49	3.06	.48
PPD-17998	56.3	2.3	18.0	3.1	9.2	22.6	3	86.9	.7	2.3	.2	.9	323	<1	107.5	29.6	11.1	25.5	3.11	14.3	4.2	1.36	4.75	.79	5.36	1.13	3.44	.50	3.17	.47
PPD-17905	21.0	2.1	14.5	4.9	9.6	50.1	1	121.3	.7	5.2	.2	1.4	191	<1	179.5	24.4	22.7	50.8	5.24	21.0	4.6	1.25	4.34	.68	4.38	.93	2.81	.40	2.53	.40
PPD-17983	9.4	5.7	12.1	3.1	8.0	70.0	2	23.6	.7	6.0	.7	1.2	105	1	113.2	15.7	19.7	42.4	4.40	17.0	3.4	.65	2.88	.43	2.89	.62	1.83	.28	1.65	.27
PPD-17943	20.6	3.0	15.7	5.3	11.6	61.0	2	114.0	.9	7.3	.8	1.8	172	1	198.9	27.6	30.7	61.2	6.84	26.5	5.5	1.33	4.90	.72	4.61	.97	3.02	.46	2.50	.42
PPD-17910	27.3	2.0	16.6	4.7	9.2	33.1	1	127.8	.7	4.5	.5	1.5	235	<1	177.2	37.6	22.9	48.0	6.05	26.3	6.1	1.80	6.85	1.11	7.00	1.48	4.26	.65	3.71	.57
PPD-17999	7.1	12.8	17.1	10.3	15.1	170.0	13	116.2	1.6	17.2	1.0	4.8	66	200	391.3	31.7	45.0	86.3	9.19	34.9	7.1	1.29	5.94	.90	5.41	1.17	3.49	.50	3.42	.47
PPD-17996	15.9	2.6	15.4	5.5	10.8	44.1	2	84.8	.9	6.4	.5	2.2	133	2	204.9	24.3	23.2	50.2	5.44	21.8	4.6	1.22	4.60	.73	4.78	.96	2.75	.39	2.38	.33
PPD-17985	49.9	1.9	14.3	3.2	9.1	17.7	1	97.3	.7	3.9	.4	1.0	264	2	114.7	29.9	20.4	76.4	5.27	22.8	5.5	1.71	5.65	.99	6.05	1.28	3.63	.51	3.07	.45
PPD-17942	26.1	2.4	13.8	6.4	10.1	39.7	1	137.6	.8	6.5	.5	1.8	186	<1	240.4	31.4	30.3	60.1	7.12	28.1	6.2	1.56	5.87	.88	5.44	1.17	3.48	.49	3.22	.47
PPD-17906	26.2	1.9	14.3	4.8	8.3	37.5	1	118.3	.7	4.3	.4	1.2	207	3	180.8	26.3	19.3	44.6	4.64	19.8	4.6	1.35	4.45	.78	4.83	1.05	3.09	.45	2.84	.40
RE PPD-17906	26.7	1.8	14.5	4.9	8.3	37.1	1	120.3	.6	4.3	.6	1.3	211	<1	178.2	26.9	19.2	44.3	4.68	19.4	4.7	1.38	4.73	.74	4.94	1.07	3.02	.46	2.86	.42
PPD-17920	28.7	2.5	16.3	6.9	11.9	38.3	2	148.8	.9	6.0	.5	1.8	227	<1	256.8	29.8	27.1	56.1	6.36	25.6	5.6	1.47	5.29	.81	5.38	1.12	3.38	.49	3.12	.48
PPD-17986	26.0	2.0	13.7	5.3	8.0	32.2	1	125.4	.7	4.2	.5	1.2	205	<1	200.7	27.2	20.2	45.2	4.86	20.2	4.6	1.29	4.66	.76	4.87	1.05	3.10	.47	2.81	.41
PPD-17992	29.8	6.8	14.6	6.7	8.7	35.8	2	150.0	.8	5.4	.6	1.8	196	<1	247.2	39.9	26.9	53.9	6.64	28.3	6.5	1.73	6.84	1.05	6.55	1.40	4.48	.65	3.99	.65
PPD-17987	47.5	2.5	19.9	3.1	3.7	15.4	2	82.4	.3	1.2	.5	.3	305	<1	109.5	34.7	9.9	24.6	3.63	19.1	5.6	2.17	7.05	1.07	6.64	1.41	3.98	.59	3.53	.51
PPD-17918	41.9	2.9	17.5	4.2	5.8	24.9	2	126.6	.6	3.3	.9	1.1	273	1	148.1	30.6	16.1	36.2	4.19	19.5	5.1	1.64	5.34	.91	5.47	1.19	3.48	.55	3.20	.52
[illegible]-17941	26.2	2.6	13.8	6.5	10.4	39.8	2	134.3	1.0	7.0	.5	1.9	185	<1	241.9	31.7	30.9	62.0	7.21	29.6	6.3	1.55	6.15	.91	5.36	1.17	3.56	.51	3.07	.45
PPD-17991	31.2	2.6	14.2	5.3	8.0	28.2	2	145.5	.8	3.9	.9	1.2	208	<1	194.9	23.7	18.1	49.4	4.41	18.1	4.0	.75	4.04	.65	4.20	.88	2.75	.41	2.53	.39
PPD-17919	28.9	2.2	13.4	3.6	5.3	16.6	1	107.8	.5	2.1	.6	.7	227	<1	134.0	26.8	11.8	27.1	3.40	15.3	4.2	1.38	4.74	.76	4.77	1.03	3.01	.45	2.70	.40
PPD-17981	22.6	1.9	13.1	5.4	8.4	33.0	2	109.9	.7	5.0	.5	1.7	206	<1	202.3	33.4	28.5	54.9	6.82	28.3	6.4	1.73	6.11	.99	5.85	1.23	3.64	.53	3.13	.47
STANDARD SO-15	21.4	2.7	16.6	25.7	32.0	65.5	18	391.3	1.7	23.1	.9	20.3	154	18	1052.8	22.6	29.6	59.1	6.09	23.3	4.5	1.03	3.94	.60	3.75	.77	2.46	.37	2.45	.42

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
PPD-17995	18.6	3.1	18.1	6.1	12.6	53.4	2	107.5	1.0	7.4	.6	2.0	186	1	210.3	29.0	30.1	58.3	6.98	29.5	6.0	1.41	5.64	.83	5.24	1.08	3.02	.44	2.74	.44
PPD-17988	26.1	2.0	15.1	5.9	8.5	33.6	1	112.6	.7	4.7	.4	1.4	198	3	198.5	28.8	21.8	49.3	5.37	22.7	4.9	1.34	5.03	.81	4.98	1.11	3.01	.43	2.91	.43
PPD-18000	60.8	2.7	20.4	3.3	6.2	25.3	1	121.8	.5	1.8	.5	.6	363	4	103.6	31.8	8.8	20.9	2.77	14.0	4.2	1.41	4.88	.81	5.56	1.23	3.43	.51	3.22	.49
RE PPD-17988	26.2	2.0	14.7	5.4	8.4	33.7	1	111.8	.7	4.6	.4	1.4	198	3	189.0	28.0	22.2	49.0	5.39	22.3	4.9	1.37	5.02	.80	5.31	1.09	2.99	.43	2.82	.41
STANDARD SO-15	21.0	2.9	16.8	26.6	30.8	64.2	18	401.5	2.1	22.9	1.0	21.1	153	20	1050.8	23.0	29.6	57.1	6.19	24.1	4.5	1.08	3.81	.56	3.76	.80	2.41	.36	2.48	.41

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002511R Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
GEBD-17931	1.0	25	9	93	32	4	<.2	2	1
GEBD-17922	.7	64	9	77	53	5	<.2	1	3
GEBD-17925	.7	108	10	68	75	7	.3	2	1
GEBD-17930	1.0	71	10	90	64	7	<.2	2	1
GEBD-17924	1.8	56	12	77	43	6	<.2	<1	2
GEBD-17927	.7	73	12	86	51	6	<.2	2	1
GEBD-17921	.7	71	9	75	57	7	<.2	2	2
GEBD-17926	.7	97	11	80	53	6	<.2	1	1
GEBD-17923	1.0	43	11	86	46	3	<.2	1	3
GEBD-17929	.5	94	7	98	72	3	.2	2	2
GEBD-17932	1.1	37	6	77	45	5	.3	1	2
GEBD-17928	.6	31	7	70	47	3	<.2	1	3
GSMD-17963	.7	34	8	67	68	4	<.2	1	1
GSMD-17973	.6	43	8	72	62	5	<.2	1	3
GSMD-17617	.6	60	5	66	72	3	<.2	2	2
GSMD-17969	.9	32	14	104	85	9	<.2	2	1
GSMD-17602	.6	44	6	61	55	5	<.2	1	1
GSMD-17965	.6	51	8	68	79	4	.2	<1	1
GSMD-17962	1.0	29	12	88	36	5	.3	1	3
GSMD-17615	.6	26	7	74	48	2	<.2	<1	1
GSMD-17604	.9	87	33	134	52	3	<.2	1	3
RE GSMD-17974	.5	30	5	61	50	2	<.2	<1	2
GSMD-17613	.6	98	13	105	65	4	<.2	1	1
GSMD-17603	.7	66	3	77	73	5	<.2	3	3
GSMD-17974	.6	30	5	59	51	2	<.2	1	2
GSMD-17612	.7	117	6	107	110	6	.2	3	2
GSMD-17967	<.5	142	<3	126	106	<2	<.2	3	3
GSMD-17601	.6	41	5	57	55	5	<.2	2	2
GSMD-17611	.5	59	9	77	65	4	<.2	2	1
GSMD-17614	.7	64	7	80	65	4	.3	1	2
GSMD-17971	.7	31	9	82	58	4	<.2	2	2
GSMD-17976	.7	52	6	69	52	3	.2	<1	1
GSMD-17964	1.0	51	11	114	70	5	.4	1	2
STANDARD CT3	22.8	62	40	187	39	59	18.6	23	24
STANDARD G-2	1.6	1	18	52	7	<2	<.2	<1	<1

GROUP 1EX - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: -230 TILL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 31 2000 DATE REPORT MAILED: Aug 28/00 SIGNED BY..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
GSMD-17975	.7	68	8	75	57	6	.2	1	3
GSMD-17968	.6	67	12	112	229	19	.5	2	<1
GSMD-17608	.8	14	9	95	42	2	<.2	<1	3
GSMD-17978	.8	28	7	80	65	4	.4	1	3
GSMD-17607	.8	46	11	81	64	5	.3	<1	2
GSMD-17970	.6	28	12	88	65	4	<.2	<1	2
GSMD-17606	.7	18	7	95	52	2	<.2	<1	2
GSMD-17977	.9	120	8	89	63	11	.4	2	2
GSMD-17979	.8	39	6	71	83	4	.4	1	3
GSMD-17610	.8	19	7	70	53	3	<.2	1	2
GSMD-17972	.8	72	7	72	63	6	.2	1	2
GSMD-17609	.6	22	5	57	58	2	<.2	2	2
GSMD-17980	.6	59	5	70	60	4	.3	<1	2
GSMD-17605	.8	24	6	121	53	3	.2	<1	2
GSMD-17619	.7	44	7	72	66	3	.5	2	1
GSMD-17961	1.0	32	11	89	39	4	.3	<1	1
GSMD-17618	1.0	40	8	87	58	5	.3	1	2
GSMD-17620	.8	70	8	77	67	6	.5	1	1
GSMD-17966	1.5	27	10	87	15	2	.2	1	3
GSMD-17616	.6	78	9	91	68	5	<.2	2	3
GSMD-17947	.6	74	34	133	77	10	.4	2	1
RE GSMD-17907	1.0	35	25	128	35	7	.3	1	2
PPD-17907	.9	36	25	130	36	7	.2	<1	3
PPD-17915	.6	89	4	98	118	3	.2	2	2
PPD-17989	.6	91	9	88	76	7	.3	2	3
PPD-17901	.8	29	7	71	56	4	.3	2	2
PPD-17916	.6	45	6	63	65	5	.3	1	2
PPD-17946	.6	35	9	63	63	4	<.2	<1	1
PPD-17912	.6	42	6	70	58	4	<.2	1	1
PPD-17917	.7	109	11	79	80	8	.4	3	1
PPD-17903	.9	46	10	69	50	3	.2	1	2
PPD-17982	.8	60	10	75	57	6	<.2	<1	2
PPD-17944	1.4	121	8	63	71	8	.4	2	1
STANDARD CT3	22.2	66	41	187	39	60	20.0	22	24
STANDARD G-2	1.6	1	21	54	7	<2	<.2	<1	<1

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
PPD-17908	<.5	40	6	66	51	4	<.2	1	1
PPD-17902	.5	35	6	61	53	6	<.2	2	1
PPD-17994	<.5	73	10	109	61	9	<.2	2	1
PPD-17904	.5	19	7	70	41	3	<.2	1	1
PPD-17945	<.5	155	4	86	313	7	.2	1	1
PPD-17909	.6	57	7	88	46	3	<.2	2	<1
PPD-17913	<.5	54	5	72	58	4	<.2	1	1
PPD-17993	.5	80	7	61	80	5	<.2	<1	1
PPD-17997	.7	40	9	90	28	4	<.2	2	<1
PPD-17911	.8	41	6	101	43	4	.2	1	1
PPD-17990	<.5	75	4	77	71	6	<.2	2	1
PPD-17984	<.5	36	4	69	57	4	<.2	<1	<1
PPD-17914	<.5	98	9	102	68	8	<.2	<1	1
PPD-17998	<.5	189	<3	119	54	3	<.2	1	2
PPD-17905	.7	33	7	68	57	5	<.2	1	2
PPD-17983	<.5	73	9	95	40	<2	<.2	<1	<1
PPD-17943	.8	37	9	70	68	5	<.2	<1	<1
PPD-17910	.6	64	7	90	43	6	<.2	1	<1
PPD-17999	15.3	252	51	70	17	116	<.2	<1	46
PPD-17996	.8	57	8	58	29	2	<.2	1	<1
PPD-17985	<.5	181	15	88	95	7	<.2	2	1
PPD-17942	.5	47	7	64	109	7	<.2	1	<1
PPD-17906	<.5	31	5	61	59	5	<.2	2	<1
RE PPD-17906	.5	31	6	61	57	6	<.2	1	<1
PPD-17920	.6	40	7	83	66	5	<.2	1	<1
PPD-17986	<.5	35	6	55	58	7	<.2	2	<1
PPD-17992	<.5	115	11	88	86	7	<.2	1	<1
PPD-17987	.7	149	4	107	112	22	<.2	6	1
PPD-17918	<.5	149	4	119	95	3	.2	2	1
PPD-17941	.5	49	7	64	111	6	<.2	1	<1
PPD-17991	.8	77	7	86	91	5	<.2	2	<1
PPD-17919	<.5	43	<3	78	65	5	<.2	1	1
PPD-17981	.6	63	9	68	55	7	<.2	2	<1
STANDARD CT3	24.8	63	38	182	37	60	19.2	23	22

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
PPD-17995	.9	60	10	93	45	7	<.2	1	1
PPD-17988	<.5	39	6	63	63	6	<.2	2	1
PPD-18000	<.5	195	3	136	74	10	<.2	1	3
RE PPD-17988	<.5	37	6	65	61	5	<.2	2	1
STANDARD CT3	26.1	50	43	178	39	61	19.9	24	24

Sample type: -230 TILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002512 Page 1

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
LAMX-10362	.84	43.79	13.07	107.0	295	109.0	23.8	1417	3.45	5.9	1.1	4.5	1.1	58.5	.42	.49	.17	48	1.28	.144	20.3	102.7	.88	470.7	.039	3	1.79	.005	.09	<.2	.06	174	1.5	<.02	5.5
LAMX-10368	.38	46.04	6.24	62.6	63	44.2	18.5	746	2.93	6.1	.3	2.9	1.1	23.0	.15	.36	.08	93	1.15	.064	6.7	56.0	1.07	136.5	.228	3	2.21	.018	.06	<.2	.02	57	.9	<.02	6.4
LAMX-10370	.38	42.14	3.35	54.0	83	43.7	14.5	688	2.42	1.6	.1	3.3	.3	20.4	.17	.14	.05	84	1.18	.058	5.0	47.6	.91	115.5	.198	3	2.07	.016	.06	<.2	.02	78	.6	<.02	5.7
LAMX-10364	1.50	28.58	14.42	109.3	345	55.6	16.1	2830	3.07	7.5	4.7	3.5	.8	68.1	.61	.41	.18	33	1.02	.132	20.0	42.6	.44	584.7	.023	2	1.36	.005	.10	<.2	.05	152	1.9	.03	3.6
LAMX-10361	.77	40.49	12.02	100.8	250	110.7	24.0	1257	3.42	5.6	.9	4.9	1.3	53.1	.36	.46	.13	50	1.11	.148	21.2	101.2	.92	425.4	.053	3	1.76	.008	.12	<.2	.05	137	1.3	<.02	5.5
LAMX-10371	.36	45.42	4.89	52.1	69	61.1	20.2	1256	2.95	3.9	.3	12.3	1.5	18.3	.14	.22	.07	92	.89	.046	7.1	54.3	.91	157.9	.194	2	2.00	.012	.05	<.2	.02	45	.5	<.02	6.2
LAMX-10365	1.51	54.36	7.53	113.7	341	32.2	14.5	7765	1.84	3.4	1.3	3.4	<.1	39.8	.73	.32	.09	47	1.67	.146	14.7	41.0	.44	919.9	.039	5	1.42	.008	.10	<.2	.06	236	2.8	<.02	3.4
LAMX-10366	.97	30.70	9.33	48.5	42	12.2	12.6	444	3.82	2.6	.5	2.9	2.5	42.8	.09	.09	.14	144	.42	.042	10.9	36.5	.51	88.1	.340	<1	3.98	.105	.06	.2	.12	34	.6	.03	10.2
LAMX-10363	1.09	33.23	14.07	100.0	349	59.6	16.7	2013	2.84	7.2	2.4	4.5	1.0	78.9	.51	.48	.15	32	1.30	.132	21.0	41.1	.48	446.2	.029	3	1.28	.004	.07	<.2	.04	168	2.8	.03	3.3
LAMX-10367	.62	50.11	7.83	61.0	180	30.0	11.5	1064	2.06	5.8	.6	1.6	<.1	31.7	.33	.42	.07	69	1.40	.116	10.7	52.3	.71	227.7	.091	4	1.95	.013	.06	<.2	.03	160	3.9	<.02	4.3
PPX-10377	.79	20.78	7.56	110.3	181	28.4	10.6	1292	1.95	8.1	2.9	4.1	.4	44.8	.80	.39	.09	39	1.36	.096	4.5	58.2	.42	727.7	.046	4	.93	.006	.07	<.2	.04	96	4.4	.02	3.0
PPX-10308	.79	138.06	8.77	88.5	321	27.7	11.0	1859	1.08	5.0	.3	3.9	<.1	66.8	.75	.56	.08	44	2.49	.210	14.5	47.5	.29	122.3	.025	9	2.45	.007	.09	<.2	.05	428	3.3	<.02	1.7
PPX-10375	1.14	25.38	9.55	75.3	113	41.9	25.3	6479	4.68	16.6	.3	2.5	2.5	36.5	.35	.32	.12	44	.71	.104	12.6	43.9	.61	348.0	.067	1	1.25	.008	.15	<.2	.04	62	.8	<.02	4.4
PPX-14043	.69	81.08	5.52	76.6	244	48.6	23.7	939	3.03	3.8	2.2	1.9	.2	24.1	.39	.35	.07	93	1.51	.107	7.6	73.4	1.06	253.5	.128	3	1.97	.011	.04	<.2	.02	145	4.3	.02	6.2
PPX-10380	.71	86.32	5.22	43.6	231	24.6	10.4	1726	1.89	2.9	.3	7.2	<.1	42.5	.47	.32	.07	79	1.89	.121	14.3	52.7	.50	136.5	.086	5	1.86	.009	.06	<.2	.06	242	1.4	<.02	4.1
PPX-10374	1.70	43.34	7.83	154.7	452	39.9	18.7	5727	2.94	5.8	.6	6.1	.2	33.8	.54	.33	.10	85	1.03	.100	11.3	57.4	.57	839.2	.082	2	2.16	.008	.09	<.2	.08	244	1.1	.02	5.3
PPX-10379	.50	80.73	4.99	52.9	91	36.5	14.1	1209	2.53	2.8	.2	2.9	.3	33.9	.27	.30	.06	88	1.64	.080	10.2	54.3	.81	140.4	.183	5	2.07	.013	.07	<.2	.04	152	1.2	<.02	5.2
PPX-10307	.85	169.71	5.70	71.1	303	32.3	11.9	1277	1.85	6.7	1.0	4.0	<.1	53.8	.62	.86	.15	70	2.58	.143	20.2	55.2	.49	211.9	.081	10	1.65	.013	.20	<.2	.05	301	6.7	.02	3.6
PPX-10372	.59	38.97	4.17	58.9	90	34.5	25.5	4908	3.43	5.3	.3	8.9	1.0	25.8	.19	.25	.07	100	1.16	.072	8.5	44.5	.71	280.1	.152	3	1.90	.011	.08	<.2	.04	101	.7	<.02	5.0
PPX-14044	1.14	80.48	6.25	102.3	251	45.5	16.0	1074	2.74	4.1	2.9	1.9	.2	25.0	1.04	.40	.08	99	1.74	.149	10.1	74.3	.94	298.2	.168	4	2.04	.014	.15	<.2	.04	108	9.6	.03	6.1
PPX-10319	1.13	73.19	6.57	53.5	197	29.3	7.0	1575	.87	3.9	.5	2.7	<.1	44.5	.51	.47	.05	38	2.09	.169	11.2	41.6	.34	513.6	.034	6	.88	.009	.12	<.2	.03	168	12.3	<.02	1.8
PPX-10309	.90	74.80	5.09	63.1	205	31.7	13.7	1106	2.41	3.2	.5	4.4	.2	36.6	.28	.28	.06	95	2.02	.101	9.7	62.9	.75	188.7	.166	5	2.16	.020	.10	<.2	.04	193	2.3	<.02	5.2
PPX-10378	.67	77.29	4.75	50.2	184	27.1	11.8	765	2.27	2.9	.4	1.8	.4	30.9	.27	.29	.06	83	1.92	.096	12.0	58.8	.75	156.6	.186	6	2.18	.014	.10	<.2	.05	206	4.4	<.02	5.1
RE PPX-10378	.59	73.62	4.47	50.9	174	27.0	11.6	751	2.31	2.8	.4	2.5	.4	29.8	.27	.28	.05	85	1.89	.092	11.0	57.3	.76	152.2	.199	6	2.17	.014	.09	<.2	.04	191	4.1	<.02	5.1
PPX-10373	1.24	50.74	4.34	334.0	153	34.7	61.7	20547	4.26	5.7	.2	5.7	.3	45.0	.49	.30	.06	96	1.57	.118	12.6	34.7	.44	510.8	.064	5	2.26	.009	.22	<.2	.07	209	1.1	.02	3.6
PPX-10310	1.08	69.22	7.80	338.3	270	53.4	21.6	3743	2.71	5.9	2.5	40.5	.3	59.0	.53	.33	.09	75	2.07	.137	23.1	63.3	.76	368.4	.110	5	2.06	.012	.34	<.2	.05	223	2.5	<.02	5.1
PPX-10318	.48	48.48	4.08	65.9	102	38.0	17.6	810	3.01	3.0	.6	18.9	.9	18.9	.23	.25	.06	103	1.34	.090	6.4	60.1	1.05	165.2	.280	3	2.05	.016	.06	<.2	.02	40	1.8	.02	6.7
PPX-10306	1.15	157.18	7.40	73.2	410	31.9	9.6	1668	1.50	8.2	.5	3.0	<.1	63.9	.70	.90	.06	67	2.94	.192	11.6	63.6	.38	124.2	.051	8	1.86	.011	.10	<.2	.06	382	7.3	.02	2.9
PPX-10311	.96	68.24	6.23	72.2	202	35.2	20.7	2440	2.82	4.8	.8	3.7	.3	27.1	.39	.26	.07	109	1.55	.094	11.8	62.1	.73	222.3	.158	3	2.09	.013	.08	<.2	.08	203	3.9	.02	5.1
PPX-10316	1.45	70.91	8.02	146.2	380	55.7	17.5	1157	2.63	4.2	1.2	2.7	.2	25.0	1.26	.33	.10	85	1.28	.170	12.5	71.8	.88	603.1	.143	3	2.09	.017	.28	<.2	.05	155	5.7	<.02	5.4
SJCX-10303	.26	21.38	6.58	42.4	98	25.5	10.3	771	2.12	3.2	.3	395.7	3.4	15.3	.14	.17	.10	45	.70	.054	12.7	36.1	.69	120.7	.095	2	1.27	.009	.10	<.2	.04	34	.3	<.02	4.0
SJCX-10305	.57	59.75	4.88	81.6	140	44.1	17.2	815	3.23	3.5	.3	3.7	.8	35.1	.24	.25	.07	110	1.49	.063	7.6	72.8	1.00	352.6	.276	3	2.61	.015	.07	<.2	.04	114	1.0	.02	6.9
SJCX-10302	.56	43.08	4.51	60.1	123	30.3	13.4	821	2.40	3.0	.3	5.5	.5	22.3	.20	.26	.06	87	1.22	.070	8.1	51.3	.79	258.1	.197	3	2.11	.011	.07	<.2	.03	111	1.1	<.02	5.5
STANDARD DS2	14.33	128.00	32.53	158.8	266	36.0	11.8	815	3.05	52.1	19.3	228.1	3.7	28.4	10.52	10.06	10.82	74	.53	.090	16.1	163.1	.60	150.9	.092	2	1.72	.033	.15	7.6	1.85	228	2.1	1.86	6.4

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: MOSS MAT Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 20 2000 DATE REPORT MAILED: Aug 8/00 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 FILE # A002512

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
SJCX-10304	.94	57.52	5.35	87.3	167	38.9	16.7	1472	2.97	3.6	.6	2.7	.5	32.1	.29	.36	.07	109	1.38	.080	9.4	65.5	.88	363.0	.205	3	2.68	.014	.08	<.2	.05	137	.9	.03	6.0
SJCX-10301	.63	43.90	5.08	64.0	147	34.6	13.6	896	2.57	3.1	.5	189.2	.6	23.9	.24	.33	.07	90	1.26	.080	9.3	55.3	.82	280.4	.199	4	2.32	.013	.07	<.2	.04	116	1.1	.02	5.4
SDWX-10376	.92	32.67	11.54	96.6	247	45.9	33.2	6652	4.05	8.2	.9	2.4	1.9	35.8	.90	.46	.14	63	1.24	.094	17.3	52.4	.67	359.8	.067	2	1.55	.008	.10	<.2	.07	108	1.1	.02	4.3
GSMX-10312	.76	52.00	6.18	105.9	282	41.1	14.5	838	2.61	2.9	.9	3.3	.4	23.6	.87	.31	.09	86	1.17	.116	10.2	64.2	.88	435.6	.172	2	2.03	.011	.07	<.2	.03	102	3.1	.03	5.4
GSMX-10314	.54	34.37	4.84	62.2	221	32.1	13.6	829	2.46	3.0	.6	57.3	.5	28.7	.29	.26	.07	89	1.25	.086	10.0	65.9	.79	364.2	.195	3	2.17	.019	.07	<.2	.02	81	2.8	.03	5.3
GSMX-10317	.75	61.77	9.99	76.8	368	53.4	13.8	774	3.15	4.3	1.4	3.5	1.0	45.1	.47	.52	.12	84	1.37	.086	18.3	79.1	.81	433.0	.151	3	2.33	.008	.09	<.2	.05	158	1.5	.02	5.9
GSMX-10313	.75	45.78	5.65	76.6	230	39.7	14.0	753	2.52	3.2	.7	2.3	.6	23.5	.33	.30	.08	82	1.19	.103	10.1	71.9	.87	277.8	.177	3	1.96	.013	.10	<.2	.03	88	3.0	<.02	5.0
GSMX-10320	.62	50.54	10.42	69.0	277	45.2	13.4	823	2.72	5.7	1.0	129.5	1.6	25.5	.24	.44	.24	75	1.09	.060	16.5	64.2	.67	410.0	.157	3	1.97	.008	.05	<.2	.05	120	.9	.02	4.9
GSMX-10315	.71	62.65	15.12	93.0	441	61.2	15.9	898	3.53	5.9	1.4	3.9	1.6	31.4	.45	.59	.16	82	1.01	.105	23.4	92.0	.85	429.5	.139	2	2.65	.008	.09	<.2	.05	157	.7	.02	5.8
GEBX-10059	.71	77.73	6.24	79.0	203	45.2	15.8	977	2.91	7.7	.7	3.5	.7	26.2	.35	.51	.08	97	1.50	.081	11.3	66.2	.86	276.4	.208	4	2.28	.018	.09	<.2	.04	131	5.0	.04	5.9
[illegible]-10041	.50	32.82	16.19	63.7	83	43.7	17.1	882	2.95	7.8	1.2	4.0	5.1	27.8	.16	.71	.17	52	.59	.065	24.6	51.0	.77	162.8	.110	1	1.48	.007	.10	<.2	.05	48	.3	.03	4.5
[illegible]-10049	1.26	48.36	5.40	88.9	157	75.7	30.8	6254	3.87	12.4	.5	15.9	.7	33.7	.35	.51	.08	115	1.22	.079	10.3	80.1	1.07	388.2	.162	3	2.51	.012	.06	<.2	.05	120	.9	<.02	6.8
GEBX-10060	.87	71.93	10.81	71.6	542	31.4	9.4	1217	1.86	3.3	2.2	4.8	.1	35.2	.38	.44	.10	63	1.84	.171	8.3	106.8	.64	138.8	.071	4	1.70	.012	.12	<.2	.04	252	8.1	<.02	4.0
GEBX-10042	.52	33.59	16.79	64.6	74	43.6	16.7	902	3.04	7.6	1.2	4.5	5.3	29.7	.17	.67	.18	56	.61	.069	26.5	54.5	.78	178.0	.116	2	1.56	.007	.11	<.2	.05	52	.3	.03	4.6
GEBX-10048	1.51	49.79	4.77	116.1	137	81.6	34.2	9253	4.36	14.9	.5	8.9	.6	39.3	.31	.53	.08	117	1.36	.078	9.2	77.1	1.15	453.6	.148	4	2.41	.013	.07	<.2	.05	131	.9	.03	6.7
GEBX-10046	.93	97.59	7.82	74.9	438	43.9	16.0	2684	2.38	9.1	1.6	12.8	.5	35.4	.50	1.11	.11	75	1.29	.097	30.5	74.7	.59	613.1	.084	3	1.78	.010	.10	<.2	.07	324	3.1	.02	4.5
GEBX-10050	.59	36.66	6.01	54.5	92	43.2	19.4	1931	3.26	5.7	.4	2.6	1.4	20.6	.19	.38	.08	103	.87	.046	10.4	69.9	.87	246.2	.173	2	2.20	.010	.06	<.2	.04	101	.4	.02	6.5
GEBX-10043	.68	33.55	15.03	103.3	255	52.1	18.2	1491	3.14	8.0	1.3	14.9	3.5	36.6	.28	.73	.16	54	.68	.078	29.2	59.6	.83	242.5	.100	2	1.66	.008	.11	<.2	.05	83	.5	.03	4.7
GEBX-10066	1.04	29.82	9.81	50.7	28	12.6	12.4	443	3.90	3.2	.6	1.1	2.7	46.5	.09	.11	.14	147	.45	.043	11.5	39.1	.52	82.9	.352	<1	4.04	.120	.06	<.2	.12	35	.3	.05	10.1
GEBX-10058	1.41	57.03	10.98	225.0	383	49.6	24.1	8418	3.48	7.4	1.1	4.5	.9	40.4	.80	.50	.14	81	1.33	.091	17.3	57.5	.66	632.2	.103	4	2.11	.010	.09	<.2	.08	171	1.5	.02	5.1
GEBX-10051	.58	42.82	5.11	70.4	162	56.6	18.8	2770	2.72	7.1	.5	64.0	.6	25.6	.23	.59	.07	96	1.16	.063	10.7	68.2	.91	459.6	.153	3	1.96	.011	.05	<.2	.04	121	1.2	<.02	5.2
GEBX-10044	.79	33.32	17.75	75.5	246	41.9	12.7	722	2.70	8.1	1.5	9.4	3.9	31.0	.23	.72	.20	40	.59	.067	26.9	39.8	.61	242.5	.059	1	1.46	.006	.11	<.2	.06	81	.5	.03	3.8
RE GEBX-10044	.81	34.99	17.82	78.6	244	43.2	14.2	721	2.71	8.3	1.6	4.4	4.0	31.7	.22	.75	.21	40	.59	.066	27.4	39.7	.61	243.9	.059	1	1.46	.005	.12	<.2	.06	87	.6	.02	3.9
GEBX-10055	.83	82.20	6.45	163.4	272	36.2	20.1	5255	2.52	4.2	.5	3.3	.4	39.4	.63	.36	.09	72	1.78	.105	14.1	52.0	.51	367.1	.075	4	1.75	.010	.09	<.2	.06	224	.8	.02	4.0
GEBX-10052	.79	41.04	5.04	73.6	121	43.7	31.3	4425	4.01	5.4	.3	3.6	.8	31.8	.26	.50	.07	131	1.29	.077	10.4	67.6	.94	374.6	.219	2	2.63	.014	.11	<.2	.04	126	.5	.02	6.9
GEBX-10054	.85	29.20	7.49	112.2	135	38.7	37.9	9165	3.88	12.8	.7	3.3	1.0	31.6	.42	.40	.08	112	1.13	.071	16.4	60.6	.72	470.2	.154	2	2.14	.012	.08	<.2	.10	148	.6	.02	5.6
GEBX-10057	.87	52.97	9.52	88.7	335	52.3	24.3	4449	3.34	9.2	.7	3.3	.8	31.8	.44	.37	.13	73	1.00	.100	21.9	71.2	.69	430.8	.093	2	1.89	.008	.11	<.2	.06	207	.5	.03	5.0
GEBX-10045	.76	26.39	9.98	71.1	78	42.4	20.1	4117	3.13	6.1	.5	2.2	3.6	31.0	.24	.36	.14	44	.57	.076	17.3	40.0	.60	242.1	.074	1	1.26	.007	.08	<.2	.03	54	.5	.02	3.6
GEBX-10053	.58	28.92	6.12	68.3	111	48.3	20.7	2790	3.28	6.9	.5	3.7	1.1	24.9	.24	.37	.08	98	1.05	.058	9.5	68.4	.98	441.6	.178	2	2.24	.010	.05	<.2	.05	94	.6	.03	6.3
[illegible]X-10047	.92	44.41	5.98	83.3	206	31.5	16.4	4281	2.28	11.6	.5	5.3	.2	35.1	.34	.86	.08	94	1.57	.107	12.8	62.8	.65	459.5	.095	4	1.80	.012	.18	<.2	.04	185	1.6	.02	4.2
GEBX-10056	.84	91.54	9.26	165.3	309	66.7	18.2	1538	2.83	6.8	2.9	4.9	.6	51.3	.53	.55	.13	82	1.73	.085	24.1	81.7	.95	297.5	.126	3	2.20	.009	.09	<.2	.06	176	1.9	.03	5.5
STANDARD DS2	13.98	128.00	33.19	161.3	269	36.0	11.7	811	3.03	61.8	18.8	214.0	3.5	27.0	10.43	9.69	10.68	73	.53	.086	15.6	160.9	.59	150.0	.094	2	1.72	.033	.15	7.1	1.76	226	2.2	1.80	5.9

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

Data ✓ 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 2398 File # A002512 Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
LAMX-10362	3.78	.1	.06	1.54	6.3	4.0	.3	.10	<.05	3.4	18.23	31.3	.03	5	.6	25.3	30
LAMX-10368	.50	.1	.14	.76	2.6	6.3	.5	.04	<.05	6.9	15.24	13.3	.03	<1	.3	11.3	30
LAMX-10370	.48	.1	.14	.90	2.3	5.5	.5	.08	<.05	4.5	16.56	9.2	.03	<1	.2	8.1	30
LAMX-10364	.64	.1	.06	.56	6.0	2.5	.2	.09	<.05	1.1	17.38	32.4	.03	<1	.4	16.9	30
LAMX-10361	3.71	.1	.05	1.72	6.0	4.2	.2	.07	<.05	1.4	16.47	35.5	.03	3	.4	25.8	30
LAMX-10371	.77	.1	.15	.77	3.7	5.8	.5	.03	<.05	5.3	12.62	15.9	.03	3	.4	12.6	30
LAMX-10365	.59	.1	.06	.58	4.1	3.0	.3	.17	<.05	.7	22.01	13.4	.03	1	.4	8.4	15
LAMX-10366	1.19	.2	.75	.56	4.4	8.9	1.1	<.01	<.05	39.6	13.75	27.8	.07	<1	.7	10.4	30
LAMX-10363	.63	.1	.07	.71	4.9	2.8	.1	.09	<.05	2.4	16.14	35.8	.03	<1	.5	16.4	30
LAMX-10367	.78	.1	.09	.56	2.7	5.2	.4	.13	<.05	2.9	37.16	9.6	.03	<1	.3	7.6	15
PPX-10377	.91	.1	.03	.54	3.5	1.7	<.1	.16	<.05	1.2	4.63	9.3	.03	1	.2	15.8	30
PPX-10308	.97	.1	.13	.31	2.0	5.9	.2	.22	<.05	2.6	73.71	9.5	.04	3	.8	4.7	15
PPX-10375	.32	.1	.03	.43	4.1	3.9	.1	.03	<.05	1.4	10.57	22.9	.04	<1	.2	18.4	30
PPX-14043	.65	.2	.08	.86	2.5	4.2	.2	.09	<.05	2.1	14.87	10.8	.05	7	.2	11.8	30
PPX-10380	.58	.1	.11	.70	3.0	8.5	.2	.15	<.05	2.7	59.57	8.2	.04	<1	.6	6.8	15
PPX-10374	.67	.1	.06	.54	4.4	6.4	.3	.10	<.05	1.6	24.05	18.7	.06	5	.4	10.8	30
PPX-10379	.71	.1	.19	.94	3.8	9.5	.3	.09	<.05	5.6	37.16	9.5	.06	<1	.8	9.6	15
PPX-10307	1.68	.2	.15	.65	4.4	7.9	.4	.21	.07	3.0	59.92	8.4	.08	5	.6	9.3	15
PPX-10372	.72	.1	.08	.70	4.2	5.8	.3	.07	<.05	3.4	17.50	17.6	.05	<1	.3	10.3	30
PPX-14044	.91	.1	.09	1.73	5.3	5.5	.3	.16	<.05	3.1	21.84	11.8	.05	5	.4	13.6	15
PPX-10319	.55	.3	.04	.39	2.9	2.2	.2	.26	<.05	.7	27.26	5.7	.03	5	.7	2.5	15
PPX-10309	.69	.1	.15	1.00	3.3	10.1	.4	.13	<.05	5.6	37.14	10.4	.05	4	.4	9.9	15
PPX-10378	.77	.1	.15	1.10	3.5	10.0	.4	.13	<.05	5.6	37.24	10.4	.04	<1	.5	10.1	15
RE PPX-10378	.78	.1	.15	1.08	3.5	10.2	.3	.13	<.05	5.5	35.78	10.1	.04	1	.4	9.8	15
PPX-10373	.39	.1	.06	.45	4.5	5.2	.2	.18	<.05	1.6	35.88	34.3	.03	<1	.4	5.2	15
PPX-10310	.70	.1	.05	1.05	6.5	6.4	.3	.17	<.05	1.8	25.62	18.6	.04	4	.6	12.0	15
PPX-10318	.45	.1	.16	.79	2.0	4.9	.6	.04	<.05	7.0	13.17	12.1	.03	<1	.3	8.5	30
PPX-10306	1.73	.1	.12	.63	2.7	6.6	.3	.28	<.05	2.3	71.06	6.7	.03	4	.7	7.5	15
PPX-10311	.73	.1	.09	.93	3.4	9.7	.4	.13	<.05	3.4	28.66	12.7	.03	2	.4	10.3	30
PPX-10316	.64	.1	.06	.93	5.8	5.1	.4	.12	<.05	1.8	24.14	16.4	.03	8	.3	11.3	15
SJCX-10303	.49	.1	.10	.41	5.4	3.6	.3	.02	<.05	3.0	8.06	25.3	.02	<1	.3	18.2	30
SJCX-10305	.60	.1	.20	1.39	4.4	9.3	.5	.08	<.05	7.7	19.40	13.9	.03	<1	.6	12.6	30
SJCX-10302	.68	.1	.13	.89	3.4	6.3	.4	.07	<.05	4.2	19.30	12.4	.02	<1	.3	10.7	30
STANDARD DS2	3.52	.1	.05	1.40	13.2	3.3	26.0	.02	<.05	2.8	7.88	32.0	5.52	3	.5	15.3	30

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: MOSS MAT Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 20 2000 **DATE REPORT MAILED:** Aug 8/00 **SIGNED BY** C. Leong ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
SJCX-10304	.97	<.1	.06	1.22	4.3	8.0	.5	.12	<.05	4.1	23.55	15.8	.03	<1	.7	14.0	30
SJCX-10301	.70	<.1	.07	.92	3.5	7.0	.5	.09	<.05	4.0	21.12	14.2	.02	<1	.5	11.7	30
SDWX-10376	.48	<.1	<.02	.50	5.4	4.8	.3	.10	<.05	1.5	17.86	29.1	.02	<1	.6	21.0	30
GSMX-10312	.51	<.1	.04	.78	3.2	4.8	.6	.09	<.05	2.6	19.19	14.6	.03	2	.3	9.9	30
GSMX-10314	.40	<.1	.08	.83	2.7	6.3	.5	.09	<.05	4.4	22.54	15.9	.02	<1	.5	9.5	30
GSMX-10317	.49	<.1	.06	1.18	5.0	9.5	.6	.09	<.05	3.9	31.63	21.9	.03	1	.6	15.4	30
GSMX-10313	.47	<.1	.04	.73	3.0	5.6	.6	.08	<.05	2.9	21.06	15.0	.02	1	.3	11.4	15
GSMX-10320	1.19	<.1	.03	.86	4.7	8.6	.5	.07	<.05	2.8	22.30	25.5	.03	<1	.6	16.5	30
GSMX-10315	.59	<.1	.02	.94	4.3	12.6	.5	.06	<.05	3.0	36.26	33.2	.04	<1	.5	17.6	30
GEBX-10059	1.79	<.1	.08	.86	3.8	8.0	.6	.08	<.05	4.8	23.25	13.1	.04	2	.4	12.6	30
GEBX-10041	.80	<.1	.04	.64	6.0	3.4	.4	.02	<.05	3.2	10.86	44.7	.04	<1	.3	20.0	30
GEBX-10049	1.33	<.1	.03	.58	4.6	9.8	.6	.08	<.05	2.5	23.64	19.8	.05	<1	.6	18.3	30
GEBX-10060	.76	<.1	<.02	.58	2.8	4.7	.4	.19	<.05	1.3	32.54	11.1	.04	1	.3	6.3	15
GEBX-10042	.82	<.1	.04	.70	6.5	3.7	.4	.02	<.05	3.1	11.46	47.4	.04	<1	.4	20.6	30
GEBX-10048	1.35	<.1	.03	.58	4.3	9.0	.5	.08	<.05	2.6	22.83	15.9	.05	1	.6	16.6	30
GEBX-10046	1.67	<.1	<.02	.60	4.8	10.9	.5	.12	<.05	1.6	43.56	20.3	.04	<1	.7	12.4	15
GEBX-10050	.84	<.1	.06	.78	4.6	7.2	.5	.04	<.05	3.9	14.86	19.6	.04	<1	.5	17.2	30
GEBX-10043	.80	<.1	<.02	.59	6.6	3.9	.4	.03	<.05	1.7	14.86	48.7	.04	<1	.5	23.6	30
GEBX-10066	1.29	<.1	.62	.40	4.4	8.7	1.3	.02	<.05	40.3	14.40	30.1	.06	<1	1.0	10.8	30
GEBX-10058	.62	<.1	<.02	.62	5.6	7.7	.5	.10	<.05	2.0	30.44	28.3	.04	3	.6	16.4	30
GEBX-10051	.79	<.1	.03	.63	3.7	7.1	.3	.09	<.05	2.5	19.16	16.2	.04	<1	.4	13.6	30
GEBX-10044	.83	<.1	<.02	.51	7.0	3.2	.4	.03	<.05	1.7	12.60	49.3	.03	<1	.4	19.0	30
RE GEBX-10044	.83	<.1	.02	.52	6.9	2.9	.4	.04	<.05	1.7	13.06	49.7	.03	<1	.4	18.7	30
GEBX-10055	.58	<.1	<.02	.65	4.0	7.4	.4	.13	<.05	1.2	28.50	20.0	.03	<1	.4	10.4	15
GEBX-10052	.68	<.1	.07	.86	3.9	8.8	.5	.09	<.05	4.7	23.69	21.3	.04	<1	.4	13.2	30
GEBX-10054	.69	<.1	.02	.59	3.8	9.0	.5	.09	<.05	3.0	24.56	25.6	.03	<1	.4	10.4	30
GEBX-10057	.55	<.1	<.02	.60	4.8	9.6	.4	.08	<.05	1.4	27.46	24.3	.03	<1	.5	13.0	30
GEBX-10045	.47	<.1	<.02	.37	4.0	3.4	.2	.03	<.05	1.3	6.96	33.1	.02	<1	.2	14.8	30
GEBX-10053	.86	<.1	.05	.66	4.9	8.0	.4	.05	<.05	3.1	15.66	17.4	.03	<1	.4	15.8	30
GEBX-10047	.62	<.1	.02	.63	4.0	5.6	.4	.15	<.05	1.6	26.32	18.8	.02	<1	.3	11.4	15
GEBX-10056	.78	<.1	.04	1.17	4.7	8.0	.3	.11	<.05	3.0	31.90	20.0	.03	1	.6	16.1	30
STANDARD DS2	3.30	<.1	.03	1.45	12.9	3.1	25.9	.05	<.05	3.2	7.63	31.0	5.47	<1	.7	15.1	30

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

Data 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 2398 File # A002512R Page 1

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	LOI %
LAMX-10362	27.3
LAMX-10368	15.7
LAMX-10370	26.6
LAMX-10364	25.6
LAMX-10361	22.7
LAMX-10371	14.1
LAMX-10365	47.6
LAMX-10366	7.2
LAMX-10363	28.5
LAMX-10367	45.8
PPX-10377	34.1
PPX-10308	78.2
PPX-10375	15.7
PPX-14043	30.2
PPX-10380	59.2
PPX-10374	32.8
PPX-10379	39.3
PPX-10307	65.8
PPX-10372	23.8
PPX-14044	41.5
PPX-10319	75.2
PPX-10309	44.5
PPX-10378	38.9
RE PPX-10378	38.7
PPX-10373	54.8
PPX-10310	47.6
PPX-10318	12.8
PPX-10306	71.1
PPX-10311	38.4
PPX-10316	30.1
SJCX-10303	7.0
SJCX-10305	24.4
SJCX-10302	25.1
STANDARD DOLOMITE	46.0

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

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 4/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

SAMPLE#	LOI %
SJCX-10304	32.5
SJCX-10301	26.8
SDWX-10376	27.6
GSMX-10312	23.0
GSMX-10314	25.6
GSMX-10317	27.2
GSMX-10313	24.4
GSMX-10320	19.8
GSMX-10315	27.3
GEBX-10059	29.9
GEBX-10041	7.9
GEBX-10049	25.0
GEBX-10060	58.7
GEBX-10042	8.2
GEBX-10048	28.3
GEBX-10046	35.9
GEBX-10050	18.6
GEBX-10043	11.2
GEBX-10066	7.3
GEBX-10058	32.4
GEBX-10051	25.2
GEBX-10044	11.6
RE GEBX-10044	11.5
GEBX-10055	42.8
GEBX-10052	33.4
GEBX-10054	27.9
GEBX-10057	29.1
GEBX-10045	13.3
GEBX-10053	16.9
GEBX-10047	46.9
GEBX-10056	38.5
STANDARD DOLOMITE	46.0

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

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002513 Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Se	Te	Ga
	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm
RCPR-10021	.31	48.16	14.49	71.0	243	34.1	7.6	119	2.70	4.6	1.0	8.8	4.3	9.2	.08	1.44	.36	19	.07	.036	11.8	31.8	1.00	1126.3	.004	4	1.39	.003	.14	1.3	.05	69	1.1	.04	4.3
RSHR-10206	.81	20.67	8.07	51.3	91	785.5	105.2	3571	9.59	1032.5	.2	6.1	.7	1021.2	.09	47.96	.10	2	12.68	.206	4.7	28.8	3.73	81.3	<.001	2	.20	.006	.14	<.2	.02	10	.4	.13	.8
SDWR-10026	1.05	17.09	13.71	39.3	169	35.8	9.3	265	1.30	6.3	4.3	3.1	3.8	21.6	.25	.67	.06	130	2.61	.624	38.1	441.3	.53	22.2	.081	3	1.09	.023	.01	3.4	<.02	27	<.1	<.02	6.0
GSMR-10035	1.12	63.46	12.01	95.7	145	83.2	29.4	699	5.23	5.3	<.1	2.5	.1	12.1	.20	.41	.11	106	.84	.073	2.4	47.5	1.89	31.3	.339	4	2.62	.037	.11	.3	.02	20	.2	<.02	11.0
GEBR-10200	.18	28.17	4.13	68.8	68	33.6	26.5	703	4.89	.4	<.1	1.2	.2	9.9	.08	.11	<.02	112	1.24	.104	2.2	59.0	1.90	23.1	.263	2	2.15	.033	.12	.6	<.02	<5	<.1	<.02	8.8
PPR-10201	.91	50.64	9.65	66.1	161	32.9	22.5	708	4.47	1.1	.2	1.8	.2	17.8	.20	.44	.02	155	2.19	.067	2.4	15.1	1.38	33.5	.386	16	2.82	.040	.02	.2	<.02	20	.3	<.02	13.0
RSHR-10207	.45	10.10	6.82	150.8	78	1085.7	102.4	2247	8.23	438.8	.2	5.1	.4	603.3	.17	.91	.05	47	7.99	.047	4.7	370.3	5.75	66.9	.007	<1	2.19	.006	.04	.3	.05	20	.3	.07	8.3
GSMR-10036	.71	2833.04	41.93	143.9	1239	3041.5	92.8	628	5.70	1.8	<.1	53.5	.1	8.8	.89	.50	.16	13	.59	.024	.9	43.7	5.19	10.1	.046	7	3.75	.021	.01	.2	.03	52	5.0	.30	5.7
RSHR-10209	.34	11.53	21.84	72.6	68	42.6	16.8	508	3.38	21.4	.9	1.8	10.3	11.4	.06	.55	.10	4	.19	.033	8.6	18.2	.56	88.9	.001	6	.54	.021	.19	1.5	.04	14	.1	<.02	1.8
RE RSHR-10209	.31	11.54	20.43	71.9	58	41.6	16.4	495	3.31	20.3	.9	1.2	9.5	10.6	.05	.55	.09	4	.18	.033	8.3	19.6	.55	88.7	.001	5	.54	.019	.20	1.4	.03	18	.1	<.02	1.8
RRE RSHR-10209	.30	10.83	20.21	69.8	60	40.4	15.9	485	3.24	19.8	.8	1.1	9.1	10.5	.05	.51	.09	4	.18	.032	7.8	17.3	.54	84.8	.001	7	.52	.021	.19	1.3	.03	13	<.1	<.02	1.8
SDWR-10028	1.32	90.83	14.80	87.1	176	58.9	24.1	708	4.78	1.1	<.1	2.0	.1	10.2	.25	.67	.03	124	1.62	.067	2.5	13.7	1.62	40.3	.395	8	2.87	.044	.04	.3	.02	28	.3	<.02	10.6
PPR-10202	.33	47.84	9.06	81.9	82	37.7	19.5	685	3.83	.8	.2	1.1	.2	16.7	.27	.18	<.02	125	2.16	.059	1.9	27.6	1.30	26.2	.334	11	2.63	.051	.02	.9	.03	17	.2	<.02	11.5
PPR-10211	1.35	223.02	22.07	257.9	263	40.3	26.0	701	5.62	3.8	.2	5.0	.1	9.6	.67	1.75	.23	151	1.15	.056	1.9	34.4	1.64	53.5	.396	3	2.53	.065	.06	<.2	.04	223	1.5	.03	11.2
RCPR-10025	.24	66.42	8.70	74.1	75	40.7	25.0	740	4.53	.6	<.1	.7	.1	13.4	.23	.31	.03	133	2.06	.056	2.0	20.7	1.82	129.6	.276	6	2.76	.039	.04	.4	.02	23	.2	<.02	10.9
GSMR-10037	.88	70.78	4.30	26.7	65	57.3	21.8	323	5.25	.6	<.1	.9	<.1	6.3	.09	.11	.05	90	1.29	.043	1.3	74.0	1.94	18.0	.274	6	2.52	.057	.06	.2	.02	24	.8	<.02	8.8
RCPR-10022	.20	29.55	9.48	46.9	152	25.9	5.8	109	1.91	1.9	.5	3.5	4.0	13.0	.03	1.22	.15	19	.07	.030	13.1	31.8	.86	1980.4	.007	4	1.12	.004	.12	.9	.06	37	.5	.02	3.8
RSHR-10210	1.73	5.44	17.15	62.5	97	30.6	14.4	398	2.94	18.2	.8	1.6	10.0	12.8	.05	.68	.09	5	.22	.036	7.5	19.7	.59	84.9	.002	7	.59	.021	.19	.3	.04	12	<.1	<.02	2.2
SDWR-10033	1.10	31.50	9.82	47.8	25	12.7	13.0	463	3.98	2.7	.8	1.1	3.1	47.3	.09	.09	.16	157	.45	.043	12.1	37.7	.53	68.4	.374	2	4.14	.099	.06	.2	.14	32	.4	.05	11.1
SDWR-10027	.62	10.95	26.63	64.1	254	57.8	7.7	250	1.06	1.4	8.1	2.6	4.4	31.7	.38	.59	.06	196	3.58	.767	48.3	549.8	.22	32.1	.095	8	1.42	.024	.01	4.9	.02	25	<.1	<.02	9.8
PPR-10204	5.16	320.82	69.60	150.5	395	53.4	25.0	1829	4.59	7.2	.4	4.5	1.5	18.8	.38	.96	.46	133	.95	.097	5.4	66.8	1.52	28.2	.254	8	2.32	.028	.08	.7	.05	67	.4	.16	10.6
SDWR-10030	6.73	33 80	301.47	90.0	114	13.6	7.2	367	5.02	219.4	4.2	2.0	7.9	4.9	2.34	12.66	.98	22	.12	.064	8.8	11.5	.37	31.7	.003	6	.74	.010	.19	1.7	2.10	244	.8	.03	3.9
GSMR-10038	1.70	171.63	6.57	19.8	162	17.2	44.5	544	4.86	1.0	<.1	.9	.1	7.8	.06	.23	<.02	149	.95	.061	1.9	3.0	.90	69.5	.333	2	1.58	.030	.05	.3	.02	7	6.1	.15	7.6
PPR-10205	.30	51.42	5.39	57.0	54	34.0	19.0	710	3.94	1.2	<.1	.9	.2	22.0	.15	.16	.02	142	2.71	.052	1.8	35.3	1.41	13.5	.443	6	2.96	.085	.02	1.3	.02	20	.1	<.02	11.7
RSHR-10208	2.31	54.66	12.39	225.8	155	2134.0	147.0	3249	12.05	1075.5	.6	18.8	2.5	44.2	.40	8.68	.09	68	.36	.086	18.2	455.8	4.43	210.8	.005	5	3.42	.006	.05	.2	.06	52	.2	.02	15.5
RCPR-10023	4.64	14.71	27.33	41.9	96	20.3	9.6	236	4.09	15.0	2.2	2.4	11.5	11.0	.11	4.04	.44	2	.17	.063	11.3	12.3	.62	32.0	.015	6	.87	.006	.20	.4	.17	36	.5	.02	2.2
SDWR-10029	8.25	305.51	15.40	103.1	140	27.4	17.9	772	3.42	4.6	.3	3.8	1.1	30.1	.39	.28	.63	52	.42	.032	3.0	26.0	1.53	34.4	.265	5	1.73	.025	.05	1.2	.02	41	.6	.24	6.8
RE SDWR-10029	8.26	321.17	14.98	107.4	135	29.0	19.5	804	3.55	4.8	.3	3.2	1.2	31.0	.39	.26	.64	55	.44	.034	3.0	23.4	1.60	35.8	.276	4	1.80	.027	.05	1.3	.02	38	.6	.26	7.0
RRE SDWR-10029	7.77	303.65	14.61	101.5	129	26.9	18.0	764	3.39	4.5	.3	3.6	1.1	27.4	.37	.25	.61	51	.41	.032	2.8	22.6	1.52	33.7	.260	5	1.70	.029	.05	1.3	.02	34	.6	.30	6.7
GSMR-10034	1.09	1155.52	12.98	75.7	310	59.5	32.7	658	5.70	1.6	<.1	8.3	.1	12.7	.32	.25	.11	128	1.20	.066	1.9	104.3	1.97	162.9	.287	8	2.58	.059	.03	.4	<.02	18	3.8	.22	13.4
PPR-10203	.49	54.22	8.02	55.4	126	69.0	22.9	525	3.78	.9	<.1	1.2	.1	10.1	.16	.70	.06	100	2.40	.048	1.8	76.3	1.60	22.0	.339	6	2.80	.027	<.01	1.2	<.02	13	.4	<.02	10.4
SDWR-10032	.27	15.33	2.57	23.8	59	10.2	10.1	1336	4.50	106.7	<.1	33.8	.1	303.7	.08	.62	.02	88	3.99	.023	.8	24.1	1.04	62.0	.004	1	.13	.022	.01	2.2	<.02	7	.3	.04	.3
RCPR-10024	.67	58.89	1.79	61.8	161	85.0	32.0	1176	5.23	87.4	<.1	1.1	<.1	128.0	.07	.24	<.02	74	5.13	.045	1.5	250.5	3.57	138.4	.003	4	2.38	.012	.17	<.2	.03	7	.1	<.02	5.8
STANDARD GS2	13.75	127.34	30.88	157.6	252	35.3	12.1	825	3.08	59.4	21.4	215.2	3.4	25.3	9.70	9.94	10.10	72	.52	.088	14.4	159.1	.60	149.5	.089	4	1.67	.027	.15	7.6	1.71	225	2.1	1.74	5.9

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: ROCK Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 20 2000 **DATE REPORT MAILED:** Aug 4/00 **SIGNED BY** C. Leong ..D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ 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
GSMP-10039	.20	60.06	3.32	55.1	61	127.4	35.1	1011	5.03	67.9	<.1	2.3	<.1	61.4	.10	.25	<.02	76	4.85	.041	1.6	293.4	3.52	135.0	.002	1	2.23	.034	.06	.3	.02	8	.3	<.02	5.0
SDWR-10031	1.60	10.91	24.56	22.7	271	8.6	5.9	47	1.57	5.6	1.4	2.8	11.6	11.0	.07	2.33	.04	3	.12	.066	12.9	8.1	.04	93.2	.006	1	.25	.024	.23	.3	.08	20	.3	<.02	.9
RE SDWR-10031	1.65	11.15	25.34	23.4	271	9.0	6.0	47	1.59	5.8	1.5	2.9	11.8	11.0	.06	2.28	.04	3	.11	.067	13.2	7.6	.04	81.2	.006	2	.26	.025	.23	.3	.09	15	.3	<.02	.9

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

Data A FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002513 Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
RCPR-10021	.51	<.1	.17	.04	5.8	1.6	.2	.19	<.05	6.5	2.42	25.9	.06	<1	.3	16.2	30
RSHR-10206	.90	.1	.09	.08	4.8	5.0	<.1	.03	<.05	4.8	25.69	11.5	.06	<1	.2	1.5	30
SDWR-10026	.09	.1	<.02	.79	.4	3.6	.5	<.01	<.05	2.6	42.11	29.6	<.02	<1	.6	2.5	30
GSMD-10035	.27	.1	.47	.13	2.5	2.1	.6	.09	<.05	18.3	13.54	7.1	<.02	<1	.1	19.0	30
GEBR-10200	.15	.1	.17	.15	3.5	3.2	.3	.01	<.05	4.4	8.20	4.3	.02	<1	.1	4.0	30
PPR-10201	.65	.2	.53	.08	1.1	3.7	.7	.04	<.05	19.7	16.86	6.8	.04	<1	.4	4.7	30
RSHR-10207	.51	.2	.03	.09	1.8	9.5	<.1	.04	<.05	2.2	9.29	10.2	.06	2	.2	44.7	30
GSMR-10036	.18	.2	.06	.03	.2	1.3	.1	1.12	<.05	2.0	2.58	2.1	.03	11	<.1	8.0	30
RSHR-10209	.50	<.1	.14	.02	6.5	2.3	.2	.06	<.05	5.9	3.34	19.2	.03	<1	.2	9.2	30
RE RSHR-10209	.48	<.1	.14	.02	6.3	2.3	.3	.06	<.05	5.5	3.10	18.0	.03	<1	.2	8.5	30
RRE RSHR-10209	.47	<.1	.13	.04	6.2	2.4	.3	.06	<.05	5.7	3.05	17.2	.03	<1	.3	8.8	30
SDWR-10028	.40	.1	.32	.10	1.7	2.4	.5	.10	<.05	7.5	12.97	7.4	.05	7	.2	17.0	30
PPR-10202	.56	.2	.45	.07	3.1	4.0	.7	.03	<.05	16.7	13.97	5.6	.06	3	.3	5.4	30
PPR-10211	.40	.1	.52	.08	1.5	5.7	8.3	.56	<.05	14.5	12.24	5.2	.14	<1	.2	13.6	30
RCPR-10025	1.67	.1	.34	.06	1.8	7.6	.7	.02	<.05	10.4	14.42	5.9	.06	3	.3	21.0	30
GSMR-10037	.04	.1	.39	.06	1.1	4.5	.4	1.98	<.05	11.9	7.53	3.9	.04	1	.1	5.0	30
RCPR-10022	.48	<.1	.14	.02	5.5	1.6	.2	.05	<.05	5.7	2.31	28.0	.03	<1	.3	15.4	30
RSHR-10210	.48	<.1	.11	<.02	6.4	2.0	.3	.08	<.05	4.2	3.17	17.4	.04	2	.2	11.1	30
SDWR-10033	1.39	<.1	.76	.55	4.9	8.8	1.5	.02	<.05	43.0	15.10	31.0	.07	3	.7	11.2	30
SDWR-10027	.04	.2	<.02	1.11	.2	5.1	.3	.03	<.05	3.2	54.29	35.7	.03	2	.8	.8	30
PPR-10204	2.96	.1	.41	.10	4.5	5.7	2.5	.07	<.05	10.4	13.29	11.8	.07	2	.4	14.3	30
SDWR-10030	1.25	<.1	.99	.04	10.7	.9	.9	3.97	<.05	38.8	10.22	18.9	.04	9	.3	14.7	30
GSMR-10038	.54	.1	.12	.09	1.6	3.6	.2	2.34	<.05	2.3	7.80	5.2	.02	6	.1	3.2	30
PPR-10205	.22	.1	.56	.08	1.4	5.0	.7	.05	<.05	20.8	15.83	5.9	.04	5	.3	6.0	30
RSHR-10208	.50	.2	.32	.08	2.5	9.7	.1	.03	<.05	12.4	19.75	34.3	.08	2	.4	71.2	30
RCPR-10023	.22	<.1	.63	.10	7.9	1.0	.6	3.07	<.05	21.3	14.13	24.8	.02	2	.2	19.4	30
SDWR-10029	.43	.1	.45	.25	2.3	3.0	2.0	.77	<.05	12.9	6.11	9.4	.02	2	.2	7.3	30
RE SDWR-10029	.43	<.1	.72	.25	2.4	3.1	2.1	.79	<.05	21.3	6.20	9.6	.02	3	.2	7.5	30
RRE SDWR-10029	.41	<.1	.52	.27	2.3	3.1	1.9	.75	<.05	13.9	5.79	8.9	.02	2	.3	6.9	30
GSMR-10034	.41	.1	.37	.06	1.2	4.2	.9	.90	<.05	12.4	10.03	5.0	.05	1	.3	21.3	30
PPR-10203	.31	.2	.33	.10	.2	2.9	.6	.20	<.05	11.5	12.61	5.3	.02	3	.2	28.7	30
SDWR-10032	.06	<.1	<.02	.07	.6	14.6	<.1	.06	<.05	.5	7.68	2.1	.05	3	<.1	.2	30
RCPR-10024	1.00	<.1	<.02	.04	5.5	14.5	<.1	.03	<.05	.2	10.00	4.7	.04	1	.3	63.4	30
STANDARD DS2	3.17	<.1	.04	1.36	12.4	2.8	24.9	.01	<.05	2.8	7.34	27.6	5.21	<1	.5	14.0	30

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: ROCK Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 20 2000 DATE REPORT MAILED: Aug 4/00 SIGNED BY C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data A FA ___

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GSMP-10039	.38	.1	.02	.03	1.8	16.9	<.1	.03	<.05	.2	8.55	4.8	.03	<1	.1	33.0	30
SDWR-10031	.24	.1	.39	.06	9.3	.7	.4	1.26	<.05	11.0	8.41	27.8	<.02	<1	.2	1.7	30
RE SDWR-10031	.22	<.1	.32	.07	9.4	.7	.4	1.28	<.05	11.4	8.52	28.5	<.02	<1	.2	1.8	30

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

Data FA

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

WHOLE ROCK ICP ANALYSIS

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002513R Page 1

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
RCPR-10021	77.29	8.81	4.52	2.20	.10	.17	1.73	.57	.13	.02	.009	9048	41	15	3.2	.02	.19	99.77
RSHR-10206	9.19	6.00	17.45	7.32	22.34	.08	1.84	.65	.55	.47	.033	551	959	8	33.4	9.14	.01	99.51
SDWR-10026	80.16	5.70	2.32	1.22	4.76	1.83	.06	.37	1.81	.04	.059	65	58	9	1.4	.14	.01	99.74
GSMD-10035	49.09	14.28	11.75	7.13	8.09	3.53	.61	1.94	.19	.17	.029	268	115	37	2.8	.04	.11	99.66
GEBR-10200	47.90	13.16	14.01	6.58	9.10	2.54	.94	2.04	.29	.18	.010	142	58	42	3.2	.16	.02	99.98
PPR-10201	49.93	14.40	11.10	6.00	9.55	3.68	.15	1.92	.16	.18	.017	79	93	34	3.0	.07	.05	100.11
RSHR-10207	28.00	6.50	13.93	11.44	13.68	.11	.44	1.14	.18	.29	.059	154	1146	14	24.0	5.80	.04	99.93
GSMR-10036	43.68	12.21	12.59	15.06	8.32	.71	.12	.67	.05	.16	.094	47	2104	26	5.7	.04	1.44	99.64
RSHR-10209	69.08	13.52	5.51	1.39	.30	2.65	2.81	.72	.09	.06	.008	888	50	11	4.0	.51	.06	100.24
RE RSHR-10209	69.61	13.51	5.60	1.38	.30	2.67	2.58	.73	.09	.06	.009	883	56	11	3.4	.51	.06	100.05
RRE RSHR-10209	69.49	13.59	5.51	1.39	.30	2.65	2.69	.74	.09	.06	.005	885	53	12	3.5	.51	.07	100.12
SDWR-10028	49.09	14.98	10.81	6.43	9.43	3.29	.27	1.79	.19	.17	.014	268	75	36	3.4	.06	.11	99.91
PPR-10202	49.87	14.26	10.94	6.03	10.72	2.89	.21	1.91	.18	.19	.017	74	78	34	2.8	.08	.03	100.04
PPR-10211	48.44	14.28	13.03	5.93	7.03	3.53	2.10	1.92	.16	.16	.016	173	69	35	3.4	.05	.60	100.03
RCPR-10025	50.48	15.34	10.00	5.54	8.54	4.02	.28	1.58	.17	.15	.015	363	74	32	3.8	.25	.02	99.97
GSMR-10037	48.76	14.05	12.17	7.14	7.46	2.63	.49	1.52	.14	.12	.026	104	81	35	5.6	.03	2.36	100.13
RCPR-10022	80.66	7.79	3.51	2.06	.12	.25	1.47	.50	.09	.02	.005	7909	24	14	2.3	<.01	.07	99.66
RSHR-10210	69.55	13.18	5.25	1.49	.37	2.72	2.47	.73	.07	.05	.007	851	50	11	4.0	.59	.07	99.99
SDWR-10033	53.14	18.31	8.62	2.36	3.86	2.97	1.08	1.33	.16	.13	.007	358	25	23	7.9	.67	.03	99.91
SDWR-10027	79.55	6.21	1.91	.55	6.18	1.73	.04	.37	2.10	.04	.081	91	75	9	1.2	.06	.06	99.98
PPR-10204	67.15	9.96	8.56	3.72	3.72	1.93	.61	.94	.23	.26	.016	323	75	22	2.7	.09	.08	99.84
SDWR-10030	65.23	12.08	8.28	1.45	.23	1.59	3.54	.82	.15	.05	.002	2034	41	12	5.7	.02	4.51	99.36
GSMR-10038	49.41	13.02	11.73	5.19	6.34	3.99	.48	2.55	.15	.27	<.001	1476	<20	36	6.6	.03	2.71	99.90
PPR-10205	48.83	13.72	12.07	5.99	12.46	1.52	.08	1.88	.19	.21	.019	27	65	33	3.0	.08	.05	99.98
RSHR-10208	48.91	9.64	20.71	7.44	.58	.14	.81	1.32	.25	.39	.076	416	2042	13	9.1	.21	.03	99.67
RCPR-10023	66.89	12.56	6.73	2.10	.30	.34	3.53	.81	.15	.03	.001	7034	44	12	5.3	.01	3.18	99.53
SDWR-10029	73.23	9.55	6.08	2.60	1.83	2.53	.36	.58	.06	.11	.001	167	46	16	3.0	.02	.84	99.96
RE SDWR-10029	73.11	9.52	6.08	2.62	1.83	2.56	.36	.57	.08	.11	<.001	170	36	15	3.0	.02	.84	99.87
RRE SDWR-10029	73.67	9.54	6.08	2.62	1.83	2.59	.33	.57	.07	.11	<.001	169	20	15	2.5	.02	.82	99.93
GSMR-10034	48.83	13.90	13.38	6.94	6.90	3.62	.38	2.00	.16	.17	.023	357	53	38	3.2	.09	1.06	99.55
PPR-10203	49.71	13.51	10.15	6.55	12.17	2.68	.05	1.58	.16	.18	.026	56	89	33	3.2	.16	.24	99.99
SDWR-10032	66.41	5.47	7.12	1.89	5.77	2.86	.12	.58	.09	.17	<.001	136	<20	19	9.5	2.19	.02	100.00
RCPR-10024	42.54	15.19	8.69	6.64	7.42	1.55	2.19	1.37	.14	.15	.054	1780	90	34	13.4	2.71	.02	99.55
STANDARD SO-15/CSB	49.85	12.42	7.23	7.17	5.83	2.39	1.86	1.75	2.66	1.36	1.051	2025	86	13	5.9	2.42	5.32	99.71

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 14/00 SIGNED BY: D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GSMP-10039	45.52	14.31	8.83	6.76	7.08	1.13	1.26	1.13	.09	.14	.070	1253	131	43	13.5	2.78	.03	99.98
SDWR-10031	73.17	12.31	3.49	.74	.22	3.05	2.97	.76	.14	.01	.006	2171	<20	11	2.7	.05	1.05	99.81
RE SDWR-10031	73.45	12.39	3.42	.74	.22	3.01	2.88	.74	.10	.01	.004	2175	23	11	2.6	.03	1.05	99.81
STANDARD SO-15/CSB	49.56	12.54	7.26	7.20	5.80	2.41	1.86	1.75	2.67	1.37	1.049	2081	81	13	5.9	2.42	5.32	99.61

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

Data 1 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 2398 File # A002513R Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
RCPR-10021	7.5	3.0	15.4	6.1	9.5	74.9	2	32.8	1.0	8.7	.4	2.7	104	3	216.1	25.4	28.5	64.8	7.23	27.2	5.7	.69	4.95	.77	5.12	.94	3.01	.38	2.92	.43
RSHR-10206	131.6	2.5	11.3	2.9	14.1	60.8	2	1129.6	1.1	2.3	.4	1.0	73	3	97.6	33.3	11.4	25.0	3.32	14.6	5.1	2.76	6.56	1.15	6.81	1.20	3.23	.42	2.73	.35
SDWR-10026	10.6	.1	9.2	4.7	5.5	1.5	<1	40.3	.5	5.0	.1	7.3	159	5	171.1	61.6	44.6	39.4	9.82	38.4	7.5	1.91	7.29	1.09	7.55	1.48	4.67	.59	4.10	.60
GSMD-10035	44.1	.6	18.7	3.8	3.8	12.4	1	336.1	.5	.3	.5	.1	318	3	122.6	39.8	5.1	15.7	2.64	13.8	4.6	1.81	5.77	1.05	7.12	1.46	4.46	.58	4.10	.61
GEBR-10200	43.0	.5	19.6	3.6	10.6	23.6	1	108.7	.9	.8	.3	.6	368	2	113.9	46.0	10.6	23.2	3.48	16.5	5.1	1.94	6.52	1.19	8.19	1.68	5.21	.69	5.01	.73
PPR-10201	36.8	.8	19.1	3.8	2.8	2.4	1	158.1	.2	.3	<.1	.3	344	2	123.9	41.8	4.7	15.0	2.50	13.9	4.6	1.82	5.74	1.08	7.45	1.54	4.72	.62	4.27	.61
RSHR-10207	107.7	1.0	10.2	2.0	11.7	16.1	2	847.0	1.0	1.4	.4	.7	86	4	69.4	12.4	8.2	17.6	2.29	10.1	2.6	1.31	2.83	.46	2.66	.46	1.24	.15	1.00	.13
GSMR-10036	127.9	.2	11.6	1.3	1.3	1.6	<1	153.0	.1	.2	<.1	<.1	137	<1	44.1	15.7	2.3	6.2	1.02	5.2	1.8	.77	2.17	.40	2.88	.54	1.72	.23	1.59	.24
RSHR-10209	17.2	2.9	21.1	7.1	12.7	92.1	2	60.0	1.1	12.9	.9	2.5	65	4	237.7	17.4	22.8	50.5	5.46	19.7	4.0	1.15	3.60	.52	3.27	.62	1.91	.24	1.82	.28
RE RSHR-10209	15.4	2.8	20.8	6.7	12.5	86.6	2	57.8	1.1	12.7	.4	2.4	62	3	233.9	16.4	20.5	45.0	4.89	19.1	4.0	1.07	3.37	.49	3.23	.59	1.86	.24	1.72	.26
RRE RSHR-10209	16.5	2.9	20.8	6.8	12.7	89.3	2	57.9	1.1	13.2	.3	2.5	64	4	238.0	17.2	22.8	49.5	5.43	20.5	4.2	1.17	3.54	.52	3.37	.62	1.93	.25	1.86	.28
SDWR-10028	35.9	.6	17.5	3.1	3.4	6.2	1	156.9	.3	.4	.2	.1	297	1	106.1	33.4	4.7	14.4	2.25	11.7	3.8	1.57	4.81	.86	6.15	1.20	3.80	.51	3.45	.53
PPR-10202	35.0	.7	18.5	3.3	2.5	5.1	1	117.5	.2	.2	.1	.3	318	3	112.0	37.7	4.4	13.6	2.35	12.3	4.1	1.60	5.31	.99	6.91	1.38	4.36	.59	3.96	.59
PPR-10211	36.1	.7	19.0	3.5	2.8	11.4	12	132.0	.3	.3	<.1	.3	330	<1	116.9	37.0	5.0	15.1	2.45	13.0	4.4	1.54	5.24	1.04	6.93	1.35	4.19	.55	3.88	.57
RCPR-10025	34.0	2.1	16.6	2.8	3.0	6.0	1	144.0	.2	.3	<.1	.2	264	<1	100.6	30.6	4.6	13.5	2.14	11.0	3.7	1.37	4.35	.80	5.45	1.10	3.42	.45	3.18	.48
GSMR-10037	32.2	.2	18.3	2.6	2.2	6.9	2	94.2	.2	.2	<.1	<.1	291	<1	92.4	31.4	4.1	13.7	2.35	12.4	3.9	1.76	4.69	.84	5.80	1.15	3.56	.47	3.34	.50
RCPR-10022	6.0	2.4	11.7	4.3	6.5	60.2	2	24.7	.8	6.3	.2	1.7	81	1	157.4	20.1	21.9	48.6	5.42	20.8	4.6	.39	3.96	.60	4.09	.76	2.31	.30	2.39	.33
RSHR-10210	14.9	2.7	18.6	7.2	11.6	82.9	2	57.5	1.0	12.8	.2	2.3	62	<1	262.8	15.5	19.3	43.2	4.89	18.1	4.0	1.05	3.15	.46	2.90	.55	1.74	.23	1.71	.26
SDWR-10033	18.5	2.5	21.5	5.2	7.4	37.3	2	332.1	.6	5.2	.1	1.4	174	<1	184.1	27.1	20.0	47.6	5.72	22.5	5.2	1.60	4.76	.78	5.23	1.00	3.16	.41	2.97	.43
SDWR-10027	8.6	<.1	11.3	4.2	5.4	1.2	<1	55.6	.5	4.8	<.1	10.6	203	4	158.4	65.5	47.1	36.9	9.85	39.3	7.5	1.90	7.49	1.16	7.96	1.55	4.76	.59	4.15	.64
PPR-10204	28.6	3.6	13.1	2.7	4.1	22.2	3	122.9	.3	2.5	<.1	.8	202	<1	96.5	23.6	12.2	26.7	3.64	15.3	3.9	1.11	4.17	.68	4.67	.88	2.82	.36	2.65	.38
SDWR-10030	7.1	4.0	17.1	5.5	13.1	146.7	11	61.1	1.3	13.4	3.0	6.7	114	5	191.6	23.4	35.2	72.4	8.44	31.0	6.1	.83	4.41	.67	4.41	.83	2.53	.32	2.25	.32
GSMR-10038	50.9	.6	18.4	3.2	2.2	12.1	<1	232.7	.2	.3	<.1	.2	561	<1	103.5	30.9	4.0	11.7	1.91	9.6	3.3	1.10	4.09	.76	5.38	1.14	3.55	.47	3.54	.52
PPR-10205	36.7	.3	18.9	3.2	2.7	2.2	1	71.1	.3	.2	<.1	<.1	307	<1	109.6	36.3	4.1	13.3	2.25	12.0	4.1	1.55	5.02	.90	6.35	1.29	3.98	.53	3.80	.56
RSHR-10208	181.8	1.2	18.8	6.2	28.0	30.7	2	53.0	2.2	5.4	.1	1.8	104	<1	215.8	24.3	31.2	58.7	7.05	27.3	6.1	2.51	5.68	.82	5.17	.82	2.40	.29	1.91	.25
RCPR-10023	9.5	4.9	16.7	6.1	14.5	148.2	3	42.8	1.4	13.7	.5	3.6	46	<1	214.4	20.1	14.8	31.2	3.89	14.8	3.3	.20	3.51	.55	3.78	.71	2.27	.31	2.24	.33
SDWR-10029	18.2	1.1	13.2	3.0	4.8	13.0	4	265.4	.5	4.1	<.1	1.0	88	<1	109.4	17.1	13.1	35.2	3.67	14.5	3.6	1.02	3.24	.52	3.44	.69	2.12	.30	2.12	.33
RE SDWR-10029	17.9	.8	12.6	2.9	4.6	13.2	4	258.5	.6	3.8	<.1	.9	84	<1	102.0	16.3	12.3	34.3	3.56	14.2	3.4	.96	3.26	.53	3.48	.64	2.07	.28	1.98	.29
RRE SDWR-10029	16.0	.7	11.3	2.6	4.3	11.5	3	239.6	.3	3.5	<.1	.8	81	<1	91.1	15.0	11.5	31.7	3.33	13.3	3.4	.96	3.03	.47	3.38	.60	1.90	.25	1.85	.29
GSMR-10034	40.1	.5	17.7	3.5	3.1	7.6	4	130.2	.3	.3	<.1	<.1	315	<1	114.1	37.1	4.8	14.5	2.40	12.8	4.1	1.56	5.27	.94	6.43	1.32	4.11	.53	3.69	.55
PPR-10203	37.2	.4	17.1	3.0	2.8	1.1	<1	70.1	.2	.3	<.1	.2	265	1	104.0	29.9	4.2	12.1	1.95	10.1	3.5	1.21	4.14	.80	5.28	1.08	3.29	.46	2.96	.46
SDWR-10032	10.1	.1	3.6	1.0	2.2	3.3	<1	396.7	.2	.2	<.1	.1	105	35	34.2	10.6	1.9	4.7	.74	3.7	1.2	.45	1.52	.27	1.77	.36	1.17	.16	1.13	.16
RCPR-10024	33.8	4.8	14.5	2.3	2.1	68.1	<1	185.9	.2	.2	.2	<.1	239	1	75.2	26.3	3.3	9.9	1.60	8.8	3.0	.69	3.61	.67	4.65	.94	2.87	.38	2.62	.37
STANDARD SO-15	22.6	2.9	17.1	27.2	31.3	64.9	17	404.5	1.8	24.1	1.0	21.4	146	19	1085.4	23.1	28.6	59.2	6.06	23.3	4.7	1.00	3.89	.60	4.05	.78	2.53	.35	2.58	.41

GROUP 4B - REE - LiBO2 FUSION, ICP/MS FINISHED.
- SAMPLE TYPE: ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 14/00 SIGNED BY. C. Toye D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
GSMP-10039	39.7	1.5	15.1	1.9	1.8	34.8	<1	122.0	.1	.2	.1	<.1	209	3	61.5	21.0	2.7	8.3	1.38	7.7	2.4	.59	2.88	.57	3.78	.77	2.48	.32	2.27	.30
SDWR-10031	6.6	2.8	18.7	6.0	13.4	114.2	3	84.0	1.3	13.5	.4	3.6	38	2	203.8	24.9	37.5	81.2	9.10	37.4	6.4	.88	5.03	.78	4.91	.87	2.80	.35	2.44	.32
RE SDWR-10031	6.7	2.7	18.1	6.1	13.5	113.8	3	83.8	1.3	13.6	.4	3.6	36	4	200.1	25.1	38.3	80.6	9.17	37.3	7.0	.97	5.03	.75	4.97	.88	2.78	.35	2.37	.33
STANDARD SO-15	22.3	2.7	17.4	27.7	32.2	64.6	16	390.2	1.8	24.0	1.3	20.2	147	21	1026.7	22.2	27.8	59.1	6.12	24.9	4.5	1.04	4.04	.59	3.85	.77	2.53	.33	2.56	.42

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

Data ✓ 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 2398 File # A002513R Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
RCPR-10021	<.5	54	17	78	38	8	<.2	2	<1
RSHR-10206	.5	22	8	62	873	591	<.2	48	1
SDWR-10026	1.8	20	15	46	54	6	.4	1	1
GSMD-10035	1.1	65	10	110	109	5	.2	<1	2
GEBR-10200	<.5	40	4	114	53	<2	.4	<1	1
PPR-10201	.9	50	8	84	55	<2	.3	1	2
RSHR-10207	<.5	10	6	166	1275	372	.4	1	1
GSMR-10036	<.5	3182	43	154	3320	2	<.2	<1	1
RSHR-10209	<.5	11	23	86	77	23	<.2	2	<1
RE RSHR-10209	<.5	12	22	81	49	22	<.2	1	<1
RRE RSHR-10209	<.5	11	22	80	48	22	<.2	<1	<1
SDWR-10028	1.2	95	14	101	82	<2	<.2	2	2
PPR-10202	<.5	47	6	102	62	<2	<.2	1	2
PPR-10211	1.0	230	19	263	58	2	.5	1	2
RCPR-10025	<.5	65	9	86	57	<2	.3	<1	2
GSMR-10037	1.2	75	5	52	83	<2	<.2	<1	2
RCPR-10022	<.5	35	11	60	30	5	.3	2	1
RSHR-10210	1.5	5	18	75	37	19	<.2	1	<1
SDWR-10033	1.3	34	15	78	14	5	<.2	1	2
SDWR-10027	1.0	11	25	68	74	<2	.3	1	1
PPR-10204	4.7	343	70	155	64	4	<.2	2	2
SDWR-10030	7.3	33	322	100	13	74	2.5	17	1
GSMR-10038	1.5	173	5	53	16	<2	<.2	<1	3
PPR-10205	<.5	50	4	89	55	<2	<.2	1	3
RSHR-10208	1.7	56	7	213	2148	1085	.3	9	<1
RCPR-10023	4.9	13	24	53	19	12	<.2	5	1
SDWR-10029	8.0	352	14	105	28	2	.2	1	2
RE SDWR-10029	8.1	354	14	106	27	3	<.2	<1	2
RRE SDWR-10029	7.5	332	14	100	27	3	<.2	1	1
GSMR-10034	1.2	1181	11	101	67	<2	.2	<1	3
PPR-10203	.6	55	7	75	90	<2	<.2	3	4
SDWR-10032	<.5	15	<3	25	9	99	<.2	2	2
RCPR-10024	.6	59	<3	67	86	33	<.2	<1	3
STANDARD CT3	28.3	68	42	182	40	65	22.9	23	24
STANDARD G-2	2.3	3	22	52	7	<2	<.2	<1	<1

GROUP 1EX - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 14/00 SIGNED BY: D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data / FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
GSMP-10039	<.5	74	3	65	144	65	.5	<1	1
SDWR-10031	1.6	15	24	38	9	7	.2	4	<1
RE SDWR-10031	1.7	11	25	38	9	8	.2	4	<1
STANDARD CT3	26.9	66	39	189	38	62	22.6	20	22

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

Data L 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 2398 File # A002626 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
PPD-17958	.85	41.03	10.37	80.2	169	39.9	15.9	541	3.78	7.1	.6	2.0	1.6	12.3	.29	.80	.14	92	.48	.052	15.3	68.0	.82	137.8	.182	1	2.30	.005	.05	<.2	.04	76	.5	.04	6.5
PPD-17948	1.49	63.05	7.38	102.9	861	63.2	19.9	579	2.89	4.8	1.3	2.9	1.0	22.8	.78	.40	.10	93	.63	.168	16.4	87.9	.80	343.0	.129	2	2.20	.009	.03	<.2	.04	109	1.0	.04	6.2
PPD-17954	.45	233.04	8.80	103.0	78	148.0	45.6	1452	5.71	12.7	.4	4.6	1.8	22.8	.27	.81	.10	162	1.03	.063	8.3	128.1	2.43	398.3	.392	2	3.38	.015	.06	<.2	.03	42	.4	.05	10.2
PPD-17957	.98	47.34	10.30	87.9	180	62.0	19.5	709	3.54	8.0	.9	4.9	3.4	17.5	.42	.88	.13	81	.73	.053	19.3	76.0	1.09	283.6	.190	1	2.14	.009	.06	<.2	.04	61	.8	.03	6.0
PPD-17950	.75	138.58	10.39	138.9	77	96.6	35.5	1143	5.06	23.1	.5	3.7	3.2	23.7	.29	1.26	.13	142	1.04	.074	13.7	109.9	1.90	425.7	.360	3	2.99	.019	.10	<.2	.05	71	.5	.02	9.3
PPD-17955	.65	105.09	10.33	106.0	68	77.0	29.7	1180	4.74	9.1	.6	7.3	3.2	23.2	.22	1.52	.13	133	1.03	.086	14.3	110.4	1.92	497.0	.363	<1	2.91	.023	.09	<.2	.05	46	.4	.04	9.0
PPD-17959	.55	38.85	8.08	50.0	61	51.4	20.5	545	3.08	7.1	.4	9.3	2.9	12.3	.20	.79	.10	92	.62	.050	11.5	67.5	.92	141.7	.289	1	2.06	.007	.03	<.2	.04	28	.4	.04	5.3
PPD-17952	.79	79.06	14.69	87.2	53	71.9	26.3	1081	4.15	10.7	.6	9.0	5.9	23.3	.27	1.31	.17	101	.81	.089	24.4	80.3	1.23	301.1	.259	2	2.29	.023	.13	<.2	.07	75	.4	.03	6.8
PPD-17956	.67	100.12	11.79	98.5	25	71.3	31.3	1143	4.87	8.3	.5	2.8	4.4	21.6	.18	.93	.14	132	.82	.075	16.2	94.8	1.89	288.9	.359	<1	2.92	.015	.12	<.2	.06	53	.5	.02	8.7
PPD-17951	.50	33.40	5.46	53.5	36	36.0	16.0	590	3.08	3.3	.5	15.2	2.7	20.6	.16	.29	.11	86	.62	.069	12.0	58.7	.86	170.8	.222	<1	1.90	.013	.07	<.2	.04	25	.3	.03	5.7
PPD-17949	.60	33.56	2.90	49.6	71	36.3	17.2	428	3.50	2.8	.4	4.4	1.2	12.7	.21	.25	.06	98	.43	.062	6.9	65.2	.96	114.9	.282	<1	2.68	.006	.02	<.2	.02	63	.6	.02	5.8
PPD-17953	.66	107.34	7.93	80.0	34	91.0	30.4	894	4.58	6.6	.4	2.3	3.2	13.8	.22	.68	.12	131	.61	.037	14.5	90.7	1.80	142.6	.359	3	3.10	.010	.06	<.2	.05	37	.6	.02	8.5
PPD-17960	.15	26.10	3.71	35.4	14	30.6	10.9	339	2.45	2.2	.2	2.5	2.9	14.2	.04	.20	.06	80	.75	.032	11.5	54.4	.77	197.7	.250	2	1.94	.015	.05	<.2	.03	15	.1	<.02	5.5
RE PPD-17960	.14	26.42	3.77	35.4	11	30.4	10.8	344	2.49	2.3	.3	2.0	2.8	14.3	.05	.19	.06	82	.76	.032	11.5	57.3	.78	200.9	.252	3	1.95	.014	.05	<.2	.03	15	.2	<.02	5.5
GEBD-17933	1.11	29.55	9.76	50.8	45	13.0	13.0	463	3.95	2.6	.6	2.0	2.8	48.2	.10	.09	.15	155	.48	.045	13.0	39.7	.53	86.9	.386	<1	4.26	.112	.07	<.2	.13	40	.4	.03	10.8
GEBD-17938	.43	63.96	6.83	63.6	29	49.0	19.8	927	2.65	4.8	.3	3.9	2.2	19.8	.14	.45	.10	79	.72	.063	8.8	55.7	1.02	519.8	.248	1	2.04	.011	.03	<.2	.03	22	.3	.04	5.1
GEBD-17935	.32	84.63	4.08	36.8	59	62.6	15.2	524	2.89	28.9	.3	3.2	1.3	17.4	.10	.51	.07	91	.77	.024	7.3	63.3	.95	174.1	.241	1	2.16	.010	.02	<.2	.02	35	.5	.02	5.5
GEBD-17940	.32	93.15	4.86	47.7	31	42.8	17.6	726	2.75	3.9	.2	4.5	1.9	18.2	.09	.43	.07	86	.84	.041	7.4	45.4	1.01	274.4	.260	1	2.14	.017	.02	<.2	.03	19	.3	.03	5.9
GEBD-17937	.58	107.56	8.67	57.1	31	49.5	15.4	997	3.15	5.6	.4	7.7	2.9	27.7	.10	.58	.12	91	.67	.039	13.8	80.4	1.21	1145.5	.242	<1	2.29	.017	.07	<.2	.05	63	.3	.05	6.3
GEBD-17934	.64	60.09	4.58	62.9	97	54.4	26.8	819	3.46	3.8	.4	3.8	1.1	17.3	.16	.39	.08	94	.68	.069	7.4	69.3	1.03	163.8	.246	<1	3.78	.011	.02	<.2	.03	64	1.0	.02	6.8
GEBD-17939	.34	71.08	4.67	49.2	22	50.3	19.6	817	3.06	3.9	.2	5.0	1.9	21.9	.10	.43	.07	100	.93	.049	7.3	54.2	1.18	431.0	.292	1	2.59	.022	.03	<.2	.03	17	.5	.02	6.4
GEBD-17936	.29	122.86	4.18	63.7	20	85.5	33.7	1165	4.43	6.8	.2	4.8	1.4	30.5	.10	.54	.06	150	1.21	.046	7.3	102.4	2.07	357.1	.319	<1	3.30	.028	.03	<.2	.03	14	.4	.02	9.4
STANDARD DS2	14.01	121.60	32.93	162.3	266	36.0	11.8	823	3.06	59.3	19.4	216.5	3.6	28.8	10.23	10.05	10.97	73	.54	.090	17.7	165.2	.60	150.2	.095	4	1.73	.030	.16	7.4	1.80	242	2.2	1.91	5.9

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: -230 TILL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 26 2000 DATE REPORT MAILED: Aug 10/00 SIGNED BY. C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002626 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
PPD-17958	.71	<.1	.05	1.22	5.7	4.0	.6	.03	<.05	2.8	10.68	26.5	.03	<1	.5	20.0	30
PPD-17948	.56	<.1	.02	.52	2.6	4.0	.5	.02	<.05	1.5	19.02	30.0	.03	2	.4	10.4	30
PPD-17954	.90	.1	.25	.26	2.8	11.8	.6	<.01	<.05	9.2	17.31	13.5	.03	<1	.7	23.1	30
PPD-17957	.67	<.1	.06	.77	5.8	5.3	.4	.02	<.05	3.4	13.72	34.0	.03	<1	.4	24.9	30
PPD-17950	1.04	<.1	.27	.41	4.9	11.7	.6	<.01	<.05	10.0	17.23	22.3	.04	<1	.5	25.0	30
PPD-17955	.86	<.1	.34	.35	4.7	11.0	.6	.01	<.05	13.5	16.19	23.1	.04	<1	.5	20.9	30
PPD-17959	.45	<.1	.13	.83	3.7	4.0	.5	.01	<.05	6.1	8.93	25.0	.03	<1	.6	13.9	30
PPD-17952	.84	.1	.37	.42	6.6	10.9	.6	.01	<.05	14.9	19.71	37.3	.04	<1	.5	21.4	30
PPD-17956	.96	<.1	.28	.55	6.2	9.7	.6	.01	<.05	10.8	12.69	29.5	.04	<1	.5	23.4	30
PPD-17951	.58	<.1	.09	.57	4.9	4.8	.5	.01	<.05	4.0	8.86	23.2	.04	<1	.3	11.7	30
PPD-17949	.37	<.1	.11	1.89	2.7	3.5	.4	.03	<.05	5.0	6.86	14.0	.04	1	.4	12.3	30
PPD-17953	.98	<.1	.15	1.04	6.5	6.0	.6	.01	<.05	6.2	9.53	26.7	.04	<1	.5	26.5	30
PPD-17960	.45	<.1	.21	.29	4.0	5.2	.4	.01	<.05	9.8	6.80	21.1	.03	<1	.4	13.9	30
RE PPD-17960	.45	<.1	.18	.25	4.0	5.2	.5	<.01	<.05	8.4	6.84	21.1	.03	<1	.2	13.9	30
GEBD-17933	1.25	<.1	.66	.55	4.4	9.5	1.5	.02	<.05	40.3	15.39	29.8	.05	<1	.7	10.9	30
GEBD-17938	.49	<.1	.25	.83	2.1	4.3	.5	<.01	<.05	9.2	9.24	19.0	.03	1	.3	11.2	30
GEBD-17935	2.65	<.1	.11	.62	2.2	7.1	.4	.01	<.05	4.4	14.69	18.8	.03	<1	.4	15.8	30
GEBD-17940	.55	<.1	.26	.48	1.4	4.7	.5	.01	<.05	10.6	9.63	21.2	.03	<1	.4	9.5	30
GEBD-17937	.61	<.1	.21	.50	3.9	8.3	.6	.01	<.05	9.2	12.04	22.9	.03	1	.4	14.5	30
GEBD-17934	.75	<.1	.15	1.11	2.0	5.6	.6	.03	<.05	6.4	12.02	16.0	.03	2	.4	11.5	30
GEBD-17939	.46	<.1	.33	.45	1.7	5.4	.5	<.01	<.05	12.8	9.91	17.5	.02	<1	.3	10.7	30
GEBD-17936	.67	.1	.35	.19	1.6	10.7	.6	<.01	<.05	14.4	14.42	21.4	.04	<1	.2	13.7	30
STANDARD DS2	3.18	<.1	.04	1.38	13.1	3.0	26.4	.03	<.05	2.8	7.90	29.7	5.41	2	.6	14.6	30

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: -230 TILL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 26 2000 DATE REPORT MAILED: Aug 10/00 SIGNED BY: C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

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

WHOLE ROCK ICP ANALYSIS

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002626R

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
PPD-17958	57.33	11.27	7.52	2.50	2.15	1.31	1.17	1.25	.27	.10	.012	728	36	94	173	28	<10	18	15.0	4.01	.01	100.01
PPD-17948	63.74	11.66	6.17	2.45	3.09	2.04	.94	1.22	.49	.11	.019	1049	56	220	216	38	<10	17	8.2	1.32	<.01	100.32
PPD-17954	53.37	12.01	11.87	6.22	4.54	1.31	.78	1.37	.18	.24	.023	1062	144	97	96	35	<10	33	8.3	.23	<.01	100.38
PPD-17957	63.23	11.92	7.10	2.97	2.55	1.56	1.45	1.23	.19	.12	.015	1003	62	108	173	33	<10	20	7.5	1.24	<.01	100.00
PPD-17950	57.55	12.46	9.93	4.50	3.55	1.47	1.04	1.34	.23	.18	.024	1107	181	104	137	34	<10	29	7.5	.35	<.01	99.96
PPD-17955	59.08	12.11	9.33	4.53	3.51	1.43	1.13	1.32	.24	.19	.019	1258	66	101	150	34	<10	28	6.7	.24	.02	99.78
PPD-17959	64.01	10.81	6.86	3.17	3.68	1.68	.90	1.59	.16	.11	.020	684	56	122	249	31	11	22	7.0	1.09	<.01	100.13
PPD-17952	63.60	12.09	8.04	3.23	2.73	1.58	1.42	1.34	.22	.16	.018	1015	65	104	198	39	<10	25	5.4	.13	.02	100.00
PPD-17956	57.48	13.06	9.91	4.46	3.02	1.49	1.41	1.38	.22	.18	.017	958	58	93	150	30	<10	27	7.0	.34	<.01	99.78
PPD-17951	64.28	12.77	6.63	2.52	2.88	2.20	1.38	1.29	.18	.11	.011	793	41	221	227	28	<10	17	5.6	.53	<.01	100.01
PPD-17949	52.32	12.07	8.21	2.89	3.45	1.86	.87	1.45	.20	.10	.024	476	406	205	246	27	11	20	16.7	4.51	.02	100.31
PPD-17953	57.46	12.96	9.14	4.34	2.86	1.40	1.15	1.43	.13	.15	.017	775	131	92	150	28	10	24	8.8	1.14	.02	99.98
PPD-17960	71.90	10.15	4.99	2.34	2.51	1.82	.83	1.13	.11	.07	.012	697	36	109	185	21	<10	15	4.3	.23	<.01	100.29
RE PPD-17960	71.91	10.03	4.91	2.32	2.51	1.81	.84	1.10	.09	.07	.010	692	32	108	178	23	<10	16	4.2	.23	<.01	99.92
GEBD-17933 S-1	53.85	18.09	8.68	2.43	3.94	3.01	1.06	1.36	.14	.13	.005	344	<20	336	175	28	<10	23	7.2	.67	.03	100.00
GEBD-17938	65.69	10.59	6.12	3.66	4.13	1.76	.91	1.27	.15	.17	.019	1300	39	132	161	26	13	24	5.4	.61	.01	100.06
GEBD-17935	61.14	11.01	6.92	3.84	4.75	1.81	.72	1.48	.10	.12	.022	659	64	140	246	36	<10	31	8.1	1.46	<.01	100.15
GEBD-17940	64.28	11.18	6.43	3.90	4.81	2.06	.75	1.27	.11	.14	.022	754	42	140	173	26	<10	25	5.2	.49	<.01	100.29
GEBD-17937	68.98	10.12	6.31	3.25	2.86	1.41	1.01	1.16	.07	.16	.015	2074	38	119	132	27	<10	24	4.6	.22	<.01	100.22
GEBD-17934	51.12	12.55	7.09	3.27	3.27	1.44	.77	1.09	.22	.14	.017	656	51	113	132	27	<10	21	18.9	4.40	<.01	100.00
GEBD-17939	62.84	11.25	6.83	4.13	4.86	1.95	.76	1.32	.13	.15	.023	1018	145	134	149	26	<10	27	5.5	.40	<.01	99.92
GEBD-17936	58.67	12.29	8.67	5.18	4.59	2.09	.56	1.31	.09	.19	.022	784	82	114	117	29	<10	32	6.4	.34	<.01	100.20
STANDARD SO-15/CSB	49.87	12.23	7.28	7.24	5.85	2.40	1.85	1.76	2.67	1.39	1.059	1926	78	395	946	22	21	12	5.9	2.44	5.32	99.91

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: -230 TILL
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 7/00 SIGNED BY..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ 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 2398 File # A002627 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
GEBX-14032	1.76	17.34	9.62	101.0	215	33.8	43.4	7613	8.36	33.4	.4	2.6	1.6	48.6	.54	2.06	.10	40	1.10	.144	10.5	40.6	.51	424.2	.037	2	1.09	.006	.08	<.2	.05	83	.7	.02	3.5
GEBX-14022	.90	204.57	8.30	65.9	270	196.4	18.6	873	2.66	3.3	1.3	10.0	.3	23.4	.39	1.15	.09	89	1.16	.108	14.0	77.0	.94	170.2	.139	3	2.05	.010	.08	<.2	.04	111	3.9	.03	5.5
GEBX-14037	.61	41.53	8.40	63.7	97	45.3	16.3	823	3.15	18.5	.4	9.4	1.2	30.3	.27	4.97	.07	85	1.40	.073	7.8	63.3	.84	318.2	.123	5	1.70	.012	.08	<.2	.04	193	1.3	.02	5.0
GEBX-14028	.51	41.98	5.35	67.4	96	40.7	18.6	1453	3.19	5.9	.4	5.9	.9	28.4	.29	1.10	.07	93	1.13	.068	9.0	63.1	.85	244.4	.155	3	1.99	.014	.05	<.2	.04	151	.8	<.02	5.5
GEBX-14025	1.02	56.33	8.50	62.4	332	32.0	12.5	1351	2.17	3.5	.6	214.7	.1	35.8	.45	.49	.07	75	1.47	.150	14.9	62.7	.61	305.0	.112	6	3.14	.010	.06	<.2	.06	243	2.8	.02	4.4
GEBX-14039	.69	44.57	9.27	70.8	179	40.1	13.5	1330	3.04	7.8	.3	3.8	1.1	41.4	.38	9.17	.10	67	2.08	.089	8.6	69.4	.82	315.0	.085	7	1.67	.009	.13	<.2	.05	216	3.1	.02	4.5
GEBX-14027	.41	23.42	3.44	51.6	135	18.7	8.8	2868	1.28	2.3	.2	1.6	.1	20.3	.25	5.43	.03	46	.86	.063	5.3	27.2	.26	216.8	.063	2	.93	.006	.05	<.2	.03	88	.8	<.02	1.8
GEBX-14023	.86	65.78	10.25	84.0	429	34.5	11.2	865	2.21	4.7	1.3	4.3	.3	29.6	.55	4.85	.12	69	1.33	.133	21.8	61.1	.68	342.2	.071	4	1.78	.008	.14	<.2	.05	172	6.3	.03	4.3
GEBX-14029	.63	40.19	7.74	80.8	101	30.6	26.3	3048	3.58	4.3	.3	2.4	1.2	21.8	.41	.98	.09	99	.99	.066	11.5	53.4	.73	157.6	.131	3	1.92	.012	.08	<.2	.05	132	.8	<.02	5.5
GEBX-14024	1.09	110.18	8.21	40.2	440	46.8	10.7	1480	2.14	6.3	1.6	3.6	.1	45.6	.60	.69	.10	73	2.51	.176	28.1	81.6	.57	430.4	.063	7	2.02	.008	.09	<.2	.06	298	9.3	.02	3.8
G. 14030	.73	57.48	7.08	74.8	87	28.8	13.9	892	2.79	4.8	.4	2.1	.9	29.0	.31	.50	.09	81	1.32	.081	12.0	58.4	.67	169.4	.130	4	1.83	.014	.09	<.2	.04	108	1.0	<.02	5.0
.STD GEBX-14033	1.00	30.44	9.25	46.3	39	11.9	12.5	449	3.93	2.7	.6	2.7	2.7	43.8	.09	.09	.14	152	.47	.043	10.7	41.8	.53	88.7	.352	1	4.00	.100	.06	.2	.12	26	.6	.04	10.0
GEBX-14040	.68	65.51	9.60	74.8	372	40.8	12.4	637	2.36	3.8	1.1	3.1	.8	31.8	.70	.72	.10	52	1.08	.087	19.7	57.5	.64	191.3	.083	3	1.67	.007	.06	<.2	.07	233	1.2	<.02	4.3
RE GEBX-14036	.58	70.66	5.41	81.9	92	58.5	33.3	1253	4.37	18.7	.2	5.2	1.5	30.8	.18	1.52	.10	125	1.68	.062	6.4	87.7	1.99	1325.3	.174	2	2.22	.012	.06	<.2	.04	81	.8	.02	6.9
GEBX-14036	.55	68.67	5.25	81.7	91	56.3	31.7	1222	4.23	18.4	.2	5.9	1.4	30.2	.19	1.68	.09	121	1.63	.060	6.2	82.9	1.94	1297.5	.169	3	2.15	.011	.05	<.2	.04	81	.8	.02	6.7
GEBX-14021	.84	202.67	6.28	65.8	249	192.6	19.9	901	2.71	3.1	1.2	7.2	.3	22.6	.38	1.61	.08	91	1.13	.111	13.2	78.1	.97	170.4	.149	3	2.05	.010	.08	<.2	.03	108	3.6	.04	5.7
GEBX-14035	.64	12.48	7.09	46.8	86	13.2	6.2	439	1.80	4.4	.3	4.6	1.6	8.4	.22	.34	.09	36	.31	.064	9.4	19.4	.29	116.8	.073	1	.67	.002	.04	<.2	.02	30	.3	.02	2.6
GEBX-14038	.65	43.98	6.58	60.0	94	42.3	16.0	765	2.94	16.3	.3	8.5	.9	30.4	.26	1.94	.06	78	1.52	.070	6.6	57.2	.84	384.0	.087	6	1.50	.009	.06	<.2	.04	205	1.8	.02	4.2
GEBX-14034	.48	6.91	6.73	19.5	244	4.8	1.8	265	.54	1.2	.1	.5	.2	7.8	.17	.56	.10	26	.26	.041	9.4	14.1	.11	135.1	.047	2	.34	.003	.04	<.2	.03	45	.2	<.02	2.4
GEBX-14031	.53	23.44	9.79	74.8	81	33.4	13.3	666	3.31	5.5	.5	1.8	4.4	12.7	.24	.34	.13	43	.32	.064	17.2	42.1	.74	118.4	.067	1	1.50	.004	.06	<.2	.04	31	.4	.02	4.2
GEBX-14026	1.04	71.24	9.58	84.7	331	39.7	13.9	1448	2.26	4.1	.8	16.0	.1	33.4	.72	4.95	.10	83	1.51	.146	14.4	60.6	.74	210.0	.122	5	2.50	.012	.08	<.2	.05	231	7.1	.03	4.6
GEBX-10369	.86	36.95	8.49	105.5	125	36.2	38.7	6523	5.27	5.5	.3	2.7	1.0	33.3	.50	.56	.08	106	1.38	.102	9.7	52.0	.76	233.2	.108	3	1.75	.011	.12	<.2	.04	198	.9	.02	5.1
STANDARD DS2	14.10	128.22	31.93	156.8	260	37.0	11.7	831	3.09	57.4	21.1	210.5	3.5	27.0	10.27	9.37	10.72	74	.52	.088	15.2	160.1	.60	152.3	.091	2	1.70	.027	.15	7.4	1.76	224	2.1	1.87	6.0

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: MOSS MAT Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 26 2000 DATE REPORT MAILED: Aug 13/00 SIGNED BY. C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A002627 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GEBX-14032	.32	.2	.03	.38	4.4	2.3	.1	.10	<.05	.7	7.87	21.2	<.02	2	.2	14.8	30
GEBX-14022	.45	.1	.09	.94	3.5	4.7	.4	.10	<.05	2.6	24.99	15.6	.02	4	.4	8.7	30
GEBX-14037	.90	.1	.15	.64	4.1	8.2	.4	.10	<.05	5.7	15.35	16.7	.03	<1	.2	14.0	30
GEBX-14028	1.57	.1	.13	.64	3.7	9.0	.5	.08	<.05	6.1	21.38	18.8	.04	<1	.4	13.7	30
GEBX-14025	.77	.1	.12	.94	2.7	5.2	.5	.18	<.05	3.1	32.14	20.8	.03	<1	.6	7.0	30
GEBX-14039	1.45	.1	.09	.65	5.6	5.9	.3	.14	<.05	3.8	13.60	18.4	.04	<1	.3	19.8	15
GEBX-14027	.21	.1	.03	.26	1.8	3.1	.1	.08	<.05	.8	14.17	8.3	.03	<1	.2	3.5	30
GEBX-14023	.57	.2	.07	.58	4.4	4.0	.4	.14	<.05	1.5	31.28	23.2	.05	2	.5	11.9	15
GEBX-14029	.80	.1	.11	.58	5.0	8.0	.4	.08	<.05	4.5	23.70	21.9	.07	3	.4	14.9	30
GEBX-14024	.58	.2	.12	1.01	3.8	6.5	.3	.25	<.05	1.9	50.57	18.7	.06	6	.7	11.1	15
GEBX-14030	1.07	.1	.12	.75	5.4	6.7	.4	.10	<.05	5.0	24.99	21.7	.07	2	.4	17.0	30
.STD GEBX-14033	1.20	.2	.64	.40	4.2	8.3	1.3	.02	<.05	35.9	13.50	29.7	.09	<1	.6	10.3	30
GEBX-14040	.74	.1	.12	.61	4.6	8.4	.3	.09	<.05	3.9	31.00	18.2	.06	2	.4	14.9	30
RE GEBX-14036	1.36	.1	.18	.38	3.4	13.8	.5	.05	<.05	6.8	17.71	15.2	.07	<1	.3	15.9	30
GEBX-14036	1.33	.1	.18	.37	3.2	13.2	.4	.05	<.05	6.5	16.84	15.1	.07	<1	.4	15.5	30
GEBX-14021	.46	.1	.09	.89	3.5	4.7	.4	.09	<.05	2.6	23.54	15.3	.05	4	.4	9.1	30
GEBX-14035	.27	<.1	.03	.36	5.0	1.0	.2	.02	<.05	.9	2.24	20.9	.03	<1	.1	8.2	30
GEBX-14038	1.20	.1	.09	.51	4.8	7.5	.3	.11	<.05	3.7	13.86	13.9	.04	<1	.2	13.9	15
GEBX-14034	.54	<.1	<.02	.29	2.9	.6	.4	.03	<.05	.3	1.28	18.4	.02	<1	.1	1.4	15
GEBX-14031	.45	.1	.03	.38	4.6	2.9	.2	.02	<.05	1.5	5.18	35.2	.02	<1	.2	25.2	30
GEBX-14026	1.05	.1	.09	.79	2.8	4.9	.4	.17	<.05	2.6	31.71	15.9	.02	6	.4	8.5	15
GEBX-10369	1.07	.1	.10	.52	6.2	7.6	.3	.14	<.05	3.7	25.53	18.9	.02	<1	.3	12.9	15
STANDARD DS2	3.23	.1	.06	1.48	12.6	2.8	25.6	.03	<.05	2.9	7.55	31.6	5.24	<1	.6	14.3	30

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: MOSS MAT Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 26 2000 DATE REPORT MAILED: Aug 13/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ 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 2398 File # A002627R

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	LOI %
GEBX-14032	25.7
GEBX-14022	29.4
GEBX-14037	31.0
GEBX-14028	21.9
GEBX-14025	55.2
GEBX-14039	40.4
GEBX-14027	47.5
GEBX-14023	34.6
GEBX-14029	22.6
GEBX-14024	66.6
GEBX-14030	31.2
.STD GEBX-14033 S-1	7.3
GEBX-14040	28.1
RE GEBX-14040	27.8
GEBX-14036	13.6
GEBX-14021	27.7
GEBX-14035	7.7
GEBX-14038	31.9
GEBX-14034	17.4
GEBX-14031	6.8
GEBX-14026	46.0
GEBX-10369	34.4
STANDARD DOLOMITE	45.6

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

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 4/00 SIGNED BY. C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data A FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003056 Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
GSMD-18064	.62	31.37	5.09	63.4	42	34.7	17.0	415	4.23	2.3	.3	3.1	1.6	8.2	.12	.28	.10	157	.43	.049	6.4	89.1	.79	145.4	.431	1	2.84	.008	.02	.2	.03	61	.5	.03	8.4
GSMD-18076	.39	187.52	5.11	102.6	29	95.3	50.9	1283	5.62	3.4	.2	3.4	1.6	34.8	.17	1.08	.08	171	1.60	.046	6.6	109.3	1.91	117.9	.419	3	3.53	.019	.04	<.2	.04	43	.4	.03	11.0
GSMD-18062	.53	43.74	5.66	71.8	45	43.7	21.8	959	4.06	3.0	.3	3.5	1.3	15.9	.16	.31	.10	144	.82	.036	7.8	92.4	1.21	255.3	.373	1	2.62	.012	.03	<.2	.03	43	.4	.02	9.1
GSMD-18003	.65	46.68	11.96	72.7	43	47.1	20.0	633	3.31	7.1	.5	2.2	5.8	15.0	.11	.69	.17	68	.36	.055	20.9	53.2	.95	130.1	.136	1	1.82	.006	.04	<.2	.04	38	.4	.02	5.2
GSMD-18017	.30	76.36	4.40	61.9	28	59.4	32.2	1219	4.71	93.4	.2	15.3	1.6	25.6	.13	1.07	.06	158	.94	.043	6.7	98.9	1.69	175.2	.324	2	3.19	.013	.03	<.2	.04	38	.3	.02	9.7
GSMD-18019	.26	53.32	6.96	62.7	16	55.7	22.9	930	3.88	4.0	.2	1.7	3.7	27.2	.12	.35	.10	111	1.07	.056	11.2	77.4	1.27	135.0	.272	2	2.49	.018	.08	<.2	.04	39	.1	.02	7.9
GSMD-18012	.71	36.43	12.99	85.3	57	51.4	22.0	483	3.94	8.3	.4	2.3	3.7	8.5	.09	.56	.21	93	.37	.064	14.9	66.8	.92	312.8	.174	1	2.63	.006	.03	<.2	.05	50	.4	.06	6.4
GSMD-18078	.46	88.81	3.15	82.1	60	80.0	38.9	2015	5.10	32.4	.2	2.8	.7	13.3	.18	1.08	.06	94	.39	.054	8.7	73.8	.91	129.4	.028	1	2.51	.005	.04	<.2	.05	106	.6	<.02	5.3
GSMD-18063	.52	35.60	4.48	55.9	42	37.9	14.6	471	3.47	2.4	.3	2.7	1.3	11.5	.20	.23	.06	114	.68	.041	6.4	67.9	.95	147.4	.327	1	2.88	.011	.02	<.2	.03	78	.5	<.02	7.3
GSMD-18009	.37	69.40	6.07	57.0	36	50.2	28.5	709	3.47	4.1	.2	1.2	1.8	12.7	.10	.48	.09	103	.77	.064	7.5	55.1	1.14	166.6	.291	1	2.38	.009	.03	<.2	.02	31	.5	.09	6.7
GSMD-18015	.51	31.24	4.99	47.1	101	37.9	20.8	440	3.31	31.3	.3	3.8	1.7	14.3	.13	.47	.08	103	.47	.077	7.9	73.0	.67	83.7	.241	2	3.06	.005	.03	.2	.03	103	.5	.04	7.2
GSMD-18005	.50	75.95	8.71	71.4	54	49.9	23.2	845	3.49	13.3	.4	2.2	4.3	19.6	.16	.85	.12	76	.53	.070	13.8	56.9	1.03	287.1	.146	1	1.63	.008	.05	<.2	.03	48	.2	.06	5.3
GSMD-18002	.66	69.71	12.22	80.2	18	51.9	24.5	768	3.70	8.9	.6	2.8	6.3	18.0	.10	.63	.16	75	.43	.053	19.7	63.1	1.06	163.5	.155	1	1.83	.007	.06	<.2	.06	40	.3	.04	5.6
GSMD-18070	.57	27.13	5.38	56.4	66	32.3	13.7	369	3.96	4.2	.3	9.8	1.6	12.2	.12	.26	.09	131	.46	.042	7.9	78.5	.79	134.1	.344	1	2.39	.007	.02	<.2	.03	76	.3	.02	8.1
GSMD-18001	1.33	67.36	9.42	67.2	17	43.7	27.5	703	3.91	6.8	.5	3.1	4.9	17.4	.10	.73	.14	80	.42	.047	17.3	54.8	.99	139.1	.193	1	1.74	.006	.04	<.2	.04	29	.7	.07	5.1
GSMD-18075	1.12	32.72	6.58	67.3	64	30.8	14.6	472	4.22	3.2	.3	5.2	1.1	15.4	.23	.26	.13	165	.75	.038	6.4	80.3	.76	173.9	.316	1	2.34	.007	.02	<.2	.03	40	.3	.09	9.3
GSMD-18061	.64	48.18	6.66	74.3	59	36.9	19.2	892	4.04	3.8	.3	5.8	1.1	12.8	.17	.30	.12	146	.65	.042	8.3	94.6	.99	264.9	.313	1	2.47	.007	.03	<.2	.03	52	.5	.08	8.9
GSMD-18004	.65	78.83	11.18	74.2	19	50.9	24.3	782	3.72	7.9	.5	2.7	5.6	22.4	.12	.74	.15	86	.55	.063	19.4	63.5	1.10	156.4	.178	3	1.83	.007	.06	<.2	.05	67	.4	.05	5.6
RE GSMD-18004	.66	79.27	10.85	74.8	18	50.1	24.4	781	3.69	7.7	.5	3.4	5.5	21.2	.11	.71	.15	86	.54	.060	19.1	62.2	1.10	155.3	.177	2	1.81	.007	.06	<.2	.04	69	.3	.03	5.5
GSMD-18016	.30	33.82	6.13	49.0	16	37.6	17.9	609	3.07	20.3	.3	3.4	3.6	26.5	.10	.46	.09	93	.50	.034	11.9	71.1	.93	110.0	.212	2	2.17	.008	.04	<.2	.03	27	.2	.03	6.3
GSMD-18073	.50	48.76	4.60	69.8	38	51.7	26.3	713	4.41	4.9	.2	2.3	1.4	21.1	.21	.47	.07	152	.80	.074	4.8	82.8	1.21	186.3	.371	2	3.26	.012	.03	<.2	.02	66	.5	.03	9.0
GSMD-18066 S-1	1.04	30.27	9.30	52.0	55	12.3	12.8	471	4.01	2.2	.6	1.4	2.7	45.0	.07	.10	.14	162	.44	.043	12.1	45.9	.53	89.4	.389	1	4.28	.112	.06	<.2	.12	42	.4	.04	10.5
GSMD-18079	.35	62.14	6.94	63.3	41	52.0	25.4	816	4.06	4.5	.2	4.7	1.6	15.2	.13	.44	.12	135	.80	.023	7.0	84.6	1.31	270.2	.345	2	2.90	.011	.03	<.2	.02	37	.3	.05	8.7
GSMD-18072	.59	30.72	3.85	87.7	26	45.6	22.8	466	4.33	3.3	.2	1.2	1.5	24.5	.12	.28	.07	140	.71	.105	5.9	82.1	.92	235.5	.317	2	3.17	.013	.02	<.2	.02	36	.5	<.02	8.0
GSMD-18010	.94	59.73	11.33	73.7	122	40.1	16.7	558	3.83	5.9	.4	1.5	1.8	10.1	.22	.43	.16	101	.53	.047	10.6	67.4	1.03	243.2	.237	1	2.52	.007	.03	.2	.03	91	.6	.04	6.8
GSMD-18065	.43	85.62	7.60	64.2	38	48.9	24.5	835	4.06	4.8	.3	2.7	3.8	18.8	.06	.49	.10	112	.86	.060	13.9	89.2	1.39	594.2	.245	1	2.43	.009	.05	<.2	.04	26	.3	.04	7.0
GSMD-18006	.43	61.31	5.87	63.0	53	49.0	19.0	723	4.36	3.7	.3	6.4	1.4	12.8	.13	.27	.10	153	.76	.032	7.8	97.8	1.27	280.4	.364	2	3.25	.011	.04	<.2	.04	68	.6	.05	9.7
GSMD-18074	.92	43.02	5.45	68.6	118	47.1	24.2	919	3.80	4.1	.4	2.8	1.0	19.0	.22	.31	.08	127	.88	.036	6.0	79.8	1.00	224.3	.330	2	2.67	.009	.03	<.2	.03	79	.5	.04	7.8
GSMD-18013	.58	106.54	5.11	56.3	114	72.0	37.3	722	4.94	5.8	.3	1.2	1.7	12.5	.09	.41	.07	145	.97	.036	6.8	102.7	1.53	181.5	.313	2	3.89	.006	.03	<.2	.03	51	.6	<.02	8.9
GSMD-18068	.45	36.14	4.61	54.1	54	38.5	16.8	510	3.72	2.5	.3	5.0	1.6	10.6	.12	.21	.07	131	.64	.032	7.0	91.3	1.04	159.3	.400	1	2.83	.010	.02	<.2	.03	67	.6	.03	8.2
GSMD-18007	.51	44.56	7.37	60.6	46	41.3	23.0	564	3.48	5.2	.4	1.4	3.0	12.9	.08	.42	.12	88	.46	.052	12.2	62.3	1.00	389.4	.225	1	2.19	.006	.03	<.2	.03	61	.4	.02	5.6
GSMD-18067	.52	35.81	4.46	53.0	48	34.9	20.8	744	3.51	2.8	.2	2.5	1.0	11.7	.21	.31	.07	123	.86	.036	5.5	62.5	.98	186.8	.381	2	2.77	.013	.02	<.2	.02	70	.6	.03	7.2
GSMD-18008	.56	62.98	6.14	70.8	44	48.6	35.7	680	4.28	5.0	.3	.6	2.9	14.2	.09	.55	.10	116	.64	.049	11.5	63.9	1.28	199.3	.268	1	2.62	.007	.04	<.2	.03	26	.4	.04	7.3
STANDARD DS2	14.11	125.58	33.07	155.9	249	34.1	11.6	804	2.99	58.5	19.1	191.0	3.5	26.3	10.16	9.85	10.87	72	.48	.091	15.2	155.1	.57	145.0	.084	1	1.55	.026	.14	7.6	1.82	231	2.3	1.87	5.7

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: TILL S230 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 16 2000 DATE REPORT MAILED: Sept 2/00 SIGNED BY. C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 FILE # A003056

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
GSMD-18014	.39	79.13	3.38	59.4	33	55.1	38.1	2076	4.62	139.5	.2	33.9	1.9	17.0	.12	2.76	.07	130	.73	.045	8.6	80.4	1.31	127.1	.178	2	2.40	.008	.04	.2	.09	127	.3	.02	6.9
GSMD-18069	.42	38.66	5.81	52.2	44	40.6	16.1	506	3.66	3.1	.3	4.5	1.9	10.3	.13	.26	.09	128	.58	.029	8.5	78.8	1.03	204.4	.322	2	2.89	.010	.03	<.2	.03	36	.5	.04	7.8
GSMD-18011	.42	62.14	10.86	70.9	72	55.6	31.8	794	3.89	7.6	.3	38.8	3.1	9.2	.08	.59	.17	110	.62	.068	9.8	66.4	1.32	308.2	.270	2	2.67	.008	.04	<.2	.03	32	.4	.03	7.1
GSMD-18080	.55	126.97	3.07	98.3	61	67.8	59.2	1391	6.09	9.5	.2	2.8	.7	44.9	.17	.97	.04	189	1.38	.050	4.3	58.3	1.65	183.8	.433	2	4.44	.012	.03	<.2	.02	55	.8	.05	12.4
GSMD-18018	.39	87.41	4.45	51.6	50	48.1	28.9	1024	3.81	11.2	.2	2.0	1.1	19.8	.15	.54	.06	136	1.01	.069	3.9	70.3	1.41	72.1	.357	2	3.25	.013	.03	<.2	.02	42	.5	.02	8.8
GSMD-18071	.40	37.87	5.09	55.8	59	46.7	24.3	491	3.70	3.7	.3	1.6	2.0	14.6	.13	.30	.08	127	.59	.071	7.1	81.9	.95	177.7	.328	2	3.45	.012	.03	<.2	.03	67	.5	.03	7.7
GSMD-18077	1.00	33.81	7.23	152.7	151	28.4	23.6	1218	5.36	4.2	.3	1.0	1.2	11.7	.44	.42	.14	175	.56	.114	6.4	76.5	.60	224.3	.330	1	2.81	.008	.03	<.2	.04	88	.5	.05	10.6
GSMD-18020	.21	46.20	7.60	53.3	11	43.7	17.5	650	3.31	5.6	.3	7.1	4.5	17.6	.14	.37	.10	97	.79	.045	11.8	70.9	.98	122.1	.242	2	2.39	.009	.09	<.2	.05	28	.3	<.02	6.4
GEBD-18098	.44	71.25	4.88	67.4	61	56.0	24.9	874	4.00	2.7	.3	3.2	1.4	21.0	.16	.47	.07	145	1.26	.014	6.4	81.5	1.37	162.0	.441	2	2.79	.020	.03	<.2	.02	32	.5	<.02	8.8
GEBD-18039	.32	51.50	6.22	57.1	24	49.1	29.9	929	3.76	3.7	.2	4.2	1.3	14.6	.16	.39	.09	138	1.08	.034	5.8	70.5	1.30	185.0	.420	2	3.00	.015	.04	<.2	.02	50	.5	.04	8.2
GEBD-18036	.54	47.21	4.99	57.2	37	43.1	21.0	672	3.82	3.2	.3	2.1	1.4	11.8	.20	.34	.08	129	.81	.030	6.7	69.8	1.15	192.7	.376	2	3.10	.013	.03	<.2	.03	58	.6	.05	7.9
GEBD-18026	.63	97.49	10.69	76.9	94	83.1	25.2	1250	3.62	13.8	.7	40.7	3.2	17.4	.13	1.22	.17	97	.73	.028	13.4	79.2	1.34	953.0	.217	3	2.36	.009	.07	<.2	.05	71	.6	.09	6.8
GEBD-18082	.29	40.24	4.44	45.1	32	42.7	19.4	546	3.08	5.2	.2	23.2	2.2	13.5	.08	.45	.08	107	.87	.039	7.0	60.6	.94	176.3	.315	2	2.29	.011	.04	<.2	.02	20	.4	.04	6.3
GEBD-18089	.40	64.96	4.71	53.9	87	47.3	22.1	570	3.35	5.2	.4	7.3	1.3	26.4	.12	.56	.08	110	1.04	.055	8.8	74.9	.87	90.2	.236	2	2.39	.010	.03	<.2	.02	78	.7	.02	5.9
GEBD-18037	.34	52.94	6.12	60.5	53	47.1	21.7	1035	3.75	5.6	.3	4.3	1.6	19.1	.14	.47	.10	137	1.20	.028	7.8	74.0	1.30	220.8	.405	3	2.58	.016	.03	<.2	.02	44	.5	.05	8.1
GEBD-18091	.51	104.03	6.37	64.5	93	77.6	43.3	843	3.30	10.2	.3	3.8	2.1	15.2	.14	.65	.09	94	.59	.041	9.4	63.1	.82	96.0	.224	2	3.06	.009	.03	<.2	.03	75	.7	.02	5.4
GEBD-18081	.28	41.67	4.71	47.8	40	42.0	19.2	570	3.12	3.5	.2	2.8	2.2	13.4	.10	.46	.06	108	.87	.042	6.8	63.0	.96	176.0	.318	2	2.29	.012	.04	<.2	.03	24	.4	.02	6.5
GEBD-18027	.85	141.00	12.68	110.8	124	118.0	34.6	1779	4.55	32.1	.2	16.5	3.1	27.2	.18	2.02	.25	103	.94	.048	13.9	79.1	1.91	1464.7	.181	3	2.44	.011	.07	<.2	.05	115	.5	.06	7.1
GEBD-18086	.42	34.60	3.36	55.3	40	48.5	23.0	430	4.21	2.8	.2	2.2	1.2	15.5	.15	.36	.08	148	.70	.048	3.7	83.4	.99	138.0	.405	1	3.28	.011	.02	<.2	.02	49	.4	.07	8.6
GEBD-18083	.70	36.38	3.86	67.7	54	38.1	18.0	606	4.11	3.5	.2	3.2	1.2	14.5	.21	.36	.08	137	.76	.042	5.6	76.7	.94	142.6	.361	2	3.29	.010	.02	<.2	.02	81	.6	.05	8.0
GEBD-18033 S-1	1.02	29.08	8.46	50.2	37	11.7	12.5	456	3.85	1.9	.5	.9	2.8	42.8	.10	.09	.14	157	.44	.041	11.8	40.7	.52	86.4	.373	1	4.01	.101	.06	.2	.13	34	.4	.04	10.1
GEBD-18096	.28	33.26	3.41	50.4	26	37.6	19.2	767	3.26	2.4	.1	3.2	1.0	13.7	.10	.29	.06	134	1.17	.012	4.3	63.3	1.16	123.4	.443	2	2.26	.017	.02	<.2	<.02	19	.3	.05	7.7
GEBD-18092	.34	76.71	3.30	54.3	49	67.8	35.3	770	4.26	6.5	.2	5.5	1.0	22.8	.13	.91	.05	125	1.13	.035	4.6	71.2	1.32	72.2	.380	2	3.19	.016	.02	<.2	<.02	45	.5	.03	8.2
RE GEBD-18092	.36	79.69	3.36	58.5	50	71.0	37.4	785	4.33	6.8	.2	2.3	1.1	23.9	.14	.90	.05	128	1.20	.036	4.9	72.9	1.34	73.8	.394	2	3.26	.016	.02	<.2	<.02	41	.6	<.02	8.8
GEBD-18035	.33	34.37	5.26	51.5	23	36.5	18.4	756	3.05	2.5	.2	3.3	1.7	14.4	.16	.29	.07	121	.98	.024	7.1	58.8	1.02	181.7	.380	2	2.22	.013	.03	<.2	.02	22	.4	.03	6.9
GEBD-18087	.71	110.00	4.04	78.6	60	106.6	55.1	987	5.73	30.8	.2	2.1	.7	9.1	.17	1.39	.07	193	1.22	.060	2.9	141.6	1.92	166.7	.394	2	5.86	.006	.03	<.2	.02	70	.8	.03	14.0
GEBD-18023	.43	57.62	7.57	52.6	30	71.6	24.3	1167	3.52	12.8	.2	8.2	2.0	15.2	.09	.85	.10	114	.63	.013	9.7	83.1	1.58	405.1	.283	2	2.37	.008	.03	<.2	.03	29	.4	.04	6.8
GEBD-18032	.79	50.43	5.47	58.4	60	37.0	15.3	530	3.91	3.9	.4	2.6	1.3	11.2	.14	.32	.07	135	.57	.041	6.6	80.4	.99	160.3	.350	1	3.32	.008	.02	<.2	.03	122	.7	.04	8.1
GEBD-18085	1.02	107.83	7.95	75.1	194	50.3	19.8	666	4.24	4.2	.4	1.6	1.5	23.3	.28	.47	.17	176	.68	.047	11.0	94.6	.94	138.1	.221	1	3.11	.008	.04	<.2	.05	52	.5	.04	11.2
GEBD-18088	.46	37.41	4.17	75.2	48	54.1	28.9	550	4.08	3.3	.2	2.6	1.2	174.6	.14	.37	.06	135	.84	.042	4.1	82.1	1.17	366.0	.376	1	3.58	.015	.03	<.2	.02	41	.5	.05	8.1
GEBD-18038	.58	82.81	3.80	52.9	165	31.9	19.9	617	4.09	3.2	.4	4.9	1.0	19.1	.27	.31	.08	132	.85	.037	8.7	68.6	.95	200.4	.399	1	3.37	.013	.02	<.2	.03	92	.6	.03	8.1
GEBD-18090	.77	44.31	4.16	65.7	79	35.4	18.5	522	4.62	7.4	.3	.7	1.2	21.6	.20	.53	.09	154	.71	.043	5.6	72.7	.75	44.6	.353	1	2.96	.008	.02	<.2	.02	64	.5	.02	7.8
GEBD-18031	.58	105.71	10.54	77.6	49	109.0	28.9	1299	4.21	16.0	.3	7.3	2.4	20.2	.13	1.10	.13	117	.89	.042	9.9	95.9	1.75	592.5	.237	2	2.56	.011	.07	<.2	.04	68	.3	.06	7.9
STANDARD DS2	13.95	127.22	32.92	148.9	254	34.7	12.1	818	3.04	59.9	19.3	193.7	3.5	25.3	10.24	9.83	11.24	72	.49	.088	15.4	151.1	.58	147.2	.087	2	1.62	.027	.14	7.6	1.83	253	2.4	1.80	5.6

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ___ 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
GEBD-18097	.44	85.27	9.20	77.7	41	65.5	28.8	1409	4.80	15.9	.3	8.6	2.0	20.6	.15	.80	.19	156	1.20	.034	7.2	98.2	1.58	433.3	.406	3	3.14	.021	.11	.2	.04	37	.4	.06	9.9
GEBD-18093	.33	78.87	4.55	53.0	100	71.1	28.6	730	3.43	5.5	.3	2.5	1.5	18.7	.13	.55	.07	104	.98	.050	7.3	72.4	1.00	129.5	.287	2	3.01	.013	.04	<.2	.02	61	.5	.02	6.6
GEBD-18095	.46	40.86	4.38	47.0	95	44.7	30.2	533	3.51	5.5	.3	1.5	1.6	14.5	.10	.49	.07	102	.79	.037	6.6	65.0	.82	66.9	.292	2	2.99	.010	.02	<.2	.02	58	.6	.02	6.7
GEBD-18022	.69	46.63	5.44	75.1	655	88.4	26.1	689	4.42	9.1	.3	3.9	1.4	19.1	.73	.61	.09	126	.71	.068	7.0	98.6	1.50	322.5	.263	3	3.42	.010	.03	<.2	.04	106	.7	.02	8.5
GEBD-18024	.64	93.36	11.96	76.3	93	99.1	28.6	1191	4.50	20.1	.3	22.1	2.5	30.0	.14	2.05	.12	127	1.11	.033	13.8	103.0	1.69	529.3	.269	3	2.87	.011	.06	<.2	.05	100	.5	.05	8.6
GEBD-18084	.87	115.79	5.09	77.9	102	70.5	22.3	832	4.16	4.3	.4	3.5	1.1	25.8	.18	.66	.10	132	1.02	.068	9.2	92.6	1.18	93.1	.274	2	2.76	.011	03	<.2	.03	67	.6	.03	8.6
GEBD-18030	.36	96.43	6.93	76.2	80	108.7	36.6	1220	4.86	10.1	.2	7.7	1.6	56.1	.18	.86	.13	131	2.79	.061	7.9	89.7	2.34	560.2	.288	5	3.07	.023	.12	.2	.03	57	.3	.06	9.3
GEBD-18028	.86	121.02	11.64	95.9	78	113.5	35.4	1722	4.88	21.0	.3	10.2	2.6	25.1	.25	1.42	.18	134	1.03	.050	12.3	98.1	1.87	705.9	.267	4	2.74	.019	.13	.2	.05	81	.4	.10	9.0
GEBD-18040	.43	28.03	5.66	85.9	31	36.5	17.5	547	3.93	3.3	.3	1.7	1.7	13.2	.16	.30	.09	125	.72	.052	11.3	71.1	.84	171.8	.312	2	2.51	.011	.03	<.2	.03	40	.4	.06	7.7
GEBD-18029	.42	78.79	7.44	65.5	42	89.9	25.0	1008	4.38	8.4	.3	7.5	1.8	23.0	.14	.80	.09	133	.85	.020	8.7	110.4	1.72	564.0	.289	4	3.17	.013	.06	<.2	.04	62	.4	.05	8.7
GEBD-18094	.57	55.74	3.77	57.4	75	40.5	14.8	428	4.48	2.5	.3	1.4	1.0	18.6	.16	.40	.08	122	.83	.051	6.8	73.5	.83	87.7	.304	1	2.72	.011	.02	<.2	.02	69	.5	.02	7.5
GEBD-18025	.59	122.46	13.93	101.3	95	168.4	36.6	1583	4.89	21.0	.2	17.0	2.4	32.9	.18	2.09	.16	120	.95	.044	11.8	101.2	2.25	1245.2	.242	4	2.71	.015	.14	.2	.06	141	.4	.15	8.4
GEBD-18021	.71	47.32	5.53	78.3	678	88.9	26.7	695	4.42	9.0	.3	3.6	1.4	20.7	.78	.62	.10	127	.76	.071	7.9	100.6	1.52	331.7	.278	3	3.44	.010	.04	<.2	.04	103	.6	.05	8.9
GEBD-18034	.71	40.84	4.54	54.2	53	37.8	14.0	463	3.73	2.2	.4	2.1	1.1	12.6	.17	.40	.09	132	.72	.044	7.3	78.2	.85	171.0	.340	1	3.17	.012	.02	<.2	.03	87	.6	.05	8.0
GEBD-18100	.54	44.93	3.18	68.0	102	45.5	21.2	607	4.85	2.8	.2	2.8	1.0	16.2	.18	.44	.07	162	1.18	.046	4.9	81.3	1.26	93.5	.463	3	3.29	.022	.02	<.2	.02	75	.5	.04	9.9
GEBD-18099 TILL-4	14.45	236.18	40.55	61.0	166	15.4	6.2	286	3.24	109.5	2	3	4.7	11.4	9.9	.13	.73	46.35	42	.11	.074	27.4	26.0	.50	77.6	.121	2	1.82	.023	.32	128.0	.31	10	.7	.21	6.1
PPD-18041	.32	78.63	5.81	44.4	25	33.3	13.9	648	2.70	6.9	.2	4.4	1.8	18.5	.09	.48	.10	88	.90	.035	5.5	47.1	.92	95.5	.254	2	1.64	.010	.02	.9	.02	26	.2	.05	5.2
PPD-18045	.33	43.92	6.30	49.6	81	39.3	18.8	653	3.67	5.1	.3	2.0	2.3	10.5	.14	.33	.11	100	.51	.043	8.4	77.2	.88	123.8	.252	1	2.52	.007	.05	.3	.04	50	.4	.03	6.9
PPD-18043	.24	69.66	5.20	47.5	16	39.3	18.8	825	3.16	6.1	.2	3.7	1.8	17.6	.09	.43	.09	106	.85	.038	6.4	62.4	.99	109.1	.295	2	2.15	.010	.02	.2	.02	22	.3	.04	6.8
RE PPD-18042	.35	80.18	6.24	50.0	24	39.3	15.6	704	2.81	7.5	.2	4.7	1.9	19.5	.10	.49	.11	93	.95	.035	5.8	56.5	.95	101.9	.264	2	1.70	.009	.03	.2	.02	29	.2	.04	5.6
PPD-18042	.35	81.35	6.40	50.6	25	40.2	15.6	718	2.87	7.8	.2	4.7	1.9	20.3	.10	.51	.10	95	.97	.038	6.2	55.9	.97	104.7	.272	2	1.76	.010	.03	<.2	.02	41	.3	.03	5.9
PPD-18044	.37	54.58	7.41	64.8	18	55.8	21.1	938	3.76	5.8	.3	2.9	3.8	22.9	.13	.47	.11	105	.96	.052	11.9	89.6	1.15	157.3	.274	2	2.48	.015	.17	.2	.04	34	.2	.03	7.6
PPD-18046	.44	80.97	3.17	44.3	16	65.5	22.3	800	3.65	1.8	.1	3.0	1.1	16.7	.07	.26	.07	114	1.17	.050	4.3	68.0	1.52	79.3	.324	3	2.68	.009	.02	<.2	<.02	18	.3	.03	8.5
RCPD-18055	.42	71.44	5.20	66.1	58	67.0	29.5	953	4.37	2.2	.3	3.3	1.2	18.0	.14	.36	.07	135	1.14	.025	6.6	88.0	1.37	217.2	.388	2	2.92	.022	.03	<.2	.02	39	.6	.03	9.1
RCPD-18057	.34	46.55	3.17	63.1	72	57.4	26.2	566	3.98	2.9	.2	1.4	1.5	12.2	.12	.43	.06	134	.94	.057	5	1	86.4	1.14	137.9	.360	2	2.95	.014	.03	<.2	.02	39	.4	.02	8.2
RCPD-18054	.35	132.30	5 09	81.9	28	78.7	42.4	1146	4.56	14.9	.2	3.1	1.4	19.3	.16	.97	.06	152	1.21	.050	5.8	94.9	1.65	134.4	.398	2	2.82	.025	.03	<.2	.02	19	.5	.03	9.1
RCPD-18059	.52	46.50	8.23	63.8	28	75.2	18.1	688	3.35	4.8	.4	2.5	4.6	20.1	.13	.44	.13	87	.68	.051	15.9	127.5	.90	299.9	.217	2	2.25	.015	.18	<.2	.05	37	.3	.03	6.1
RCPD-18051	.38	179.55	4.85	85.0	115	78.1	31.3	986	4.67	7.5	.3	.3	1.5	33.7	.24	.72	.08	161	1.23	.033	8.9	91.3	1.28	101.0	.347	2	2.94	.017	.04	<.2	.03	41	.7	.04	9.2
RCPD-18053	.42	130.96	4.40	120.6	21	107.0	55.6	1533	6.82	3.7	.1	1.7	1.2	16.8	.20	.87	.08	218	1.54	.064	4.8	138.5	2.12	338.0	.483	2	4.93	.027	.05	<.2	.03	22	.6	.02	15.1
RCPD-18048	.22	37.89	4.32	48.7	17	44.7	16.8	626	3.20	2.1	.2	2.2	1.9	16.4	.08	.36	.07	114	.97	.029	7.5	69.7	1.07	208.4	.335	2	2.36	.016	.03	<.2	.03	16	.3	.02	7.0
RCPD-18056	.30	46.72	3.14	59.3	15	56.6	26.4	825	4.09	1.2	.1	2.7	1.1	22.7	.12	.32	.05	154	1.36	.014	4.8	88.1	1.41	311.1	.499	2	2.92	.024	.03	<.2	<.02	15	.4	.02	9.3
RCPD-18049	.26	66.25	3.01	66.9	46	60.5	29.5	812	4.51	2.3	.1	1.0	1.1	19.7	.21	.49	.04	153	1.25	.045	5.0	82.3	1.42	122.0	.437	3	3.24	.021	.03	<.2	.02	25	.5	.04	9.8
RCPD-18047	.35	91.55	5.67	77.3	45	72.1	27.0	1006	4.32	3.9	.1	5.5	1.6	41.1	.17	.56	.09	137	1.25	.055	6.9	106.9	1.39	403.0	.352	2	2.60	.025	.10	<.2	.02	33	.3	.05	8.7
STANDARD OS2	*13.77*	*126.06*	*32.20*	*157.6*	*264*	*35.2*	*11.4*	*792*	*3.08*	*56.5*	*18.7*	*211.3*	*3.4*	*26.8*	*10.57*	*10.06*	*10.56*	*71*	*.49*	*.088*	*15.3*	*152.7*	*.57*	*141.3*	*.086*	*1*	*1.58*	*.028*	*.14*	*7.7*	*1.80*	*245*	*2.3*	*1.80*	*5.8*

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data k 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
RCPD-18052	.61	52.70	5.31	63.0	55	57.3	33.9	782	3.99	6.6	.3	1.7	1.6	15.8	.15	.65	.08	117	.73	.042	6.7	70.3	.97	72.2	.273	1	2.94	.010	.03	<.2	.03	56	.5	.04	7.2
RCPD-18058	.34	62.36	3.84	56.4	27	71.4	36.5	918	3.95	5.5	.2	33.4	1.1	23.4	.11	.90	.06	127	1.17	.020	3.5	83.5	1.40	74.2	.397	2	2.53	.011	.02	<.2	.02	11	.4	.02	8.2
RCPD-18050	.43	88.73	5.50	52.5	89	76.5	30.0	868	3.79	20.4	.3	12.4	1.9	26.2	.18	.87	.08	104	.88	.049	8.6	85.8	1.10	152.0	.211	1	2.35	.010	.03	<.2	.03	58	.6	.02	6.0
RCPD-18060	.68	57.21	7.17	56.1	183	41.7	16.9	508	3.52	9.2	.5	3.0	1.7	16.9	.14	.59	.11	115	.73	.048	10.6	70.5	.71	112.1	.214	1	2.07	.008	.02	<.2	.03	63	.7	.02	6.7
RE RCPD-18060	.71	57.66	7.35	55.7	190	41.3	16.8	512	3.55	9.0	.5	1.8	1.7	17.0	.14	.61	.11	115	.73	.046	10.5	66.7	.71	113.6	.209	1	2.07	.008	.02	<.2	.03	68	.6	<.02	6.7
STANDARD DS2	14.15	125.46	31.93	158.2	267	35.5	11.9	832	3.10	57.0	18.8	194.0	3.4	26.5	10.55	9.87	10.80	76	.52	.091	14.9	155.9	.60	146.1	.085	2	1.66	.029	.15	7.6	1.78	232	2.3	1.82	5.8

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ___ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003056 Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GSMD-18064	.97	<.1	.31	1.29	4.3	6.2	.9	.02	<.05	12.5	11.41	13.9	.04	<1	.4	15.4	30
GSMD-18076	1.50	.2	.66	.11	2.2	14.4	.8	.02	<.05	18.8	18.47	18.8	.04	<1	.3	15.1	30
GSMD-18062	.72	.1	.17	1.16	3.8	6.0	.8	.02	<.05	7.3	12.70	17.9	.04	<1	.3	15.4	30
GSMD-18003	.53	.1	.09	.29	4.1	3.2	.3	<.01	<.05	4.7	6.59	41.0	.02	1	.3	23.9	30
GSMD-18017	1.89	.1	.31	.23	3.2	13.1	.7	<.01	<.05	12.6	15.63	21.0	.04	<1	.4	26.0	30
GSMD-18019	.93	.1	.38	.12	5.0	9.6	.6	<.01	<.05	13.9	15.27	23.5	.04	<1	.3	19.5	30
GSMD-18012	.96	.1	.08	.88	9.9	3.5	.6	.02	<.05	4.4	6.94	29.4	.05	<1	.5	27.0	30
GSMD-18078	2.76	.1	<.02	.42	6.1	24.1	.4	.02	<.05	1.0	38.14	26.0	.07	2	.5	24.7	30
GSMD-18063	.61	.1	.18	1.29	3.2	4.6	.6	.02	<.05	9.0	8.68	14.2	.06	<1	.4	14.9	30
GSMD-18009	.56	.1	.14	.63	2.5	4.6	.5	.01	<.05	5.9	11.49	16.5	.05	<1	.4	15.0	30
GSMD-18015	1.40	.1	.13	.95	4.4	6.7	.6	.01	<.05	7.1	12.49	18.8	.08	<1	.4	18.8	30
GSMD-18005	.66	.1	.21	.09	2.8	8.2	.3	<.01	<.05	8.0	12.28	25.2	.08	<1	.3	19.9	30
GSMD-18002	.66	.2	.20	.11	4.9	5.8	.3	<.01	<.05	8.4	9.33	39.0	.08	2	.4	22.2	30
GSMD-18070	.76	.1	.13	1.20	4.2	4.2	.7	.01	<.05	6.2	8.93	15.5	.10	1	.4	17.8	30
GSMD-18001	.53	.1	.21	.20	3.2	3.9	.3	<.01	<.05	7.8	7.66	37.4	.09	1	.4	20.0	30
GSMD-18075	.65	.1	.12	1.42	3.3	4.3	.8	.02	<.05	5.0	9.17	14.5	.10	1	.3	19.1	30
GSMD-18061	.84	.1	.14	1.23	4.6	6.4	.7	.02	<.05	5.2	13.36	17.3	.11	<1	.4	15.2	30
GSMD-18004	.67	.2	.20	.12	3.6	6.8	.3	<.01	<.05	8.1	11.49	36.2	.09	<1	.5	21.3	30
RE GSMD-18004	.64	.1	.21	.12	3.5	6.6	.3	<.01	<.05	7.7	11.21	36.7	.08	<1	.5	21.3	30
GSMD-18016	.94	.1	.13	.30	4.1	5.1	.5	<.01	<.05	6.3	7.74	27.2	.07	<1	.3	26.0	30
GSMD-18073	1.03	.1	.35	.97	4.4	5.9	.7	.02	<.05	12.8	9.53	10.9	.09	1	.4	17.0	30
GSMD-18066 S-1	1.32	.2	.71	.54	4.8	8.8	1.3	.02	<.05	37.6	14.87	30.0	.09	2	.8	10.8	30
GSMD-18079	.78	.1	.20	.74	3.8	6.0	.9	.02	<.05	8.7	10.61	17.7	.07	1	.5	17.6	30
GSMD-18072	.75	.1	.23	.98	4.0	5.0	.6	.02	<.05	9.8	7.89	12.1	.07	<1	.5	19.5	30
GSMD-18010	1.13	.1	.07	1.32	6.8	3.5	.7	.02	<.05	3.6	7.08	21.5	.06	<1	.4	22.3	30
GSMD-18065	.88	.1	.15	.21	3.9	7.6	.3	.01	<.05	4.8	11.91	33.8	.03	<1	.5	21.5	30
GSMD-18006	.88	.1	.17	1.16	4.9	6.9	.7	.03	<.05	8.1	12.59	15.5	.05	<1	.5	17.0	30
GSMD-18074	.85	.1	.14	1.15	3.7	5.2	.7	.03	<.05	6.1	10.04	16.7	.04	<1	.4	15.8	30
GSMD-18013	2.56	.1	.16	.89	3.9	7.3	.4	.02	<.05	6.7	16.04	32.9	.03	2	.8	22.3	30
GSMD-18068	.58	.1	.23	1.13	4.0	5.2	.7	.02	<.05	9.7	10.71	14.7	.03	<1	.4	14.9	30
GSMD-18007	.93	.1	.11	.85	5.1	3.3	.4	.02	<.05	3.4	7.51	26.3	.02	<1	.4	19.2	30
GSMD-18067	.53	.1	.26	1.55	2.6	4.6	.7	.03	<.05	10.4	10.04	13.7	.03	<1	.3	13.3	30
GSMD-18008	2.24	.1	.12	.56	5.6	4.2	.4	.01	<.05	4.7	8.74	25.4	.02	<1	.5	21.0	30
STANDARD DS2	3.35	.1	.02	1.32	12.7	2.7	25.9	.03	<.05	2.7	7.68	28.4	5.58	2	.5	13.8	30

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: TILL S230 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 16 2000 DATE REPORT MAILED: Sept 2/00 SIGNED BY: D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data / FA

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GSMD-18014	2.93	.1	.16	.16	3.8	19.2	.5	.01	<.05	7.0	23.99	21.5	.05	<1	.3	26.7	30
GSMD-18069	.76	<.1	.17	.85	5.4	5.0	.6	.01	<.05	7.4	8.87	17.6	.03	1	.4	17.5	30
GSMD-18011	.65	.1	.17	.48	4.1	4.6	.5	.01	<.05	7.4	9.44	22.2	.03	<1	.4	20.1	30
GSMD-18080	1.20	.1	.30	.67	1.4	9.1	.9	.03	<.05	12.4	18.78	18.5	.04	<1	.8	13.4	30
GSMD-18018	1.66	.1	.24	.85	2.0	6.6	.8	.02	<.05	10.8	11.08	13.6	.05	<1	.5	18.6	30
GSMD-18071	.84	.1	.24	.85	5.5	6.6	.7	.02	<.05	11.0	10.35	17.4	.04	<1	.4	14.7	30
GSMD-18077	1.37	.1	.05	1.03	7.1	5.1	.9	.03	<.05	4.3	9.98	13.4	.07	<1	.4	15.7	30
GSMD-18020	.83	.1	.28	.14	5.7	9.5	.5	.01	<.05	12.5	12.01	23.9	.04	2	.3	19.8	30
GEBD-18098	.73	.1	.28	.70	2.9	6.4	.8	.02	<.05	13.1	12.66	15.1	.06	<1	.4	17.6	30
GEBD-18039	.63	.1	.23	.95	3.2	6.1	.8	.01	<.05	10.1	11.84	15.1	.07	<1	.4	12.9	30
GEBD-18036	.70	.1	.22	1.16	3.3	5.3	.8	.02	<.05	9.8	10.50	15.4	.06	<1	.5	15.3	30
GEBD-18026	1.10	.1	.17	.26	4.9	9.0	.6	.01	<.05	9.0	13.61	27.8	.08	<1	.3	20.9	30
GEBD-18082	.51	.1	.23	.48	3.7	5.0	.6	.01	<.05	10.6	8.77	17.3	.08	<1	.4	14.0	30
GEBD-18089	2.41	.1	.08	.61	2.8	9.8	.4	.04	<.05	4.4	25.30	23.4	.09	<1	.3	18.4	30
GEBD-18037	1.42	.1	.21	.71	2.7	6.4	.8	.01	<.05	9.0	14.73	22.6	.10	<1	.4	16.1	30
GEBD-18091	1.34	.1	.15	.79	3.1	7.0	.4	.02	<.05	7.3	15.20	39.0	.10	<1	.5	18.2	30
GEBD-18081	.52	.1	.24	.49	3.6	5.0	.6	.01	<.05	10.5	8.85	17.7	.10	<1	.2	13.9	30
GEBD-18027	1.30	.2	.20	.06	4.4	7.8	.4	.02	<.05	13.0	13.00	29.0	.21	<1	.2	20.5	15
GEBD-18086	1.03	.1	.34	.85	3.3	5.1	.9	.02	<.05	13.9	7.99	9.2	.12	<1	.4	16.5	30
GEBD-18083	.93	.1	.19	1.62	3.9	5.2	.6	.03	<.05	10.5	8.81	12.9	.12	1	.4	15.2	30
GEBD-18033 S-1	1.27	.2	.66	.47	4.6	8.9	1.4	.01	<.05	37.5	14.32	30.5	.12	<1	.7	10.3	30
GEBD-18096	.36	.1	.30	.57	2.2	4.6	.8	<.01	<.05	11.8	9.48	11.4	.09	<1	.2	12.5	30
GEBD-18092	.76	.1	.32	.76	1.6	6.6	.9	.01	<.05	13.0	14.43	22.5	.09	1	.6	13.6	30
RE GEBD-18092	.79	.1	.34	.80	1.7	6.7	.7	.02	<.05	13.7	15.16	23.0	.09	<1	.5	14.3	30
GEBD-18035	.42	.1	.24	.66	2.7	4.2	.7	.01	<.05	9.3	8.93	16.4	.07	1	.3	12.5	30
GEBD-18087	1.24	.1	.57	.82	3.4	11.9	1.1	.03	<.05	21.1	12.20	9.4	.10	<1	.7	19.0	30
GEBD-18023	.75	.1	.18	.44	3.5	6.1	.5	<.01	<.05	8.0	8.44	24.5	.06	<1	.4	18.4	30
GEBD-18032	1.13	.1	.17	1.44	4.4	6.5	.7	.02	<.05	8.2	10.57	14.7	.06	<1	.5	15.2	30
GEBD-18085	1.75	.1	.06	1.50	6.0	9.4	.9	.03	<.05	5.0	23.45	17.7	.07	2	.8	23.3	30
GEBD-18088	1.32	.1	.31	1.04	3.8	4.9	.7	.02	<.05	11.8	7.17	9.8	.03	2	.4	15.0	30
GEBD-18038	1.04	.1	.27	1.51	2.7	7.3	.8	.03	<.05	11.2	20.04	15.6	.04	3	.6	11.8	30
GEBD-18090	1.44	.1	.19	1.36	3.3	5.4	.8	.03	<.05	10.1	10.98	14.3	.04	<1	.5	16.8	30
GEBD-18031	1.09	.1	.26	.13	3.8	10.5	.5	.01	<.05	10.8	14.28	19.4	.03	<1	.3	18.4	30
STANDARD DS2	3.27	.1	.05	1.37	12.6	2.8	25.4	.03	<.05	2.6	7.55	27.9	5.34	<1	.4	15.0	30

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GEBD-18097	.82	.1	.44	.26	4.1	9.2	.8	.01	<.05	15.3	10.95	21.2	.04	<1	.4	15.0	15.0
GEBD-18093	1.06	.1	.21	.82	3.1	7.0	.5	.02	<.05	8.5	16.24	29.7	.03	<1	.4	14.7	30.0
GEBD-18095	1.24	.1	.26	.94	3.2	5.8	.7	.02	<.05	11.0	14.60	20.8	.03	<1	.5	13.0	30.0
GEBD-18022	1.48	.1	.16	1.37	4.9	6.3	.7	.02	<.05	8.5	9.61	16.6	.03	<1	.4	19.7	30.0
GEBD-18024	1.16	.1	.25	.35	5.1	12.7	.7	.02	<.05	10.0	17.52	23.6	.05	<1	.4	21.6	30.0
GEBD-18084	2.52	.1	.06	.86	4.0	11.2	.7	.04	<.05	5.0	21.97	20.0	.06	<1	.6	19.3	30.0
GEBD-18030	1.58	.2	.32	.13	3.4	8.6	.7	.01	<.05	10.9	13.29	17.2	.07	<1	.4	24.8	30.0
GEBD-18028	1.44	.2	.24	.13	5.0	10.5	.6	.02	<.05	10.5	16.15	25.2	.07	<1	.5	21.1	30.0
GEBD-18040	.70	.1	.09	.93	5.3	4.8	1.3	.02	<.05	5.0	10.55	22.8	.08	<1	.3	17.3	30.0
GEBD-18029	1.24	.1	.16	1.05	5.2	8.5	.5	.02	<.05	7.7	9.74	20.2	.10	<1	.4	22.0	30.0
GEBD-18094	1.34	.1	.16	1.19	2.8	5.6	1.0	.04	<.05	7.8	13.54	18.8	.11	<1	.3	15.6	30.0
GEBD-18025	1.67	.2	.27	.15	4.7	10.3	.5	.01	<.05	10.5	14.84	24.4	.13	2	.4	21.1	30.0
GEBD-18021	1.51	.1	.11	1.47	5.3	6.5	.7	.02	<.05	6.3	9.95	17.7	.12	<1	.4	20.3	30.0
GEBD-18034	.84	.1	.13	1.51	3.1	4.9	.7	.04	<.05	8.0	9.44	19.4	.12	1	.3	15.7	30.0
GEBD-18100	.94	.1	.28	1.10	3.2	6.6	.8	.02	<.05	14.8	13.50	12.2	.11	<1	.4	17.1	30.0
GEBD-18099 TILL-4	8.15	.1	.06	2.18	33.3	3.5	6.3	.06	<.05	4.2	7.49	46.5	.39	<1	1.0	22.7	7.5
PPD-18041	.66	.2	.29	.15	1.4	5.7	.5	.01	<.05	11.4	10.43	12.8	.09	1	.3	12.3	30.0
PPD-18045	1.00	.1	.10	.76	4.8	5.4	.7	.02	<.05	7.0	9.41	20.8	.09	1	.4	18.0	30.0
PPD-18043	.83	.1	.26	.28	2.1	6.0	.6	.01	<.05	10.5	10.17	18.1	.08	1	.3	13.1	30.0
RE PPD-18042	.64	.1	.27	.14	1.6	6.2	.5	.01	<.05	11.7	10.84	13.4	.08	<1	.3	12.9	30.0
PPD-18042	.66	.1	.34	.16	1.7	6.5	.6	<.01	<.05	12.6	11.19	14.4	.08	<1	.2	13.5	30.0
PPD-18044	.92	.1	.34	.21	5.7	9.6	.5	.01	<.05	15.4	13.31	25.3	.07	<1	.4	19.5	30.0
PPD-18046	.69	.2	.36	.33	1.0	5.3	.8	.01	<.05	12.9	12.42	16.5	.06	<1	.3	9.2	30.0
RCPD-18055	.74	.1	.26	.91	3.1	7.4	.7	.02	<.05	10.8	16.24	19.4	.07	2	.4	16.3	30.0
RCPD-18057	.80	.1	.29	.54	3.5	6.4	.7	.01	<.05	13.8	10.07	12.8	.05	3	.3	14.2	30.0
RCPD-18054	1.51	.2	.36	.24	2.0	8.3	.7	.01	<.05	15.0	15.49	24.4	.05	<1	.4	27.4	30.0
RCPD-18059	.59	.1	.14	.32	6.0	8.2	.5	<.01	<.05	8.1	12.07	34.5	.03	1	.3	20.1	30.0
RCPD-18051	1.33	.1	.24	.91	3.5	11.9	.6	.02	<.05	11.0	24.38	21.0	.05	<1	.6	18.3	30.0
RCPD-18053	1.31	.1	.46	.29	3.6	11.1	1.0	.01	<.05	18.1	15.98	17.9	.04	1	.5	23.4	30.0
RCPD-18048	.49	.1	.26	.37	2.6	5.5	.6	<.01	<.05	10.3	9.51	17.8	.03	3	.2	14.3	30.0
RCPD-18056	.54	.1	.49	.59	1.9	6.2	.8	.01	<.05	17.4	11.40	14.7	.03	2	.3	14.5	30.0
RCPD-18049	.91	.1	.28	.64	2.8	7.0	.8	.01	<.05	12.5	13.06	14.9	.04	2	.4	14.9	30.0
RCPD-18047	.85	.1	.46	.12	2.8	10.3	.6	<.01	<.05	14.1	15.28	15.7	.03	<1	.4	14.3	30.0
STANDARD DS2	3.37	.1	<.02	1.26	13.0	2.8	25.9	.03	<.05	2.6	7.59	29.8	5.56	2	.5	14.3	30.0

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
RCPD-18052	1.25	.1	.22	1.05	3.3	6.3	.6	.02	<.05	10.0	14.41	19.1	.05	<1	.4	15.6	30
RCPD-18058	.80	.1	.34	.51	2.0	5.1	.7	.02	<.05	12.5	10.53	12.8	.04	1	.3	15.3	30
RCPD-18050	.92	.1	.14	.56	3.4	10.7	.5	.01	<.05	6.3	22.13	26.7	.04	<1	.4	15.8	30
RCPD-18060	.77	.1	.11	.91	5.0	8.3	.6	.02	<.05	5.5	26.12	22.9	.03	2	.6	14.6	30
RE RCPD-18060	.77	<.1	.08	.88	5.0	8.4	.6	.02	<.05	5.3	25.55	23.2	.03	3	.4	13.9	30
STANDARD DS2	3.16	.1	.03	1.33	12.9	2.7	25.9	.01	<.05	2.8	7.59	28.7	5.31	1	.6	14.0	30

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA ___

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

WHOLE ROCK ICP ANALYSIS

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003056R Page 1

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GSMD-18064	57.73	12.11	8.96	2.76	2.88	1.72	.75	1.70	.15	.09	.018	589	44	129	171	28	<10	21	11.4	2.07	.02	100.38
GSMD-18076	53.26	13.28	11.34	5.06	5.23	1.88	.69	1.51	.11	.20	.027	485	125	123	111	31	<10	34	7.5	.20	<.01	100.20
GSMD-18062	59.44	11.20	8.29	3.39	3.39	1.76	.71	1.49	.12	.16	.021	957	52	125	139	27	<10	21	10.2	2.14	<.01	100.32
GSMD-18003	64.48	13.66	6.89	2.83	1.86	1.62	1.91	1.18	.14	.10	.015	1400	60	115	174	25	<10	17	4.9	.30	<.01	99.79
GSMD-18017	57.19	12.55	9.37	4.61	4.48	2.04	.58	1.44	.11	.19	.031	399	67	119	155	29	<10	32	7.5	.64	.01	100.19
GSMD-18019	63.10	11.71	7.58	3.48	3.73	1.91	.99	1.22	.14	.14	.024	432	68	129	167	29	<10	24	6.0	.23	<.01	100.13
GSMD-18012	61.61	12.46	7.76	2.79	2.15	1.43	1.15	1.34	.17	.09	.015	1191	57	93	207	26	<10	18	8.8	1.49	.01	99.95
GSMD-18078	53.42	15.25	9.75	2.34	1.72	1.46	1.35	1.31	.14	.28	.020	658	116	147	139	52	<10	45	12.8	2.29	.03	99.98
GSMD-18063	55.44	11.52	7.68	3.36	3.76	1.75	.63	1.40	.14	.10	.021	630	59	118	152	24	<10	22	14.4	3.74	.03	100.32
GSMD-18009	58.43	12.20	8.50	4.23	5.10	1.90	.94	1.50	.19	.15	.024	793	69	135	141	33	<10	28	6.8	1.11	<.01	100.10
GSMD-18015	57.36	11.86	6.87	2.35	2.56	1.66	.79	1.31	.23	.09	.053	360	703	117	304	29	<10	20	14.8	3.35	.04	100.12
GSMD-18005	64.18	13.09	7.61	3.09	2.70	1.87	1.57	1.24	.17	.14	.016	1286	75	142	168	34	<10	25	4.1	.12	.02	99.98
GSMD-18002	61.88	14.99	7.48	2.96	1.89	1.67	2.40	1.14	.17	.12	.019	1427	68	131	154	29	11	21	5.0	.15	<.01	99.93
GSMD-18070	58.03	11.69	8.12	2.59	2.64	1.75	.96	1.56	.17	.08	.020	667	51	140	194	26	<10	18	12.4	2.90	.01	100.14
GSMD-18001	63.94	12.80	7.97	3.03	2.55	1.71	1.68	1.24	.10	.11	.016	1194	50	124	183	31	<10	20	4.4	.17	<.01	99.73
GSMD-18075	56.35	11.05	8.60	2.52	3.00	1.65	.67	1.57	.16	.09	.019	610	54	129	170	26	<10	17	14.3	3.62	<.01	100.10
GSMD-18061	57.72	11.26	8.37	2.89	2.88	1.66	.77	1.48	.20	.15	.021	905	49	124	165	29	<10	21	12.6	3.03	.01	100.15
GSMD-18004	62.36	14.01	7.77	3.10	2.50	1.67	2.04	1.20	.13	.14	.018	1346	70	132	168	31	<10	23	4.8	.14	.01	99.94
RE GSMD-18004	62.24	14.05	7.76	3.11	2.50	1.66	2.01	1.20	.16	.14	.013	1356	58	132	171	33	<10	24	4.9	.13	<.01	99.95
GSMD-18016	66.78	12.47	6.17	2.36	1.81	1.95	1.24	1.19	.10	.10	.017	514	32	145	245	25	<10	16	5.5	.49	<.01	99.81
GSMD-18073	54.55	12.13	9.18	3.97	4.29	1.82	.58	1.50	.21	.13	.022	670	73	128	156	25	<10	25	11.4	2.33	<.01	99.91
GSMD-18066 S-1	53.06	18.21	8.98	2.49	3.99	3.07	1.04	1.37	.16	.13	.009	364	<20	344	185	29	<10	23	7.3	.70	.04	99.93
GSMD-18079	59.23	11.76	8.39	3.79	3.68	1.90	.64	1.39	.10	.14	.022	735	76	124	165	25	<10	23	8.8	1.56	<.01	99.98
GSMD-18072	56.53	12.42	9.08	3.35	3.96	1.83	.64	1.46	.27	.10	.021	679	60	140	158	26	<10	23	10.2	1.62	.01	99.99
GSMD-18010	57.27	11.86	7.87	3.00	2.48	1.42	1.08	1.25	.22	.10	.016	1095	59	94	145	24	10	19	13.2	3.33	.03	99.93
GSMD-18065	58.62	13.51	9.01	4.32	4.23	1.69	1.34	1.31	.18	.14	.024	1539	72	119	156	34	<10	31	5.3	.27	<.01	99.90
GSMD-18006	56.54	11.90	8.73	3.65	3.34	1.58	.66	1.40	.14	.12	.020	941	70	110	145	28	<10	23	11.6	2.49	<.01	99.83
GSMD-18074	56.10	11.25	8.27	3.34	3.88	1.68	.67	1.39	.15	.15	.021	825	64	132	149	26	<10	23	12.9	3.15	.02	99.94
GSMD-18013	49.02	13.05	10.40	5.17	5.52	1.57	.65	1.40	.10	.14	.027	660	93	92	134	36	<10	35	12.4	2.44	.01	99.57
GSMD-18068	58.93	11.93	8.02	3.27	3.35	1.85	.72	1.50	.14	.10	.023	728	62	130	170	28	<10	22	10.0	1.96	<.01	99.97
GSMD-18007	61.25	12.75	7.52	3.11	2.63	1.60	1.67	1.21	.18	.10	.018	1354	60	119	179	29	<10	20	7.5	1.32	<.01	99.74
GSMD-18067	55.70	11.00	7.81	3.61	4.26	1.79	.51	1.41	.13	.14	.021	744	62	112	134	26	<10	24	13.5	3.53	.01	100.01
GSMD-18008	56.71	14.03	9.44	4.08	3.62	1.62	1.61	1.34	.13	.13	.020	1135	75	116	151	30	<10	26	7.0	.90	<.01	99.91
STANDARD SO-15/CSB	49.07	12.25	7.41	7.37	5.84	2.45	1.86	1.76	2.74	1.41	1.073	2027	80	402	996	23	23	12	5.9	2.39	5.32	99.56

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: TILL S230 40C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 7/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data / FA ___

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GSMD-18014	59.69	12.75	8.62	3.44	3.00	1.70	.81	1.39	.12	.29	.027	466	59	106	183	43	<10	39	7.5	.50	.01	99.44
GSMD-18069	60.06	12.30	7.34	2.98	2.76	1.71	.81	1.39	.12	.10	.019	836	50	120	166	26	<10	20	9.7	1.90	.01	99.43
GSMD-18011	60.69	12.36	8.07	3.86	3.55	1.42	1.08	1.34	.21	.14	.024	1340	76	104	171	30	<10	25	6.5	.86	.01	99.45
GSMD-18080	43.27	13.95	11.84	4.62	5.00	1.66	.32	1.43	.20	.22	.016	488	78	127	102	35	<10	31	17.0	3.48	<.01	99.63
GSMD-18018	52.43	12.50	8.03	4.16	4.75	2.03	.38	1.45	.21	.18	.028	261	150	109	158	26	<10	27	13.2	3.06	<.01	99.44
GSMD-18071	57.46	12.87	7.45	2.95	3.03	1.65	.71	1.36	.22	.10	.027	698	92	121	163	27	<10	22	11.4	2.05	.01	99.36
GSMD-18077	50.70	11.67	9.80	1.91	2.14	1.44	.85	1.55	.41	.17	.016	681	31	116	163	25	<10	17	18.8	5.06	.01	99.58
GSMD-18020	66.06	11.63	6.40	2.57	2.52	1.69	1.08	1.14	.12	.11	.020	419	56	112	236	29	<10	23	5.8	.29	.01	99.25
GEBD-18098	58.41	11.92	8.38	4.07	4.75	1.83	.67	1.63	.06	.15	.027	941	75	120	148	31	<10	27	7.4	1.23	<.01	99.45
GEBD-18039	56.96	11.94	7.84	4.07	4.64	1.82	.58	1.50	.13	.16	.023	715	78	119	143	30	<10	27	9.5	1.90	.03	99.29
GEBD-18036	55.11	12.01	7.90	3.57	3.62	1.60	.63	1.41	.10	.12	.021	801	60	106	137	28	<10	24	13.2	3.23	.01	99.43
GEBD-18026	65.23	10.95	6.83	3.33	2.44	1.32	1.09	1.11	.07	.18	.022	2402	100	88	155	30	<10	24	6.5	.69	<.01	99.39
GEBD-18082	63.87	11.37	6.61	3.21	3.89	1.82	.80	1.37	.13	.11	.021	635	59	116	184	26	<10	23	6.0	.92	<.01	99.32
GEBD-18089	57.20	11.70	7.20	3.03	4.12	1.65	.91	1.34	.24	.11	.023	622	51	135	192	47	<10	31	11.8	2.83	.02	99.45
GEBD-18037	60.85	11.46	7.70	3.90	4.63	1.89	.70	1.52	.12	.17	.024	886	63	130	155	33	<10	26	6.3	1.12	<.01	99.41
GEBD-18091	54.56	13.49	6.98	2.84	3.07	1.49	1.01	1.20	.16	.14	.020	708	83	109	185	36	<10	24	14.4	3.26	<.01	99.50
GEBD-18081	64.38	11.29	6.60	3.21	3.97	1.82	.78	1.39	.13	.11	.019	625	52	116	196	27	<10	23	5.6	.90	.01	99.42
GEBD-18027	64.22	10.68	7.43	4.18	2.88	1.11	1.13	1.02	.13	.23	.024	3066	123	82	128	30	<10	24	5.8	.17	<.01	99.23
GEBD-18086	53.87	13.03	8.80	3.38	3.78	1.78	.55	1.60	.17	.10	.027	483	85	123	143	24	<10	22	12.3	2.50	.02	99.49
GEBD-18083	50.60	11.94	8.05	2.98	3.41	1.56	.58	1.36	.19	.11	.020	581	61	109	137	23	<10	21	18.6	5.07	.03	99.51
GEBD-18033 S-1	53.18	18.46	8.27	2.40	3.88	2.96	1.22	1.37	.18	.13	.010	355	26	328	186	28	<10	23	7.2	.67	<.01	99.37
GEBD-18096	61.53	11.12	7.54	4.13	5.40	2.10	.55	1.66	.07	.15	.025	663	55	129	150	28	<10	26	4.9	.71	<.01	99.30
GEBD-18092	53.64	12.47	8.87	4.44	5.61	1.80	.46	1.54	.13	.15	.028	333	82	120	159	34	<10	29	10.2	1.98	.02	99.43
RE GEBD-18092	53.60	12.48	8.92	4.40	5.58	1.81	.46	1.54	.14	.15	.024	339	98	121	160	34	<10	29	10.3	2.01	.01	99.50
GEBD-18035	63.93	11.11	6.73	3.41	4.31	1.99	.78	1.52	.10	.14	.019	839	44	138	171	27	<10	22	5.2	.80	<.01	99.38
GEBD-18087	40.49	16.87	10.30	4.01	4.30	.77	.33	1.28	.19	.14	.024	334	105	45	95	23	<10	26	21.0	3.50	.03	99.78
GEBD-18023	64.86	10.81	6.94	4.06	2.87	1.69	.80	1.36	.06	.18	.025	1213	64	105	141	25	<10	22	5.4	.46	<.01	99.24
GEBD-18032	51.25	11.82	7.64	2.92	2.74	1.34	.76	1.35	.17	.10	.017	762	36	95	147	25	<10	21	19.2	5.19	.01	99.43
GEBD-18085	53.01	13.60	7.89	2.44	2.25	1.56	1.06	1.29	.20	.10	.020	525	59	149	177	41	<10	22	16.0	4.00	.04	99.54
GEBD-18088	52.95	12.92	8.23	3.66	3.81	1.65	.56	1.40	.13	.11	.028	683	60	274	143	21	<10	22	14.0	2.99	<.01	99.59
GEBD-18038	46.30	12.30	8.51	3.30	3.92	1.47	.52	1.49	.16	.12	.023	533	54	113	132	37	<10	25	21.4	6.01	.01	99.62
GEBD-18090	48.88	11.79	8.78	2.38	2.69	1.33	.81	1.43	.21	.09	.018	364	61	112	173	28	<10	18	21.1	5.97	.02	99.60
GEBD-18031	61.31	11.23	8.05	4.52	3.43	1.52	.90	1.14	.12	.20	.034	1409	119	98	135	28	<10	26	6.7	.30	<.01	99.36
STANDARD SO-15/CSB	49.48	12.55	7.16	7.12	5.76	2.36	1.86	1.79	2.65	1.36	1.057	2011	78	388	964	23	17	12	5.9	2.43	5.25	99.46

Sample type: TILL S230 40C. Samples beginning *'RE'* are Reruns and *'RRE'* are Reject Reruns.

Data / FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GEBD-18097	59.00	12.31	8.92	4.14	4.22	1.69	.84	1.41	.14	.21	.021	1262	95	113	127	26	<10	28	7.3	.58	.01	100.39
GEBD-18093	57.50	12.17	7.05	3.29	4.10	1.68	.71	1.30	.20	.13	.017	577	131	113	172	34	<10	26	11.9	2.58	<.01	100.17
GEBD-18095	56.45	12.01	7.30	2.90	3.66	1.56	.72	1.32	.17	.10	.017	479	93	106	182	33	11	23	13.6	2.93	.01	99.92
GEBD-18022	53.73	12.00	8.40	4.10	3.34	1.59	.56	1.27	.22	.12	.025	831	137	107	129	25	<10	24	14.7	3.13	<.01	100.20
GEBD-18024	59.74	11.98	8.34	4.15	3.61	1.64	.89	1.23	.13	.18	.024	1260	210	118	151	33	<10	31	7.9	.62	<.01	100.03
GEBD-18084	54.28	12.05	7.90	3.14	3.63	1.56	.94	1.47	.37	.14	.020	609	130	137	198	41	<10	31	14.4	3.46	.03	100.04
GEBD-18030	52.88	12.43	9.62	6.13	7.02	1.88	.89	1.41	.15	.20	.029	994	159	164	124	29	<10	31	7.2	.57	<.01	100.02
GEBD-18028	61.60	11.06	8.71	4.51	3.37	1.50	.92	1.13	.12	.25	.026	1654	159	99	135	31	<10	26	6.4	.23	.01	99.84
GEBD-18040	59.63	11.90	7.79	2.63	3.01	1.75	1.01	1.49	.25	.10	.021	810	96	126	170	30	10	21	10.3	2.04	<.01	100.03
GEBD-18029	59.97	12.32	8.10	4.18	3.14	1.62	.90	1.33	.10	.16	.026	1330	139	111	137	23	10	26	8.2	.98	<.01	100.25
GEBD-18094	51.72	10.84	8.57	2.56	3.07	1.53	.65	1.34	.27	.08	.019	467	103	105	161	29	<10	21	19.4	5.53	.02	100.16
GEBD-18025	61.07	10.92	8.84	5.25	3.09	1.30	1.01	1.10	.12	.23	.026	2262	208	91	112	29	<10	26	6.7	.21	.01	99.97
GEBD-18021	54.69	12.01	8.26	4.06	3.35	1.59	.58	1.29	.19	.12	.028	840	131	109	139	23	<10	24	13.8	3.15	.01	100.12
GEBD-18034	51.47	11.20	7.09	2.56	2.93	1.48	.54	1.34	.23	.09	.018	610	91	105	135	23	<10	19	20.7	5.98	.02	99.77
GEBD-18100	51.44	12.21	9.56	3.73	4.26	1.76	.57	1.63	.19	.12	.020	502	118	107	140	28	<10	26	14.4	3.45	<.01	100.00
GEBD-18099 TILL-4	61.68	14.97	5.51	1.83	1.26	2.19	2.64	.97	.20	.10	.007	531	122	151	333	38	14	12	8.3	1.65	.04	99.80
PPD-18041	67.62	9.81	6.20	3.43	4.91	1.99	.52	1.37	.11	.13	.026	317	121	123	276	30	<10	27	3.7	.16	<.01	99.93
PPD-18045	60.09	11.91	6.94	2.38	2.21	1.58	.99	1.20	.20	.11	.016	419	102	103	222	27	10	19	12.3	2.60	<.01	100.04
PPD-18043	64.92	11.00	6.80	3.41	4.29	2.07	.58	1.38	.13	.15	.022	343	116	128	260	29	<10	25	5.3	.49	.01	100.16
RE PPD-18043	64.69	10.95	6.74	3.41	4.28	2.06	.58	1.37	.13	.15	.024	340	112	128	253	28	11	26	5.3	.51	<.01	99.79
PPD-18042	67.61	9.91	6.35	3.51	4.95	1.99	.54	1.38	.12	.14	.025	326	121	125	268	31	11	28	3.4	.17	<.01	100.04
PPD-18044	65.23	11.47	6.93	2.87	3.13	1.77	1.03	1.22	.14	.14	.020	450	133	120	204	30	<10	23	5.9	.30	<.01	99.97
PPD-18046	58.17	11.76	8.15	5.39	6.71	2.35	.31	1.55	.15	.16	.034	245	153	115	137	29	<10	33	5.2	.53	<.01	100.02
RCPD-18055	55.95	12.28	9.15	4.22	4.81	1.83	.65	1.56	.13	.17	.025	754	143	117	132	34	<10	29	9.2	1.96	<.01	100.12
RCPD-18057	60.77	11.91	8.06	3.60	4.17	1.92	.58	1.50	.14	.11	.025	531	143	111	154	26	<10	25	7.0	1.07	<.01	99.90
RCPD-18054	57.24	12.39	9.75	4.94	5.79	1.82	.73	1.74	.14	.20	.028	647	126	114	158	36	<10	34	5.0	.45	<.01	99.90
RCPD-18059	68.32	11.45	6.29	2.32	2.26	1.64	1.02	1.09	.11	.11	.022	858	121	119	192	28	<10	20	5.2	.48	<.01	99.99
RCPD-18051	55.19	12.37	9.29	3.75	4.38	1.74	.72	1.44	.14	.17	.023	481	143	138	154	44	<10	33	10.7	2.36	<.01	100.03
RCPD-18053	48.22	14.89	12.59	5.22	5.18	1.58	.65	1.61	.18	.23	.029	759	167	80	104	28	<10	32	9.5	.93	<.01	100.02
RCPD-18048	67.29	10.64	6.62	3.23	3.81	1.91	.69	1.38	.06	.12	.019	678	94	124	184	25	<10	21	4.3	.33	<.01	100.20
RCPD-18056	59.21	11.94	8.59	4.33	5.33	2.08	.55	1.71	.07	.15	.025	833	123	128	127	28	<10	29	5.9	.76	<.01	100.03
RCPD-18049	55.01	12.49	9.54	4.47	5.22	1.89	.52	1.64	.17	.16	.021	471	119	114	136	29	<10	30	8.8	1.67	<.01	100.04
RCPD-18047	60.39	11.69	8.84	4.15	5.02	1.89	.73	1.55	.18	.18	.025	1124	142	145	139	33	<10	32	5.3	.12	<.01	100.13
STANDARD SO-15/CSB	49.80	12.37	7.24	7.20	5.82	2.39	1.85	1.81	2.68	1.38	1.051	2085	78	393	967	22	25	13	5.9	2.45	5.32	99.92

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data F FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
RCPD-18052	55.66	12.53	7.96	2.85	3.28	1.59	1.02	1.27	.17	.13	.016	548	76	125	174	31	12	22	13.4	3.29	<.01	99.99
RCPD-18058	57.82	12.27	8.70	4.60	5.77	2.07	.68	1.61	.14	.17	.025	475	171	134	156	28	10	29	6.1	.86	<.01	100.08
RCPD-18050	61.45	11.97	7.78	3.35	4.13	1.75	.90	1.38	.18	.14	.022	644	98	145	207	40	<10	30	7.0	1.05	.02	100.19
RCPD-18060	61.29	11.75	7.23	2.49	3.35	1.68	.96	1.36	.21	.10	.016	616	58	133	224	46	<10	25	9.3	2.13	.01	99.87
RE RCPD-18060	61.20	11.76	7.41	2.46	3.33	1.68	.96	1.37	.19	.10	.019	620	57	131	206	44	10	25	9.5	2.14	.01	100.11
STANDARD SO-15/CSB	49.53	12.58	7.28	7.24	5.84	2.41	1.85	1.74	2.69	1.38	1.060	2013	80	395	950	23	23	12	5.9	2.45	5.32	99.92

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003057 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
GEBX-14062	.46	23.58	10.01	61.4	85	33.8	12.4	538	2.62	3.7	.5	182.9	4.1	27.4	.22	.32	.13	46	.81	.054	13.8	52.7	.70	133.5	.086	2	1.40	.006	.07	<.2	.05	54	.7	<.02	4.1
GEBX-14070	1.39	428.05	14.09	225.0	972	121.4	11.8	1768	2.47	55.7	1.5	11.7	.5	61.1	.54	3.22	.17	56	3.05	.129	14.4	85.2	.64	570.2	.046	9	1.77	.010	.24	.4	.10	318	4.7	.03	3.9
GEBX-14077	1.59	129.30	8.04	86.4	474	55.2	17.0	1640	2.94	8.6	2.0	3.0	.2	59.5	.55	.63	.11	122	2.38	.158	15.8	94.6	.64	256.9	.077	5	3.01	.007	.09	<.2	.06	314	4.1	.02	5.4
GEBX-14064	.35	20.05	8.70	59.8	67	27.2	9.5	702	2.29	3.7	.4	1.9	3.3	31.6	.23	.29	.11	41	1.01	.064	12.9	44.4	.59	109.6	.074	3	1.20	.006	.06	<.2	.03	46	.8	.02	3.4
GEBX-14075	.91	111.86	9.37	63.6	405	67.9	17.6	1139	2.40	2.3	2.4	5.6	.7	42.0	.27	.53	.10	64	1.47	.093	13.7	95.8	.82	673.2	.086	4	1.84	.007	.23	<.2	.04	405	4.4	.02	4.4
GEBX-14061	.49	26.91	11.07	68.1	87	36.3	13.2	585	2.79	4.2	.5	.9	4.4	30.0	.22	.34	.15	48	.86	.061	15.6	57.9	.75	138.2	.084	2	1.49	.007	.07	<.2	.05	56	.8	.05	4.5
GEBX-14073	.70	45.12	6.81	99.0	130	101.0	28.7	2468	3.47	1.9	.4	2.2	1.3	26.8	.18	.18	.10	74	.93	.066	8.7	76.7	1.19	474.2	.119	2	2.53	.008	.06	<.2	.06	103	.6	.04	6.1
GEBX-14069	.96	58.70	4.97	55.2	258	39.9	16.2	2106	1.92	4.0	.9	1.7	.1	33.1	.35	.28	.07	74	1.33	.160	12.7	65.2	.42	300.5	.071	5	3.11	.007	.26	<.2	.06	223	.9	<.02	3.4
GEBX-14067	.55	44.28	4.80	60.8	81	33.9	16.2	872	2.93	1.2	.2	2.3	.5	36.3	.24	.25	.08	101	1.74	.101	8.0	57.3	.92	75.7	.252	5	2.63	.015	.06	<.2	.03	115	.6	.02	6.2
GEBX-14076	.73	57.27	6.08	71.3	159	38.7	16.7	1309	2.98	2.3	.6	3.6	.5	33.5	.29	.30	.10	114	1.62	.086	10.0	64.1	.94	401.6	.237	5	2.77	.011	.05	<.2	.05	161	1.1	.03	6.5
GEBX-14066 S-1	1.03	30.97	9.02	52.2	36	12.6	12.3	475	4.02	2.3	.6	1.7	2.7	46.0	.09	.09	.14	155	.46	.044	11.3	40.8	.55	90.1	.360	<1	4.09	.122	.06	.2	.13	34	.4	.04	10.5
GEBX-14071	.90	261.81	9.53	128.0	643	71.8	9.6	1422	1.97	45.2	1.3	8.0	.2	71.7	.49	2.86	.14	51	3.51	.147	8.0	77.3	.54	457.2	.038	11	1.43	.005	.08	<.2	.06	282	6.2	.04	3.5
RE GEBX-14065	.35	28.24	6.03	56.6	44	33.1	14.4	1342	2.64	5.7	.4	27.7	3.5	21.1	.16	.41	.08	70	.88	.065	12.0	43.3	.79	134.1	.160	3	1.54	.011	.04	.2	.03	39	.3	.02	4.8
GEBX-14068	.75	79.48	8.52	82.0	230	93.1	27.3	2807	3.81	13.7	.6	7.9	.6	42.2	.40	1.05	.10	88	2.19	.082	8.7	81.9	1.24	595.4	.121	6	2.31	.009	.08	<.2	.05	164	1.7	.03	6.2
GEBX-14074	.88	79.65	7.52	87.6	211	36.2	13.4	1018	2.52	2.2	.6	3.2	.3	31.8	.35	.40	.12	90	1.42	.108	11.9	57.5	.81	577.3	.147	5	2.56	.010	.08	<.2	.04	188	1.5	.02	5.5
GEBX-14065	.32	24.84	5.67	54.2	59	30.7	14.1	1312	2.58	5.7	.4	75.5	3.2	20.9	.16	.38	.07	68	.78	.062	10.9	40.4	.76	128.4	.151	2	1.46	.010	.04	.2	.03	43	.3	.02	4.5
GEBX-14072	1.43	143.26	8.85	87.0	242	107.3	23.6	1340	3.30	1.6	1.1	2.9	.8	44.9	.28	.20	.14	83	1.45	.074	14.8	94.4	1.24	590.5	.095	4	2.58	.010	.11	<.2	.05	125	1.3	.03	7.0
GEBX-14063	.45	24.75	10.31	66.7	63	36.4	13.5	583	2.82	4.4	.5	3.7	5.4	21.8	.22	.38	.14	42	.67	.076	16.4	36.3	.81	124.4	.081	1	1.35	.006	.06	<.2	.05	33	.3	.03	4.1
GEBX-14078	1.24	86.39	6.56	77.3	286	56.7	18.6	1821	3.19	3.8	.9	3.4	.3	53.7	.49	.48	.15	106	2.16	.122	12.0	86.2	.77	335.3	.120	4	2.97	.009	.30	.2	.06	198	2.4	.02	5.9
STANDARD OS2	14.26	131.33	33.28	163.3	257	35.9	12.2	846	3.20	57.4	20.0	205.0	3.6	27.9	10.49	9.85	11.25	76	.54	.093	15.4	166.9	.62	160.3	.093	2	1.75	.030	.16	7.8	1.88	246	2.4	1.86	5.9

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: MOSS MAT S140 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 16 2000 DATE REPORT MAILED: Sept 5/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003057 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GEBX-14062	.54	.1	.04	.62	5.1	2.9	.2	.03	<.05	2.9	8.03	27.2	.02	<1	.4	23.8	30
GEBX-14070	2.06	<.1	.02	.87	9.0	9.4	.5	.16	<.05	2.4	40.29	17.0	.03	5	.6	21.1	15
GEBX-14077	1.84	.1	.04	.95	4.2	12.3	.4	.16	<.05	3.2	67.29	13.5	.04	<1	.8	16.1	30
GEBX-14064	.41	.1	.02	.54	4.7	2.3	.2	.04	<.05	2.3	6.88	25.1	.03	<1	.2	20.3	30
GEBX-14075	1.31	.1	.07	.79	4.7	11.1	.3	.13	<.05	3.5	23.84	13.0	.05	<1	.3	8.8	15
GEBX-14061	.55	.1	.04	.65	5.4	3.2	.3	.03	<.05	3.0	8.67	30.1	.05	<1	.3	27.4	30
GEBX-14073	1.02	.1	.04	.69	5.5	6.2	.5	.05	<.05	2.3	12.13	18.1	.07	<1	.4	14.7	30
GEBX-14069	1.20	.1	<.02	.66	5.5	5.6	.3	.14	<.05	1.4	35.48	19.9	.07	<1	.9	6.1	30
GEBX-14067	.52	.1	.22	1.05	2.4	9.3	.7	.10	<.05	12.3	30.48	13.3	.09	2	.5	7.5	30
GEBX-14076	.94	.1	.11	1.29	4.0	8.5	.7	.10	<.05	5.6	26.88	15.4	.09	2	.6	14.0	30
GEBX-14066 S-1	1.27	.2	.71	.44	4.7	8.9	1.2	<.01	<.05	40.4	14.90	29.4	.11	1	1.0	11.5	30
GEBX-14071	2.00	.1	.02	.54	5.2	6.1	.4	.20	<.05	2.3	29.06	12.7	.07	7	.4	13.6	15
RE GEBX-14065	.64	.1	.10	.40	3.4	5.0	.4	.02	<.05	5.9	11.68	24.1	.06	<1	.2	15.2	30
GEBX-14068	.90	.1	.05	1.24	5.8	8.1	.5	.12	<.05	3.0	17.02	13.5	.07	3	.5	18.5	30
GEBX-14074	.99	.1	.07	1.19	4.1	7.2	.6	.13	<.05	4.1	31.55	16.3	.05	<1	.6	11.7	30
GEBX-14065	.61	.1	.09	.38	3.2	4.8	.3	.02	<.05	6.1	11.14	21.7	.03	<1	.3	15.0	30
GEBX-14072	1.23	.1	.06	1.08	8.0	7.8	.6	.10	<.05	2.7	22.23	16.4	.03	4	.7	15.1	30
GEBX-14063	.50	.1	.05	.45	4.9	3.3	.3	.02	<.05	3.5	8.98	32.1	.02	<1	.4	24.1	30
GEBX-14078	.85	.1	.08	1.11	8.2	13.0	.5	.15	<.05	4.8	45.95	15.9	.03	<1	.6	14.6	30
STANDARD DS2	3.28	.1	.03	1.43	13.0	2.9	25.0	.02	<.05	2.9	7.75	28.6	5.22	<1	.6	14.6	30

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: MOSS MAT S140 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 16 2000 **DATE REPORT MAILED:** Sept 5/00 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ 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 2398 File # A003057R

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	LOI %
GEBX-14062	15.2
GEBX-14070	56.6
GEBX-14077	56.3
GEBX-14064	15.4
GEBX-14075	49.6
GEBX-14061	14.4
GEBX-14073	19.5
GEBX-14069	57.9
GEBX-14067	39.8
GEBX-14076	31.2
GEBX-14066 S-1	7.2
GEBX-14071	68.0
RE GEBX-14065	8.5
GEBX-14068	36.4
GEBX-14074	45.6
GEBX-14065	8.0
GEBX-14072	35.5
GEBX-14063	6.8
GEBX-14078	54.9
STANDARD DOLOMITE	45.6

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

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 4/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ 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 2398 File # A003058 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
GEBR-10131	2.96	20.43	1.09	7.2	36	13.3	2.5	162	3.63	.6	<.1	2.3	.1	5.4	.02	.14	.03	13	.55	.011	.6	23.0	.38	22.6	.006	1	.40	<.001	.01	1.3	<.02	6	6.9	<.02	1.9
GEBR-10123	.36	52.22	.42	59.9	21	54.8	24.8	674	4.33	.8	<.1	<.2	<.1	9.2	.09	.18	<.02	88	1.09	.065	2.8	37.2	1.83	20.5	.262	2	2.64	.027	.03	.5	<.02	<5	.3	<.02	9.6
GEBR-10137	1.55	43.22	.70	55.5	14	39.7	18.5	480	3.40	1.0	<.1	.4	.1	11.0	.14	.18	<.02	123	1.84	.057	1.8	41.6	1.20	35.9	.283	6	2.30	.046	.01	.6	<.02	10	.4	<.02	11.3
GEBR-10126	.13	32.74	.55	47.5	25	87.3	36.7	1270	5.72	81.2	<.1	.9	<.1	110.1	.05	4.38	<.02	93	7.08	.044	2.1	88.9	3.04	230.2	.004	2	.63	.005	.14	<.2	.03	90	.2	<.02	1.5
GEBR-10138	7.20	28.89	71.03	71.9	236	15.0	15.1	189	7.61	32.3	.9	2.7	8.8	4.2	.05	2.47	.89	9	.06	.027	17.6	12.6	1.15	97.7	.009	1	2.03	.006	.14	.3	.28	117	.6	.14	7.5
GEBR-10140	.26	53.56	.84	55.3	42	67.2	35.9	1434	4.87	36.3	<.1	1.1	.1	89.5	.14	.43	<.02	44	7.58	.056	2.0	33.1	2.10	54.8	.007	1	.67	.029	.12	<.2	.02	32	.3	.03	1.3
GEBR-10135	2.46	38.94	4.89	14.3	154	12.8	2.1	141	.92	3.5	.1	1.9	1.4	6.9	.01	.91	.10	9	.02	.006	6.9	12.3	.12	2402.1	.002	1	.25	.001	.06	.6	.02	176	.9	.05	.8
GEBR-10125	.23	37.57	1.04	60.5	42	24.7	24.6	1211	5.32	14.5	<.1	.3	<.1	149.0	.07	.21	.03	180	9.72	.029	2.0	5.7	2.20	251.7	.005	4	1.68	.003	.05	.2	<.02	28	.3	.02	3.6
GEBR-10130	1.69	61.23	.56	56.3	68	51.8	24.0	838	4.64	1.1	<.1	.8	.1	32.4	.06	.14	.02	132	1.26	.057	2.1	40.2	1.81	76.7	.335	3	2.29	.064	.02	.4	<.02	14	.4	<.02	9.1
GEBR-10128	.21	63.57	2.22	67.7	16	68.3	24.2	844	4.35	2.6	<.1	.7	.2	10.1	.09	.29	.03	143	1.37	.051	2.0	62.2	2.23	50.1	.340	2	2.71	.035	.03	.4	<.02	8	.2	.02	10.3
GEBR-10122	.65	47.08	.69	60.1	11	35.2	22.4	866	4.64	.9	<.1	.5	<.1	6.9	.07	.21	.02	132	.81	.067	2.6	27.8	1.64	104.0	.350	20	2.38	.019	.04	.2	<.02	9	.3	<.02	9.5
GEBR-10139	.26	58.96	.77	69.5	57	79.0	37.1	1268	5.48	7.0	<.1	1.5	<.1	89.6	.17	.47	.02	45	6.80	.058	2.3	29.1	2.29	60.9	.006	2	.99	.035	.12	<.2	.02	50	.4	.02	1.6
GEBR-10136	1.41	45.07	4.92	32.3	35	18.0	3.9	118	1.52	9.5	.1	1.5	2.5	8.0	.03	2.13	.13	9	.04	.011	12.2	9.5	.12	1186.1	.003	3	.46	.004	.11	.2	.02	56	.3	.05	1.0
GEBR-10127	3.20	6.96	5.62	31.6	429	20.5	1.8	132	6.98	199.0	.3	4.8	<.1	4.8	.12	12.87	<.02	38	.09	.030	<.5	21.0	.05	381.6	.003	<1	.04	.002	<.01	3.2	.24	730	4.4	.02	.4
GEBR-10133 S-1	1.04	29.80	8.80	52.9	15	12.2	12.3	456	3.85	2.4	.5	1.2	2.8	45.1	.09	.08	.14	158	.44	.044	11.8	41.5	.51	87.4	.359	<1	4.09	.115	.06	<.2	.13	36	.5	.04	10.8
GEBR-10132	1.78	9.13	.23	50.0	5	7.8	11.2	557	3.36	1.9	<.1	.2	.1	10.7	.07	.19	<.02	72	1.32	.187	4.4	8.2	.99	87.4	.184	4	1.94	.039	.02	.6	<.02	25	.3	<.02	11.2
GEBR-10124	.29	58.50	.40	60.2	13	70.7	21.8	541	3.48	4.0	<.1	<.2	.1	10.0	.14	.12	<.02	100	1.57	.050	2.2	52.3	1.89	58.1	.282	5	2.39	.043	.01	.7	<.02	22	.2	<.02	9.1
GEBR-10121	.77	44.11	.42	59.6	11	34.0	20.5	775	4.34	1.5	<.1	.3	<.1	7.0	.07	.23	<.02	127	.90	.074	2.5	31.2	1.52	133.4	.317	8	2.35	.021	.05	.2	<.02	10	.3	<.02	10.0
GEBR-10134	.50	68.58	25.30	43.4	39	25.6	6.6	2072	2.77	3.1	.2	<.2	2.3	7.3	.03	.31	.15	43	.02	.013	14.2	28.9	.68	735.8	.010	1	1.12	.002	.06	1.7	.03	44	.4	.14	4.9
GEBR-10129	7.95	173.98	7.90	123.3	56	131.7	23.5	1491	6.33	5.8	4.8	5.7	7.1	9.4	1.10	.50	.10	275	.36	.037	16.0	96.2	1.60	232.5	.166	1	2.13	.015	.04	.5	.03	136	5.7	.15	10.7
RE GEBR-10129	7.86	180.81	8.25	127.2	67	133.2	22.9	1536	6.53	5.8	5.0	5.2	7.6	9.4	1.12	.49	.10	283	.36	.036	16.0	102.4	1.65	232.7	.168	1	2.19	.015	.04	.5	.03	143	5.7	.14	10.5
RRE GEBR-10129	8.48	177.73	8.52	128.3	67	131.3	25.3	1505	6.38	5.9	5.3	6.0	7.8	9.2	1.17	.55	.11	279	.36	.040	16.4	99.3	1.62	240.7	.166	<1	2.15	.015	.04	.6	.03	143	5.8	.17	11.2
PPR-10220	.51	1347.00	.83	54.1	552	539.7	44.7	597	4.25	1.0	<.1	.8	<.1	4.2	.25	.21	.05	78	.96	.075	2.2	106.1	1.79	89.0	.204	1	2.00	.022	.03	.5	<.02	19	3.1	.02	7.4
PPR-10215	1.43	21.84	1.44	60.1	21	6.2	22.7	548	4.14	1.8	<.1	1.4	.1	23.1	.04	.37	.02	89	.90	.115	2.9	12.9	1.09	90.9	.409	<1	1.28	.021	.02	.3	<.02	45	.8	.05	7.1
PPR-10212	.36	50.26	.52	66.4	15	31.1	19.8	620	4.23	2.0	<.1	<.2	.1	6.0	.17	.71	<.02	125	2.01	.066	1.9	42.2	1.59	24.8	.338	3	2.86	.020	.01	.6	<.02	10	.3	<.02	11.6
PPR-10214	1.44	272.98	2.67	36.4	50	36.6	35.8	514	4.96	3.5	<.1	8.1	.1	8.5	.10	.79	.06	105	1.18	.060	1.4	55.0	1.56	44.7	.387	1	2.06	.032	.02	.3	<.02	12	4.3	.02	6.2
PPR-10217	2.90	5617.34	1.15	50.5	1662	3044.4	153.5	391	4.76	1.7	<.1	4.1	<.1	2.7	.81	.34	.19	60	.90	.045	.8	271.9	1.98	22.7	.149	<1	1.76	.030	.01	.3	<.02	52	8.2	.15	5.4
PPR-10213	1.31	126.41	1.15	44.4	46	69.6	25.8	547	4.43	3.4	<.1	1.5	<.1	6.6	.06	.28	.03	113	1.18	.052	1.7	47.7	1.78	51.8	.299	1	2.46	.020	.06	<.2	<.02	9	1.4	<.02	8.0
GSMR-10040	.59	91.06	.51	64.7	24	48.4	24.1	671	4.48	1.7	<.1	1.0	<.1	6.0	.04	.21	<.02	119	1.81	.069	1.8	33.1	1.67	13.7	.370	1	2.61	.020	<.01	.7	<.02	<5	.6	<.02	9.9
GSMR-10218	.80	55.63	.51	63.8	48	14.8	20.4	650	5.03	1.5	<.1	2.0	.1	5.7	.05	.12	<.02	154	1.52	.108	1.6	12.4	1.37	81.7	.275	1	2.62	.023	.04	.2	<.02	<5	1.0	<.02	10.3
GSMR-10216	.24	4209.79	.61	44.2	2212	1832.3	98.6	342	3.55	1.7	<.1	.6	<.1	3.8	.49	.19	.09	51	.94	.034	.7	288.5	1.72	109.0	.126	<1	1.61	.049	.06	.3	.02	32	5.9	.14	4.3
GSMR-10263	.66	59.50	1.58	95.0	61	42.2	26.4	818	5.24	1.5	<.1	36.4	<.1	13.0	.11	.45	<.02	193	1.41	.070	1.5	31.6	1.78	161.9	.470	2	2.53	.020	.03	.3	<.02	10	.7	<.02	12.4
GSMR-10219	.49	46.17	.32	75.7	33	11.6	21.9	719	4.84	1.2	<.1	1.2	.1	23.0	.11	.24	<.02	186	1.41	.084	1.9	8.2	1.33	141.7	.334	<1	2.49	.020	.02	.7	.02	6	.6	<.02	9.7
STANDARD DS2	14.20	128.18	34.42	156.4	271	34.3	11.2	834	3.12	57.3	20.3	197.5	3.8	28.1	10.32	10.16	11.35	77	.53	.092	16.4	156.9	.60	152.6	.091	2	1.69	.031	.16	7.7	2.03	253	2.4	1.96	6.0

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: ROCK R150 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 16 2000 DATE REPORT MAILED: Aug 31/00 SIGNED BY. C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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 2398 File # A003058 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GEBR-10131	.10	.1	<.02	.13	.1	.3	.2	1.06	<.05	.7	1.16	1.0	<.02	<1	<.1	4.8	30
GEBR-10123	.23	.1	.22	.06	1.1	2.0	.4	.04	<.05	5.7	11.03	8.0	<.02	2	.1	11.4	30
GEBR-10137	.26	.2	.43	.07	.8	2.2	.6	.13	<.05	14.8	12.85	5.8	.03	1	.3	7.8	30
GEBR-10126	1.07	<.1	.02	.02	4.7	27.8	<.1	.06	<.05	.9	16.42	6.9	.05	<1	.5	7.1	30
GEBR-10138	.33	.1	.47	.04	3.2	1.2	.3	2.65	<.05	15.5	2.61	24.4	.02	1	.3	60.3	30
GEBR-10140	1.03	<.1	<.02	<.02	2.2	24.5	<.1	.12	<.05	.5	13.34	6.3	.08	1	.4	8.6	30
GEBR-10135	.26	<.1	.04	<.02	2.4	.7	.1	.10	<.05	2.3	.88	12.7	.02	3	.1	2.1	30
GEBR-10125	1.10	.1	<.02	<.02	2.2	11.8	.1	.03	<.05	.4	13.95	5.9	.07	<1	.5	26.7	30
GEBR-10130	.56	.2	.27	.03	.4	4.7	.6	.25	<.05	8.1	9.87	6.4	.05	3	.3	11.3	30
GEBR-10128	.46	.2	.35	.03	1.0	5.1	.7	.01	<.05	12.9	11.60	6.0	.06	<1	.3	26.7	30
GEBR-10122	.28	.2	.29	.05	2.8	3.3	.4	.02	<.05	6.7	13.33	7.8	.07	<1	.1	25.9	30
GEBR-10139	1.01	.1	<.02	<.02	2.7	23.1	.1	.19	<.05	.6	12.99	6.8	.11	2	.5	14.8	30
GEBR-10136	.50	.1	.08	<.02	5.7	1.2	.2	.04	<.05	3.9	1.07	24.7	.05	1	.1	2.7	30
GEBR-10127	.07	.3	<.02	.08	.2	.6	.1	.47	<.05	.5	1.14	.4	.03	<1	<.1	.4	30
GEBR-10133 S-1	1.30	.2	.70	.48	4.2	8.9	1.3	.04	<.05	39.1	14.08	30.8	.08	<1	.6	10.4	30
GEBR-10132	.34	.2	.23	.06	.8	3.1	.3	.05	<.05	6.0	33.88	14.8	.06	<1	.2	9.5	30
GEBR-10124	.28	.2	.45	.03	.3	3.1	.6	.07	<.05	16.3	10.86	6.3	.05	<1	.3	16.0	30
GEBR-10121	.29	.2	.28	.07	4.3	3.7	.5	.02	<.05	7.0	13.87	7.7	.05	<1	.1	22.3	30
GEBR-10134	.33	.1	.07	<.02	2.7	1.5	.2	.11	<.05	3.1	1.98	20.2	.04	1	.2	12.1	30
GEBR-10129	.31	.2	.75	.38	1.3	4.3	.2	2.54	<.05	32.0	11.49	24.3	.03	11	.6	17.1	30
RE GEBR-10129	.32	.2	.75	.37	1.3	4.7	.2	2.58	<.05	31.6	11.23	24.1	.04	9	.8	16.7	30
RRE GEBR-10129	.34	.2	.83	.41	1.3	4.6	.2	2.66	<.05	33.1	11.36	24.7	.04	11	.7	18.6	30
PPR-10220	.12	.1	.15	.04	1.0	2.3	.2	.99	<.05	3.9	10.39	6.5	.04	4	.2	17.5	30
PPR-10215	.11	.1	.29	.20	.9	2.5	.3	1.40	<.05	6.4	14.74	9.1	.03	4	.1	5.6	30
PPR-10212	.28	.2	.40	.08	1.7	2.6	.6	.10	<.05	11.6	12.12	5.9	.03	<1	.1	20.3	30
PPR-10214	.07	.1	.26	.13	.5	3.1	.9	2.37	<.05	5.8	7.49	4.3	<.02	10	.2	13.9	30
PPR-10217	.13	.2	.17	.03	.4	4.0	.2	2.25	<.05	5.0	5.02	2.5	.05	14	.1	14.4	30
PPR-10213	.15	.1	.18	.05	1.3	1.9	.3	.80	<.05	4.4	7.89	5.1	<.02	5	.2	16.1	30
GSMR-10040	.07	.2	.30	.09	.1	2.2	.4	.79	<.05	7.3	11.04	5.7	<.02	2	.3	20.7	30
GSMR-10218	.23	.2	.14	.05	1.1	3.3	.3	.45	<.05	3.4	11.83	5.1	<.02	<1	.1	14.0	30
GSMR-10216	.16	.1	.15	.03	1.8	3.2	.1	1.15	<.05	3.9	3.03	1.9	.02	9	.1	17.3	30
GSMR-10263	.31	.3	.38	.06	3.2	3.3	.6	.21	<.05	10.5	14.20	5.3	.02	<1	.2	12.7	30
GSMR-10219	.45	.2	.19	.05	1.8	3.7	.3	.15	<.05	6.6	11.94	5.6	.02	2	.2	14.1	30
STANDARD DS2	3.37	.1	.05	1.41	12.9	3.2	25.6	.02	<.05	2.7	7.86	32.1	5.53	<1	.4	14.3	30

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: ROCK R150 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 16 2000 DATE REPORT MAILED: Aug 31/00 SIGNED BY. C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

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

WHOLE ROCK ICP ANALYSIS

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003058

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GEBR-10131	85.42	.92	7.82	1.05	1.54	.05	.04	.03	.04	.03	<.001	29	26	<1	2.9	.20	1.18	99.85
GEBR-10123	49.47	14.04	10.86	7.13	9.68	2.87	.18	1.85	.18	.19	.027	99	75	36	3.3	.04	.05	99.80
GEBR-10137	52.20	14.22	9.42	5.52	9.22	4.27	.11	1.92	.16	.14	.020	58	66	35	2.7	.10	.12	99.92
GEBR-10126	36.94	12.85	9.45	5.40	10.78	.58	1.31	1.43	.13	.16	.032	933	84	36	20.8	4.85	.01	99.98
GEBR-10138	66.32	9.98	12.26	2.18	.07	.85	1.47	.61	.12	.02	<.001	907	30	7	6.0	.03	3.27	99.99
GEBR-10140	41.60	12.77	7.96	3.67	11.58	.92	1.80	1.60	.15	.18	.023	449	77	33	17.6	4.11	.14	99.92
GEBR-10135	92.03	2.72	1.53	.39	.02	.04	.79	.17	.01	.02	.001	5985	28	5	1.6	.19	.15	99.99
GEBR-10125	38.07	11.23	8.59	3.96	15.54	.20	.32	1.14	.06	.16	<.001	445	34	22	20.6	4.93	<.01	99.93
GEBR-10130	49.53	14.34	11.46	6.42	8.30	4.61	.23	1.94	.18	.21	.023	373	75	38	2.7	.10	.32	100.00
GEBR-10128	51.46	13.92	10.52	7.15	7.73	3.11	.47	1.58	.17	.19	.029	301	97	36	3.6	.11	.05	99.98
GEBR-10122	51.03	13.81	10.90	6.86	7.56	4.28	.28	1.91	.19	.26	.028	564	81	38	2.8	.07	<.01	99.99
GEBR-10139	42.92	12.31	9.02	4.08	10.37	.98	1.49	1.50	.13	.16	.025	414	81	31	16.9	3.91	.24	99.95
GEBR-10136	86.62	5.76	2.60	.58	.04	.08	1.42	.30	.06	.02	.003	4790	37	7	1.9	.18	.05	99.92
GEBR-10127	85.21	.21	11.08	.10	.14	.05	.04	.02	.11	.02	<.001	988	31	<1	2.9	.11	.64	99.99
GEBR-10133 S-1	53.52	18.34	8.74	2.31	3.95	2.84	1.11	1.37	.15	.13	.007	341	29	23	7.4	.63	.23	99.91
GEBR-10132	57.76	14.79	7.85	3.18	4.98	6.80	.23	1.43	.43	.17	<.001	358	22	21	2.3	.02	.02	99.97
GEBR-10124	51.09	13.99	9.61	7.25	8.62	4.78	.17	1.64	.18	.15	.025	140	92	36	2.4	.04	.03	99.94
GEBR-10121	50.94	13.96	10.30	6.58	7.59	5.29	.37	1.93	.18	.21	.028	919	64	38	2.4	.07	.02	99.89
GEBR-10134	83.94	5.24	4.87	1.43	.05	.06	1.03	.28	.05	.29	.004	6750	42	6	1.9	.27	.16	99.90
GEBR-10129	66.54	9.64	10.55	2.83	1.34	2.51	.80	.47	.11	.21	.013	2961	131	10	4.7	.03	3.51	100.06
RE GEBR-10129	66.53	9.61	10.90	2.87	1.39	1.66	.79	.48	.12	.22	.012	3015	120	10	4.7	.02	3.41	99.64
RRE GEBR-10129	67.04	9.57	10.57	2.85	1.34	1.85	.79	.48	.10	.21	.011	2964	120	9	4.8	.02	3.31	99.96
PPR-10220	48.31	11.52	12.14	9.14	9.90	2.86	.45	1.78	.19	.21	.080	834	484	40	3.1	<.01	1.15	99.84
PPR-10215	49.23	13.17	13.10	4.56	9.26	3.58	.29	2.94	.32	.23	<.001	565	22	29	3.1	.02	1.90	99.85
PPR-10212	50.66	13.76	10.38	6.31	10.16	3.26	.06	1.77	.17	.17	.022	66	56	36	3.2	.09	.15	99.94
PPR-10214	49.91	13.81	11.65	5.92	7.73	4.28	.23	1.76	.17	.14	.014	153	60	36	4.2	.01	3.15	99.84
PPR-10217	43.07	7.89	16.04	12.74	12.13	.67	.13	1.59	.13	.20	.124	84	1768	56	4.7	.02	2.63	99.66
PPR-10213	50.66	13.55	11.18	7.25	8.55	3.15	.49	1.61	.14	.16	.031	249	92	37	3.1	.01	1.05	99.92
GSMR-10040	48.98	14.07	10.99	6.70	10.55	2.83	.06	1.91	.19	.18	.024	67	72	37	3.5	.01	1.07	100.01
GSMR-10218	52.70	14.45	12.13	4.01	7.21	3.46	.44	2.12	.24	.18	.002	810	23	31	2.9	.01	.57	99.94
GSMR-10216	45.44	9.50	13.22	12.65	12.30	1.04	.68	1.17	.12	.18	.145	616	1417	52	3.0	<.01	1.44	99.70
GSMR-10263	51.81	14.06	11.70	5.13	6.69	4.04	.67	1.94	.18	.19	.006	3530	54	33	3.3	.14	.27	100.12
GSMR-10219	53.15	14.20	12.19	3.48	7.89	3.18	.14	2.27	.21	.19	<.001	396	26	30	3.0	.03	.16	99.95
STANDARD SO-15/CSB	49.74	12.38	7.26	7.22	5.84	2.40	1.87	1.78	2.68	1.38	1.054	1954	78	12	5.9	2.35	5.20	99.73

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: ROCK R150 40C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 16 2000 DATE REPORT MAILED: Aug 31/00 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ 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 2398 File # A003058R (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Ba ppm	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
GEBR-10131	26	3.1	.2	2.6	<.5	.9	<.5	<1	7.7	.1	.4	<.1	.2	31	2	19.9	3.0	1.5	2.2	.39	1.6	.3	.10	.47	.08	.56	.13	.44	.07	.47	.08
GEBR-10123	117	41.5	.4	18.8	3.4	3.4	3.3	1	181.9	.3	.3	.1	.1	323	2	114.2	36.3	5.1	15.0	2.40	13.1	4.3	1.75	5.19	.92	6.13	1.35	4.08	.55	3.56	.51
GEBR-10137	60	33.9	.4	18.0	3.2	2.6	1.2	1	118.2	.3	.3	<.1	.3	335	<1	115.4	37.6	4.7	14.0	2.31	12.8	4.1	1.68	5.07	.92	6.19	1.35	4.20	.57	3.65	.53
GEBR-10126	1005	39.3	4.9	14.8	2.5	2.4	66.0	1	146.0	.2	.2	.8	.1	259	5	92.5	29.9	3.7	11.8	1.89	10.4	3.3	1.21	4.28	.77	5.27	1.10	3.33	.43	2.97	.43
GEBR-10138	982	14.7	3.3	17.6	5.0	18.0	77.8	3	37.6	1.5	12.5	.7	2.9	36	<1	185.1	16.8	25.7	40.3	5.60	20.7	3.5	.73	3.39	.46	3.19	.63	1.93	.26	1.84	.27
GEBR-10140	468	35.5	3.4	15.6	2.6	3.0	45.3	1	143.4	.3	.3	.3	.3	268	<1	95.4	31.8	4.7	13.3	2.13	11.9	3.3	1.35	4.43	.78	5.30	1.11	3.48	.46	3.07	.45
GEBR-10135	6081	2.4	1.3	5.0	1.0	2.9	32.8	2	18.8	.5	2.4	.6	.9	68	2	38.2	5.2	8.7	16.4	1.98	7.4	1.4	<.05	1.18	.16	1.09	.20	.62	.09	.68	.12
GEBR-10125	444	24.9	1.9	11.1	1.5	1.3	11.1	<1	168.1	.1	.2	.1	<.1	270	1	50.2	19.4	2.4	6.8	1.11	6.3	2.1	.88	2.69	.47	3.30	.70	2.04	.27	1.70	.25
GEBR-10130	385	38.2	1.3	16.9	3.0	2.7	7.0	2	190.9	.3	.2	.8	.2	309	1	110.9	35.8	4.7	14.7	2.33	13.2	4.1	1.58	5.23	.88	6.11	1.28	3.98	.52	3.49	.52
GEBR-10128	312	39.6	.8	16.2	2.8	2.9	8.1	1	166.9	.3	.6	.4	.2	294	1	97.3	31.4	5.1	14.6	2.30	12.0	3.7	1.30	4.61	.79	5.55	1.16	3.52	.44	2.98	.45
GEBR-10122	587	36.5	1.2	15.3	3.5	3.5	11.0	2	192.1	.3	.3	.1	.1	309	<1	123.9	37.8	5.0	16.0	2.54	13.7	4.4	1.45	5.30	.92	6.31	1.32	4.09	.54	3.56	.52
GEBR-10139	435	39.2	3.4	16.8	2.3	2.7	40.1	1	134.4	.2	.2	.1	.3	256	<1	88.1	30.1	4.1	11.8	1.96	11.4	3.4	1.36	4.25	.71	5.16	1.03	3.21	.40	2.77	.42
GEBR-10136	4791	3.9	2.3	9.3	1.6	4.7	66.8	1	14.9	.5	4.1	.1	1.0	76	1	59.8	9.3	13.3	28.6	3.13	12.6	2.3	<.05	1.97	.24	1.77	.34	1.11	.16	1.16	.17
GEBR-10127	1032	2.2	.2	.9	<.5	<.5	<.5	<1	9.7	<.1	<.1	.3	.7	34	5	4.0	1.7	1.0	1.4	.18	.8	.2	<.05	.20	.02	.24	<.05	.18	<.05	.21	.04
GEBR-10133 S-1	363	18.0	2.5	21.3	5.1	7.4	37.7	2	330.6	.6	5.3	.2	1.3	176	<1	191.5	27.7	20.9	51.4	5.90	25.8	5.5	1.68	5.02	.77	4.99	.99	3.03	.43	2.83	.42
GEBR-10132	342	17.5	.4	18.2	7.0	3.9	3.6	<1	250.0	.4	.5	<.1	.2	126	1	270.6	67.3	9.4	29.6	4.73	26.2	8.0	2.01	9.54	1.53	10.79	2.31	7.28	.99	6.66	1.00
GEBR-10124	149	39.0	.4	13.6	2.9	2.9	1.1	1	122.3	.2	.3	<.1	.2	277	1	99.3	31.8	4.4	13.3	2.13	11.8	3.5	1.41	4.56	.78	5.31	1.12	3.42	.46	3.07	.43
GEBR-10121	951	34.6	.5	15.4	3.3	3.6	11.3	1	154.9	.3	.3	<.1	.1	300	1	120.9	36.6	5.0	15.4	2.44	13.8	4.2	1.42	5.42	.91	6.37	1.30	4.04	.52	3.56	.52
GEBR-10134	6884	7.9	1.3	8.1	1.3	4.1	39.8	<1	18.8	.4	4.1	.1	1.1	81	5	50.2	13.0	20.4	30.4	4.53	17.7	3.3	.13	2.93	.34	2.52	.47	1.49	.21	1.40	.21
GEBR-10129	3016	24.3	.6	14.5	2.5	10.2	17.5	<1	83.8	.8	9.7	<.1	8.8	320	1	105.8	23.6	31.9	45.5	7.55	29.3	5.1	.88	4.39	.62	4.29	.84	2.73	.37	2.65	.40
RE GEBR-10129	3016	25.2	.6	14.7	2.7	10.0	16.9	<1	87.7	.8	9.9	<.1	9.1	335	2	106.5	23.8	32.1	47.4	7.62	29.5	5.5	.99	4.55	.64	4.37	.85	2.80	.39	2.76	.42
RRE GEBR-10129	2949	23.8	.5	14.7	2.6	9.9	16.6	<1	82.3	.8	9.9	.1	8.9	332	1	100.6	23.4	30.9	45.4	7.39	29.7	5.0	1.01	4.53	.61	4.42	.86	2.85	.37	2.66	.42
PPR-10220	809	56.0	.5	15.2	3.4	2.9	10.4	<1	91.0	.2	.3	.1	.1	289	1	120.3	36.7	4.7	15.3	2.47	13.1	4.0	1.41	5.24	.87	6.15	1.31	4.09	.54	3.60	.53
PPR-10215	538	26.8	.5	20.3	5.5	6.4	6.4	<1	241.3	.8	.5	<.1	.2	285	<1	195.0	53.8	8.9	25.6	4.12	22.3	6.5	2.29	8.13	1.33	9.09	1.92	6.00	.77	5.37	.79
PPR-10212	66	34.0	.5	17.4	3.1	3.1	2.5	1	75.4	.3	.3	<.1	.1	306	1	107.0	32.8	4.4	13.6	2.23	12.6	3.8	1.47	4.99	.82	5.63	1.17	3.70	.47	3.22	.48
PPR-10214	148	36.9	.3	16.4	3.1	3.3	4.2	3	152.2	.3	.5	<.1	.3	287	<1	110.5	32.9	5.1	15.7	2.38	13.2	3.7	1.51	4.88	.81	5.91	1.14	3.60	.48	3.23	.49
PPR-10217	68	157.3	.2	12.1	2.1	1.8	1.4	<1	22.8	.1	.1	<.1	<.1	289	<1	68.2	26.4	2.6	8.9	1.48	8.8	2.7	1.15	3.88	.67	4.60	.95	2.96	.38	2.50	.37
PPR-10213	228	35.1	.4	15.5	2.6	2.2	8.7	<1	97.7	.2	.3	<.1	.2	279	<1	88.9	30.3	3.8	11.6	1.89	10.3	3.4	1.17	4.27	.70	5.24	1.08	3.30	.43	2.94	.44
GSMR-10040	62	36.1	.3	18.8	3.4	3.5	.9	<1	82.0	.3	.3	<.1	.1	296	1	114.5	36.1	4.5	15.0	2.40	13.8	4.4	1.44	5.26	.87	6.34	1.27	3.87	.53	3.49	.51
GSMR-10218	803	28.6	.4	18.9	3.4	2.6	8.4	1	102.5	.2	.5	.1	.2	322	<1	121.2	42.0	5.1	16.1	2.66	15.1	4.7	1.85	5.95	.99	7.25	1.47	4.59	.62	4.08	.62
GSMR-10216	600	119.4	.8	12.0	1.6	1.4	17.6	1	32.4	.1	.1	.1	<.1	276	<1	60.6	19.4	2.4	7.6	1.24	6.9	2.3	.77	2.81	.46	3.31	.67	2.04	.27	1.77	.26
GSMR-10263	3541	34.3	.5	17.4	3.1	2.5	11.5	1	179.6	.3	.3	.1	.1	303	<1	109.7	37.1	4.3	13.5	2.16	13.1	3.7	1.11	5.10	.90	6.26	1.29	3.98	.54	3.58	.52
GSMR-10219	383	28.5	.8	21.7	3.4	2.4	3.7	1	339.6	.2	.5	.1	.2	381	1	115.8	39.5	4.8	14.4	2.46	13.7	4.4	1.58	5.57	.93	6.74	1.37	4.35	.58	3.88	.59
STANDARD SO-15	2000	22.1	2.9	17.3	26.4	32.4	66.5	19	400.5	2.0	24.9	1.6	20.0	149	21	1051.8	23.0	28.2	59.0	6.20	24.4	4.4	1.03	3.97	.60	3.94	.77	2.53	.34	2.44	.40

GROUP 4B - REE - LiBO2 FUSION, ICP/MS FINISHED.
- SAMPLE TYPE: ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 15/00 SIGNED BY. C. Toye .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Date ___ 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 2398 File # A003058R (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
GEBR-10131	3.4	21	<3	10	14	<2	<.2	<1	<1
GEBR-10123	<.5	52	<3	76	82	2	.3	<1	2
GEBR-10137	1.4	43	<3	72	68	<2	.3	<1	3
GEBR-10126	<.5	34	<3	54	100	74	.2	8	2
GEBR-10138	7.9	30	78	81	14	27	.2	3	1
GEBR-10140	<.5	57	<3	61	78	44	.2	2	2
GEBR-10135	3.0	42	5	16	15	6	<.2	1	<1
GEBR-10125	<.5	41	<3	88	26	11	<.2	2	2
GEBR-10130	1.7	64	<3	75	79	2	.3	<1	4
GEBR-10128	<.5	65	<3	81	99	2	.3	<1	5
GEBR-10122	<.5	47	<3	79	60	<2	<.2	<1	5
GEBR-10139	<.5	61	<3	73	86	10	.2	2	4
GEBR-10136	1.3	45	4	33	21	15	.2	5	1
GEBR-10127	3.4	8	5	31	22	209	.3	15	<1
GEBR-10133 S-1	1.3	32	15	78	14	6	<.2	1	4
GEBR-10132	1.8	6	<3	57	10	<2	<.2	<1	4
GEBR-10124	<.5	56	<3	71	101	3	.3	<1	6
GEBR-10121	<.5	41	<3	73	57	<2	.2	<1	7
GEBR-10134	<.5	73	24	47	31	3	<.2	2	3
GEBR-10129	8.4	186	8	130	139	<2	1.4	2	3
RE GEBR-10129	8.4	177	8	126	134	<2	1.2	1	3
RRE GEBR-10129	8.2	176	7	128	137	<2	1.2	1	3
PPR-10220	<.5	1284	<3	84	626	<2	.3	<1	8
PPR-10215	1.2	30	<3	94	5	<2	<.2	<1	9
PPR-10212	<.5	50	<3	77	52	<2	.2	3	9
PPR-10214	<.5	252	<3	43	43	<2	<.2	1	9
PPR-10217	2.7	5171	<3	80	3189	<2	.2	1	9
PPR-10213	.6	128	<3	58	99	2	.2	<1	9
GSMR-10040	<.5	86	<3	23	24	<2	<.2	3	<1
GSMR-10218	.8	59	3	100	19	<2	.5	<1	<1
GSMR-10216	.5	4061	5	80	2358	2	.9	<1	1
GSMR-10263	<.5	100	4	114	55	2	.6	<1	1
GSMR-10219	.6	60	3	104	13	<2	.5	<1	1
STANDARD CT3	26.7	66	43	181	39	62	22.7	23	25
STANDARD G-2	1.7	2	22	53	7	<2	<.2	<1	<1

GROUP 1EX - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2000 **DATE REPORT MAILED:** Dec 15/00 **SIGNED BY.** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Date ___ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003303 Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
GEBD-18172	.21	56.36	3.65	46.1	17	39.4	19.0	661	3.14	77.2	.2	14.8	1.7	17.6	.07	.67	.06	118	1.02	.037	5.9	58.0	1.17	152.0	.347	3	2.66	.014	.02	.2	.02	20	.2	.02	7.3
GEBD-18148	.67	104.13	11.01	88.9	98	69.5	34.3	1447	4.91	7.6	.4	2.7	3.1	26.0	.24	.79	.13	144	1.09	.077	10.7	96.6	1.83	364.0	.359	2	2.83	.013	.16	<.2	.05	53	.3	.03	8.7
GEBD-18173	.23	53.28	4.85	51.2	22	44.1	20.2	784	3.22	31.9	.2	9.3	2.6	15.3	.09	.70	.07	114	.90	.041	7.7	64.7	1.15	205.5	.293	2	2.61	.012	.04	<.2	.03	27	.1	.02	7.2
GEBD-18142	1.02	79.59	17.83	94.5	48	81.3	28.5	1089	4.54	11.6	.6	5.6	6.3	21.8	.28	1.07	.20	109	.75	.079	22.7	97.8	1.42	472.3	.235	2	2.70	.010	.21	<.2	.09	82	.4	.04	7.9
GEBD-18180	.43	53.54	5.25	51.0	18	41.8	17.8	680	3.02	4.2	.3	2.2	2.8	18.3	.09	.49	.08	93	.87	.051	10.8	56.4	1.01	144.6	.255	2	2.37	.015	.05	<.2	.03	21	.3	<.02	6.0
GEBD-18143	.99	71.32	20.84	84.9	48	74.9	27.4	1513	4.14	11.9	.7	5.5	6.7	21.3	.24	1.16	.21	100	.72	.071	23.4	88.0	1.16	376.7	.215	2	2.42	.009	.21	<.2	.09	73	.3	.02	6.8
GEBD-18161	.20	63.93	4.05	39.2	3	39.4	15.9	590	2.43	3.7	.1	4.3	1.4	11.9	.10	.40	.04	103	1.15	.033	5.3	44.9	.91	223.7	.360	3	1.93	.018	.02	<.2	<.02	13	.1	<.02	5.9
GEBD-18175	.22	52.80	5.54	52.6	21	38.7	16.5	651	3.31	19.6	.3	31.4	3.8	21.6	.09	.58	.08	104	.93	.050	10.6	70.9	.91	138.3	.256	2	2.30	.013	.06	<.2	.03	51	<.1	<.02	6.5
GEBD-18145	.72	44.77	9.79	60.9	18	52.0	19.3	742	3.46	6.7	.4	2.5	4.3	17.3	.10	.76	.15	100	.83	.052	16.3	78.0	1.24	241.4	.272	2	2.23	.012	.12	<.2	.04	38	.4	.03	6.5
GEBD-18176	.28	85.12	3.33	56.0	64	63.3	35.9	1065	4.01	102.6	.2	14.5	1.7	14.1	.20	.91	.06	142	.99	.047	7.0	103.2	1.81	296.0	.337	3	3.26	.022	.04	<.2	.04	55	.3	.02	8.9
GEBD-18168	.30	54.12	5.36	57.1	10	50.1	22.6	882	3.43	7.6	.2	3.5	2.7	17.0	.12	.62	.09	118	1.01	.040	9.7	76.1	1.28	393.8	.320	2	2.48	.015	.04	<.2	.03	18	.2	.02	7.4
GEBD-18178	.36	81.90	2.75	52.5	23	83.8	42.3	1337	4.36	70.3	.2	10.5	1.2	26.7	.13	.96	.05	149	1.05	.055	4.8	108.0	2.04	167.8	.366	3	3.86	.013	.03	.2	.02	47	.3	<.02	9.7
PPD-18159	.22	70.77	5.96	51.5	12	47.5	18.9	846	3.16	6.6	.1	4.2	1.8	11.3	.09	.76	.07	114	.88	.030	7.6	75.7	1.23	714.7	.317	2	2.19	.012	.03	<.2	.02	25	.1	.02	6.8
GEBD-18164	.21	45.31	2.92	43.6	11	36.7	18.2	662	2.66	11.8	.1	2.7	.9	11.7	.10	.37	.04	108	1.29	.050	3.8	45.6	.99	150.3	.368	3	2.33	.018	.02	<.2	<.02	22	.1	<.02	6.8
GEBD-18146	.75	33.69	9.24	54.5	18	46.7	17.9	635	3.18	6.4	.5	3.1	4.6	14.5	.09	.68	.11	86	.69	.035	18.4	63.5	1.12	327.2	.228	2	2.13	.009	.11	<.2	.04	28	.2	<.02	5.9
PPD-18160	.30	53.28	4.77	53.3	9	56.9	22.4	1027	3.49	6.2	.1	3.5	1.5	10.7	.13	.71	.09	137	1.06	.030	6.6	85.4	1.44	486.4	.394	3	2.66	.017	.02	<.2	.02	15	.3	.08	8.1
GEBD-18174	.23	41.18	4.68	43.7	3	29.7	14.5	810	2.52	25.9	.3	5.7	4.4	17.9	.08	.50	.08	79	.77	.052	14.6	46.2	.75	123.8	.224	3	1.88	.012	.04	<.2	.04	30	<.1	.03	5.4
GEBD-18149	.44	50.17	15.61	78.2	12	52.2	17.7	682	3.65	6.9	.6	2.2	6.8	21.4	.16	.68	.22	94	.85	.076	21.9	77.7	1.15	287.1	.249	2	2.34	.012	.15	<.2	.06	51	.2	.03	7.1
RE GEBD-18149	.42	49.13	14.83	77.5	10	51.4	16.9	674	3.61	6.3	.6	3.4	6.4	20.8	.16	.69	.20	92	.83	.075	21.1	76.4	1.15	285.7	.244	2	2.32	.012	.15	<.2	.05	45	.2	.03	6.7
PPD-18156	.21	66.21	4.75	50.2	14	38.1	16.4	657	2.87	3.2	.2	3.8	1.4	19.5	.12	.37	.05	114	1.41	.051	6.4	50.3	1.03	207.1	.358	3	2.35	.025	.03	<.2	.02	18	<.1	.02	7.0
GEBD-18162	.20	66.07	4.14	39.3	4	39.4	16.2	617	2.45	4.0	.1	1.5	1.4	12.6	.10	.42	.05	102	1.11	.035	5.5	46.2	.90	216.2	.350	3	1.92	.016	.02	<.2	<.02	24	.2	.03	6.0
GEBD-18166 S-1	1.02	30.84	8.91	53.3	31	12.7	12.6	475	3.99	2.0	.6	2.0	2.8	46.7	.09	.10	.16	155	.47	.044	11.3	42.6	.54	93.2	.372	1	4.19	.133	.06	.2	.13	37	.3	.04	10.6
GEBD-18165	.18	46.97	4.50	42.3	16	43.9	16.9	666	2.51	4.5	.1	9.3	1.4	10.9	.08	.55	.06	97	.96	.029	5.1	57.6	1.03	312.0	.343	2	1.82	.009	.02	<.2	<.02	14	.1	.03	5.7
GEBD-18158	.26	66.50	5.66	62.0	12	51.0	30.0	1255	4.53	8.6	.1	4.2	1.4	12.4	.15	.76	.07	140	.73	.052	6.1	100.7	1.73	397.0	.245	1	2.70	.009	.03	<.2	.02	18	.2	.02	8.4
GEBD-18170	.27	82.95	11.20	60.3	15	34.6	14.5	583	2.72	5.7	.3	4.9	3.3	27.0	.10	.55	.15	88	.72	.035	15.2	53.9	.84	634.8	.226	2	1.77	.015	.03	<.2	.03	22	.2	.06	5.6
PPD-18157	.22	39.40	4.04	44.9	18	34.0	18.4	564	2.20	3.4	.2	23.7	1.4	11.4	.10	.39	.05	89	.91	.048	4.8	38.2	.78	193.1	.290	2	1.82	.011	.02	<.2	<.02	19	.2	<.02	5.4
GEBD-18171	2.68	223.89	6.81	55.5	25	66.6	54.4	1503	6.44	193.3	.2	22.7	2.1	7.6	.13	5.40	.27	195	.59	.044	6.2	116.6	1.95	188.1	.368	3	2.87	.011	.03	.4	.04	52	2.3	.11	9.3
GEBD-18155	.40	47.38	7.28	55.7	20	43.5	20.1	814	3.22	4.5	.4	1.8	4.0	18.6	.15	.50	.11	97	.79	.069	13.2	67.7	.97	246.7	.262	2	2.32	.015	.06	<.2	.04	19	.3	.04	7.0
GEBD-18179	.55	54.71	4.70	59.3	93	46.6	33.8	1024	4.07	6.5	.3	2.1	1.0	17.7	.18	.49	.07	126	1.05	.061	7.4	75.9	1.05	123.3	.284	3	3.24	.019	.03	<.2	.02	74	.5	.02	9.0
GEBD-18151	.41	47.51	10.72	60.2	23	46.6	17.6	764	3.40	5.0	.5	2.5	4.7	19.9	.17	.64	.14	99	.82	.072	17.8	73.6	1.15	314.3	.280	2	2.30	.013	.19	<.2	.05	39	.2	.03	6.8
GEBD-18167	.23	54.57	5.06	47.4	3	41.5	21.8	871	2.94	8.8	.1	3.4	1.4	11.8	.09	.72	.07	111	1.00	.046	5.3	60.4	1.14	323.9	.350	2	2.14	.012	.02	<.2	.02	11	.3	.02	6.8
GEBD-18152	.74	67.38	7.88	67.9	49	62.8	24.9	434	3.79	6.0	.5	2.5	3.3	9.7	.27	.59	.13	100	.41	.048	13.1	82.4	.93	232.7	.186	2	3.35	.008	.06	<.2	.06	74	.5	.02	7.4
GEBD-18163	.32	70.73	6.99	61.6	60	50.9	23.8	951	3.54	5.8	.2	2.9	2.3	27.9	.20	.69	.08	113	1.35	.061	9.1	60.5	1.43	321.3	.293	3	2.30	.019	.06	<.2	.03	32	.1	.03	8.1
STANDARD DS2	14.57	127.33	32.07	155.4	266	35.0	11.6	817	3.08	55.6	19.3	206.3	3.8	26.8	10.42	9.89	10.35	74	.52	.085	15.6	164.0	.59	160.5	.089	2	1.70	.029	.16	7.2	1.71	221	2.1	1.72	5.9

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: TILL S230 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 30 2000 DATE REPORT MAILED: Sept 12/00 SIGNED BY..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

ACME ANALYTICAL

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 FILE # A003303 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
GEBD-18141	.77	67.68	15.11	79.3	28	67.3	22.6	878	4.01	9.6	.5	2.8	5.5	21.3	.22	.82	.17	104	.68	.073	20.9	89.1	1.29	342.0	.224	2	2.47	.010	.13	<.2	.07	66	.4	<.02	7.0
GEBD-18154	.32	40.37	5.76	49.9	15	33.1	12.1	564	2.59	3.5	.3	2.9	2.7	17.5	.12	.35	.08	85	.78	.065	9.6	46.7	.74	205.0	.238	2	1.61	.013	.04	<.2	.03	25	.1	<.02	5.0
GEBD-18150	.48	77.14	15.54	91.4	69	63.0	24.1	988	4.25	7.1	.5	1.6	4.8	25.5	.20	.69	.19	107	.87	.077	16.3	96.7	1.47	318.6	.251	2	2.55	.011	.16	<.2	.07	56	.2	.04	7.3
GEBD-18177	.21	66.33	2.14	51.5	23	49.2	28.6	969	3.87	83.1	.1	5.0	1.1	32.2	.10	.73	.03	143	1.08	.040	4.1	78.4	1.53	121.8	.381	4	3.26	.013	.02	<.2	.02	35	.2	.02	9.8
GEBD-18144	.59	90.50	12.55	67.9	26	56.8	23.0	851	3.74	7.3	.5	5.2	4.8	19.7	.18	.70	.20	104	.85	.064	17.5	86.2	1.33	269.9	.268	2	2.34	.010	.12	<.2	.07	65	.3	.02	6.9
GEBD-18169	.26	49.18	5.06	43.5	20	42.0	17.7	759	2.65	5.8	.2	3.2	1.5	13.7	.06	.54	.07	103	.91	.050	5.7	55.2	.99	431.4	.313	2	1.94	.011	.03	<.2	<.02	22	.3	.02	5.9
GEBD-18147	.40	77.21	8.08	75.7	96	56.1	24.1	1074	3.88	5.7	.3	2.1	3.4	45.2	.17	.65	.13	104	2.07	.054	10.7	72.1	1.84	454.7	.253	2	2.46	.018	.14	<.2	.04	45	.3	.02	7.7
GEBD-18153	.95	43.57	9.11	65.9	41	34.3	14.1	461	4.14	5.2	.4	1.5	2.6	7.6	.17	.40	.13	121	.31	.040	12.9	74.0	.83	115.7	.216	1	2.94	.006	.04	<.2	.06	57	.4	.02	8.1
RE GEBD-18153	.94	42.58	9.16	66.1	45	32.6	13.0	453	4.09	5.4	.4	2.8	2.6	7.7	.19	.44	.13	119	.29	.039	12.8	73.9	.81	113.7	.209	1	2.90	.006	.04	<.2	.06	61	.4	.02	8.1
STANDARD DS2	13.77	124.82	34.69	158.3	259	34.9	12.0	816	3.05	55.4	20.1	204.3	3.8	29.7	10.84	9.52	10.44	76	.52	.089	15.9	159.7	.59	150.0	.088	3	1.69	.032	.16	7.3	1.88	236	2.2	1.96	5.9

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ___ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003303 Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GEBD-18172	1.13	.1	.35	.21	1.8	6.1	.7	<.01	<.05	13.0	9.96	15.3	.03	<1	.3	18.2	30
GEBD-18148	.95	.2	.31	.13	4.8	9.7	.6	<.01	<.05	10.8	15.05	21.3	.04	1	.4	21.7	30
GEBD-18173	1.07	.2	.33	.20	2.8	7.4	.6	.01	<.05	12.6	10.17	19.9	.03	<1	.4	21.9	30
GEBD-18142	1.36	.1	.21	.15	8.1	8.7	.6	<.01	<.05	11.0	16.58	41.6	.03	<1	.6	23.0	30
GEBD-18180	.69	.1	.26	.37	3.0	5.1	.4	.01	<.05	11.1	10.17	28.2	.03	1	.3	13.6	30
GEBD-18143	1.09	.1	.23	.16	6.8	8.2	.4	.01	<.05	11.5	18.10	46.7	.03	2	.5	21.2	30
GEBD-18161	.41	.1	.39	.31	1.0	5.1	.6	<.01	<.05	14.7	11.23	16.8	.03	<1	.3	12.4	30
GEBD-18175	.99	.1	.40	.07	4.0	11.7	.5	.01	<.05	15.0	15.48	21.5	.03	<1	.3	16.7	30
GEBD-18145	.61	.1	.26	.26	4.4	5.8	.5	<.01	<.05	10.1	10.33	34.3	.03	<1	.3	18.7	30
GEBD-18176	1.96	.1	.20	.40	3.5	11.7	.7	.01	<.05	9.6	15.32	28.0	.05	<1	.5	23.7	30
GEBD-18168	.74	.1	.33	.17	2.5	7.4	.8	<.01	<.05	13.4	11.08	23.7	.03	2	.2	21.9	30
GEBD-18178	1.68	.2	.41	.67	2.1	9.4	.9	.01	<.05	17.9	13.03	14.1	.04	1	.3	39.5	30
PPD-18159	.51	.2	.36	.11	1.6	9.8	.7	<.01	<.05	13.0	13.87	17.2	.03	<1	.5	23.1	30
GEBD-18164	.30	.2	.51	.44	.9	5.4	.7	<.01	<.05	18.5	11.52	11.5	.03	1	.3	10.0	30
GEBD-18146	.62	.1	.19	.40	4.8	4.7	.5	.01	<.05	7.6	8.79	38.2	.03	<1	.3	20.7	30
PPD-18160	.69	.1	.29	.29	2.1	5.4	.8	.01	<.05	10.7	10.81	19.1	.04	<1	.4	23.8	30
GEBD-18174	.66	.1	.31	.12	2.7	7.8	.6	<.01	<.05	15.2	11.88	31.7	.03	<1	.3	18.1	30
GEBD-18149	.76	.1	.31	.18	6.5	7.8	.6	<.01	<.05	13.3	14.05	43.7	.03	3	.5	20.7	30
RE GEBD-18149	.71	.1	.27	.15	6.1	7.5	.6	<.01	<.05	12.5	13.57	41.0	.03	<1	.4	20.1	30
PPD-18156	.48	.2	.44	.09	1.3	8.6	.7	<.01	<.05	17.1	15.64	15.2	.03	<1	.3	13.0	30
GEBD-18162	.41	.2	.37	.38	1.1	5.7	.7	.01	<.05	14.8	11.17	19.0	.03	1	.4	13.1	30
GEBD-18166 S-1	1.28	.1	.62	.45	4.9	9.1	1.5	.02	<.05	38.7	14.43	30.8	.06	<1	.7	10.8	30
GEBD-18165	.55	.1	.23	.46	1.4	5.1	.7	.01	<.05	9.8	10.90	19.0	.02	1	.3	17.3	30
GEBD-18158	1.29	.1	.20	.13	2.4	12.9	.5	.01	<.05	8.5	13.06	18.0	.05	<1	.5	27.1	30
GEBD-18170	.82	.1	.24	.14	2.6	7.6	.6	.01	<.05	13.7	11.03	41.4	.03	<1	.3	13.3	30
PPD-18157	.47	.1	.33	.61	1.1	4.6	.6	.02	<.05	13.2	9.85	12.1	.02	<1	.3	10.6	30
GEBD-18171	2.11	.2	.28	.55	2.2	12.9	1.0	.02	<.05	12.3	14.27	26.0	.06	2	.6	50.2	30
GEBD-18155	.56	.1	.24	.22	3.9	6.9	.6	.01	<.05	11.0	11.29	31.9	.03	<1	.3	16.7	30
GEBD-18179	.92	.1	.15	1.03	2.9	9.0	.8	.05	<.05	8.9	23.73	16.6	.05	<1	.5	17.0	30
GEBD-18151	.50	.1	.20	.28	4.7	7.2	.6	.02	<.05	9.9	13.75	34.8	.03	2	.4	19.4	30
GEBD-18167	.46	.1	.36	.28	1.5	6.5	.7	.01	<.05	13.3	12.21	18.6	.03	2	.2	22.4	30
GEBD-18152	1.12	.1	.14	1.40	10.8	5.8	.7	.03	<.05	7.1	8.44	34.0	.04	<1	.6	28.6	30
GEBD-18163	.95	.2	.35	.07	3.2	8.7	.7	.03	<.05	12.9	14.79	20.4	.03	<1	.3	22.1	30
STANDARD DS2	3.34	.1	.02	1.30	13.0	2.9	26.1	.03	<.05	2.9	7.49	30.5	5.38	3	.4	13.8	30

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: TILL S230 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 30 2000 DATE REPORT MAILED: Sept 12/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GEBD-18141	.99	.1	.20	.28	6.7	7.3	.6	.02	<.05	7.9	15.34	40.0	.03	2	.6	24.0	30
GEBD-18154	.38	.1	.35	.10	2.2	6.2	.5	.03	<.05	12.0	11.48	18.5	.02	<1	.3	10.8	30
GEBD-18150	.81	.1	.33	.10	5.6	8.7	.6	.05	<.05	11.7	14.84	30.5	.03	<1	.4	21.2	30
GEBD-18177	1.97	.1	.41	.59	1.7	8.7	.7	.07	<.05	15.1	13.74	18.7	.04	<1	.5	27.8	30
GEBD-18144	.67	.1	.32	.23	4.1	7.4	.5	.06	<.05	10.6	14.81	33.9	.02	<1	.3	19.5	30
GEBD-18169	.50	.1	.33	.47	1.3	5.2	.6	.05	<.05	11.2	12.29	17.4	.03	<1	.4	16.7	30
GEBD-18147	.78	.1	.39	.07	5.2	6.5	.5	.03	<.05	11.9	12.78	21.7	.02	1	.3	22.6	30
GEBD-18153	1.34	<.1	.11	1.55	9.6	3.6	.8	.02	<.05	4.4	5.97	25.1	.03	2	.5	28.1	30
RE GEBD-18153	1.40	<.1	.10	1.58	9.5	3.7	.8	.04	<.05	4.2	6.01	24.9	.03	<1	.5	26.6	30
STANDARD DS2	3.26	.1	.04	1.29	14.3	2.9	26.6	.02	<.05	2.9	8.12	31.2	5.58	5	.7	14.7	30

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

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

WHOLE ROCK ICP ANALYSIS

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003303R Page 1

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GEBD-18172	62.56	11.32	7.18	4.12	4.96	2.13	.44	1.42	.10	.13	.024	352	57	117	160	26	<10	29	5.5	.31	<.01	99.97
GEBD-18148	57.77	12.28	9.99	4.47	3.73	1.55	1.42	1.37	.17	.22	.018	1147	68	109	133	36	13	30	6.7	.09	<.01	99.87
GEBD-18173	64.89	11.31	6.80	3.42	3.74	1.95	.64	1.33	.09	.14	.018	450	47	118	250	28	<10	25	5.7	.33	<.01	100.14
GEBD-18142	59.72	13.38	9.04	3.43	2.19	1.51	1.80	1.29	.23	.16	.020	1314	80	91	156	37	<10	25	7.0	.33	<.01	99.97
GEBD-18180	63.09	12.42	6.84	3.33	3.61	2.02	1.25	1.19	.14	.12	.016	794	67	137	120	27	<10	22	5.8	.50	<.01	99.96
GEBD-18143	61.33	12.97	8.36	3.06	2.26	1.47	2.02	1.22	.22	.22	.019	1190	82	95	187	40	10	24	6.4	.24	<.01	99.74
GEBD-18161	63.39	10.80	6.48	4.37	6.09	2.49	.44	1.54	.08	.14	.026	605	59	134	176	30	<10	32	4.0	.40	<.01	99.97
GEBD-18175	66.60	11.14	6.97	2.54	3.03	1.83	.89	1.23	.12	.11	.012	398	43	118	277	35	<10	25	5.5	.12	<.01	100.08
GEBD-18145	65.23	11.74	7.26	3.31	2.82	1.65	1.46	1.40	.17	.13	.021	1091	63	99	169	31	10	22	4.6	.20	<.01	99.96
GEBD-18176	56.86	12.36	8.30	4.60	3.99	1.85	.54	1.44	.15	.18	.026	510	72	99	162	34	<10	31	9.7	1.28	.01	100.10
GEBD-18168	62.80	12.04	7.40	3.75	3.92	2.08	1.05	1.44	.13	.15	.023	917	56	129	177	29	<10	25	4.8	.25	<.01	99.74
GEBD-18178	50.99	13.37	8.97	5.40	4.83	1.75	.45	1.39	.17	.22	.029	362	103	106	111	28	<10	31	12.3	1.98	.02	99.96
PPD-18159	65.38	10.50	7.19	4.12	4.37	2.08	.60	1.45	.10	.16	.025	1376	80	108	149	31	<10	31	3.7	.08	<.01	99.88
GEBD-18164	59.76	11.29	7.22	4.75	6.97	2.43	.39	1.64	.13	.15	.031	522	61	123	149	29	<10	34	5.2	.63	<.01	100.07
GEBD-18146	66.74	11.49	6.81	3.12	2.63	1.67	1.39	1.40	.09	.11	.019	1121	61	93	209	31	12	21	4.3	.36	<.01	99.95
PPD-18160	61.50	11.41	7.88	4.92	4.93	2.17	.49	1.48	.10	.19	.029	1148	74	106	139	28	<10	28	4.9	.44	<.01	100.18
GEBD-18174	70.88	10.30	5.43	2.33	2.83	1.87	.83	1.23	.15	.14	.013	377	33	117	372	37	16	22	3.8	.21	<.01	99.92
GEBD-18149	63.26	13.13	7.59	3.02	2.57	1.63	1.70	1.31	.17	.11	.016	1063	61	99	202	33	13	23	5.3	.17	<.01	99.98
RE GEBD-18149	63.26	13.02	7.53	3.00	2.57	1.63	1.88	1.30	.17	.11	.015	1064	98	100	223	35	14	22	5.3	.15	<.01	99.97
PPD-18156	62.14	11.48	7.17	4.33	6.09	2.57	.48	1.53	.11	.14	.025	592	44	137	141	32	<10	34	3.9	.09	<.01	100.08
GEBD-18162	63.40	10.81	6.59	4.30	6.02	2.47	.46	1.54	.08	.14	.028	606	63	134	168	31	<10	32	4.1	.46	<.01	100.06
GEBD-18166 S-1	53.55	18.18	8.89	2.34	4.01	3.02	1.00	1.40	.14	.14	.007	370	<20	338	173	29	<10	23	7.2	.65	<.01	99.99
GEBD-18165	63.61	10.34	6.55	4.69	5.85	2.27	.49	1.55	.08	.15	.029	788	58	115	157	30	<10	32	4.3	.47	<.01	100.05
GEBD-18158	60.62	13.13	8.62	3.89	2.73	2.32	.65	1.62	.15	.19	.021	886	71	108	147	30	<10	28	6.2	.24	<.01	100.29
GEBD-18170	68.27	10.66	6.23	3.04	3.43	1.76	.88	1.23	.08	.11	.020	1464	32	129	203	29	12	25	4.0	.22	<.01	99.93
PPD-18157	64.09	10.41	6.05	3.87	5.58	2.35	.50	1.45	.14	.13	.026	644	55	134	198	28	<10	28	5.1	.75	<.01	99.83
GEBD-18171	56.51	11.26	12.11	4.37	2.63	1.73	.47	1.38	.14	.22	.023	448	76	74	160	27	<10	28	9.0	.80	.01	99.94
GEBD-18155	63.76	12.84	6.93	3.02	3.24	1.88	1.52	1.28	.17	.14	.018	1020	58	138	190	28	<10	23	4.8	.26	<.01	99.77
GEBD-18179	47.60	12.48	8.75	3.59	4.39	1.68	.60	1.30	.27	.18	.026	542	51	102	111	41	<10	28	19.0	4.77	.04	99.97
GEBD-18151	65.11	12.00	7.41	3.05	2.95	1.87	1.21	1.39	.18	.13	.018	907	60	110	211	34	<10	22	4.5	.26	<.01	99.98
GEBD-18167	62.86	11.11	7.26	4.45	5.56	2.35	.50	1.64	.14	.17	.029	817	63	120	170	32	<10	31	3.9	.28	<.01	100.11
GEBD-18152	55.34	13.12	7.89	2.55	1.92	1.33	1.07	1.21	.17	.08	.020	810	74	86	172	26	13	19	15.1	3.45	.02	99.94
GEBD-18163	61.41	11.76	7.91	4.45	5.15	2.30	.81	1.36	.16	.17	.022	839	69	133	132	32	<10	29	4.5	.10	<.01	100.15
STANDARD SO-15/CSB	49.59	12.34	7.30	7.26	5.87	2.41	1.85	1.74	2.70	1.39	1.057	2080	79	396	994	22	18	12	5.9	2.37	5.26	99.84

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: TILL S230 40C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 7/00 SIGNED BY .....C. Leong.....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GEBD-18141	61.59	12.76	7.95	3.24	2.29	1.55	1.65	1.34	.20	.14	.018	1112	88	96	192	34	13	23	6.7	.46	.01	99.61
GEBD-18154	66.63	11.28	6.03	3.02	3.94	2.03	1.07	1.36	.19	.12	.017	867	94	147	194	31	10	26	3.7	.07	.01	99.55
GEBD-18150	59.51	13.10	8.61	3.70	3.01	1.43	1.70	1.30	.19	.16	.018	1081	80	104	172	34	<10	27	6.7	.18	<.01	99.60
GEBD-18177	55.45	12.45	7.96	4.79	5.35	2.20	.32	1.53	.16	.17	.027	294	76	132	172	29	<10	33	9.2	1.38	<.01	99.70
GEBD-18144	62.81	12.10	7.64	3.49	3.16	1.61	1.45	1.44	.17	.14	.018	943	82	109	213	35	10	26	5.4	.20	<.01	99.59
GEBD-18169	64.71	10.41	6.16	3.88	4.97	2.17	.57	1.54	.14	.15	.025	899	91	125	193	30	<10	28	4.8	.57	<.01	99.69
GEBD-18147	60.46	11.41	7.86	4.45	4.86	1.39	1.16	1.17	.17	.17	.017	1182	75	118	149	29	<10	24	6.3	.57	<.01	99.60
GEBD-18153	58.12	12.32	7.97	2.37	1.77	1.31	1.05	1.40	.14	.08	.016	615	51	96	191	24	14	17	13.1	2.81	.01	99.77
RE GEBD-18153	58.04	12.23	7.89	2.43	1.78	1.32	1.05	1.40	.12	.08	.016	616	67	95	186	25	11	17	13.1	2.81	.01	99.58
STANDARD SO-15/CSB	49.52	12.32	7.25	7.21	5.83	2.39	1.84	1.78	2.68	1.38	1.053	1993	82	393	996	22	26	12	5.9	2.44	5.37	99.57

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003304 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
GEBX-14080	.42	68.16	4.97	62.2	61	44.9	21.6	808	3.49	4.9	.5	9.4	1.4	30.1	.17	.57	.09	122	1.59	.059	6.6	61.5	1.26	192.1	.361	4	2.43	.019	.06	<.2	.03	51	1.0	.04	7.7
PPX-14049	.87	218.84	13.76	69.3	1449	44.4	11.7	916	2.14	7.1	3.5	8.9	.5	62.1	.69	1.02	.14	50	2.33	.124	36.1	76.8	.49	239.9	.045	6	1.53	.013	.19	.3	.07	361	3.2	.03	2.6
PPX-14045	.64	53.37	5.44	37.7	196	122.5	13.2	851	1.94	6.5	1.3	1.3	.7	46.9	.25	.42	.07	77	1.82	.082	6.2	102.1	.79	133.1	.101	7	1.47	.011	.10	<.2	.06	99	4.1	<.02	3.8
PPX-14052	.60	41.26	4.41	64.5	108	23.7	19.8	3923	2.93	31.2	.3	2.8	.6	36.2	.25	.56	.06	94	1.97	.079	6.1	48.8	.54	150.2	.118	4	1.56	.011	.11	<.2	.04	157	.6	.03	4.2
PPX-14048	1.51	56.07	6.41	93.3	230	37.6	28.1	7643	3.67	5.2	.9	9.4	1.0	38.2	.82	.52	.35	82	1.20	.089	12.7	35.7	.53	1258.1	.118	4	1.72	.009	.11	.3	.10	141	.5	.08	3.9
PPX-14042	.84	51.61	5.22	53.1	458	27.1	10.9	958	1.89	2.1	1.1	1.9	.2	34.4	.68	.22	.07	65	1.53	.140	19.7	80.3	.59	167.5	.096	4	2.22	.012	.21	<.2	.05	191	8.7	.03	3.9
PPX-14054	2.37	39.89	5.52	141.7	255	45.8	82.6	32559	4.26	7.3	.4	4.3	.3	37.6	.79	.31	.06	101	1.27	.129	13.7	43.5	.38	987.7	.071	3	2.53	.014	.24	<.2	.08	197	.5	.02	3.7
PPX-14041	.91	48.29	5.83	54.5	434	26.6	11.6	862	2.01	2.1	1.0	1.6	.2	32.8	.58	.21	.08	69	1.44	.133	17.9	78.1	.61	171.5	.106	5	2.23	.013	.21	<.2	.04	174	7.3	.02	4.6
PPX-14051	1.05	314.32	8.47	117.3	641	74.6	10.1	1792	1.93	44.6	1.7	10.8	.2	60.7	.45	2.39	.11	50	3.04	.157	9.5	74.1	.65	434.1	.035	12	1.57	.008	.15	<.2	.06	331	4.5	.04	3.6
GEBX-14099 STSD-4	1.22	63.09	13.59	78.3	316	21.9	9.8	1226	2.46	11.3	1.9	3.1	1.8	65.8	.38	5.80	.20	52	1.10	.088	13.5	32.9	.69	1056.0	.067	4	1.15	.032	.12	<.2	.10	1037	.7	.03	3.6
PPX-14047	.33	45.54	4.00	37.1	79	169.0	18.6	929	2.24	1.7	.3	1.8	1.4	35.6	.14	.19	.06	57	1.22	.059	6.1	80.9	1.48	107.9	.109	4	1.59	.011	.07	<.2	.04	70	2.1	.02	3.9
RE PPX-14047	.31	42.95	3.93	35.8	79	153.9	16.5	868	2.19	1.7	.3	1.3	1.5	32.0	.13	.20	.06	57	1.19	.058	6.5	80.0	1.43	106.2	.118	3	1.58	.011	.07	<.2	.03	71	1.9	<.02	3.8
PPX-14053	.54	63.38	4.99	46.3	159	27.2	13.1	1413	2.23	14.5	.5	3.6	.8	33.8	.32	.87	.05	84	2.02	.094	13.1	76.0	.72	86.8	.157	6	1.73	.012	.14	<.2	.04	204	2.3	<.02	4.3
PPX-14046	.44	45.30	5.82	38.8	93	101.8	15.0	582	2.11	3.2	.9	2.4	1.5	26.4	.15	.28	.06	71	1.20	.047	6.1	70.9	1.23	223.7	.136	4	1.66	.012	.08	<.2	.03	67	2.0	<.02	4.5
PPX-14050	.89	68.13	5.69	85.1	280	38.2	17.7	1714	2.91	3.8	.6	3.0	.3	39.1	.38	.40	.08	93	1.77	.124	10.2	69.8	.65	318.1	.108	5	2.55	.011	.19	<.2	.06	261	1.5	<.02	5.1
PPX-14055	5.79	33.49	6.49	121.1	266	38.5	79.4	39285	5.96	12.9	.5	2.0	.4	47.7	.86	.40	.09	122	1.39	.114	9.7	41.2	.39	1308.0	.069	3	1.76	.008	.07	<.2	.14	277	1.1	.03	4.8
GEBX-14079	.96	134.57	6.53	76.3	130	40.3	17.4	1245	3.06	17.3	.2	4.1	.3	54.9	.38	1.78	.06	108	2.15	.109	6.0	56.5	1.01	112.6	.126	8	1.74	.012	.12	<.2	.04	165	3.5	<.02	5.4
STANDARD DS2	14.15	129.61	31.33	158.3	260	37.0	11.7	837	3.08	64.1	19.8	195.2	3.4	24.8	10.33	9.02	10.53	72	.51	.091	13.9	156.9	.59	152.2	.082	2	1.64	.031	.15	6.8	1.72	238	2.2	1.77	5.6

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: MOSS MAT S140 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 30 2000 DATE REPORT MAILED: Sept 12/00 SIGNED BY. C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data 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 2398 File # A003304 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GEBX-14080	1.10	.1	.32	.94	3.7	7.2	.8	.07	<.05	12.0	16.53	13.1	.03	2	.4	16.9	30.0
PPX-14049	1.07	.1	<.02	.83	5.9	36.1	.2	.17	<.05	3.9	98.58	16.1	.02	<1	1.1	9.2	30.0
PPX-14045	2.93	.1	.06	.74	6.3	3.5	.5	.14	<.05	2.9	8.41	12.0	.02	1	.3	11.0	30.0
PPX-14052	.99	<.1	.05	.67	4.9	7.2	.4	.16	<.05	2.6	18.28	11.5	.03	2	.3	14.5	30.0
PPX-14048	.56	.1	<.02	.64	4.3	5.0	1.1	.10	<.05	1.8	21.36	23.5	.14	2	.3	9.1	30.0
PPX-14042	.48	.1	<.02	1.10	4.2	5.6	.4	.15	<.05	1.5	40.91	17.6	.04	5	.6	8.7	30.0
PPX-14054	.50	.1	<.02	.32	6.3	7.8	.4	.16	<.05	1.1	33.25	58.6	.04	<1	.6	7.4	15.0
PPX-14041	.46	.1	<.02	1.19	4.3	6.2	.5	.14	<.05	2.0	38.47	17.7	.04	6	.4	9.5	30.0
PPX-14051	2.52	.1	<.02	.46	6.4	7.1	.4	.21	<.05	1.5	33.87	13.2	.04	3	.5	12.7	15.0
GEBX-14099 STSD-4	.95	.1	<.02	.86	7.2	2.8	1.1	.09	<.05	1.2	10.60	26.4	.04	3	.3	10.3	7.5
PPX-14047	1.06	.1	.05	.52	5.6	3.0	.3	.07	<.05	2.9	6.88	12.9	.03	1	.3	10.9	30.0
RE PPX-14047	1.04	.1	.04	.51	5.5	3.0	.3	.05	<.05	2.7	6.57	13.5	.03	2	.2	9.7	30.0
PPX-14053	1.21	.1	.13	.79	3.5	16.9	.5	.15	<.05	7.2	39.06	11.1	.03	1	.4	14.3	30.0
PPX-14046	.86	.1	.08	.67	4.5	3.2	.4	.05	<.05	4.5	6.97	13.7	.03	2	.2	11.7	30.0
PPX-14050	1.25	.1	.06	.85	4.9	13.8	.5	.19	<.05	3.8	37.71	13.1	.03	<1	.5	12.4	30.0
PPX-14055	.85	.2	<.02	.38	3.8	8.0	.4	.17	<.05	1.5	28.10	22.3	.02	<1	.5	8.0	15.0
GEBX-14079	2.03	.1	.06	.86	4.0	11.0	.4	.19	<.05	3.7	32.25	9.6	.03	2	.4	14.8	15.0
STANDARD DS2	3.05	.1	.05	1.35	12.6	2.7	24.4	.04	<.05	3.0	7.52	28.2	5.01	2	.5	15.0	30.0

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: MOSS MAT S140 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 30 2000 DATE REPORT MAILED: Sept 12/00 SIGNED BY. C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003304R

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	LOI %
GEBX-14080	11.7
PPX-14049	62.8
PPX-14045	40.0
PPX-14052	42.7
PPX-14048	38.1
PPX-14042	48.9
PPX-14054	54.4
PPX-14041	44.5
PPX-14051	69.8
GEBX-14099 STSD-4	12.4
PPX-14047	19.7
RE PPX-14047	19.7
PPX-14053	45.2
PPX-14046	27.1
PPX-14050	56.7
PPX-14055	48.7
GEBX-14079	48.5
STANDARD DOLOMITE	46.0

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

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 4/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003305 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
PPR-14113	2.16	166.21	11.17	32.3	48	31.4	11.1	322	8.07	11.8	<.1	9.5	1.4	11.2	.05	.40	.57	141	.76	.036	2.8	76.6	.87	117.6	.396	2	1.55	.020	.05	.6	.05	34	4.1	.70	9.2
PPR-14117	.43	47.04	1.62	69.9	15	51.5	25.2	746	4.13	.4	<.1	1.5	.6	18.5	.13	.15	.02	141	2.54	.044	3.2	67.6	1.64	96.9	.410	6	3.54	.063	.04	.3	<.02	11	.3	<.02	10.8
PPR-14120	94.41	287.62	17.99	20.2	210	25.7	105.1	133	15.58	44.3	1.4	25.8	1.1	5.7	.07	5.26	7.18	78	.15	.024	4.7	40.1	.22	21.5	.136	1	.59	.009	.10	1.3	.17	136	24.0	1.98	4.3
PPR-14111	.65	108.09	1.10	51.6	17	46.5	22.6	745	5.47	8.7	<.1	1.6	.4	16.9	.05	.18	.04	134	1.37	.058	3.4	36.0	1.86	48.2	.418	3	2.61	.035	.04	.6	.02	17	.5	.02	9.4
PPR-14116	2.04	59.35	.37	76.1	58	45.9	19.0	484	2.70	4.5	<.1	.9	.1	19.1	.46	.63	.04	101	5.01	.037	1.3	107.3	1.15	165.5	.291	5	3.36	.036	.02	1.3	<.02	45	.4	.02	13.1
PPR-14119	20.44	159.72	12.99	18.0	76	18.3	36.8	128	7.39	31.3	.4	14.5	1.9	8.2	.07	3.61	2.54	85	.17	.057	5.5	40.2	.32	143.3	.172	2	.71	.009	.21	1.2	.10	74	11.7	1.89	5.5
PPR-14112	.72	71.53	2.58	68.0	40	28.0	22.1	795	4.75	3.5	.1	1.7	.2	13.6	.13	.39	.03	131	1.37	.066	2.9	14.6	2.04	9.9	.381	4	2.55	.091	.04	.5	.02	33	.4	.04	9.5
PPR-14115	2.43	2225.40	7.04	186.5	410	27.0	16.0	207	5.82	2.7	<.1	1.6	.4	2.4	.29	.28	1.64	25	.35	.003	1.8	26.8	.36	20.2	.051	<1	.71	.007	.01	3.0	<.02	88	1.6	.56	3.2
PPR-14118	.39	25.69	.51	60.0	10	37.1	28.7	942	5.65	2.1	<.1	.7	.1	9.2	.03	.07	<.02	188	2.37	.081	3.0	37.5	2.26	51.6	.428	4	3.81	.035	.01	.3	<.02	<5	.1	.05	13.6
PPR-14114	.84	57.02	1.06	53.9	22	38.8	21.7	607	3.95	1.0	<.1	1.2	.2	14.9	.09	.41	<.02	131	2.10	.058	2.9	43.0	1.44	13.4	.419	5	2.51	.050	.03	.8	<.02	29	.2	.04	9.6
RCPR-14122	.44	41.26	.55	68.9	32	19.3	31.5	933	6.80	<.1	<.1	.6	<.1	9.5	.05	.11	.04	294	1.52	.093	2.2	5.9	1.79	73.7	.458	3	3.12	.038	.03	.2	<.02	11	.8	.08	13.5
RCPR-14125	.90	49.15	1.19	54.1	18	67.0	28.6	874	4.88	.8	<.1	.7	.2	15.2	.06	.48	.02	177	2.88	.055	2.2	110.3	2.27	23.2	.382	8	3.97	.056	.03	.5	<.02	9	<.1	<.02	13.0
RCPR-14123	1.26	1561.65	7.61	1346.9	411	39.0	38.9	631	4.63	4.2	.2	3.2	.1	14.8	4.36	.66	.40	149	1.53	.049	1.4	29.3	1.33	31.7	.410	2	2.23	.158	.08	.3	.03	1337	4.0	.09	9.2
RCPR-14133 S-1	1.11	32.84	9.33	53.5	53	12.9	13.4	477	4.06	2.6	.6	1.3	3.1	47.0	.07	.08	.15	164	.46	.045	11.7	44.3	.54	98.9	.372	1	4.21	.117	.06	<.2	.13	46	.4	.04	10.9
RCPR-14121	.55	44.56	.55	65.7	140	19.6	26.1	816	5.99	<.1	<.1	1.9	<.1	11.0	.06	.13	.02	279	1.70	.090	2.1	10.2	1.60	78.7	.439	3	2.98	.041	.02	.4	<.02	12	.5	<.02	13.3
RCPR-14124	4.70	3816.96	132.50	147.4	4316	62.2	83.5	481	14.34	21.6	.5	79.7	.1	10.6	.38	8.97	5.59	137	1.44	.031	.8	46.6	.87	16.1	.351	1	2.03	.076	.08	<.2	.10	906	27.6	.52	7.9
GEBR-14149	.76	240.56	8.83	73.7	52	26.0	13.2	655	2.26	7.7	.3	.7	3.9	4.3	.10	.14	.28	31	.24	.023	5.4	27.0	.77	106.7	.137	1	1.25	.018	.19	1.3	.03	47	.2	.07	5.6
RE GEBR-14149	.78	238.44	8.58	73.9	157	26.5	13.2	657	2.26	7.9	.3	1.0	3.7	4.1	.11	.15	.26	31	.24	.023	5.2	26.4	.78	103.9	.136	2	1.25	.018	.18	1.3	.03	59	.2	.06	5.6
RRE GEBR-14149	.74	212.83	8.38	47.9	60	26.4	12.5	664	2.22	8.3	.3	<.2	3.7	3.2	.03	.13	.26	25	.20	.023	4.5	25.0	.76	77.8	.126	1	1.16	.009	.14	1.3	.02	21	<.1	.03	5.2
GEBR-14147	1.09	149.06	9.89	50.9	97	22.6	9.5	483	1.91	2.1	.3	.4	3.9	4.0	.07	.18	.25	22	.21	.019	9.9	24.4	.68	68.5	.126	1	1.04	.010	.13	1.3	.02	19	.1	.05	4.6
GEBR-14141	2.99	11.07	.70	6.5	7	20.6	3.5	98	.66	.8	.3	.5	1.6	5.3	.01	.10	.02	61	.13	.013	5.4	53.9	.53	125.3	.066	<1	.39	.017	.01	4.1	<.02	<5	<.1	<.02	2.1
GEBR-14146	.68	5.80	.18	50.4	24	27.7	21.8	761	4.80	.8	<.1	2.2	.1	10.2	.02	.11	<.02	173	2.86	.078	3.3	21.9	1.60	31.0	.324	6	3.20	.030	.01	.5	<.02	9	<.1	<.02	13.0
GEBR-14152	.28	277.33	.58	71.5	14	36.6	32.6	1094	6.00	5.6	<.1	1.4	.1	8.2	.06	.08	.02	210	1.82	.093	3.9	50.8	2.59	36.2	.394	2	3.93	.020	.01	.2	<.02	<5	<.1	<.02	12.6
GEBR-14142	1.26	10.90	.51	8.3	3	25.0	5.4	127	.79	1.0	.3	<.2	2.9	13.8	<.01	.11	<.02	63	.23	.017	7.1	44.5	.82	301.6	.119	<1	.63	.015	.03	2.0	<.02	<5	<.1	.02	2.8
GEBR-14148	720.40	80769.70	166.19	119.5	8442	80.7	85.5	107	16.36	13.1	<.1	79.8	1.8	4.7	.63	2.59	24.66	55	.12	.071	2.8	70.2	.42	20.8	.103	<1	.71	.004	.14	3.9	.69	184	23.5	1.63	10.1
STANDARD DS2	13.72	125.45	32.11	152.2	253	34.5	11.7	806	3.01	57.2	18.2	199.8	3.6	25.4	10.50	9.75	10.56	73	.49	.089	14.6	154.9	.57	159.2	.086	1	1.61	.027	.15	8.0	1.78	232	2.3	2.01	5.7

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: ROCK R150 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 30 2000 DATE REPORT MAILED: Sept 14/00 SIGNED BY. C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

ACM[illegible]ALY[illegible]L L[illegible]ATO[illegible] LT[illegible] [illegible] E. [illegible]ING[illegible] [illegible] [illegible]OUV[illegible] C [illegible] 1R6[illegible] PH[illegible] (60[illegible] 3-3[illegible] FAX[illegible])25[illegible] 716[illegible]
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003305 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
PPR-14113	.25	<.1	.56	.20	2.4	5.2	1.1	.01	<.05	20.0	4.85	6.5	.28	1	.1	5.5	30
PPR-14117	.19	<.1	.62	.18	1.5	6.3	.9	.01	<.05	26.8	12.43	9.6	.04	<1	.3	8.4	30
PPR-14120	.66	.2	.28	.59	3.9	4.2	6.8	6.93	<.05	7.9	8.32	11.6	<.02	91	.2	2.9	30
PPR-14111	.38	.1	.46	.07	1.4	4.5	.5	.01	<.05	13.6	12.69	8.7	.04	<1	.3	7.7	30
PPR-14116	2.89	.3	.28	.02	1.4	7.1	.5	.08	<.05	9.6	11.57	3.9	.03	<1	.2	12.2	30
PPR-14119	1.05	.1	.29	.62	7.1	4.7	9.7	.34	<.05	9.0	10.48	9.6	.03	3	.2	3.5	30
PPR-14112	1.26	.2	.18	.04	.9	4.1	.9	.17	<.05	8.3	16.56	8.8	.04	2	.2	18.5	30
PPR-14115	.13	.2	.09	.11	.3	1.9	3.1	4.25	<.05	2.5	2.32	5.1	.20	5	<.1	5.5	30
PPR-14118	.20	.3	.40	.05	.3	5.7	1.1	<.01	<.05	10.0	22.43	9.1	.07	<1	.2	16.4	30
PPR-14114	.78	.2	.38	.04	.6	4.3	.8	.07	<.05	15.3	14.72	8.7	.07	2	.4	11.4	30
RCPR-14122	.64	.2	.26	.03	.9	4.1	.7	.71	<.05	6.5	21.38	7.6	.09	<1	.2	9.6	30
RCPR-14125	.14	.2	.41	.04	1.1	7.1	.8	.01	<.05	13.4	19.07	6.5	.08	2	.4	20.3	30
RCPR-14123	.29	.1	.56	.03	2.0	5.8	26.0	1.08	<.05	18.7	14.73	4.9	.69	5	.1	7.3	30
RCPR-14133 S-1	1.36	.2	.72	.43	4.9	9.0	1.4	<.01	<.05	39.0	15.35	30.7	.09	<1	.8	10.8	30
RCPR-14121	.58	.2	.35	.04	.8	4.6	.6	.46	<.05	8.1	20.99	7.3	.08	<1	.3	7.6	30
RCPR-14124	.34	.3	.78	.11	2.0	6.0	17.9	13.00	<.05	21.6	10.51	3.0	.59	1	.2	6.5	30
GEBR-14149	.82	.1	.13	.18	6.8	2.7	2.0	.07	<.05	4.2	7.52	14.9	.08	<1	.3	8.3	30
RE GEBR-14149	.79	<.1	.14	.18	6.5	2.8	2.1	.05	<.05	4.1	7.45	13.9	.07	2	.3	8.0	30
RRE GEBR-14149	.77	.1	.14	.15	5.1	2.4	1.4	.04	<.05	3.2	6.61	12.6	.05	2	.2	7.5	30
GEBR-14147	.96	<.1	.15	.14	5.2	2.4	1.1	.06	<.05	3.9	8.03	26.0	.06	<1	.4	7.7	30
GEBR-14141	.04	<.1	.09	.18	.5	1.7	.2	.09	<.05	4.1	5.55	10.0	.02	<1	.1	6.9	30
GEBR-14146	.42	.2	.28	.06	.1	4.8	.5	.01	<.05	6.5	19.06	9.6	.03	5	.5	11.1	30
GEBR-14152	.25	.2	.31	.06	.4	7.8	.6	<.01	<.05	5.9	23.44	10.3	.05	<1	.3	20.8	30
GEBR-14142	.05	<.1	.15	.23	.8	2.5	.2	.11	<.05	4.8	5.60	14.2	<.02	<1	.4	10.6	30
GEBR-14148	.75	.1	.07	.78	4.4	2.6	103.4	9.28	<.05	3.7	4.21	7.1	5.61	177	.3	5.3	30
STANDARD DS2	3.27	.1	.04	1.43	12.9	2.8	26.8	.02	<.05	2.9	7.70	29.4	5.62	2	.5	14.2	30

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: ROCK R150 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 30 2000 DATE REPORT MAILED: Sept 14/00 SIGNED BY C.L......D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data J FA ___

ACME ANALYTICAL LABORATORIES LTD. E. FINCH T. VANCOUVER BC V6A 1R6 PH (604) 253-3158 FAX (604) 253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003305R

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Mo %	Cu %	Pb %	Zn %	Ag gm/mt	Ni %	Co %	Mn %	Fe %	As %	Sr %	Cd %	Sb %	Bi %	Ca %	P %	Cr %	Mg %	Al %	Na %	K %	W %	Hg %
PPR-14115	<.001	.217	<.01	.02	<.3	.002	.002	.02	6.57	<.01	<.001	<.001	<.001	<.01	.47	.002	.002	.39	.85	.04	.01	.001	<.001
RCPR-14123	<.001	.146	<.01	.13	<.3	.003	.004	.07	5.78	<.01	.003	<.001	<.001	<.01	2.19	.049	.003	1.52	3.07	.42	.15	<.001	<.001
RCPR-14124	<.001	.404	.02	.02	3.1	.006	.010	.06	16.91	<.01	.002	<.001	.002	<.01	2.31	.035	.005	1.12	2.93	.16	.15	.001	<.001
GEBR-14148	.065	7.029	.02	.04	4.8	.004	.007	.01	14.79	<.01	<.001	<.001	<.001	<.01	.13	.050	.005	.43	1.05	.01	.34	.013	<.001
RE GEBR-14148	.065	6.971	.01	.04	4.8	.003	.007	.01	14.66	<.01	.001	<.001	.001	<.01	.12	.045	.005	.41	.97	.04	.31	.013	<.001

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
- SAMPLE TYPE: ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 20 2000 DATE REPORT MAILED: Sept 26/00 SIGNED BY. C. Toye

D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

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

WHOLE ROCK ICP ANALYSIS

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003305R2

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
PPR-14113	58.10	8.89	15.45	2.94	3.70	1.96	.56	1.21	.11	.08	.024	367	32	20	6.7	.32	.04	99.77
PPR-14117	50.58	14.35	9.64	5.62	8.53	2.72	.47	1.58	.15	.17	.026	228	73	33	6.1	.48	.02	99.98
PPR-14120	58.51	4.30	23.62	.77	.52	.62	1.01	.39	.06	.02	.011	496	37	9	10.1	.28	8.29	99.99
PPR-14111	52.84	12.33	11.29	5.67	7.38	2.65	.27	1.57	.17	.15	.026	162	60	31	5.4	.12	.04	99.78
PPR-14116	49.34	14.46	8.20	4.54	16.69	1.28	.08	1.18	.12	.19	.027	192	59	27	3.7	.24	.11	99.84
PPR-14119	71.94	6.20	11.81	1.13	.50	.25	2.04	.54	.18	.02	.018	905	23	14	5.4	.23	.35	100.13
PPR-14112	50.30	15.02	11.06	6.26	7.29	4.17	.63	1.83	.22	.17	.010	138	33	32	2.9	<.01	.22	99.88
PPR-14115	79.36	2.47	9.10	.80	1.05	.33	.05	.16	<.01	.03	.008	57	21	4	6.0	.03	5.08	99.37
PPR-14118	48.91	14.70	11.33	6.25	8.43	3.65	.12	2.04	.22	.20	.014	183	38	38	3.8	.07	.03	99.69
PPR-14114	51.18	13.56	10.42	6.25	9.51	3.15	.32	1.76	.14	.18	.024	114	61	37	3.2	.03	.10	99.72
RCPR-14122	46.78	14.53	14.25	5.46	7.21	4.10	.20	2.87	.20	.24	.003	229	<20	32	3.6	.01	.87	99.47
RCPR-14125	48.54	15.13	11.11	6.81	8.78	3.44	.21	1.72	.16	.18	.035	120	88	39	3.5	.04	.03	99.64
RCPR-14123	51.31	14.13	12.11	5.42	7.23	4.18	.40	1.91	.15	.16	.018	105	49	33	2.7	.01	1.25	99.74
RCPR-14133 S-1	53.45	18.29	8.78	2.27	3.93	3.01	1.14	1.35	.12	.13	.011	359	<20	23	7.2	.64	.02	99.73
RCPR-14121	48.54	14.50	13.18	5.44	7.52	4.29	.18	2.60	.24	.23	.006	222	<20	34	3.3	.01	.57	100.06
RCPR-14124	34.93	10.74	27.36	3.36	6.12	1.64	.44	1.66	.11	.11	.020	113	<20	27	13.0	.05	15.19	99.51
GEBR-14149	82.50	6.81	4.06	1.59	.47	.66	1.30	.46	.04	.09	.090	602	20	9	1.8	.01	.05	99.94
RE GEBR-14149	82.54	6.87	3.98	1.60	.47	.63	1.28	.46	.03	.09	.009	603	<20	9	1.8	.01	.06	99.83
RRE GEBR-14149	82.78	6.78	3.82	1.54	.38	.57	1.28	.43	.08	.09	.007	610	20	10	1.8	.01	.04	99.63
GEBR-14147	82.72	7.19	3.37	1.48	.45	.72	1.48	.46	.03	.07	.008	650	<20	10	1.8	<.01	.07	99.85
GEBR-14141	92.10	3.05	1.06	.99	.30	1.12	.08	.20	.02	.01	.011	208	21	3	.9	.04	.09	99.87
GEBR-14146	48.74	14.38	11.17	6.10	9.61	3.74	.08	2.07	.18	.19	.012	146	30	37	3.5	.09	.03	99.80
GEBR-14152	49.01	14.92	12.02	6.43	7.38	3.34	.12	2.28	.21	.20	.015	134	37	41	3.8	.04	.01	99.75
GEBR-14142	86.48	5.63	1.52	1.69	.82	1.72	.31	.34	.02	.02	.011	669	29	8	1.1	.03	.11	99.74
GEBR-14148	54.78	4.00	22.21	.87	.37	.16	.41	.28	.05	.02	.023	406	120	6	12.2	.04	12.35	95.43
STANDARD SO-15/CSB	49.53	12.40	7.32	7.25	5.87	2.40	1.81	1.76	2.70	1.39	1.059	2000	79	12	5.9	2.40	5.37	99.62

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 8/00 SIGNED BY..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ 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 2398 File # A003305R2 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
PPR-14113	19.4	.9	14.3	3.4	4.9	19.4	2	119.5	.4	2.7	<.1	.6	234	2	131.1	17.7	7.9	18.1	2.18	8.6	2.2	.73	2.60	.44	3.04	.69	2.11	.29	2.08	.33
PPR-14117	43.3	.5	18.4	2.9	3.9	10.5	2	129.4	.3	1.4	<.1	.3	317	<1	114.6	31.0	7.1	19.3	2.63	12.1	4.0	1.45	4.83	.88	5.42	1.26	3.62	.50	3.47	.53
PPR-14120	130.7	1.7	10.4	1.5	3.3	28.3	10	27.6	.3	2.0	.2	2.3	125	4	65.0	13.9	8.5	20.8	2.26	9.1	2.3	.73	2.42	.39	2.39	.53	1.59	.24	1.69	.27
PPR-14111	38.3	.7	17.1	3.0	3.6	7.4	2	220.9	.3	.9	.3	.2	292	4	117.5	31.6	6.6	18.2	2.63	12.1	4.0	1.45	4.98	.91	5.55	1.28	3.78	.51	3.55	.55
PPR-14116	32.6	3.5	28.0	2.1	2.4	3.1	1	54.5	.2	.3	<.1	<.1	228	6	77.6	24.6	4.1	10.9	1.70	8.6	3.1	1.18	3.82	.69	4.17	.96	2.85	.36	2.57	.36
PPR-14119	40.8	3.1	17.5	2.7	5.1	58.3	19	24.6	.5	3.4	<.1	1.7	218	6	100.5	17.6	10.4	21.2	2.70	10.9	2.8	.77	3.09	.49	2.93	.67	2.13	.30	2.31	.40
PPR-14112	36.5	1.5	16.0	3.1	3.3	8.4	3	251.2	.3	.5	<.1	.4	305	4	120.8	37.2	5.4	16.3	2.56	13.0	4.4	1.58	5.53	.99	6.11	1.40	4.18	.57	3.93	.62
PPR-14115	16.9	.2	3.7	.7	1.2	1.8	3	18.2	.1	1.0	<.1	.2	31	5	25.5	5.1	4.5	12.5	1.26	5.2	1.2	.42	1.16	.18	1.01	.23	.64	.09	.57	.08
PPR-14118	36.9	.4	18.6	3.6	4.0	2.5	2	106.6	.3	.3	.4	.2	320	1	129.8	38.7	5.7	17.7	2.77	13.8	4.9	1.87	5.98	1.06	6.80	1.57	4.34	.60	4.18	.65
PPR-14114	37.3	.8	14.7	2.8	2.7	4.5	5	121.6	.2	.2	.1	<.1	289	3	102.7	32.6	4.2	12.9	2.09	11.2	3.9	1.42	4.90	.85	5.30	1.28	3.66	.51	3.43	.51
RCPR-14122	45.3	.7	20.2	4.6	4.1	4.2	1	175.9	.3	.3	.1	<.1	483	2	174.8	52.2	6.4	20.6	3.38	17.8	6.1	2.44	7.92	1.36	8.95	2.04	5.91	.82	5.56	.83
RCPR-14125	42.2	.3	16.3	2.7	3.0	4.5	1	116.3	.3	.2	<.1	.1	306	5	102.9	33.4	4.0	12.3	1.99	10.8	3.9	1.31	4.84	.91	5.87	1.35	3.83	.51	3.50	.56
RCPR-14123	51.6	.8	17.6	3.0	2.4	7.9	39	154.2	.2	.2	<.1	.6	327	3	109.5	35.5	4.2	13.5	2.21	11.8	4.2	1.44	5.50	.98	6.25	1.49	4.19	.56	3.94	.63
RCPR-14133 S-1	18.3	2.6	21.6	4.9	7.3	37.7	2	335.1	.6	5.5	.2	1.3	177	3	192.6	28.1	19.8	50.2	5.84	23.9	5.8	1.74	5.36	.81	5.13	1.10	3.21	.44	3.10	.47
RCPR-14121	37.7	.7	18.9	4.3	3.6	3.3	1	160.2	.3	.3	<.1	.1	413	<1	166.7	47.6	6.0	19.2	3.13	16.4	6.0	1.89	7.27	1.26	8.42	1.93	5.34	.74	5.11	.76
RCPR-14124	98.3	.6	16.1	2.6	2.4	9.1	34	118.3	.2	.3	<.1	1.6	263	<1	98.2	25.2	3.5	10.6	1.66	8.6	3.0	1.10	3.77	.65	4.39	1.01	2.88	.40	2.76	.44
GEBR-14149	15.6	2.2	11.9	3.7	6.3	42.3	3	17.7	.6	5.6	<.1	1.3	68	8	141.2	14.8	17.0	46.0	4.39	16.2	3.7	.70	3.17	.47	3.02	.57	1.77	.25	1.73	.27
RE GEBR-14149	14.3	2.3	11.6	3.4	6.5	42.4	3	17.3	.5	5.7	<.1	1.3	64	3	141.4	14.4	16.5	44.6	4.34	16.2	3.8	.71	3.08	.46	2.84	.58	1.72	.24	1.72	.26
RRE GEBR-14149	13.2	2.3	11.9	3.6	6.0	43.3	3	15.7	.6	5.8	<.1	1.3	62	4	143.1	14.6	16.6	45.8	4.37	16.7	3.8	.68	3.24	.44	2.94	.59	1.80	.24	1.78	.27
GEBR-14147	10.9	2.6	11.8	3.3	6.8	49.7	3	21.9	.5	5.7	<.1	1.4	63	3	129.9	15.1	16.7	46.5	4.40	16.4	3.5	.72	3.20	.47	3.07	.62	1.81	.24	1.77	.26
GEBR-14141	4.1	.1	2.6	1.3	3.0	2.9	<1	28.6	.3	2.4	<.1	1.0	72	6	51.8	10.2	9.5	19.8	2.52	9.6	2.1	.36	2.12	.29	1.89	.41	1.16	.16	1.05	.16
GEBR-14146	36.4	.5	17.0	3.6	4.2	1.3	1	107.3	.3	.3	<.1	.2	329	6	130.8	39.5	5.8	17.2	2.74	14.3	4.9	1.60	6.09	1.06	7.36	1.57	4.40	.58	4.10	.60
GEBR-14152	43.3	.4	17.5	3.9	4.8	2.5	3	80.9	.4	.4	<.1	.2	361	4	153.7	46.6	7.2	20.6	3.49	17.2	6.1	1.86	7.28	1.21	8.54	1.84	5.21	.74	4.82	.74
GEBR-14142	6.3	.3	5.9	2.4	5.2	10.5	<1	102.0	.5	4.8	<.1	1.4	102	3	88.7	13.5	15.5	32.9	3.86	14.5	3.1	.53	2.99	.40	2.61	.53	1.57	.21	1.55	.23
GEBR-14148	35.2	.9	9.7	1.0	1.7	13.4	61	12.5	.1	1.3	.3	.7	59	4	41.5	5.2	4.5	9.6	1.12	4.2	1.1	.30	1.04	.14	.99	.21	.62	.09	.64	.09
STANDARD SO-15	21.9	2.8	16.2	22.3	30.8	60.8	18	395.5	1.6	24.7	.6	20.0	144	21	1028.7	22.0	28.4	60.1	6.11	22.9	4.3	1.01	3.95	.58	3.76	.79	2.42	.34	2.49	.40

GROUP 4B - REE - LiBO2 FUSION, ICP/MS FINISHED.
- SAMPLE TYPE: ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 8/00 SIGNED BY. . . . . D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003305R2 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
PPR-14113	2.6	153	12	34	47	14	.2	<1	1
PPR-14117	.8	38	<3	86	77	3	.4	1	<1
PPR-14120	106.6	265	17	20	30	42	1.0	7	9
PPR-14111	.9	93	<3	54	73	10	.4	<1	<1
PPR-14116	2.6	52	<3	98	73	4	.6	7	<1
PPR-14119	22.0	181	12	13	21	37	.5	5	5
PPR-14112	1.1	60	<3	86	48	3	.4	2	<1
PPR-14115	2.4	2224	6	187	30	2	.4	<1	3
PPR-14118	.7	7	<3	71	49	2	.3	2	<1
PPR-14114	1.2	49	<3	80	66	2	.3	1	<1
RCPR-14122	.6	28	<3	85	25	<2	.3	3	<1
RCPR-14125	.9	43	<3	80	90	2	.3	3	<1
RCPR-14123	1.4	1440	7	1213	56	3	4.4	1	1
RCPR-14133 S-1	1.8	28	11	82	16	4	.2	1	<1
RCPR-14121	.8	33	<3	88	27	<2	.5	1	<1
RCPR-14124	6.4	3364	137	182	79	7	.9	28	6
GEBR-14149	1.3	276	8	78	28	10	.3	<1	<1
RE GEBR-14149	1.2	294	9	79	29	10	.3	1	<1
RRE GEBR-14149	1.3	237	8	50	27	10	.2	<1	<1
GEBR-14147	1.5	173	10	54	24	4	<.2	<1	<1
GEBR-14141	3.4	10	<3	3	20	<2	<.2	1	<1
GEBR-14146	.8	<1	<3	59	44	<2	.4	3	<1
GEBR-14152	<.5	266	<3	94	46	6	.5	1	<1
GEBR-14142	1.7	11	<3	8	26	<2	<.2	<1	<1
GEBR-14148	680.8	99999	136	90	60	<2	1.5	6	16
STANDARD CT3	26.2	69	39	180	39	60	20.6	21	22
STANDARD G-2	2.4	2	21	48	8	<2	<.2	<1	<1

GROUP 1EX - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 8/00 SIGNED BY. C. Leong. D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003480 Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
PPD-18220	.60	67.10	13.66	66.5	29	56.4	21.2	987	3.38	9.2	.6	4.3	4.5	16.0	.16	.74	.17	93	.71	.071	14.2	65.3	.94	325.0	.226	1	2.13	.010	.05	<.2	.05	44	.4	.04	5.9
PPD-18190	.46	41.72	9.58	57.5	36	46.4	15.5	589	3.18	5.3	.5	2.0	4.1	14.6	.16	.43	.13	92	.67	.058	15.0	67.8	.90	215.4	.225	1	2.03	.009	.04	<.2	.04	34	.3	.03	5.8
PPD-18210	.53	56.21	12.17	68.6	53	55.5	17.7	741	3.26	8.7	.6	5.6	5.2	20.4	.16	.64	.17	84	.77	.079	18.1	68.9	.93	297.3	.207	1	1.92	.010	.05	<.2	.05	66	.3	<.02	5.5
PPD-18186	.27	52.27	4.16	44.9	16	44.7	16.1	735	2.75	4.1	.3	3.2	2.1	16.8	.09	.41	.06	100	.95	.045	7.9	54.5	1.02	525.7	.292	2	2.13	.013	.03	<.2	.02	15	.3	<.02	6.2
PPD-18219	.38	62.35	7.31	74.0	46	55.8	21.8	943	4.15	5.4	.4	2.0	2.9	25.0	.23	.40	.11	123	1.12	.070	11.0	75.9	1.23	320.8	.285	2	2.55	.019	.07	<.2	.04	42	.2	.02	8.1
PPD-18208	.42	48.03	13.89	61.8	84	50.4	16.6	660	2.98	8.1	.4	2.9	4.1	21.1	.16	.60	.12	77	.88	.081	14.5	50.5	.98	258.2	.200	2	1.66	.012	.05	<.2	.03	44	.3	.02	5.2
PPD-18216	.68	138.52	15.91	73.3	46	56.8	27.6	1387	3.81	12.7	.6	8.4	4.6	15.6	.15	.84	.20	100	.73	.074	18.3	67.9	1.17	432.4	.221	1	2.08	.009	.04	<.2	.04	172	.4	.08	6.1
PPD-18224	.30	157.28	5.06	89.6	25	54.4	32.2	929	3.56	4.5	.3	4.0	2.1	17.0	.13	.46	.07	127	1.22	.030	7.7	58.6	1.16	190.9	.376	2	2.46	.022	.03	<.2	.03	10	.3	.02	7.5
PPD-18226	.50	59.58	11.95	92.6	66	55.4	29.6	913	4.58	6.7	.5	1.4	3.7	17.2	.17	.54	.14	144	.84	.039	14.6	77.3	1.70	182.4	.379	1	3.16	.009	.05	<.2	.06	38	.4	.07	8.8
PPD-18183	.47	91.94	6.46	66.7	37	70.2	27.6	941	3.80	6.7	.5	2.6	2.5	21.7	.15	.50	.09	108	.96	.046	11.8	83.3	1.11	219.0	.229	1	3.22	.019	.03	<.2	.04	55	.4	.02	7.6
PPD-18188	.17	26.27	3.77	38.2	47	30.0	11.9	511	2.37	2.3	.2	1.7	2.3	63.6	.10	.23	.05	75	3.03	.049	7.2	34.8	1.07	125.7	.236	2	1.66	.019	.05	<.2	.02	16	<.1	<.02	5.1
PPD-18203	.40	67.63	7.86	73.1	38	57.0	19.0	795	3.99	5.2	.5	3.2	3.4	21.7	.20	.38	.12	118	1.04	.071	12.9	83.0	1.21	325.0	.279	2	2.68	.014	.07	<.2	.04	45	.3	.03	7.7
PPD-18209	.45	61.25	9.36	58.9	43	62.1	22.2	908	3.20	12.3	.6	6.6	4.1	17.8	.13	.82	.13	82	.83	.079	15.0	75.2	1.05	320.0	.207	1	1.86	.009	.04	<.2	.03	74	.3	.03	5.2
PPD-18199 TILL-3	.66	20.98	18.67	46.8	1515	32.5	10.5	326	1.85	82.7	1.3	4.1	3.1	16.7	.10	.70	.32	35	.47	.045	14.3	64.4	.60	44.1	.063	4	1.05	.018	.08	.2	.05	119	.2	.02	3.7
PPD-18218	.40	59.02	7.43	69.8	75	62.4	19.7	1049	3.27	5.8	.3	3.3	2.8	40.8	.25	.47	.11	92	1.79	.058	10.0	55.4	1.36	429.1	.223	3	2.07	.018	.11	<.2	.04	55	.2	.04	6.4
PPD-18239	.76	38.70	6.17	55.7	45	29.1	11.5	338	3.63	4.2	.7	2.2	1.7	12.4	.27	.29	.09	88	.40	.066	9.5	56.9	.78	97.5	.203	<1	3.20	.005	.03	<.2	.04	163	.5	.02	5.9
PPD-18191	1.20	94.47	7.25	69.5	37	61.0	49.7	824	4.10	142.7	.5	13.0	3.5	20.2	.14	.98	.17	103	.70	.078	12.6	52.6	.98	231.2	.212	1	1.96	.009	.03	<.2	.03	26	.6	.11	5.9
PPD-18205	.41	60.71	5.96	72.9	77	53.6	22.1	872	3.80	5.4	.5	2.1	2.5	44.2	.25	.33	.09	106	1.82	.070	9.3	63.7	1.59	280.6	.254	2	2.45	.026	.09	<.2	.04	29	.4	.04	7.8
PPD-18240	.36	54.31	4.69	55.6	27	51.2	23.2	826	4.15	4.2	.3	5.3	1.7	16.3	.12	.33	.07	151	1.03	.033	7.8	86.6	1.37	265.7	.394	2	3.16	.016	.03	<.2	.03	25	.2	.04	9.2
PPD-18228	1.88	125.70	14.79	192.4	954	84.5	19.5	888	3.38	8.1	4.3	4.5	2.0	24.5	.82	1.20	.21	65	.80	.147	22.2	68.7	.89	318.8	.095	1	1.90	.007	.05	<.2	.07	276	1.2	.03	4.8
PPD-18206	.43	59.99	5.95	71.9	77	54.2	22.2	874	3.81	5.9	.5	2.7	2.5	43.6	.21	.33	.09	107	1.81	.069	9.3	63.1	1.59	281.9	.257	2	2.45	.025	.09	<.2	.03	29	.3	.02	7.7
PPD-18192	1.22	310.95	11.77	82.9	102	73.8	57.6	1223	4.04	13.9	.7	6.1	3.7	21.6	.18	.60	.24	104	.97	.078	13.8	83.7	1.09	287.5	.256	1	2.46	.013	.05	<.2	.04	60	.5	.04	6.9
RE PPD-18211	.48	82.21	8.12	58.3	78	79.5	29.3	1154	3.72	16.6	.5	8.9	4.0	18.3	.12	.90	.11	91	.84	.080	15.7	91.5	1.33	299.2	.202	1	2.06	.009	.03	<.2	.03	73	.3	.03	5.8
PPD-18211	.46	78.43	7.80	55.4	76	76.1	28.0	1099	3.49	16.0	.5	11.7	3.8	16.8	.13	.86	.10	86	.79	.077	14.8	87.3	1.27	288.6	.189	2	1.97	.009	.03	<.2	.03	66	.3	.02	5.6
PPD-18225	.41	316.29	7.82	293.1	52	77.4	59.5	1308	3.87	5.3	.4	4.4	2.3	19.1	.29	.56	.08	114	1.06	.057	8.7	58.8	1.17	215.7	.297	2	2.54	.015	.04	<.2	.04	45	.3	.02	7.7
PPD-18201	.48	59.70	9.93	70.0	21	52.2	19.0	782	3.73	6.0	.5	2.5	4.3	17.9	.17	.40	.13	108	.85	.060	16.0	76.3	1.13	276.2	.264	1	2.52	.011	.06	<.2	.04	39	.3	.02	7.1
PPD-18227	1.95	127.46	14.30	143.0	59	83.8	33.8	1365	5.09	11.3	.8	2.1	2.6	29.5	.48	1.33	.22	138	1.14	.146	15.8	116.8	1.93	306.2	.251	<1	2.89	.010	.06	<.2	.06	115	.9	.06	8.5
PPD-18189	.51	39.65	8.76	55.0	40	54.6	17.9	653	2.99	6.7	.5	1.7	3.9	12.4	.09	.43	.10	76	.57	.060	13.6	60.4	.93	188.4	.194	1	1.89	.007	.04	<.2	.03	24	.4	.02	5.1
PPD-18212	.56	34.83	9.18	56.8	35	41.8	22.6	715	2.91	6.0	.5	2.6	3.3	12.7	.15	.42	.10	82	.64	.069	13.1	51.8	.79	133.4	.219	1	1.79	.008	.04	<.2	.03	41	.4	.02	5.0
PPD-18223	.34	161.75	2.96	149.8	39	48.3	35.6	802	3.35	3.1	.2	4.7	1.1	11.9	.25	.54	.05	114	1.06	.028	4.5	47.3	.97	82.9	.368	1	2.38	.013	.02	<.2	.02	34	.4	<.02	6.8
PPD-18193	78.31	1470.59	25.31	49.2	202	54.5	74.7	596	12.44	143.6	1.8	23.9	3.7	16.1	.11	5.08	4.90	170	.50	.115	12.4	89.9	1.01	157.4	.199	<1	1.88	.005	.03	.5	.16	85	9.4	.96	9.5
PPD-18204	.47	66.29	5.84	77.0	85	57.4	24.5	940	4.01	5.1	.6	1.9	2.5	45.2	.26	.30	.09	108	1.88	.071	9.1	69.1	1.70	294.6	.250	2	2.55	.025	.09	<.2	.04	35	.5	.04	8.1
PPD-18187	.52	45.94	3.10	44.9	127	47.2	20.5	639	3.16	4.7	.3	2.2	1.2	16.4	.10	.35	.06	106	.86	.044	6.7	59.0	1.04	296.1	.287	1	2.67	.013	.02	<.2	.02	52	.4	.02	6.8
STANDARD DS2	13.78	124.55	33.87	154.2	256	35.0	11.5	813	3.01	55.8	22.7	196.6	3.7	27.7	10.61	9.92	11.28	73	.52	.089	16.2	158.5	.59	149.9	.091	2	1.67	.030	.15	7.3	1.79	241	2.2	1.76	6.0

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: TILL S230 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 7 2000 DATE REPORT MAILED: Sept 21/00 SIGNED BY: D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ 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
PPD-18207	.51	60.65	11.25	82.6	110	57.5	21.6	825	3.81	7.2	.7	2.2	4.1	33.5	.21	.48	.14	90	1.26	.080	11.9	64.9	1.52	326.7	.179	2	2.26	.014	.12	<.2	.04	47	.4	<.02	6.9
PPD-18213	.54	31.23	7.89	57.1	58	40.4	16.2	466	2.86	4.7	.5	6.7	3.0	12.4	.17	.35	.11	82	.56	.067	12.3	54.7	.76	162.3	.198	1	1.89	.007	.04	<.2	.03	37	.3	.03	5.1
PPD-18194	.43	81.57	5.31	53.9	58	40.6	21.7	660	3.07	6.7	.3	2.5	2.4	25.2	.14	.31	.08	96	.92	.066	8.0	44.5	.98	205.0	.235	2	1.75	.012	.03	<.2	.02	30	.2	.03	5.8
PPD-18185	.24	56.07	4.38	41.2	26	43.6	15.7	910	2.71	4.6	.2	5.2	1.7	15.1	.08	.36	.05	100	.87	.041	6.2	53.6	.95	461.9	.259	2	1.89	.012	.02	<.2	.02	22	.1	<.02	5.6
PPD-18202	.45	61.55	9.76	69.6	19	53.3	19.6	795	3.81	6.5	.5	4.3	4.2	17.5	.16	.40	.14	114	.80	.060	13.7	75.2	1.15	319.2	.262	2	2.59	.010	.11	<.2	.04	46	.3	.02	7.2
PPD-18222	.41	79.37	3.83	100.0	134	44.6	24.2	599	3.57	4.7	.3	3.9	1.0	10.5	.24	.43	.06	123	.90	.049	4.3	58.8	.93	94.0	.345	2	2.73	.012	.02	<.2	.03	50	.3	<.02	7.0
PPD-18181	.14	68.49	8.44	74.5	17	187.1	41.8	1143	4.67	6.0	.3	1.1	3.5	10.3	.08	.34	.13	121	.60	.034	13.0	335.2	3.08	859.2	.253	1	3.02	.007	.03	.2	.03	18	<.1	.02	8.8
PPD-18229	1.62	96.63	6.94	105.6	641	78.4	50.2	1298	5.88	5.6	.6	6.3	1.5	21.8	.52	.47	.09	159	.86	.056	6.1	94.9	1.97	309.6	.329	1	3.55	.006	.04	<.2	.04	73	.7	.08	10.1
PPD-18214	.36	59.85	5.77	74.3	85	53.0	22.1	794	3.97	4.8	.4	3.7	2.7	43.0	.20	.30	.10	113	1.80	.071	8.6	61.6	1.56	246.1	.263	3	2.46	.021	.07	<.2	.03	28	.4	.03	8.0
PPD-18238	.58	40.91	14.55	67.9	47	47.7	25.2	645	4.12	6.5	.6	3.0	4.8	18.1	.20	.43	.16	98	.48	.041	16.0	59.8	1.04	118.3	.224	1	2.65	.006	.05	<.2	.06	52	.3	.02	7.1
PPD-18195	.52	91.84	11.74	68.7	25	51.3	21.3	923	3.22	7.7	.5	6.3	4.0	15.3	.16	.50	.14	91	.66	.076	12.9	55.8	.94	527.7	.216	1	1.99	.009	.04	<.2	.05	39	.3	.03	5.6
PPD-18215	.42	60.81	8.77	58.0	38	41.8	16.6	699	2.70	6.2	.4	2.6	3.9	16.5	.15	.45	.12	72	.66	.080	12.1	42.2	.80	271.8	.176	1	1.44	.008	.04	<.2	.03	90	.2	.02	4.3
PPD-18197	.36	57.08	5.96	55.0	15	47.0	25.2	963	3.96	12.0	.3	4.7	2.9	14.6	.10	.64	.07	111	.75	.052	9.9	61.3	1.33	364.4	.254	1	2.24	.008	.03	<.2	.03	29	.2	.07	6.4
PPD-18182	.12	64.58	5.45	57.8	9	243.7	44.1	866	4.01	3.8	.2	1.5	2.2	12.5	.06	.32	.09	102	.60	.037	9.4	424.5	3.18	673.7	.172	<1	2.62	.007	.03	<.2	.03	20	.1	.03	6.8
PPD-18230	.36	118.12	7.35	89.8	17	86.1	54.5	1395	5.62	3.9	.5	1.5	3.0	28.3	.23	.27	.10	160	.85	.050	7.4	125.1	3.11	2298.3	.474	1	4.18	.011	.06	<.2	.05	39	.2	.02	10.2
PPD-18221	.39	79.51	3.42	106.7	182	46.3	24.9	650	3.75	4.4	.3	3.5	1.2	13.4	.24	.45	.05	143	1.26	.051	5.8	64.1	1.02	104.7	.408	3	3.12	.022	.02	<.2	.02	61	.3	.02	8.0
PPD-18196	.51	69.62	9.87	64.2	17	54.3	27.8	978	3.37	7.8	.5	4.8	4.5	17.4	.14	.49	.13	105	.85	.073	15.3	59.9	1.04	328.0	.277	2	2.32	.011	.05	<.2	.04	21	.3	.03	6.3
PPD-18232	.51	104.60	8.45	98.1	112	72.3	37.1	1248	5.26	5.8	.5	2.2	2.9	38.6	.27	.56	.13	159	1.30	.083	10.3	103.7	2.26	366.9	.404	2	3.29	.013	.12	<.2	.06	53	.2	.02	10.2
PPD-18133 S-1	1.05	28.68	9.78	53.3	48	12.5	13.1	497	4.28	2.1	.7	1.3	3.2	52.8	.07	.08	.16	168	.53	.046	12.6	43.4	.57	98.2	.377	1	4.44	.131	.07	.2	.13	32	.3	.04	11.3
PPD-18198	1.05	114.03	27.46	116.1	48	70.6	22.0	1792	3.59	13.0	.9	2.6	9.8	19.4	.17	1.05	.32	74	.64	.077	34.8	55.1	1.09	278.0	.167	2	2.07	.007	.08	<.2	.07	64	.3	.04	6.0
PPD-18231	.33	91.66	8.33	84.3	31	57.3	33.9	1108	5.34	4.5	.4	9.2	2.7	29.7	.15	.35	.10	172	1.38	.064	9.7	91.0	2.29	256.0	.520	1	3.23	.011	.13	<.2	.05	40	.3	.02	10.5
PPD-18237	.53	51.87	16.72	85.2	22	53.5	33.2	1048	4.27	7.0	.6	1.4	5.2	28.3	.21	.59	.18	120	.84	.070	18.6	66.4	1.35	176.5	.303	2	2.72	.011	.12	<.2	.05	35	.4	.03	8.0
PPD-18184	.32	65.35	4.55	52.8	15	55.8	19.1	775	3.60	5.5	.3	4.4	2.3	26.4	.11	.47	.07	123	1.20	.044	9.3	72.9	1.26	638.7	.300	2	2.49	.019	.04	<.2	.03	43	.2	<.02	7.2
PPD-18217	.41	59.18	7.21	72.3	81	60.2	25.0	1044	3.97	7.0	.4	3.2	3.1	26.6	.18	.43	.10	129	1.40	.062	10.9	69.0	1.53	407.4	.310	3	2.66	.019	.07	<.2	.04	53	.2	.02	8.2
RE PPD-18217	.40	59.05	7.07	71.2	80	59.6	24.2	1034	3.93	6.6	.4	2.4	3.0	25.8	.17	.41	.10	128	1.39	.063	10.8	68.2	1.51	403.3	.307	2	2.65	.019	.11	<.2	.03	45	.2	.02	8.0
PPD-18235	.42	60.96	10.57	73.2	58	51.7	28.1	983	4.56	4.0	.6	1.5	3.9	28.6	.15	.35	.14	124	.85	.045	16.9	72.3	1.73	242.1	.306	1	3.07	.008	.06	<.2	.05	39	.3	.02	8.9
PPD-18200	.80	118.09	29.10	111.1	53	59.9	23.6	1750	3.78	11.8	.6	10.0	5.7	20.7	.23	.78	.47	106	.85	.064	21.1	70.5	1.15	320.4	.249	1	2.33	.012	.11	<.2	.06	48	.3	.10	6.6
PPD-18236	.55	80.16	6.34	82.9	54	50.4	31.9	912	5.09	4.3	.5	.8	2.3	28.4	.21	.37	.09	155	.87	.065	9.5	73.1	2.00	199.1	.441	1	3.41	.007	.06	<.2	.05	68	.4	.02	9.6
PPD-18234	.59	84.88	17.60	105.3	18	75.9	29.6	1010	4.91	8.2	.8	2.1	7.9	31.9	.20	.71	.23	122	.80	.073	25.4	95.0	1.66	423.8	.272	1	3.26	.010	.26	<.2	.09	79	.3	.03	9.0
GSMD-18108	.38	48.30	4.91	52.2	88	48.8	21.9	732	3.62	4.0	.3	4.7	1.7	14.5	.14	.40	.06	133	1.19	.054	7.6	62.4	1.08	159.9	.374	2	2.78	.019	.03	<.2	.02	33	.3	.02	7.9
GSMD-18119	.27	27.21	4.38	31.3	24	38.5	15.3	421	2.16	1.0	.6	.6	4.6	15.0	.08	.15	.03	79	.84	.038	12.9	45.9	.97	143.9	.359	1	2.17	.016	.04	.5	.02	24	.2	.02	6.4
GSMD-18106	.26	79.86	3.05	83.1	15	35.8	18.1	716	3.44	1.8	.2	2.7	1.6	17.7	.08	.43	.04	139	1.45	.035	6.4	44.4	1.09	149.9	.422	2	2.35	.018	.02	<.2	.02	28	.2	.02	7.7
GSMD-18111	.33	98.72	5.92	83.0	16	73.2	27.0	1185	5.49	4.1	.3	5.9	2.0	27.0	.12	.34	.09	188	1.55	.055	9.0	110.1	1.83	552.4	.449	2	3.83	.024	.08	<.2	.04	44	.3	.03	12.1
STANDARD DS2	13.95	127.70	34.26	155.4	279	35.7	11.6	823	3.04	59.5	23.8	209.2	3.7	26.1	10.82	9.62	11.19	75	.50	.089	15.4	154.9	.59	156.5	.081	2	1.62	.028	.14	7.4	1.90	244	2.2	1.90	5.8

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ___

ACME ANALYTICAL

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 FILE # A003480

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
GSMD-18117	.27	80.83	3.91	61.0	40	58.2	23.2	862	4.51	3.5	.2	12.5	1.5	29.6	.13	.51	.06	181	1.53	.047	6.6	93.8	1.49	290.4	.499	2	3.24	.037	.05	<.2	.02	41	.2	.02	10.0
GSMD-18110	.31	70.57	6.16	60.1	22	51.2	21.0	885	3.94	2.8	.3	6.0	2.6	19.0	.09	.28	.10	151	1.06	.030	9.2	90.8	1.32	418.3	.423	2	3.31	.019	.07	<.2	.04	49	.2	.03	9.0
GSMD-18105	.24	132.54	2.42	86.7	14	52.2	51.4	1466	5.92	.8	.3	.8	1.3	40.4	.13	.19	.04	197	1.49	.063	4.7	84.9	3.59	107.9	.701	2	4.35	.006	.05	<.2	.03	17	.3	<.02	11.4
GSMD-18116	.32	43.83	3.98	59.6	38	43.3	20.4	752	3.64	2.5	.3	3.2	1.5	19.6	.11	.34	.06	149	1.19	.040	6.9	70.7	1.11	194.7	.459	2	2.86	.025	.04	<.2	.02	35	.2	.02	8.2
GSMD-18109	.34	70.82	5.17	65.2	18	53.8	24.0	1004	4.30	3.6	.3	6.1	2.0	20.0	.13	.38	.07	170	1.18	.034	7.8	86.3	1.59	306.8	.493	2	3.34	.020	.05	<.2	.03	34	.2	.04	9.8
GSMD-18103	.18	103.13	1.47	68.2	73	72.3	34.0	1191	6.19	1.2	.2	.7	.8	16.4	.07	.39	.03	232	2.14	.056	4.6	101.9	2.42	139.4	.630	3	4.67	.031	.01	<.2	.02	20	.3	.05	14.5
GSMD-18120	.22	81.83	4.58	54.5	12	40.9	16.0	722	3.23	.5	.3	1.2	2.3	26.8	.06	.19	.06	116	1.32	.035	8.1	40.6	1.13	226.7	.399	3	2.78	.022	.04	.2	.02	36	.1	.02	7.8
GSMD-18104	.74	27.52	5.85	57.0	53	31.1	15.2	317	3.39	6.2	.4	3.6	2.6	12.1	.11	.39	.11	111	.49	.047	11.3	54.5	.55	92.4	.259	1	2.37	.009	.03	<.2	.03	48	.3	.02	6.5
GSMD-18112	.45	42.84	3.63	55.1	52	45.6	25.3	547	3.80	3.0	.3	3.4	1.4	14.9	.20	.38	.06	147	1.10	.021	5.5	68.0	.98	183.2	.473	2	3.11	.021	.03	<.2	.02	45	.3	.03	8.0
GSMD-18118	.29	61.79	4.19	58.1	16	50.3	22.9	820	3.71	2.9	.2	8.0	1.9	15.0	.09	.34	.06	156	1.36	.040	6.3	70.0	1.27	181.2	.473	3	3.09	.031	.04	<.2	.02	17	.3	.02	8.9
RE GSMD-18118	.30	62.94	4.34	59.6	14	51.1	23.4	840	3.80	2.8	.3	1.4	2.0	15.9	.10	.37	.06	159	1.41	.041	6.7	72.9	1.30	186.9	.484	3	3.15	.031	.04	<.2	.03	19	.2	.02	9.2
GSMD-18115	.47	67.74	5.42	60.6	14	51.8	23.8	686	3.37	5.4	.4	4.1	2.8	13.7	.09	.66	.08	117	.92	.059	8.4	52.4	.97	133.4	.325	2	2.67	.018	.03	<.2	.02	25	.3	<.02	6.5
GSMD-18107	.26	41.18	3.39	56.3	33	45.1	19.8	691	3.76	2.1	.3	5.2	1.6	16.2	.11	.23	.05	165	1.18	.025	7.1	82.5	1.24	196.7	.472	2	3.10	.022	.03	<.2	.02	30	.3	<.02	9.1
GSMD-18101	.33	42.90	2.82	55.9	24	44.0	23.2	848	3.96	.9	.3	2.4	1.2	23.5	.10	.32	.04	170	1.89	.044	5.5	72.2	1.38	338.5	.550	4	2.92	.027	.03	<.2	<.02	15	.3	<.02	9.8
GSMD-18114	.60	65.98	5.74	66.6	71	49.6	23.8	462	3.62	7.6	.5	20.4	3.7	12.1	.10	.46	.09	125	.67	.053	14.4	57.1	.90	117.3	.334	2	2.97	.014	.03	<.2	.03	56	.3	.03	6.9
GSMD-18102	.32	42.00	2.82	57.3	28	44.1	22.8	858	3.99	1.0	.3	1.4	1.2	24.0	.12	.32	.04	175	1.94	.043	5.6	73.3	1.38	338.5	.564	3	2.95	.029	.03	<.2	<.02	20	.3	<.02	9.8
GSMD-18113	.65	16.55	6.31	20.6	11	11.9	6.7	242	3.01	<.1	.7	.8	9.7	1.1	.02	.02	.12	93	.01	.020	14.2	21.9	.02	12.4	.092	1	1.97	.001	.04	<.2	.10	17	<.1	<.02	10.7
STANDARD DS2	14.08	127.76	32.25	156.8	264	33.4	11.1	790	2.93	56.8	22.9	200.3	3.8	24.7	10.16	9.61	11.02	74	.48	.088	14.3	148.4	.57	154.2	.085	1	1.65	.027	.14	7.4	1.79	234	2.2	1.81	5.6

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003480 Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
PPD-18220	.63	.1	.19	.30	3.2	5.7	.5	.02	<.05	10.3	11.21	37.3	.03	<1	.5	15.8	30.0
PPD-18190	.50	.1	.19	.41	4.6	4.7	.6	.02	<.05	9.1	9.10	31.9	.02	<1	.4	15.4	30.0
PPD-18210	.55	.1	.27	.17	3.2	8.4	.4	.01	<.05	13.7	14.00	35.6	.03	<1	.4	16.2	30.0
PPD-18186	.56	.1	.40	.25	1.8	5.6	.5	.01	<.05	17.0	11.08	19.8	.03	<1	.4	14.9	30.0
PPD-18219	.67	.1	.56	.06	3.7	10.4	.6	.01	<.05	19.6	16.55	20.8	.03	<1	.3	15.3	30.0
PPD-18208	.46	.1	.40	.07	2.7	5.8	.4	.01	<.05	15.1	11.95	27.2	.02	<1	.4	15.2	30.0
PPD-18216	.61	.1	.28	.13	2.5	11.9	.5	.01	<.05	13.8	19.55	33.7	.03	<1	.3	16.9	30.0
PPD-18224	.63	.1	.50	.14	1.5	7.2	.8	.02	<.05	20.3	14.10	22.1	.03	1	.4	14.7	30.0
PPD-18226	.87	.1	.19	.97	5.5	5.6	.7	.02	<.05	10.3	11.46	29.5	.02	<1	.5	21.9	30.0
PPD-18183	.93	.1	.13	.67	3.3	11.1	.7	.02	<.05	9.9	20.18	43.5	.03	3	.5	17.4	30.0
PPD-18188	.33	.1	.39	.05	2.4	4.6	.4	.03	<.05	17.7	10.14	14.7	<.02	<1	.1	11.0	30.0
PPD-18203	.55	.1	.37	.08	3.5	9.8	.5	.01	<.05	16.9	15.84	22.3	.03	<1	.4	14.2	30.0
PPD-18209	.47	.1	.21	.15	2.1	8.8	.4	.02	<.05	11.8	14.98	29.7	.02	2	.3	15.8	30.0
PPD-18199 TILL-3	.72	.1	.03	.73	7.1	2.5	1.7	.02	<.05	2.5	5.80	28.3	<.02	1	.4	18.8	7.5
PPD-18218	.67	.1	.42	.03	3.7	6.4	.5	.02	<.05	16.8	12.14	20.0	.02	<1	.3	13.3	30.0
PPD-18239	.99	.1	.11	2.07	5.9	3.3	.7	.05	<.05	7.0	7.04	19.1	.02	<1	.6	22.4	30.0
PPD-18191	.94	.1	.18	.24	1.9	5.5	.6	.01	<.05	9.9	11.63	29.1	.02	<1	.6	12.4	30.0
PPD-18205	.63	.1	.33	.06	4.0	6.3	.6	.03	<.05	15.2	13.31	18.2	.02	<1	.3	15.5	30.0
PPD-18240	.65	.1	.29	.37	3.5	8.1	.7	.02	<.05	12.7	13.35	19.5	.02	2	.4	15.0	30.0
PPD-18228	1.09	<.1	.03	.73	5.4	8.8	.4	.03	<.05	2.7	34.96	34.4	.02	2	.7	20.6	30.0
PPD-18206	.62	.1	.36	.06	4.0	6.2	.5	.03	<.05	16.9	13.60	18.1	.02	2	.3	15.4	30.0
PPD-18192	1.44	.1	.17	.37	2.9	10.2	.8	.02	<.05	10.4	19.34	43.1	.03	<1	.6	18.2	30.0
RE PPD-18211	.59	.1	.16	.19	1.9	11.1	.4	.01	<.05	9.5	17.81	30.3	.02	<1	.3	20.3	30.0
PPD-18211	.55	.1	.14	.19	1.8	10.5	.3	.01	<.05	8.8	16.67	27.8	.03	1	.5	19.5	30.0
PPD-18225	.78	.1	.43	.09	2.1	10.4	.7	.01	<.05	19.2	19.57	23.0	.03	<1	.3	13.8	30.0
PPD-18201	.55	.1	.30	.13	3.5	7.6	.6	.01	<.05	14.3	13.18	31.3	.03	<1	.5	15.2	30.0
PPD-18227	.87	.1	.29	.13	3.2	11.8	.6	.01	<.05	14.7	22.93	23.8	.04	2	.4	19.0	30.0
PPD-18189	.51	.1	.14	.42	3.3	3.8	.4	.01	<.05	8.0	8.03	29.8	.02	<1	.4	15.7	30.0
PPD-18212	.40	.1	.14	.74	2.7	3.4	.3	.02	<.05	7.8	8.72	28.3	.02	<1	.4	13.1	30.0
PPD-18223	1.14	.1	.31	.63	1.2	5.2	.8	.02	<.05	14.2	12.33	16.0	.03	1	.3	11.0	30.0
PPD-18193	1.37	.3	.20	.46	1.9	9.7	16.6	.06	<.05	12.2	19.66	28.1	.18	3	1.0	11.6	30.0
PPD-18204	.66	.1	.34	.07	3.9	6.7	.5	.03	<.05	15.9	13.34	17.6	.03	2	.3	15.2	30.0
PPD-18187	.67	.1	.23	.80	1.9	6.3	.5	.02	<.05	13.1	14.39	16.5	.03	1	.4	12.1	30.0
STANDARD DS2	3.26	.1	.03	1.39	12.9	2.9	26.0	.03	<.05	3.3	7.68	31.0	5.46	2	.5	14.7	30.0

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: TILL S230 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 7 2000 DATE REPORT MAILED: Sept 21/00 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
PPD-18207	.82	.1	.36	.07	4.0	5.3	.4	.03	<.05	12.7	12.07	22.9	.02	4	.2	19.8	30
PPD-18213	.55	.1	.08	.78	3.5	3.5	.3	.01	<.05	4.9	8.49	27.3	.02	<1	.3	15.2	30
PPD-18194	1.36	.1	.38	.10	1.6	7.0	.4	.01	<.05	11.9	12.80	17.0	.02	<1	.5	12.1	30
PPD-18185	.50	.1	.39	.09	1.3	6.8	.5	<.01	<.05	13.7	11.79	14.4	.03	2	.2	14.0	30
PPD-18202	.62	.1	.29	.11	3.3	8.5	.6	<.01	<.05	12.1	12.38	29.2	.03	1	.4	15.0	30
PPD-18222	.91	.1	.32	.98	2.5	5.6	.8	.06	<.05	11.8	12.74	12.4	.04	<1	.3	11.5	30
PPD-18181	1.19	.1	.21	.12	2.6	8.5	.5	<.01	<.05	7.2	13.73	36.4	.03	<1	.3	31.7	30
PPD-18229	.89	.1	.17	1.53	3.7	7.3	.6	.02	<.05	5.6	9.15	14.5	.03	<1	.5	24.4	30
PPD-18214	.76	.1	.39	.06	3.5	6.8	.6	.02	<.05	14.0	13.09	17.6	.03	<1	.3	14.8	30
PPD-18238	1.26	.1	.15	1.28	6.5	3.9	.6	.02	<.05	7.2	10.44	37.1	.04	2	.5	29.5	30
PPD-18195	.69	.1	.23	.14	2.7	5.6	.4	<.01	<.05	11.0	10.98	29.7	.03	<1	.4	13.8	30
PPD-18215	.42	.1	.31	.07	1.9	6.4	.3	.01	<.05	10.8	12.57	22.8	.02	<1	.3	11.5	30
PPD-18197	.47	.1	.17	.20	2.3	5.9	.4	.02	<.05	8.3	10.46	21.5	.03	<1	.3	17.3	30
PPD-18182	1.03	.1	.16	.03	1.6	6.7	.4	.01	<.05	6.5	12.50	24.4	.03	<1	.3	23.4	30
PPD-18230	1.23	.1	.27	.77	4.1	6.6	.6	.02	<.05	9.4	9.44	17.9	.02	2	.6	28.1	30
PPD-18221	1.06	.1	.25	.96	3.0	6.6	.8	.03	<.05	12.7	15.91	15.6	.05	<1	.3	11.8	30
PPD-18196	.78	.1	.21	.26	3.2	5.4	.6	.02	<.05	10.6	11.19	35.1	.03	<1	.4	14.7	30
PPD-18232	1.18	.1	.39	.11	4.5	9.5	.7	.02	<.05	13.1	15.96	19.1	.04	2	.3	23.5	30
PPD-18133 S-1	1.47	.2	.69	.36	4.9	9.6	1.5	.02	<.05	40.5	15.21	32.0	.06	<1	.7	11.0	30
PPD-18198	2.21	.1	.23	.11	4.5	6.0	.5	.01	<.05	13.5	14.29	62.5	.04	<1	.6	19.8	30
PPD-18231	1.01	.2	.48	.28	4.1	9.1	.7	.02	<.05	15.1	15.56	19.2	.03	<1	.3	19.2	30
PPD-18237	1.42	.1	.18	1.03	6.0	4.5	.6	.02	<.05	8.3	11.89	50.2	.03	<1	.6	24.0	30
PPD-18184	.74	.1	.40	.07	2.4	10.3	.5	.01	<.05	16.5	16.31	18.4	.03	<1	.3	16.2	30
PPD-18217	.80	.1	.37	.06	3.8	8.4	.7	.01	<.05	14.0	14.64	22.5	.04	<1	.5	17.7	30
RE PPD-18217	.77	.1	.35	.07	3.6	8.2	.6	.01	<.05	13.9	14.29	21.9	.04	<1	.4	16.6	30
PPD-18235	1.22	.1	.14	1.41	6.3	5.0	.7	.03	<.05	6.2	12.30	34.5	.03	<1	.6	27.6	30
PPD-18200	.94	.1	.36	.13	3.9	7.3	.5	.02	<.05	14.6	13.02	40.6	.03	<1	.5	16.5	30
PPD-18236	1.57	.1	.15	2.02	6.4	5.2	.7	.04	<.05	7.1	9.52	20.6	.03	<1	.4	20.7	30
PPD-18234	1.39	.1	.35	.13	8.1	9.5	.6	.02	<.05	13.7	15.99	45.0	.04	4	.8	26.7	30
GSMD-18108	.79	.1	.26	.84	3.6	5.8	.6	.03	<.05	11.1	13.33	19.7	.04	<1	.4	12.7	30
GSMD-18119	.98	.1	.23	3.46	2.7	6.6	1.7	.01	<.05	9.8	13.84	36.9	.02	1	.8	8.3	30
GSMD-18106	.71	.1	.50	.10	1.1	6.5	.8	.01	<.05	16.5	12.63	14.4	.03	<1	.3	10.6	30
GSMD-18111	1.08	.1	.50	.10	4.4	15.5	1.0	.02	<.05	19.0	19.80	18.3	.05	<1	.4	17.2	30
STANDARD DS2	3.48	.1	.03	1.31	12.3	2.9	26.9	.02	<.05	2.6	7.45	29.2	5.55	2	.7	14.2	30

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ____

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GSMD-18117	.78	.1	.46	.26	3.4	11.0	.9	.01	<.05	18.4	18.70	14.1	.04	<1	.4	18.7	30
GSMD-18110	.73	.1	.29	.22	4.6	8.6	.8	<.01	<.05	13.3	10.43	21.9	.04	1	.4	13.9	30
GSMD-18105	1.24	.1	.28	.54	2.1	7.7	.6	.01	<.05	9.6	11.09	12.2	.02	<1	.4	27.2	30
GSMD-18116	.69	.1	.30	.97	3.4	6.3	.8	.01	<.05	13.0	12.34	16.7	.04	<1	.6	14.7	30
GSMD-18109	.76	.1	.36	.34	3.8	9.1	.9	.01	<.05	15.5	12.69	18.4	.05	<1	.3	17.7	30
GSMD-18103	.70	.2	.58	.12	.7	13.6	1.4	.02	<.05	24.0	19.88	16.7	.07	2	.4	18.1	30
GSMD-18120	.83	.1	.50	.12	2.3	8.2	.9	.01	<.05	18.0	14.46	19.5	.06	<1	.4	9.0	30
GSMD-18104	1.35	.1	.13	1.23	5.3	4.3	.6	.02	<.05	8.2	9.76	23.7	.07	2	.4	15.0	30
GSMD-18112	.80	.1	.38	1.21	2.9	5.5	.9	.03	<.05	16.8	11.04	14.9	.08	<1	.2	14.8	30
GSMD-18118	.57	.1	.38	.39	3.0	6.4	.9	.02	<.05	15.4	11.83	17.6	.08	3	.5	14.8	30
RE GSMD-18118	.59	.1	.38	.39	3.1	6.6	.9	.02	<.05	16.2	12.06	18.1	.07	<1	.5	15.1	30
GSMD-18115	.88	.1	.29	.56	2.5	4.8	.6	.02	<.05	13.4	10.04	22.5	.05	<1	.4	13.6	30
GSMD-18107	.63	.1	.29	.75	4.4	6.4	.9	.01	<.05	12.3	11.94	17.1	.05	<1	.3	15.8	30
GSMD-18101	.51	.1	.53	.25	1.7	7.7	.8	.02	<.05	19.9	16.80	13.8	.04	<1	.2	13.2	30
GSMD-18114	1.99	.1	.29	.68	5.8	6.2	.6	.01	<.05	12.9	11.08	30.2	.04	<1	.4	14.6	30
GSMD-18102	.50	.1	.49	.27	1.8	7.6	.9	.02	<.05	19.3	16.77	14.1	.03	2	.3	13.7	30
GSMD-18113	1.72	<.1	.06	.58	10.3	7.1	2.0	.01	<.05	3.5	8.24	43.7	.05	<1	.3	3.9	30
STANDARD DS2	3.23	.1	.03	1.28	11.7	2.8	25.1	.03	<.05	2.9	7.28	29.1	5.34	2	.6	14.3	30

Sample type: *TILL S230 40C.* Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

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

WHOLE ROCK ICP ANALYSIS

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003480R Page 1

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
PPD-18220	65.27	11.42	7.08	3.26	3.57	1.75	1.15	1.40	.18	.16	.020	1165	56	122	217	31	11	24	4.5	.34	<.01	99.95
PPD-18190	65.68	11.56	6.40	2.88	3.00	1.79	1.12	1.42	.15	.10	.014	1073	41	124	215	29	<10	20	5.5	.55	<.01	99.79
PPD-18210	65.17	11.66	6.68	3.01	3.19	1.73	1.37	1.37	.16	.13	.020	1237	64	129	197	35	10	25	5.2	.20	<.01	99.89
PPD-18186	64.98	10.72	6.21	4.07	4.91	2.10	.67	1.42	.08	.14	.022	1046	48	124	181	29	<10	28	4.6	.31	<.01	100.09
PPD-18219	62.43	11.68	7.88	3.52	3.88	1.89	1.01	1.33	.16	.15	.015	894	54	137	173	33	<10	26	5.9	.10	<.01	100.00
PPD-18208	66.18	11.25	6.50	3.38	3.90	1.84	1.16	1.37	.18	.12	.015	1154	53	136	196	33	<10	24	3.7	.06	<.01	99.78
PPD-18216	65.29	10.93	7.43	3.51	3.40	1.69	1.12	1.38	.16	.21	.016	1321	60	115	202	40	12	30	4.6	.15	.01	99.94
PPD-18224	61.83	11.44	7.98	4.26	5.65	2.03	.75	1.65	.04	.17	.021	749	61	126	177	33	<10	32	4.0	.19	<.01	99.96
PPD-18226	58.24	12.68	9.04	4.29	3.49	1.46	1.09	1.47	.11	.15	.013	862	52	87	141	32	<10	25	7.8	1.01	<.01	99.97
PPD-18183	58.15	12.98	7.22	3.28	3.50	1.82	1.13	1.17	.16	.14	.019	744	74	127	125	36	<10	28	10.5	1.43	<.01	100.20
PPD-18188	66.17	8.85	5.29	3.48	6.88	1.94	.58	1.08	.08	.10	.016	391	52	158	164	25	<10	21	5.2	.73	<.01	99.76
PPD-18203	62.15	11.88	7.59	3.54	3.79	1.74	1.00	1.32	.15	.13	.020	1049	59	123	183	34	<10	27	6.5	.16	<.01	99.98
PPD-18209	65.81	10.85	6.65	3.49	3.91	1.85	1.08	1.49	.20	.15	.022	1064	69	132	228	38	10	28	4.1	.17	<.01	99.79
PPD-18199 TILL-3	61.54	14.95	5.51	1.98	1.27	2.24	2.83	.98	.15	.10	.004	516	34	152	332	37	18	12	8.3	1.65	.03	99.99
PPD-18218	65.44	9.75	6.50	3.89	4.80	1.51	.97	1.12	.14	.17	.020	1281	74	114	143	27	<10	22	5.5	.31	<.01	100.00
PPD-18239	45.74	11.52	7.11	2.34	1.96	1.13	.89	1.12	.25	.07	.012	485	76	85	169	21	<10	16	27.8	8.20	.02	100.04
PPD-18191	64.13	10.83	8.28	3.33	3.69	1.80	1.04	1.36	.16	.14	.019	930	61	139	207	34	<10	24	5.0	.30	<.01	99.94
PPD-18205	60.84	11.35	7.78	4.48	5.33	1.84	.95	1.23	.18	.15	.023	899	74	149	147	30	<10	24	5.7	.40	.01	100.01
PPD-18240	61.30	11.92	8.19	3.80	3.89	1.89	.66	1.54	.12	.14	.019	916	52	120	143	29	<10	26	6.5	.54	<.01	100.12
PPD-18228	61.58	11.48	6.74	2.54	2.48	1.30	1.57	1.04	.38	.13	.020	1149	91	122	203	60	<10	27	10.5	2.38	.01	99.95
PPD-18206	61.15	11.40	7.73	4.44	5.34	1.86	.95	1.24	.21	.15	.021	896	55	149	153	29	<10	25	5.4	.36	.02	100.04
PPD-18192	62.13	11.46	7.83	3.53	4.09	1.81	1.01	1.42	.18	.19	.022	908	88	128	208	40	<10	29	6.2	.66	.01	100.04
RE PPD-18211	64.74	11.12	7.24	3.78	3.74	1.84	1.02	1.42	.20	.18	.025	1061	81	129	201	40	10	30	4.3	.23	<.01	99.79
PPD-18211	64.87	11.16	7.20	3.76	3.75	1.88	1.01	1.41	.13	.18	.029	1074	79	130	209	40	<10	30	4.4	.25	<.01	99.96
PPD-18225	60.70	12.04	8.53	4.03	5.04	1.89	.93	1.54	.14	.22	.020	872	79	125	173	38	<10	33	4.7	.19	<.01	99.94
PPD-18201	63.71	12.14	7.25	3.31	3.22	1.69	1.36	1.33	.14	.13	.020	1101	58	119	170	30	<10	24	5.5	.17	<.01	99.98
PPD-18227	59.23	11.27	9.78	4.66	3.65	1.13	.96	1.21	.38	.22	.034	1121	95	89	116	41	<10	31	7.4	.24	<.01	100.10
PPD-18189	64.96	11.88	6.24	3.10	3.01	1.74	1.46	1.33	.16	.11	.019	1120	60	121	196	29	11	21	5.8	.51	<.01	99.99
PPD-18212	65.52	11.06	6.19	2.87	3.20	1.74	1.16	1.39	.16	.12	.021	1040	47	123	213	30	10	20	6.4	1.00	.01	100.00
PPD-18223	58.86	11.40	8.03	4.11	5.86	2.16	.59	1.66	.10	.16	.021	537	51	132	147	33	<10	30	6.9	.98	<.01	99.96
PPD-18193	50.43	8.76	21.72	2.87	2.42	1.16	.86	1.01	.33	.10	.024	656	56	92	136	36	<10	24	10.0	.70	.04	99.80
PPD-18204	60.50	11.50	8.04	4.57	5.34	1.84	.95	1.21	.18	.16	.023	928	60	149	142	30	<10	25	5.5	.41	.01	99.97
PPD-18187	59.82	11.21	6.72	3.73	4.42	1.97	.59	1.34	.13	.12	.026	746	59	119	168	33	<10	27	9.8	1.87	.01	100.01
STANDARD SO-15/CSB	49.84	12.23	7.26	7.22	5.84	2.40	1.85	1.78	2.69	1.38	1.051	2015	81	394	997	23	23	12	5.9	2.40	5.31	99.87

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: TILL S230 40C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 7/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
PPD-18207	61.20	13.04	7.41	4.11	4.10	1.69	1.48	1.14	.20	.14	.019	1319	62	131	137	29	<10	24	5.1	.26	.03	99.83
PPD-18213	63.51	12.11	5.98	2.69	2.98	1.75	1.22	1.34	.21	.09	.018	1067	37	122	207	30	<10	19	8.0	1.51	<.01	100.07
PPD-18194	66.03	10.95	6.56	3.49	4.71	2.13	.77	1.37	.18	.13	.017	704	60	158	171	33	<10	26	3.4	.09	<.01	99.87
PPD-18185	65.11	11.00	6.29	3.89	5.21	2.23	.55	1.45	.10	.17	.027	962	62	127	173	32	<10	30	3.8	.11	<.01	99.99
PPD-18202	63.21	12.74	7.40	3.37	3.33	1.77	1.23	1.31	.13	.14	.019	1098	56	120	173	31	<10	26	5.2	.18	<.01	100.02
PPD-18222	54.57	11.94	7.93	3.84	5.32	1.93	.53	1.56	.15	.13	.022	556	51	116	158	32	<10	28	11.7	2.62	.06	99.73
PPD-18181	56.42	11.09	9.22	8.85	3.74	1.07	.77	1.04	.14	.19	.073	1705	234	51	117	25	<10	30	7.0	.18	<.01	99.85
PPD-18229	49.29	12.99	11.39	4.72	4.11	1.30	.69	1.37	.19	.21	.020	810	89	98	102	29	<10	31	13.3	2.43	.02	99.72
PPD-18214	60.25	12.23	7.83	4.36	5.60	2.01	.93	1.30	.19	.14	.020	740	68	161	164	31	<10	26	5.2	.34	<.01	100.20
PPD-18238	57.84	13.09	7.83	2.91	2.31	1.55	1.46	1.29	.12	.11	.014	711	43	103	214	31	11	20	11.4	2.36	.02	100.06
PPD-18195	65.70	11.64	6.53	3.20	3.57	1.83	1.17	1.34	.17	.15	.020	1280	67	125	210	33	<10	24	4.3	.17	<.01	99.82
PPD-18215	67.96	11.13	5.82	3.07	3.83	1.96	1.17	1.40	.17	.13	.020	1047	61	141	232	38	15	25	3.2	.07	<.01	100.04
PPD-18197	63.32	12.16	7.87	3.64	3.73	1.93	1.02	1.46	.14	.16	.017	985	130	139	171	32	<10	25	4.4	.23	<.01	100.02
PPD-18182	55.04	9.95	8.91	10.97	5.66	1.14	.53	.94	.10	.18	.105	1198	307	60	98	25	<10	33	6.0	.10	<.01	99.73
PPD-18230	48.61	15.06	10.86	6.62	4.22	1.47	1.24	1.49	.17	.22	.023	3093	82	117	110	29	<10	31	9.3	.79	<.01	99.68
PPD-18221	53.64	11.97	8.06	3.82	5.26	1.88	.54	1.56	.17	.14	.023	548	39	115	145	34	<10	29	12.9	3.03	.02	100.07
PPD-18196	65.05	11.81	6.87	3.35	3.66	1.84	1.02	1.38	.16	.17	.021	1062	66	128	210	31	<10	23	4.5	.31	<.01	100.01
PPD-18232	55.66	12.88	10.12	5.27	4.41	1.60	1.03	1.36	.17	.20	.022	954	70	131	127	33	<10	31	7.0	.14	<.01	99.88
PPD-18133 S-1	53.42	18.38	8.64	2.45	3.99	3.11	1.04	1.36	.16	.14	.008	362	<20	342	181	30	<10	24	7.4	.63	.01	100.21
PPD-18198	65.05	13.42	6.38	2.87	1.92	1.04	2.24	1.19	.18	.24	.016	1597	71	85	240	37	10	22	5.3	.27	<.01	100.08
PPD-18231	54.90	13.09	10.72	5.38	4.93	1.63	1.09	1.59	.16	.19	.016	729	57	117	137	36	<10	33	6.2	.18	<.01	100.03
PPD-18237	59.86	12.91	7.89	3.55	3.03	1.59	1.47	1.33	.17	.16	.019	844	58	106	173	30	<10	22	7.7	1.22	<.01	99.82
PPD-18184	62.70	11.58	7.23	3.96	4.62	1.97	.73	1.31	.15	.14	.030	1267	100	129	166	33	<10	31	5.3	.12	<.01	99.92
PPD-18217	61.45	12.05	7.86	4.37	4.74	1.90	.98	1.33	.16	.18	.023	1044	64	123	148	32	<10	27	4.7	.15	<.01	99.91
RE PPD-18217	62.56	11.66	7.24	3.99	4.64	1.98	.73	1.30	.06	.14	.028	1246	81	128	155	32	<10	30	5.4	.13	<.01	99.92
PPD-18235	57.79	13.62	8.63	4.06	2.76	1.49	1.50	1.31	.14	.16	.015	926	48	103	156	30	<10	22	8.4	1.38	.01	100.03
PPD-18200	65.17	12.02	6.91	3.19	2.91	1.53	1.34	1.20	.15	.25	.022	1431	138	109	183	32	10	23	4.9	.21	<.01	99.82
PPD-18236	48.69	12.62	10.07	4.74	3.92	1.27	.98	1.43	.23	.16	.013	648	59	103	125	28	<10	26	15.5	3.11	<.01	99.74
PPD-18234	57.92	15.16	8.89	3.84	2.23	1.45	2.00	1.23	.16	.15	.018	1241	90	102	157	33	11	26	6.6	.19	<.01	99.84
GSMD-18108	58.77	11.87	7.43	3.76	4.82	1.95	.71	1.46	.13	.14	.022	706	54	120	158	31	<10	27	8.7	1.91	.01	99.89
GSMD-18119	70.30	9.88	4.11	2.72	2.68	1.69	.80	1.02	.04	.07	.014	627	50	69	207	27	12	21	6.5	1.14	<.01	99.94
GSMD-18106	61.59	11.64	7.74	4.26	6.14	2.32	.56	1.63	.10	.15	.019	601	48	139	161	33	<10	32	3.6	.10	<.01	99.87
GSMD-18111	55.75	13.14	9.84	4.63	4.55	1.82	.75	1.44	.13	.19	.026	1183	72	115	128	33	<10	34	7.4	.22	<.01	99.85
STANDARD SO-15/CSB	49.26	12.61	7.13	7.16	5.91	2.43	1.86	1.75	2.72	1.40	1.063	1997	78	399	983	23	27	13	5.9	2.44	5.37	99.61

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GSMD-18117	56.72	12.41	9.53	4.45	5.21	1.91	.70	1.67	.15	.16	.021	763	71	121	133	35	<10	33	7.0	.72	<.01	100.07
GSMD-18110	62.28	12.18	7.69	3.57	3.45	1.70	.90	1.36	.11	.15	.029	1247	358	120	139	25	<10	24	6.3	.43	.02	99.94
GSMD-18105	45.93	13.64	13.70	7.91	7.09	.74	.62	1.85	.16	.25	.011	323	66	137	96	32	<10	35	8.2	.58	<.01	100.18
GSMD-18116	59.19	11.44	7.89	3.74	4.54	1.88	.67	1.55	.15	.14	.019	736	69	121	141	29	<10	26	8.5	1.70	.02	99.84
GSMD-18109	59.36	12.21	8.55	4.42	4.20	1.81	.72	1.55	.13	.17	.017	975	70	127	130	27	<10	28	6.6	.55	<.01	99.90
GSMD-18103	46.25	13.50	12.85	6.84	7.43	2.00	.23	2.03	.16	.22	.026	239	100	77	114	35	<10	41	8.2	.51	<.01	99.81
GSMD-18120	63.75	10.74	7.14	4.33	5.39	1.89	.53	1.31	.09	.14	.018	509	67	110	169	30	<10	32	4.7	.12	.01	100.14
GSMD-18104	60.76	11.57	6.75	2.08	2.45	1.53	1.07	1.33	.15	.07	.013	578	41	123	225	29	<10	18	12.2	2.77	<.01	100.10
GSMD-18112	56.27	11.46	7.96	3.53	4.45	1.81	.55	1.53	.08	.11	.019	589	49	110	132	26	<10	25	12.3	2.69	.01	100.18
GSMD-18118	59.43	12.09	8.23	4.36	5.15	1.97	.68	1.56	.13	.16	.022	711	73	111	138	28	<10	29	6.2	.69	.01	100.11
RE GSMD-18118	59.23	12.09	8.30	4.32	5.12	1.96	.69	1.55	.16	.16	.020	710	66	112	135	26	<10	29	6.2	.67	<.01	99.93
GSMD-18115	62.10	11.66	7.50	3.50	4.37	1.73	.91	1.51	.17	.13	.019	785	73	118	225	32	<10	25	6.4	.71	.01	100.15
GSMD-18107	61.47	11.69	7.82	3.69	4.17	1.97	.57	1.55	.09	.13	.019	713	51	124	129	26	<10	24	6.8	.95	.01	100.09
GSMD-18101	58.07	12.15	8.69	4.58	6.30	2.31	.59	1.78	.15	.16	.022	748	63	133	128	35	<10	31	4.9	.42	<.01	99.84
GSMD-18114	61.02	12.34	7.55	2.95	3.07	1.68	.98	1.45	.17	.09	.013	722	63	119	185	31	<10	23	8.4	1.20	<.01	99.85
GSMD-18102	58.07	12.09	8.67	4.50	6.25	2.31	.59	1.80	.14	.16	.020	756	60	134	126	35	<10	31	5.3	.47	.02	100.03
GSMD-18113	56.00	12.14	8.95	3.26	3.78	1.71	.70	1.66	.24	.11	.018	646	60	110	144	28	<10	25	11.5	2.18	.01	100.19
STANDARD SO-15/CSB	49.81	12.32	7.25	7.21	5.83	2.39	1.84	1.78	2.68	1.38	1.063	1993	82	393	986	22	26	12	5.9	2.42	5.32	99.87

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ___ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003741 Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
PPD-18126	.27	25.81	6.54	40.8	14	29.0	11.7	582	2.33	1.8	.4	5.9	4.8	18.3	.06	.18	.07	62	.53	.041	13.4	36.3	.66	128.6	.159	1	1.44	.009	.04	<.2	.04	15	<.1	.02	4.2
PPD-18137	.51	41.86	6.31	51.3	17	35.1	16.6	388	3.46	2.4	.3	2.6	3.3	13.6	.04	.22	.08	124	.67	.026	13.1	51.9	.99	112.7	.286	1	2.56	.006	.03	<.2	.04	18	.2	<.02	7.8
PPD-18128	1.61	165.74	21.08	130.4	62	77.1	28.8	1864	3.80	12.7	.9	19.9	4.1	34.4	.34	1.04	.23	102	.47	.067	19.6	97.9	1.25	652.7	.164	1	2.06	.006	.05	<.2	.08	76	.5	.10	5.9
PPD-18134	1.15	139.14	17.20	92.1	56	61.9	25.2	1299	3.18	10.4	.4	11.2	3.4	28.7	.18	.80	.19	90	.55	.046	12.6	69.8	1.10	1208.7	.208	2	2.11	.006	.04	.2	.06	39	.7	.08	5.4
PPD-18122	.29	64.30	4.81	51.4	93	43.6	20.4	754	3.42	3.1	.3	1.1	1.7	17.0	.08	.30	.06	114	.89	.038	6.6	47.3	1.15	184.0	.355	2	3.15	.018	.03	.2	.03	57	.4	<.02	8.4
PPD-18131	.89	162.93	12.14	86.7	81	59.6	24.2	1254	3.64	6.6	.5	7.0	3.4	48.6	.18	.55	.17	102	.78	.068	14.3	69.5	1.41	2072.6	.217	2	2.14	.012	.04	<.2	.06	131	.3	.09	6.7
PPD-18140	.66	44.23	13.55	91.4	50	51.0	21.2	554	3.11	10.2	.5	4.0	5.4	14.7	.16	.82	.16	58	.34	.067	20.1	43.9	.76	161.2	.106	2	1.77	.005	.04	<.2	.05	27	.4	.03	4.3
PPD-18121	.28	63.22	5.37	53.2	119	43.7	19.4	750	3.42	3.1	.3	1.2	1.8	17.6	.10	.30	.06	114	.88	.038	6.8	47.5	1.14	187.9	.364	3	3.08	.018	.03	.2	.04	58	.4	.04	8.5
PPD-18127	.75	136.09	10.48	61.9	48	59.5	29.7	1244	3.67	6.6	.4	4.2	2.0	24.3	.13	.61	.16	114	.83	.094	9.4	67.1	1.25	713.7	.220	2	3.03	.010	.04	<.2	.04	57	.6	.07	7.5
PPD-18136	.60	43.36	8.40	55.8	137	38.1	23.9	627	3.49	9.6	.4	1.7	2.9	16.5	.13	.69	.13	86	.59	.065	13.0	49.8	.84	97.4	.183	1	1.97	.007	.03	<.2	.03	32	.4	.02	5.3
PPD-18124	.19	46.22	3.46	39.4	26	43.4	17.4	680	3.01	1.7	.2	35.8	2.0	13.9	.06	.12	.05	93	.89	.032	6.9	48.6	1.20	110.9	.257	4	2.39	.009	.02	<.2	.02	22	.3	<.02	7.0
PPD-18129	.97	126.66	11.57	76.3	95	58.2	21.6	941	3.26	8.9	.4	36.4	2.7	18.2	.21	.63	.14	80	.37	.063	10.8	78.4	.89	432.1	.147	1	2.24	.006	.04	<.2	.05	60	.5	.07	5.1
PPD-18125	.29	47.52	4.32	41.5	40	38.5	16.0	608	3.18	2.5	.3	1.2	2.0	12.9	.08	.15	.06	103	.57	.034	7.5	60.3	.95	183.9	.270	2	2.42	.008	.03	<.2	.03	35	.3	.02	7.1
PPD-18139	.61	49.04	11.01	66.4	48	48.1	18.2	533	3.28	7.4	.4	3.1	5.0	14.6	.13	.54	.15	73	.38	.072	18.5	55.3	.93	155.2	.124	1	1.94	.005	.05	<.2	.05	31	.3	.04	5.2
PPD-18132	.89	170.64	13.72	90.2	102	77.5	25.4	1399	3.52	8.7	.4	9.2	4.0	26.4	.19	.60	.18	88	.60	.058	14.2	109.1	1.39	767.3	.200	3	2.01	.007	.05	<.2	.06	125	.5	.06	5.8
PPD-18123	.23	64.79	6.50	47.4	25	39.3	15.4	627	2.89	1.3	.3	.8	2.7	15.9	.06	.17	.09	89	.75	.024	9.4	44.9	1.07	270.1	.267	2	2.15	.008	.05	.2	.02	35	.3	.03	7.0
PPD-18135	.59	68.57	5.81	61.4	189	56.6	32.5	716	4.11	5.1	.3	5.8	1.9	14.9	.14	.43	.09	113	.67	.098	7.8	82.6	1.15	367.1	.268	1	3.57	.020	.03	<.2	.03	78	.6	.03	8.2
RE PPD-18135	.62	69.72	6.10	62.3	195	52.6	32.9	714	4.07	5.2	.3	1.4	1.9	15.0	.14	.45	.09	112	.65	.096	7.9	82.6	1.14	366.6	.264	2	3.56	.019	.03	<.2	.03	76	.6	.02	8.3
PPD-18138	.57	38.33	8.58	65.5	39	46.6	19.3	468	3.45	9.1	.4	1.1	3.9	11.4	.11	.51	.14	79	.31	.052	18.0	53.0	.88	93.9	.119	1	1.87	.005	.03	<.2	.04	23	.4	.03	5.1
PPD-18130	.85	132.75	13.02	122.7	48	73.3	31.0	1367	4.15	6.8	.4	4.3	2.9	33.0	.24	.48	.19	128	.92	.082	10.9	83.1	1.61	797.3	.247	2	3.00	.012	.05	<.2	.05	30	.6	.05	8.9
PPD-18275	.45	45.34	4.30	63.2	60	48.1	27.0	762	4.87	9.2	.2	2.3	1.3	8.4	.21	.56	.07	162	.79	.030	6.1	85.9	1.42	326.5	.352	2	3.15	.007	.02	<.2	.03	57	.5	.03	9.9
PPD-18272	.25	50.07	5.14	43.1	39	42.6	22.0	952	3.21	26.9	.2	5.4	1.9	13.1	.11	.83	.08	110	.84	.053	5.9	58.6	1.13	143.0	.253	2	2.64	.007	.02	.2	.03	28	.4	<.02	7.0
PPD-18280	.42	121.58	5.37	66.6	39	123.5	30.3	1101	4.69	14.2	.2	22.3	1.8	40.8	.12	.73	.07	131	1.04	.039	8.0	98.5	2.18	493.2	.246	2	2.69	.015	.04	<.2	.03	71	.4	.03	8.4
PPD-18277	.53	36.65	6.90	77.3	27	45.1	21.4	732	3.57	43.4	.3	6.0	2.7	12.6	.16	.99	.11	98	.39	.045	10.0	71.2	1.04	89.3	.208	1	2.68	.006	.03	.2	.04	48	.5	.02	6.7
PPD-18271	.19	73.19	2.70	52.3	35	60.5	27.5	1033	3.90	25.3	.2	53.3	1.7	17.7	.14	.65	.04	128	.85	.031	6.3	91.6	1.54	92.7	.298	1	3.09	.013	.02	<.2	.02	28	.4	<.02	8.8
PPD-18276	.27	170.49	3.88	89.9	55	101.9	57.1	1831	6.76	104.1	.1	30.4	.8	39.0	.18	1.13	.04	238	1.00	.040	7.4	205.8	3.56	429.2	.345	1	4.86	.016	.02	.3	.03	42	.5	.02	14.3
PPD-18133 S-1	1.03	29.20	8.08	51.0	53	12.1	12.3	453	3.94	2.2	.6	1.9	2.8	45.4	.07	.10	.15	157	.46	.043	11.6	38.5	.53	92.6	.348	<1	4.05	.112	.06	<.2	.13	40	.5	.03	10.7
PPD-18278	.76	50.68	5.02	56.8	98	50.6	24.0	853	4.12	95.5	.3	10.2	1.5	7.8	.15	1.32	.10	130	.51	.058	7.3	87.6	1.25	127.0	.266	1	3.39	.007	.02	.2	.03	90	.7	.03	7.6
PPD-18274	.63	71.98	6.99	70.0	153	66.3	28.7	697	4.13	25.5	.4	1.4	1.7	12.7	.22	.74	.13	140	.56	.059	9.8	95.9	.90	313.6	.157	<1	2.76	.005	.03	<.2	.04	103	.6	.03	7.8
PPD-18279	.26	72.05	5.02	65.0	61	121.0	25.4	791	4.48	9.7	.2	4.8	2.5	37.1	.12	.41	.08	124	1.21	.051	7.9	86.5	2.08	264.2	.227	2	2.77	.021	.05	<.2	.03	40	.3	<.02	8.8
PPD-18273	.50	50.01	3.97	46.7	224	53.5	22.0	623	3.58	7.6	.2	7.5	.9	9.5	.19	.56	.07	121	.60	.040	5.1	86.7	1.12	619.6	.285	1	2.79	.006	.02	<.2	.02	77	.6	.02	7.4
TCHD-18267	.75	91.19	10.25	79.6	50	58.9	34.1	859	3.98	12.4	.5	3.5	5.6	28.4	.21	.98	.15	75	.63	.075	17.9	48.5	1.02	226.0	.149	<1	1.62	.007	.05	<.2	.05	70	.5	.04	5.0
TCHD-18263	.59	70.59	9.94	73.3	33	49.3	26.3	758	3.56	7.5	.5	2.6	5.3	21.2	.12	.54	.15	80	.56	.062	17.9	51.8	1.01	153.7	.158	<1	1.74	.007	.04	<.2	.04	45	.4	.03	5.4
STANDARD DS2	14.00	126.20	32.81	154.8	257	32.4	11.5	814	3.03	57.3	19.8	201.8	3.7	28.0	10.16	9.07	11.26	77	.52	.090	15.9	160.3	.59	157.2	.093	2	1.66	.029	.16	7.2	1.81	237	2.2	1.81	5.9

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: TILL S230 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 19 2000 DATE REPORT MAILED: Oct 5/2000 SIGNED BY ...D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data V FA ___

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Hg	Se	Te	Ga
	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppb	ppm	ppm	ppm
TCHO-18269	.52	42.50	11.63	62.3	70	42.4	13.7	586	2.90	5.0	.6	10.3	6.4	21.5	.11	.49	.14	64	.59	.072	21.9	45.9	.71	324.6	.168	<1	1.49	.008	.05	<.2	.04	41	.3	.02	4.4
TCHO-18262	.75	76.84	43.12	128.9	33	57.0	22.6	965	3.54	11.2	1.0	3.5	12.4	22.8	.24	.88	.41	67	.37	.070	39.1	57.6	1.06	366.7	.122	1	2.18	.006	.14	<.2	.10	87	.4	.03	6.1
TCHO-18268	.61	50.14	11.55	62.9	21	46.1	20.1	643	3.06	8.1	.5	3.6	6.1	18.5	.09	.59	.15	64	.45	.068	19.8	46.0	.78	160.4	.155	<1	1.63	.006	.04	<.2	.04	18	.4	.03	4.4
TCHO-18265	.86	60.54	22.53	102.6	32	63.6	22.4	886	3.44	17.6	.6	4.5	7.0	21.9	.16	1.00	.19	66	.49	.076	26.4	49.4	.98	213.2	.135	<1	1.80	.006	.06	<.2	.07	32	.4	.03	5.2
TCHO-18270	.71	115.32	18.59	77.4	55	50.9	18.2	1142	3.42	14.3	.6	24.7	6.3	20.7	.15	1.15	.25	76	.42	.060	23.4	47.6	1.01	426.4	.131	1	1.66	.005	.06	<.2	.06	29	.4	.14	5.2
TCHO-18266 S-I	1.06	27.95	9.36	54.8	47	12.7	13.2	474	4.13	2.1	.6	.7	2.8	48.9	.17	.09	.15	158	.50	.043	12.2	43.5	.55	101.9	.376	<1	4.25	.132	.06	<.2	.13	38	.4	.03	10.9
TCHO-18261	.65	71.25	40.68	121.3	28	56.1	21.5	910	3.45	10.9	.9	4.2	11.7	20.6	.24	.75	.37	65	.34	.066	35.3	55.3	1.04	329.7	.117	<1	2.04	.005	.13	<.2	.09	82	.4	.03	5.9
TCHO-18264	.33	72.45	13.99	75.3	55	50.7	22.5	1193	3.84	6.1	.2	3.8	2.3	22.9	.28	.49	.09	125	1.23	.054	9.3	70.2	1.23	322.4	.329	2	2.33	.020	.06	<.2	.03	56	.2	.03	7.7
GSHO-18300	.56	104.34	11.05	79.4	44	100.0	26.1	1412	4.41	20.1	.3	10.6	3.6	27.4	.12	1.00	.14	111	.74	.047	15.9	115.9	1.76	691.8	.195	2	2.81	.009	.08	<.2	.05	78	.3	.08	8.2
GSHO-18256	.36	38.28	5.26	44.2	95	39.3	13.0	456	2.75	4.4	.4	2.5	2.4	18.2	.11	.33	.07	98	.78	.024	12.2	81.3	.70	186.2	.220	1	2.09	.011	.02	<.2	.03	59	.4	<.02	5.8
GSHO-18253	.49	37.95	8.72	51.9	44	36.2	13.2	363	2.72	4.8	.4	2.9	5.3	14.7	.07	.33	.11	62	.41	.057	16.7	47.5	.61	305.7	.125	<1	1.79	.006	.03	<.2	.04	31	.4	<.02	4.4
GSHO-18249	.59	43.74	11.68	55.0	84	34.8	13.0	530	2.61	6.9	.8	5.0	6.2	17.5	.14	.56	.14	51	.44	.067	22.3	39.0	.58	228.6	.121	1	1.22	.005	.04	<.2	.04	73	.3	.02	3.5
GSHO-18241	.83	49.05	27.98	132.5	300	51.7	21.6	616	3.37	16.9	.6	5.5	5.8	14.9	.33	1.17	.21	60	.36	.076	28.8	49.6	.89	193.3	.099	1	1.92	.005	.05	<.2	.08	68	.5	.03	4.9
GSHO-18251	.30	58.09	5.07	63.3	54	49.7	20.4	953	3.64	3.5	.2	3.6	1.9	21.7	.13	.35	.08	120	1.36	.057	7.8	57.9	1.34	290.6	.346	2	2.29	.020	.05	<.2	.03	38	.2	.02	7.6
GSHO-18281	.20	94.25	5.19	66.4	28	191.8	35.6	1039	5.23	12.8	.2	5.1	1.8	33.5	.14	.44	.07	139	1.21	.041	7.7	113.2	2.64	439.1	.258	3	3.29	.018	.06	<.2	.03	50	.2	<.02	9.9
GSHO-18246	.89	45.63	13.24	64.9	157	46.8	16.9	568	3.12	8.6	.6	3.0	5.7	15.6	.15	.53	.18	71	.53	.031	19.6	62.7	.81	305.6	.130	1	1.85	.007	.05	<.2	.05	44	.4	.03	5.0
GSHO-18254	.22	39.48	4.04	42.9	28	39.6	17.5	708	2.96	3.5	.2	1.9	2.0	31.7	.12	.28	.05	112	.98	.031	7.4	57.2	1.00	216.8	.319	1	2.42	.017	.03	<.2	.02	23	.2	<.02	6.8
GSHO-18282	.19	92.44	4.31	66.3	22	201.6	35.8	1001	5.10	11.6	.1	4.3	1.8	33.5	.11	.47	.06	135	1.24	.040	7.7	108.9	2.64	402.9	.253	3	3.20	.019	.05	<.2	.03	43	.2	<.02	9.7
GSHO-18291	.49	62.09	7.33	56.7	39	80.9	22.0	885	3.50	4.3	.3	3.5	2.1	28.9	.11	.27	.09	100	.77	.022	8.3	85.1	1.40	601.0	.218	1	2.82	.010	.04	<.2	.03	38	.3	.04	7.2
GSHO-18299 TILL-4	14.67	237.51	42.48	55.1	172	14.1	6.1	295	3.18	117.5	2.5	4.6	12.6	10.0	.13	.71	47.02	41	.12	.075	30.3	25.1	.52	84.9	.118	1	1.84	.024	.31	156.0	.31	<5	.7	.19	6.2
GSHO-18250	.37	51.48	5.06	48.2	32	41.1	19.2	725	3.20	4.5	.2	3.5	1.7	13.0	.10	.43	.06	112	1.00	.052	7.3	56.0	.93	157.4	.336	2	2.27	.012	.03	.5	.02	31	.4	.03	6.6
GSHO-18242	.81	50.07	27.60	129.6	274	49.7	21.5	615	3.34	16.3	.6	5.5	5.7	15.0	.31	1.23	.21	59	.36	.077	28.3	49.0	.87	185.4	.099	1	1.88	.005	.05	<.2	.08	65	.5	.04	4.8
GSHO-18292	.80	60.01	8.04	75.1	114	68.4	18.6	566	3.58	3.4	.4	5.3	2.2	20.6	.18	.23	.13	101	.72	.022	13.4	83.2	.96	427.0	.154	<1	2.54	.008	.04	<.2	.05	43	.5	.04	7.7
RE GSHO-18292	.81	59.39	7.97	76.5	114	64.3	18.7	577	3.65	3.5	.4	2.7	2.4	21.8	.19	.21	.13	105	.76	.023	14.4	85.0	.98	434.3	.167	<1	2.63	.009	.04	<.2	.05	43	.4	.02	8.0
GSHO-18255	.30	64.53	6.18	40.6	49	35.4	16.0	672	2.70	5.0	.3	2.1	2.4	23.6	.08	.35	.08	100	.95	.029	10.9	61.8	.87	439.1	.290	2	2.05	.015	.02	<.2	.02	27	.3	.02	5.5
GSHO-18243	.85	41.51	24.08	105.6	669	57.6	19.9	361	3.59	15.1	.8	2.7	7.9	12.6	.30	.66	.30	59	.36	.044	26.5	53.3	.78	254.6	.070	<1	2.39	.005	.05	<.2	.10	113	.6	.04	5.5
GSHO-18290	.41	53.85	6.22	50.7	64	114.5	27.0	825	3.24	3.3	.3	15.4	1.6	17.7	.12	.24	.08	87	.67	.031	9.2	80.3	1.40	559.6	.190	1	2.67	.010	.04	<.2	.03	46	.5	.02	6.6
GSHO-18247	.88	83.43	22.00	88.6	118	45.2	17.6	1161	3.30	8.6	.8	3.5	7.1	29.1	.20	.69	.25	52	.57	.080	29.1	44.1	.84	306.9	.117	<1	1.59	.008	.07	<.2	.05	84	.3	.03	4.9
GSHO-18252	.25	50.26	5.02	50.9	24	40.8	15.2	801	2.92	3.6	.2	4.6	1.8	12.3	.08	.33	.08	101	1.00	.037	6.4	45.3	.99	204.9	.321	1	1.89	.012	.03	<.2	.02	19	.3	.03	6.0
GSHO-18295	.28	41.95	6.29	51.5	14	57.6	15.4	682	3.10	2.7	.3	6.0	3.3	24.4	.04	.21	.09	91	.83	.037	12.8	69.8	1.19	398.6	.249	2	2.14	.012	.05	<.2	.03	29	.2	.03	6.3
GSHO-18286	.52	49.60	6.81	55.3	43	46.8	22.1	1025	3.45	6.1	.3	3.8	1.6	20.9	.17	.52	.17	92	.95	.067	8.8	57.1	1.00	223.1	.218	1	2.68	.015	.04	<.2	.03	53	.4	<.02	6.5
GSHO-18245	.50	36.29	12.35	67.6	50	45.7	14.1	405	3.09	5.6	.5	32.4	8.3	11.6	.11	.55	.16	56	.32	.035	32.9	52.8	.92	255.4	.091	<1	1.91	.005	.07	<.2	.05	26	.4	.02	5.2
GSHO-18294	.38	47.50	4.82	47.6	13	57.4	20.8	444	3.29	3.3	.3	2.1	2.3	39.7	.06	.26	.08	92	.81	.044	9.3	55.2	1.07	337.0	.199	1	3.26	.007	.05	<.2	.03	43	.3	.02	7.1
STANDARD DS2	13.40	124.20	32.78	153.8	258	33.4	11.6	813	3.03	57.6	18.8	192.5	3.6	28.0	9.86	9.63	10.67	73	.52	.088	16.0	159.6	.59	169.1	.092	1	1.68	.028	.16	7.5	1.78	233	2.3	1.83	5.9

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data: V 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
GSMD-18257	.29	38.67	3.86	40.1	22	42.3	13.9	598	2.47	3.3	.2	3.0	2.4	19.2	.07	.37	.06	87	.94	.037	8.9	47.8	.80	195.9	.263	<1	1.61	.015	.02	<.2	.02	26	.2	<.02	5.1
GSMD-18284	.60	90.60	5.02	64.4	29	120.0	30.6	1165	4.25	10.0	.2	5.5	2.1	40.1	.11	.58	.07	116	1.23	.056	8.5	93.1	2.00	364.4	.233	2	2.57	.016	.05	<.2	.04	57	.3	<.02	8.3
GSMD-18248	.67	45.59	22.53	73.2	108	42.8	17.1	664	2.97	12.1	.5	5.6	6.0	11.9	.10	.74	.20	61	.30	.055	19.7	44.1	.68	423.5	.098	<1	1.55	.004	.04	<.2	.05	41	.4	.04	4.6
GSMD-18258	.36	64.39	4.23	55.2	26	55.6	19.9	829	3.11	3.7	.2	3.1	1.7	23.2	.10	.36	.07	109	.96	.052	7.6	52.6	1.04	361.4	.304	1	2.59	.012	.03	<.2	.02	25	.5	.02	7.5
GSMD-18297	.50	117.68	5.05	61.7	91	321.1	62.9	1147	5.34	16.2	.4	3.8	2.2	32.0	.09	.42	.10	140	1.11	.049	8.0	145.3	3.45	148.2	.229	<1	3.30	.010	.05	<.2	.04	33	.5	.03	9.4
GSMD-18259	.31	54.91	4.46	43.2	22	46.9	15.2	639	2.81	3.9	.2	2.2	2.2	14.8	.07	.40	.08	104	.80	.032	8.2	56.3	1.00	353.3	.298	1	2.23	.015	.02	<.2	.02	23	.4	.02	6.4
GSMD-18287	.69	36.18	4.21	43.5	86	39.3	14.1	454	3.51	5.9	.3	4.3	1.0	13.5	.18	.44	.07	92	.62	.048	6.6	54.9	.71	143.8	.213	<1	2.31	.007	.02	<.2	.03	82	.6	.02	5.9
GSMD-18293	.68	83.86	6.24	68.6	130	76.3	21.5	849	3.78	3.6	.5	2.0	1.1	29.1	.15	.23	.12	110	.87	.048	10.9	127.0	1.31	419.1	.136	1	3.04	.008	.05	<.2	.05	49	.4	.03	8.8
GSMD-18244	.50	63.54	7.95	69.0	36	72.9	25.2	1100	4.34	14.5	.3	1.7	4.5	38.2	.05	.39	.13	130	.48	.024	17.7	90.1	1.75	515.0	.155	<1	2.90	.004	.06	.2	.05	24	.4	.07	9.1
GSMD-18296	.26	80.18	3.24	63.9	26	211.3	40.9	1052	6.18	8.2	.2	34.8	1.5	18.3	.07	.45	.04	170	.94	.051	7.7	100.7	2.81	282.1	.240	1	3.34	.012	.02	<.2	.03	25	.3	<.02	12.4
GSMD-18288	.43	47.09	7.11	63.6	37	47.1	17.8	739	3.45	5.2	.3	4.9	3.6	21.2	.16	.40	.10	103	.84	.057	12.0	73.1	.91	390.8	.225	1	2.08	.011	.05	<.2	.04	64	.2	.02	6.5
GSMD-18285	.57	55.34	5.70	58.1	36	46.2	17.7	738	3.52	7.3	.3	2.2	2.0	25.2	.12	.52	.09	111	.52	.054	9.6	70.3	.87	305.7	.226	<1	2.46	.008	.03	<.2	.05	49	.4	.03	7.4
GSMD-18298	.22	68.37	4.18	45.8	16	88.8	20.1	698	3.62	12.9	.2	16.7	2.3	20.8	.05	.44	.06	112	.91	.041	8.0	90.6	1.42	218.1	.214	<1	2.61	.011	.03	<.2	.02	36	.2	<.02	7.5
GSMD-18283	.47	84.05	5.24	55.9	14	186.4	35.6	1118	4.77	10.1	.2	4.0	1.7	20.9	.08	.50	.07	132	.97	.029	8.0	104.3	2.42	443.5	.281	2	2.98	.016	.03	<.2	.03	33	.3	<.02	8.9
GSMD-18260	.32	47.15	5.34	39.1	41	44.8	16.3	732	3.04	5.8	.3	3.8	2.1	21.7	.12	.42	.09	108	.98	.036	9.2	77.0	.85	172.8	.268	1	2.02	.015	.02	<.2	.03	76	.3	<.02	6.1
GSMD-18289	.36	40.81	4.16	42.3	12	35.5	15.0	572	2.45	3.7	.2	6.7	2.2	15.3	.11	.35	.06	84	.82	.057	7.6	39.3	.80	181.8	.250	2	1.75	.010	.02	<.2	.02	15	.3	<.02	5.2
GEBD-18329	.34	50.06	6.21	48.0	91	64.6	24.2	704	3.60	7.2	.2	1.1	.8	11.6	.15	.35	.05	130	.93	.046	4.8	74.1	1.14	125.9	.325	2	2.78	.012	.02	<.2	.02	63	.4	.03	8.1
GEBD-18338	.46	29.05	11.11	57.6	35	49.6	16.0	643	2.92	5.2	.4	1.8	4.3	14.7	.13	.39	.14	77	.67	.037	16.1	63.0	.89	220.8	.199	1	1.66	.008	.04	<.2	.03	26	.3	.02	5.2
GEBD-18333 S-1	1.12	26.24	8.55	50.1	38	12.3	13.1	459	3.99	2.4	.6	1.7	2.8	46.3	.08	.08	.16	154	.46	.042	12.0	38.9	.54	97.4	.357	1	4.04	.115	.06	.2	.13	35	.5	.03	10.8
GEBD-18322	.44	61.62	2.74	53.0	33	69.5	28.9	883	4.75	26.0	.2	2.7	1.0	14.3	.12	3.97	.04	146	.92	.046	4.8	86.8	1.22	98.9	.267	1	2.77	.019	.03	<.2	.04	47	.3	<.02	7.9
GEBD-18330	.20	64.55	4.25	51.4	17	69.4	24.4	818	3.85	6.8	.1	1.6	1.1	11.4	.11	.31	.05	134	1.11	.025	4.7	69.4	1.53	261.2	.362	2	2.86	.012	.02	<.2	.02	24	.4	<.02	9.0
RE GEBD-18330	.23	66.09	4.35	51.7	12	71.9	24.5	828	3.89	6.8	.1	2.1	1.1	11.3	.11	.31	.05	135	1.10	.025	4.8	67.7	1.55	264.1	.362	2	2.89	.012	.02	<.2	.02	21	.4	.02	9.3
GEBD-18339	.54	32.03	9.75	59.1	30	49.5	18.7	557	2.92	5.8	.4	1.9	4.2	12.6	.14	.42	.13	77	.55	.055	15.3	56.8	.85	158.5	.198	1	1.84	.007	.05	<.2	.03	28	.4	<.02	5.1
GEBD-18321	.40	59.11	2.41	50.5	35	66.8	28.3	873	4.71	25.2	.2	2.7	1.0	14.0	.13	4.07	.03	144	.90	.044	4.7	83.0	1.22	101.2	.265	1	2.75	.019	.03	<.2	.04	54	.4	<.02	8.0
GEBD-18331	.28	64.39	4.47	51.6	16	53.1	22.5	889	3.22	5.0	.1	2.3	1.4	14.9	.12	.36	.05	120	1.13	.043	6.1	52.6	1.17	152.7	.356	2	2.35	.014	.02	<.2	.02	18	.3	<.02	7.6
GEBD-18340	.48	36.28	7.81	57.3	37	52.3	18.0	629	3.00	6.6	.4	2.9	4.1	14.4	.13	.46	.11	84	.67	.053	16.7	63.5	.99	195.7	.209	1	1.69	.007	.04	<.2	.03	11	.3	<.02	5.3
GEBD-18323	.26	28.42	3.27	42.0	18	42.9	18.3	624	2.92	2.8	.2	6.2	1.7	15.9	.12	.22	.05	104	1.01	.036	7.2	58.1	.94	71.6	.350	2	2.40	.024	.02	<.2	.02	26	.4	<.02	7.1
GEBD-18328	.48	52.65	5.52	54.1	115	57.0	24.1	737	3.39	4.2	.2	2.6	1.5	18.8	.18	.34	.07	104	1.01	.056	7.6	52.4	1.07	146.7	.270	1	3.01	.016	.04	<.2	.03	61	.4	<.02	7.6
GEBD-18325	.17	32.15	1.73	32.2	16	30.7	14.4	462	2.50	1.7	.1	2.9	.7	12.9	.09	.19	.03	95	1.05	.043	3.7	39.0	.82	45.5	.313	2	2.23	.014	.01	<.2	<.02	36	.3	<.02	6.4
GEBD-18335	.34	40.19	4.24	51.4	105	42.7	21.0	666	2.90	5.5	.2	5.9	1.0	11.5	.12	.40	.06	106	.91	.042	5.2	55.4	.95	188.3	.309	2	2.53	.011	.02	<.2	.02	65	.5	<.02	7.2
GEBD-18327	.28	50.86	7.20	50.2	50	51.1	19.6	781	3.40	3.8	.2	.7	1.4	19.0	.12	.36	.05	121	1.03	.035	6.7	57.8	1.22	212.1	.334	1	2.54	.011	.02	<.2	.02	32	.3	.02	8.0
GEBD-18332	.48	50.75	8.79	61.8	58	57.1	29.4	1196	3.91	7.8	.3	2.1	1.4	13.3	.20	.42	.08	126	.85	.033	8.2	80.4	1.12	249.0	.292	2	2.77	.011	.03	<.2	.03	58	.5	.02	8.4
GEBD-18324	.41	64.31	3.21	49.3	53	55.5	24.7	800	3.53	5.0	.2	1.1	1.2	24.2	.15	.38	.05	119	1.01	.051	5.4	60.0	1.10	99.8	.296	1	3.33	.017	.02	<.2	.02	59	.5	<.02	8.6
STANDARD DS2	14.07	122.29	32.56	153.5	262	37.5	11.8	806	3.00	59.2	18.5	190.6	3.6	28.2	10.22	9.85	11.19	73	.51	.087	15.8	156.2	.58	157.8	.092	2	1.63	.028	.15	7.7	1.87	249	2.3	1.81	6.0

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data 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
GEBD-18337	.56	34.05	9.86	58.0	74	41.9	16.1	513	2.89	5.6	.4	2.5	3.9	10.6	.13	.50	.12	77	.50	.047	15.4	55.0	.85	164.2	.184	2	1.88	.009	.04	<.2	.04	21	.3	.04	4.9
GEBD-18334	.29	45.22	4.67	44.9	17	52.3	18.5	662	3.37	4.7	.2	3.6	1.8	15.3	.09	.36	.04	116	.95	.015	6.7	70.7	1.19	216.3	.313	2	2.68	.018	.03	<.2	.02	28	.3	<.02	7.3
GEBD-18326	.22	39.85	8.84	47.7	19	37.4	19.6	649	2.70	3.7	.2	1.2	1.3	12.4	.13	.31	.03	108	1.08	.041	5.2	48.5	.95	193.6	.306	2	2.24	.019	.03	<.2	<.02	18	.2	<.02	6.7
GEBD-18336	.45	65.31	7.88	53.5	55	84.2	35.1	1250	3.76	13.9	.3	2.3	2.8	11.6	.12	.97	.09	107	.54	.057	11.2	98.7	1.64	350.8	.177	1	2.35	.008	.03	<.2	.03	58	.4	.04	6.0
RE GEBD-18336	.40	66.99	8.10	51.0	59	87.4	37.0	1296	3.91	14.4	.4	2.1	3.1	12.1	.11	1.01	.09	111	.58	.059	12.1	99.5	1.72	361.1	.189	1	2.46	.008	.04	<.2	.03	52	.3	.03	6.4
STANDARD DS2	14.29	128.88	33.65	159.1	273	35.1	12.3	841	3.13	61.8	19.8	208.8	3.7	26.7	10.25	9.60	10.97	76	.54	.091	15.8	159.3	.61	167.3	.095	2	1.73	.033	.16	7.9	1.84	225	2.2	1.90	5.8

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data V FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003741 Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
PPD-18126	.40	<.1	.18	.19	3.2	3.5	.4	<.01	<.05	7.7	6.94	27.3	.02	<1	.2	16.1	30
PPD-18137	.93	<.1	.21	.54	6.9	3.8	.8	<.01	<.05	6.5	6.69	25.0	.03	<1	.6	23.6	30
PPD-18128	.91	.1	.09	.51	5.0	9.1	.5	.01	<.05	4.8	20.78	37.3	.04	1	.8	17.7	30
PPD-18134	.85	.1	.20	.95	2.3	4.2	.5	.01	<.05	8.4	9.53	32.1	.03	<1	.5	14.4	30
PPD-18122	1.23	.1	.26	1.14	4.0	6.4	.8	.01	<.05	10.7	10.72	23.4	.04	<1	.7	10.0	30
PPD-18131	.77	.1	.43	.16	2.7	10.1	.6	<.01	<.05	14.4	19.56	26.5	.04	<1	.4	15.1	30
PPD-18140	.57	.1	.06	.45	3.9	2.8	.3	<.01	<.05	3.7	6.81	42.7	.03	<1	.4	22.6	30
PPD-18121	1.24	.1	.28	1.15	3.8	6.4	.9	.01	<.05	10.8	11.18	23.1	.05	1	.5	9.9	30
PPD-18127	1.13	.1	.15	1.16	2.8	5.6	.6	.01	<.05	6.5	13.04	26.6	.05	<1	.7	14.0	30
PPD-18136	.77	.1	.07	.58	4.1	3.9	.5	.01	<.05	4.3	9.06	28.2	.04	<1	.4	17.8	30
PPD-18124	.69	.1	.22	.40	1.8	5.3	.6	<.01	<.05	9.5	11.74	19.7	.04	<1	.3	10.7	30
PPD-18129	1.07	.1	.09	1.19	4.8	3.6	.4	.01	<.05	4.6	6.44	30.4	.05	<1	.4	16.5	30
PPD-18125	.59	.1	.14	.68	2.8	5.4	.8	<.01	<.05	7.1	9.63	18.8	.05	1	.4	11.3	30
PPD-18139	.75	.1	.07	.38	5.7	3.4	.4	<.01	<.05	4.2	6.32	39.1	.04	<1	.4	20.9	30
PPD-18132	.75	.1	.34	.17	2.8	9.3	.4	<.01	<.05	14.0	18.10	25.3	.05	1	.4	16.5	30
PPD-18123	.72	.1	.18	.94	4.1	5.3	.8	<.01	<.05	6.8	11.61	22.7	.05	<1	.5	10.2	30
PPD-18135	1.02	.1	.14	.57	6.3	6.0	.6	.01	<.05	7.0	11.20	18.7	.06	<1	.6	20.4	30
RE PPD-18135	.99	.1	.11	.59	6.3	5.9	.7	.01	<.05	7.2	11.37	18.5	.06	<1	.7	20.3	30
PPD-18138	.68	.1	.04	.49	4.8	3.2	.4	<.01	<.05	3.0	6.65	37.2	.04	<1	.5	21.9	30
PPD-18130	1.05	.1	.27	.35	3.1	6.6	.7	<.01	<.05	12.1	12.19	25.3	.05	<1	.4	17.6	30
PPD-18275	1.37	.1	.20	.86	3.7	7.1	.8	.01	<.05	9.0	13.32	15.5	.07	2	.6	38.0	30
PPD-18272	1.31	.1	.20	.53	2.8	6.6	.6	<.01	<.05	9.6	11.44	25.2	.05	1	.4	23.2	30
PPD-18280	1.39	.1	.31	.08	2.9	13.1	.6	<.01	<.05	12.6	16.67	15.5	.05	2	.4	18.5	30
PPD-18277	2.11	.1	.14	.78	3.4	5.9	.5	<.01	<.05	7.4	9.22	23.0	.05	<1	.3	30.0	30
PPD-18271	1.79	.1	.33	.31	2.1	9.5	.8	<.01	<.05	13.5	14.38	29.1	.05	1	.4	33.9	30
PPD-18276	3.23	.1	.33	.16	2.1	23.4	1.0	<.01	<.05	13.8	21.35	21.6	.08	4	.7	67.9	30
PPD-18133 S-1	1.33	.2	.66	.41	4.7	8.7	1.3	<.01	<.05	40.1	14.36	31.0	.06	<1	.9	10.8	30
PPD-18278	2.55	.1	.16	.82	3.4	8.1	.7	.01	<.05	8.4	10.33	24.0	.06	<1	.3	38.2	30
PPD-18274	2.99	.1	.04	.77	6.1	8.6	.5	.02	<.05	3.4	17.06	31.1	.06	2	.8	30.0	30
PPD-18279	1.23	.1	.36	.06	3.4	10.2	.6	<.01	<.05	13.4	13.90	16.4	.04	1	.4	21.9	30
PPD-18273	1.70	<.1	.14	.89	2.9	5.2	.6	.01	<.05	6.4	10.46	18.8	.05	<1	.5	23.9	30
TCHD-18267	.74	.1	.27	.09	3.3	6.7	.3	<.01	<.05	10.0	13.79	33.8	.02	2	.3	17.9	30
TCHD-18263	.51	.1	.17	.14	3.0	5.6	.3	<.01	<.05	7.1	12.01	34.6	.02	<1	.5	19.7	30
STANDARD DS2	3.33	.1	.06	1.47	13.4	3.0	26.5	.02	<.05	3.5	7.65	30.5	5.39	1	.7	15.9	30

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: TILL S230 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 19 2000 DATE REPORT MAILED: Oct 5/2000 SIGNED BY. D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data V FA ___

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
TCHD-18269	.49	.1	.23	.11	3.6	4.9	.3	<.01	<.05	10.0	11.40	40.8	.02	1	.3	15.4	30.0
TCHD-18262	.90	<.1	.35	.18	6.9	5.5	.4	<.01	<.05	19.3	14.29	77.2	.03	2	.8	26.8	30.0
TCHD-18268	.41	.1	.14	.32	3.0	3.5	.4	<.01	<.05	6.9	7.93	40.4	.02	<1	.3	17.2	30.0
TCHD-18265	.86	.1	.15	.33	4.0	3.5	.4	<.01	<.05	7.3	9.58	51.5	.03	<1	.5	21.8	30.0
TCHD-18270	.82	.1	.15	.17	4.7	4.6	.4	<.01	<.05	8.0	8.94	43.7	.04	<1	.5	18.4	30.0
TCHD-18266 S-1	1.39	.2	.68	.42	4.7	9.2	1.5	.01	<.05	41.0	14.70	31.4	.06	<1	.8	11.6	30.0
TCHD-18261	.79	<.1	.38	.13	6.2	5.1	.4	<.01	<.05	18.1	12.22	72.0	.04	<1	.6	24.6	30.0
TCHD-18264	.71	.1	.44	.06	3.2	9.4	3.2	<.01	<.05	16.0	15.65	18.7	.05	<1	.4	13.8	30.0
GSMD-18300	1.56	.1	.20	.19	5.3	10.9	.6	<.01	<.05	9.4	14.22	30.1	.06	<1	.5	22.6	30.0
GSMD-18256	.75	.1	.16	.63	4.2	7.4	.4	.01	<.05	8.2	24.78	26.3	.05	<1	.4	26.4	30.0
GSMD-18253	.55	.1	.12	.29	4.6	3.3	.4	<.01	<.05	6.0	6.12	35.9	.04	<1	.4	14.2	30.0
GSMD-18249	.42	.1	.17	.13	3.0	6.1	.3	<.01	<.05	7.6	12.42	37.0	.04	<1	.3	13.3	30.0
GSMD-18241	.75	.1	.04	.51	5.4	3.0	.3	<.01	<.05	3.4	7.72	54.9	.06	<1	.4	22.5	30.0
GSMD-18251	.55	.1	.41	.10	2.6	6.7	.6	<.01	<.05	13.8	13.73	16.5	.05	<1	.4	13.4	30.0
GSMD-18281	1.71	.1	.30	.08	3.8	12.5	.6	<.01	<.05	11.0	15.50	16.4	.07	<1	.4	22.1	30.0
GSMD-18246	.69	.1	.15	.48	7.3	4.7	.4	<.01	<.05	7.5	8.79	43.9	.05	<1	.4	40.4	30.0
GSMD-18254	.68	.1	.39	.19	1.9	6.4	.6	<.01	<.05	16.9	10.50	20.9	.05	<1	.4	14.6	30.0
GSMD-18282	1.69	.1	.32	.07	3.5	11.9	.6	<.01	<.05	11.2	15.20	16.0	.06	<1	.3	21.3	30.0
GSMD-18291	.92	.1	.17	.83	3.6	4.8	.5	<.01	<.05	7.1	7.65	20.0	.05	<1	.3	14.7	30.0
GSMD-18299 TILL-4	8.91	.1	.10	1.89	33.0	3.5	7.4	.06	<.05	4.9	8.29	53.8	.34	1	1.1	23.4	7.5
GSMD-18250	.58	.1	.25	.78	2.1	5.3	.7	<.01	<.05	10.6	11.75	20.5	.05	<1	.4	11.1	30.0
GSMD-18242	.72	.1	.05	.53	4.9	3.0	.4	.01	<.05	3.3	7.61	53.2	.04	<1	.4	22.4	30.0
GSMD-18292	1.19	.1	.08	1.28	7.0	5.9	.6	.01	<.05	4.0	11.17	25.9	.05	<1	.5	20.8	30.0
RE GSMD-18292	1.23	.1	.08	1.36	7.4	6.1	.8	.01	<.05	4.2	11.61	27.8	.05	<1	.6	20.7	30.0
GSMD-18255	.75	.1	.33	.25	1.9	7.7	.9	<.01	<.05	13.5	14.43	27.1	.04	<1	.6	12.3	30.0
GSMD-18243	.81	.1	.15	.83	9.0	3.8	.5	<.01	<.05	7.5	8.47	66.2	.05	<1	.8	29.0	30.0
GSMD-18290	.86	.1	.13	.88	4.2	4.6	.5	.01	<.05	5.3	8.64	23.1	.03	2	.4	12.7	30.0
GSMD-18247	1.00	.1	.22	.08	4.0	5.0	.4	<.01	<.05	10.5	12.56	51.6	.03	<1	.4	23.1	30.0
GSMD-18252	.36	.1	.38	.22	1.7	4.4	.6	<.01	<.05	11.3	9.96	15.2	.03	<1	.3	10.3	30.0
GSMD-18295	.69	<.1	.24	.30	4.1	5.4	.7	<.01	<.05	9.8	8.39	24.7	.02	<1	.3	14.7	30.0
GSMD-18286	.69	.1	.16	.83	3.0	5.5	.6	.01	<.05	7.8	10.43	27.2	.04	<1	.4	14.7	30.0
GSMD-18245	.58	.1	.19	.13	6.6	3.0	.4	<.01	<.05	8.7	6.46	67.3	.02	<1	.4	24.1	30.0
GSMD-18294	1.60	.1	.12	.70	5.3	4.7	.5	<.01	<.05	5.9	5.99	18.9	.03	<1	.4	15.5	30.0
STANDARD DS2	3.34	.1	.04	1.43	13.3	2.9	26.5	.03	<.05	3.0	7.72	30.7	5.42	<1	.6	15.0	30.0

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data Y FA ___

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GSMD-18257	.30	.1	.37	.12	1.4	6.0	.5	<.01	<.05	15.7	11.81	18.2	.02	1	.3	12.1	30
GSMD-18284	1.32	.1	.34	.08	2.9	10.7	.5	<.01	<.05	12.5	17.61	16.5	.03	2	.3	20.4	30
GSMD-18248	.61	.1	.11	.19	4.8	4.6	.3	<.01	<.05	5.9	9.07	39.4	.03	1	.4	19.3	30
GSMD-18258	.78	.1	.32	.42	2.0	6.1	.6	<.01	<.05	14.1	11.63	21.7	.03	2	.4	12.1	30
GSMD-18297	1.91	.1	.24	.18	4.2	13.3	.6	<.01	<.05	9.2	17.25	19.9	.04	<1	.3	24.9	30
GSMD-18259	.52	<.1	.31	.45	2.0	5.2	.5	<.01	<.05	13.5	9.56	22.7	.03	<1	.4	14.2	30
GSMD-18287	.72	<.1	.12	.96	3.2	4.3	.4	.02	<.05	5.1	9.14	14.8	.04	1	.3	14.3	30
GSMD-18293	1.37	<.1	.04	.97	7.2	7.6	.6	.02	<.05	2.7	14.66	22.1	.04	<1	.4	18.8	30
GSMD-18244	.90	.1	.12	.21	7.7	6.4	.4	<.01	<.05	5.0	8.76	40.8	.05	<1	.6	37.4	30
GSMD-18296	1.49	.1	.15	.08	2.3	12.9	.6	<.01	<.05	6.8	16.14	20.1	.07	<1	.5	17.8	30
GSMD-18288	.73	<.1	.30	.05	3.3	10.2	.5	<.01	<.05	13.7	14.52	23.2	.05	<1	.4	14.8	30
GSMD-18285	1.01	.1	.15	1.01	4.5	7.2	.6	.01	<.05	7.2	10.29	22.0	.06	<1	.3	11.7	30
GSMD-18298	.88	.1	.36	.04	2.2	12.1	.5	<.01	<.05	13.2	14.93	15.7	.06	<1	.3	20.0	30
GSMD-18283	1.24	.1	.21	.16	3.1	8.6	.7	<.01	<.05	8.9	11.31	18.6	.07	<1	.4	18.1	30
GSMD-18260	.70	.1	.15	.34	2.5	14.5	.7	<.01	<.05	9.5	23.12	23.2	.06	<1	.3	16.1	30
GSMD-18289	.30	.1	.30	.34	1.5	3.9	.4	<.01	<.05	12.5	8.92	16.9	.05	<1	.2	9.3	30
GEBD-18329	1.19	.1	.17	.79	2.4	6.8	.6	.01	<.05	9.5	12.21	13.8	.07	<1	.4	18.1	30
GEBD-18338	.41	<.1	.15	.37	3.8	4.4	.5	<.01	<.05	6.6	8.40	33.2	.05	<1	.4	15.3	30
GEBD-18333 S-1	1.35	.1	.67	.47	4.6	8.8	1.5	.01	<.05	40.1	14.82	31.3	.09	<1	.7	11.0	30
GEBD-18322	1.75	.1	.22	.41	3.8	10.9	.8	<.01	<.05	13.4	13.09	15.0	.08	<1	.5	14.3	30
GEBD-18330	.89	.1	.35	.40	1.7	6.8	.9	<.01	<.05	11.0	12.14	12.6	.07	<1	.5	24.4	30
RE GEBD-18330	.91	.1	.30	.45	1.7	6.9	.7	<.01	<.05	10.9	12.09	12.6	.06	<1	.4	25.2	30
GEBD-18339	.49	.1	.14	.54	3.9	3.4	.4	.01	<.05	6.3	7.36	32.6	.04	<1	.3	15.1	30
GEBD-18321	1.75	.1	.25	.41	3.6	10.6	.8	.01	<.05	12.9	12.54	14.8	.06	<1	.4	14.0	30
GEBD-18331	.78	.1	.39	.30	1.3	6.0	.8	<.01	<.05	15.3	13.36	16.7	.05	<1	.4	16.2	30
GEBD-18340	.49	<.1	.16	.42	2.8	3.8	.4	<.01	<.05	6.7	8.42	32.4	.03	<1	.3	17.4	30
GEBD-18323	.58	.1	.31	.65	1.7	5.6	.7	<.01	<.05	16.5	12.93	19.7	.04	<1	.4	12.0	30
GEBD-18328	.79	.1	.21	.97	2.7	5.4	.6	.01	<.05	10.5	10.66	18.2	.03	2	.3	11.9	30
GEBD-18325	.31	.1	.31	.57	.8	5.2	.6	<.01	<.05	15.8	10.83	12.0	.02	2	.3	6.7	30
GEBD-18335	.62	.1	.24	.86	1.5	6.1	.7	.01	<.05	11.3	12.19	14.1	.04	2	.3	14.7	30
GEBD-18327	.89	.1	.20	.65	2.1	5.5	.6	<.01	<.05	9.1	11.17	18.8	.03	2	.3	21.2	30
GEBD-18332	.94	.1	.17	.84	2.6	8.2	.6	.01	<.05	8.8	16.19	24.4	.05	<1	.5	20.0	30
GEBD-18324	.84	.1	.31	.82	2.0	6.5	.8	.01	<.05	16.0	11.55	17.6	.03	2	.3	11.9	30
STANDARD DS2	3.46	.1	.04	1.47	13.0	3.0	26.9	.01	<.05	3.0	7.80	30.4	5.58	2	.6	15.1	30

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GEBD-18337	.51	.1	.08	.72	4.2	3.1	.3	.02	<.05	5.0	6.31	30.9	.02	1	.3	15.3	30
GEBD-18334	.82	.1	.26	.46	3.1	6.0	.6	<.01	<.05	11.1	9.19	16.6	.04	3	.3	18.4	30
GEBD-18326	.36	.1	.34	.59	1.5	5.1	.5	<.01	<.05	13.8	10.29	13.3	.03	1	.3	12.4	30
GEBD-18336	.65	.1	.08	.34	3.1	6.3	.5	<.01	<.05	5.0	8.55	27.3	.04	<1	.4	21.8	30
RE GEBD-18336	.69	.1	.09	.33	3.3	6.6	.5	<.01	<.05	4.9	9.23	29.4	.04	3	.6	23.5	30
STANDARD DS2	3.60	<.1	.02	1.38	13.4	3.1	27.0	.02	<.05	2.8	7.90	29.8	5.42	2	.6	14.8	30

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Date 12 FA

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

WHOLE ROCK ICP ANALYSIS

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A003741R Page 1
800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
PPD-18126	74.26	9.61	4.59	1.97	1.90	1.65	1.08	1.04	.11	.09	.010	471	35	107	289	28	20	13	3.4	.21	<.01	99.83
PPD-18137	63.25	12.46	7.07	2.99	3.11	1.75	1.04	1.44	.07	.08	.015	669	56	123	194	30	19	20	6.4	.83	<.01	99.81
PPD-18128	66.73	10.58	7.22	3.27	2.16	1.14	1.19	1.13	.16	.26	.025	2070	77	113	153	40	19	25	5.6	.39	<.01	99.75
PPD-18134	66.76	10.41	6.55	3.36	3.01	1.17	1.09	1.26	.12	.20	.022	2812	79	120	143	29	<10	23	5.9	.65	.01	100.22
PPD-18122	58.33	11.61	6.91	3.78	4.06	1.83	.50	1.35	.14	.13	.020	422	54	91	155	25	<10	26	11.4	2.17	<.01	100.15
PPD-18131	64.75	10.91	7.45	3.89	3.60	1.39	1.12	1.33	.18	.19	.023	3528	72	154	138	39	11	32	4.7	.13	.01	99.98
PPD-18140	63.66	13.46	6.57	2.60	1.95	1.52	2.00	1.15	.18	.10	.017	1307	63	115	206	32	14	18	6.4	.75	<.01	99.81
PPD-18121	58.35	11.35	6.91	3.80	4.09	1.83	.49	1.34	.14	.13	.022	422	55	93	156	26	<10	26	11.4	2.33	<.01	99.94
PPD-18127	58.13	11.57	7.31	3.92	3.86	1.42	.83	1.17	.26	.20	.026	1729	76	103	130	29	<10	25	10.9	1.97	.01	99.84
PPD-18136	61.07	12.06	7.21	2.73	2.68	1.52	1.27	1.32	.20	.11	.017	890	53	114	197	33	<10	20	9.5	2.00	.01	99.84
PPD-18124	63.13	10.34	6.69	4.56	5.30	1.79	.46	1.31	.08	.14	.031	332	324	97	187	29	<10	30	5.9	.68	.01	99.85
PPD-18129	62.33	11.86	6.73	2.67	2.32	1.43	1.09	1.12	.18	.15	.021	1344	64	135	192	26	10	18	9.9	1.89	<.01	100.01
PPD-18125	65.19	10.22	6.35	3.09	3.03	1.63	.57	1.23	.11	.11	.022	457	57	95	219	25	<10	21	8.2	1.30	<.01	99.86
PPD-18139	63.98	13.19	6.66	2.75	1.89	1.49	1.82	1.15	.16	.09	.018	1399	53	105	179	29	11	19	6.4	.65	.01	99.81
PPD-18132	67.17	10.65	6.84	3.60	2.69	1.22	1.13	1.09	.14	.20	.027	2011	94	113	117	35	<10	27	4.9	.18	.01	99.93
PPD-18123	67.50	10.16	5.87	3.17	2.97	1.47	1.10	1.12	.10	.11	.018	650	56	80	191	26	16	21	6.3	.79	<.01	100.01
PPD-18135	52.48	13.37	8.56	3.51	3.33	1.36	.89	1.35	.30	.13	.020	1145	74	93	147	31	11	24	14.6	2.87	.03	100.08
RE PPD-18135	52.67	13.30	8.50	3.51	3.33	1.37	.89	1.34	.28	.13	.022	1138	78	93	148	31	<10	24	14.6	2.84	.01	100.12
PPD-18138	61.78	13.84	7.07	2.69	1.81	1.49	2.03	1.16	.17	.08	.017	1186	53	116	167	29	<10	19	7.5	1.02	<.01	99.82
PPD-18130	60.89	11.86	7.92	4.36	3.65	1.34	1.07	1.20	.19	.21	.026	2101	98	106	135	30	<10	27	6.8	.41	<.01	99.80
PPD-18275	54.00	12.02	9.02	3.90	3.36	1.82	.53	1.48	.18	.13	.025	772	144	94	129	29	<10	25	13.6	2.88	.02	100.21
PPD-18272	59.05	11.85	6.76	3.64	4.24	1.89	.63	1.49	.14	.16	.026	395	76	114	282	29	<10	26	9.7	1.72	<.01	99.69
PPD-18280	56.42	12.08	9.38	5.84	4.59	1.90	.69	1.36	.11	.19	.039	925	152	142	140	32	<10	35	7.3	.26	<.01	100.07
PPD-18277	59.30	12.77	7.11	3.02	2.27	1.60	1.25	1.26	.15	.12	.021	522	64	115	218	30	<10	23	11.3	2.07	.01	100.29
PPD-18271	58.16	12.70	8.00	4.66	4.64	2.03	.63	1.37	.09	.17	.033	325	74	134	207	33	<10	33	7.6	.70	<.01	100.18
PPD-18276	46.96	14.66	11.50	7.00	3.10	1.65	.31	1.51	.13	.25	.037	617	114	89	98	32	<10	44	12.6	.92	<.01	99.82
PPD-18133 S-1	53.69	18.00	8.67	2.47	3.98	2.99	1.12	1.39	.13	.13	.008	360	29	335	185	29	<10	24	7.2	.64	.01	99.89
PPD-18278	53.93	12.26	7.65	3.48	2.78	1.61	.62	1.30	.20	.13	.025	388	59	86	163	25	<10	26	15.8	3.51	.02	99.88
PPD-18274	54.99	11.87	7.75	2.61	2.28	1.47	.90	1.13	.21	.11	.024	762	83	113	181	37	<10	24	16.3	4.03	.02	99.79
PPD-18279	57.33	12.58	8.80	5.38	4.51	1.84	.86	1.22	.13	.14	.033	644	139	135	135	31	<10	30	7.2	.17	<.01	100.16
PPD-18273	53.66	11.18	7.46	4.03	3.99	1.85	.46	1.39	.17	.12	.029	1113	75	98	122	26	<10	27	15.3	3.90	.02	99.81
TCHD-18267	63.57	12.87	7.96	3.00	2.74	1.70	1.69	1.17	.18	.14	.015	1232	57	148	174	36	<10	24	4.6	.17	<.01	99.83
TCHD-18263	63.23	13.54	7.28	3.03	2.63	1.65	1.76	1.21	.14	.12	.019	1179	60	137	162	34	<10	24	5.0	.29	<.01	99.79
STANDARD SO-15/CSB	49.72	12.33	7.27	7.23	5.85	2.40	1.85	1.81	2.69	1.38	1.056	2010	78	394	1005	24	23	12	5.9	2.42	5.26	99.91

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: TILL S230 40C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 7/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GSMD-18257	67.55	10.51	5.94	3.36	4.68	2.16	.74	1.43	.08	.12	.025	631	59	138	228	33	<10	27	3.4	.18	<.01	100.13
GSMD-18284	57.88	12.07	8.85	5.44	4.86	1.89	.80	1.31	.13	.19	.033	881	131	154	142	36	11	34	6.3	.18	<.01	99.92
GSMD-18248	67.88	12.25	6.22	2.18	1.74	1.52	1.59	1.25	.13	.11	.013	1515	46	112	274	35	18	20	4.9	.43	<.01	100.02
GSMD-18258	61.95	11.49	6.85	3.83	4.56	1.90	.70	1.38	.11	.14	.024	937	89	116	177	29	11	28	6.9	.84	.01	100.00
GSMD-18297	53.49	12.22	9.72	7.37	3.99	1.61	.63	1.16	.12	.17	.043	441	303	120	141	30	<10	29	9.2	.52	<.01	99.85
GSMD-18259	65.40	10.78	6.15	3.62	4.02	1.87	.68	1.31	.06	.12	.026	875	53	113	177	27	<10	25	5.8	.66	<.01	99.99
GSMD-18287	52.91	11.05	7.46	2.69	3.19	1.58	.69	1.26	.18	.09	.021	577	32	122	184	26	13	21	18.6	5.09	.02	99.84
GSMD-18293	53.66	12.14	7.52	3.90	3.47	1.27	.92	.99	.17	.14	.035	1060	74	106	143	30	10	27	15.6	4.02	.03	99.98
GSMD-18244	60.00	13.88	8.12	3.94	1.62	1.49	1.53	1.38	.03	.16	.019	2021	86	109	190	30	13	24	7.5	.75	.01	99.95
GSMD-18296	52.29	12.25	12.24	6.70	3.89	2.13	.38	1.33	.11	.20	.033	478	225	98	140	36	<10	34	8.4	.42	<.01	100.07
GSMD-18288	65.33	11.98	6.83	2.63	3.06	1.91	1.06	1.32	.09	.12	.020	919	61	151	243	34	<10	25	5.5	.11	<.01	100.02
GSMD-18285	59.26	13.22	7.28	2.49	2.60	2.08	1.06	1.40	.13	.12	.021	785	51	210	187	25	12	21	10.2	1.88	.02	100.01
GSMD-18298	60.93	11.91	7.76	4.46	4.19	1.84	.66	1.23	.11	.13	.034	545	108	113	191	32	<10	32	6.5	.18	<.01	99.88
GSMD-18283	56.25	12.12	9.26	6.30	4.29	1.87	.59	1.36	.10	.18	.038	830	181	109	140	25	<10	29	7.5	.47	<.01	100.01
GSMD-18260	64.23	11.03	6.59	3.16	4.36	2.09	.69	1.43	.10	.13	.027	558	39	139	220	42	<10	35	6.0	.66	<.01	99.96
GSMD-18289	65.79	11.04	5.96	3.32	4.47	2.16	.78	1.45	.16	.12	.024	684	41	155	238	30	14	24	4.3	.35	.01	99.72
GEBD-18329	54.87	12.12	7.90	4.40	5.26	2.29	.42	1.55	.17	.14	.032	452	55	116	142	29	<10	32	10.8	2.26	.02	100.05
GEBD-18338	66.35	12.09	6.29	2.88	2.88	1.73	1.50	1.38	.10	.11	.018	1198	48	122	209	29	10	21	4.5	.41	.02	100.02
GEBD-18333 S-1	53.40	18.37	8.70	2.43	3.91	2.95	1.15	1.44	.12	.13	.009	363	<20	328	195	29	<10	24	7.3	.69	.03	100.02
GEBD-18322	54.82	13.77	8.97	3.52	3.71	1.78	.84	1.80	.13	.14	.034	368	74	94	177	32	<10	31	10.4	1.46	.01	100.01
GEBD-18330	57.19	12.15	8.39	5.33	5.71	2.39	.39	1.60	.09	.16	.036	593	77	106	131	28	<10	34	6.4	.73	<.01	99.95
RE GEBD-18330	57.46	12.24	8.38	5.28	5.72	2.39	.39	1.63	.06	.16	.034	600	75	106	117	28	<10	34	6.4	.73	<.01	100.26
GEBD-18339	65.73	12.59	6.10	2.80	2.61	1.70	1.56	1.33	.10	.10	.021	1211	50	117	198	27	14	19	5.2	.59	<.01	100.03
GEBD-18321	54.43	13.72	9.06	3.51	3.62	1.75	.87	1.76	.15	.14	.032	369	64	94	166	28	<10	30	10.7	1.60	<.01	99.83
GEBD-18331	59.63	11.72	7.50	4.73	5.98	2.38	.52	1.65	.11	.17	.031	520	65	123	154	31	11	34	5.4	.39	<.01	99.93
GEBD-18340	67.09	11.64	6.19	2.90	2.65	1.78	1.27	1.37	.11	.11	.021	1283	68	118	199	28	<10	19	4.7	.44	<.01	100.03
GEBD-18323	61.99	11.51	6.42	3.38	4.33	2.11	.68	1.46	.10	.12	.026	321	34	127	198	30	<10	24	7.8	1.29	.01	100.02
GEBD-18328	54.15	12.65	7.06	3.59	4.18	1.84	.87	1.25	.16	.13	.024	629	71	117	138	25	<10	24	14.1	3.05	.01	100.12
GEBD-18325	59.44	11.15	6.57	3.95	6.06	2.14	.38	1.52	.13	.12	.029	223	33	122	219	29	<10	30	8.2	1.45	<.01	99.77
GEBD-18335	57.26	11.48	6.71	4.00	5.05	2.15	.47	1.47	.11	.14	.028	635	56	111	153	29	<10	30	11.1	2.20	.02	100.09
GEBD-18327	59.56	12.06	7.05	4.08	4.56	2.40	.60	1.48	.11	.14	.024	623	32	129	144	28	<10	27	7.7	1.28	<.01	99.88
GEBD-18332	56.58	11.86	7.75	3.64	4.03	1.93	.57	1.46	.14	.19	.028	683	82	110	183	33	<10	28	11.8	2.30	.02	100.11
GEBD-18324	53.22	12.88	7.41	3.70	4.62	1.80	.57	1.32	.19	.14	.030	351	55	120	162	27	<10	26	13.9	2.85	<.01	99.87
STANDARD SO-15/CSB	49.82	12.48	7.20	7.16	5.79	2.38	1.85	1.82	2.66	1.37	1.045	2070	80	390	972	23	24	13	5.9	2.37	5.33	99.90

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A-FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GEBD-18337	64.95	12.52	6.22	2.67	2.40	1.60	1.58	1.26	.11	.09	.017	1311	47	109	200	29	18	19	6.1	.86	.01	99.72
GEBD-18334	62.06	12.19	7.03	3.59	3.89	2.08	.70	1.36	.03	.12	.024	632	57	126	171	27	11	24	6.8	.82	<.01	100.00
GEBD-18326	61.17	11.60	6.57	4.05	5.46	2.41	.50	1.41	.07	.13	.028	596	46	130	179	29	<10	29	6.5	1.04	<.01	100.02
GEBD-18336	61.17	12.09	7.74	4.24	2.72	1.67	1.00	1.28	.14	.19	.023	1132	103	105	171	30	<10	23	7.5	.92	<.01	99.95
RE GEBD-18336	61.07	12.02	7.59	4.18	2.72	1.70	.97	1.28	.32	.19	.025	1129	102	105	183	31	20	23	7.4	.91	.01	99.65
STANDARD SO-15/CSB	49.23	12.59	7.28	7.23	5.85	2.39	1.84	1.71	2.66	1.38	1.051	2022	80	392	954	23	36	13	5.9	2.37	5.27	99.53

Sample type: TILL S230 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2320 File # A004181 Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8

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
GEBX-14204	.73	73.25	5.86	69.8	176	25.0	9.5	1103	1.50	4.2	.2	1.4	.2	41.5	.42	.52	.07	67	2.03	.123	7.9	41.3	.38	106.8	.093	6	1.68	.008	.08	<.2	.04	157	1.0	<.02	3.2
GEBX-14202	.68	53.43	5.67	25.7	218	7.7	6.8	1095	.72	3.3	.6	1.6	<.1	34.1	.28	.73	.05	35	1.65	.145	10.9	31.9	.26	54.9	.021	4	.72	.008	.10	.2	.06	277	2.1	<.02	1.6
GEBX-14205	.81	57.71	6.48	62.4	214	28.3	14.5	962	2.42	5.6	.6	.9	.3	27.2	.29	.42	.09	114	1.36	.087	10.2	66.4	.62	176.4	.133	2	2.08	.008	.04	<.2	.05	122	.6	<.02	6.2
GEBX-14201	.64	51.49	3.90	23.7	193	7.0	6.7	1141	.66	3.2	.5	1.5	<.1	34.4	.29	.65	.04	32	1.54	.150	10.4	30.4	.24	53.5	.017	4	.68	.007	.14	<.2	.05	238	2.4	.02	1.4
GEBX-14203	.71	53.94	3.72	73.0	141	23.8	26.4	4483	2.74	11.0	.2	2.3	.1	41.4	.39	1.84	.09	111	1.75	.111	10.0	44.6	.57	97.4	.073	3	1.73	.009	.07	<.2	.06	251	.8	.02	4.0
PPX-14083	.98	61.35	3.18	48.6	160	15.8	17.9	3313	1.77	5.1	.2	1.9	<.1	34.7	.52	.73	.04	71	1.51	.155	8.3	36.1	.31	191.5	.053	5	1.13	.008	.23	<.2	.04	161	.8	<.02	2.5
PPX-14252	.52	26.18	6.06	51.4	77	30.3	15.1	913	2.27	2.5	.5	1.6	1.2	20.4	.24	.43	.09	78	.73	.068	9.4	58.2	.74	208.5	.206	1	1.58	.009	.05	<.2	.03	73	.4	.02	4.3
PPX-14098	.39	29.14	4.78	69.0	89	31.3	23.7	2106	2.32	2.1	.3	4.5	1.8	19.9	.24	.20	.07	75	.66	.058	8.9	59.8	.75	193.4	.231	<1	1.63	.010	.06	<.2	.03	64	.2	<.02	4.0
PPX-14215	1.41	27.23	12.54	102.6	341	43.7	16.5	2151	3.14	6.7	1.4	2.4	3.7	50.9	.49	.47	.12	49	.62	.086	24.1	36.3	.62	404.6	.062	<1	1.41	.004	.08	<.2	.07	131	.8	.03	3.9
PPX-14081	.39	50.97	3.39	48.7	55	133.1	29.1	831	3.59	6.3	.3	2.4	1.3	28.5	.08	.45	.04	114	1.25	.044	6.4	76.3	2.17	345.4	.216	4	2.25	.013	.05	<.2	.03	47	.4	.05	6.5
PPX-14262	1.53	24.86	6.46	67.8	145	33.3	20.3	3669	2.83	10.0	.6	2.9	1.7	27.8	.35	.59	.09	86	.90	.096	10.3	52.3	.67	251.6	.135	2	1.54	.009	.07	<.2	.06	91	.5	.03	4.4
PPX-14082	.36	50.65	3.27	48.2	51	130.1	28.3	817	3.56	6.4	.3	7.4	1.3	28.1	.09	.44	.05	113	1.23	.042	6.2	75.5	2.14	348.5	.211	4	2.21	.013	.05	<.2	.03	51	.4	<.02	6.2
PPX-14093	.41	35.08	6.72	66.2	137	37.4	18.5	1237	2.75	5.0	.4	1.5	1.8	18.3	.23	.65	.09	86	.68	.055	11.0	66.2	.67	220.0	.171	1	1.93	.008	.10	<.2	.04	69	.2	.04	5.2
PPX-14251	.41	29.64	4.44	67.3	47	32.5	20.1	1917	2.41	2.7	.3	3.6	1.8	21.4	.20	.27	.05	77	.68	.061	8.5	58.6	.76	160.2	.235	1	1.48	.011	.06	<.2	.02	55	.3	.02	3.8
PPX-14096	.94	41.56	9.95	78.7	261	43.4	41.3	2556	3.68	5.5	.6	2.0	1.2	23.4	.33	.80	.14	108	.60	.096	9.5	89.2	.80	254.2	.142	<1	2.50	.015	.22	<.2	.06	141	.3	.02	5.9
PPX-14261	1.42	24.35	5.98	67.4	134	33.6	20.4	3403	2.77	9.8	.5	2.4	1.6	25.4	.33	.52	.07	85	.88	.085	9.7	49.9	.66	248.7	.131	1	1.52	.008	.06	<.2	.06	87	.6	.02	4.3
PPX-14095	.40	31.24	6.80	64.7	124	33.5	17.8	1281	2.53	4.3	.4	220.4	1.9	20.1	.23	.62	.09	80	.74	.062	10.3	58.9	.73	153.4	.190	1	1.76	.011	.08	<.2	.04	86	.3	.08	4.4
PPX-14253	.58	31.93	5.03	59.1	73	34.9	16.7	975	2.33	3.6	.4	2.6	1.2	21.9	.27	.55	.07	76	.83	.083	8.2	63.3	.81	173.9	.208	1	1.59	.011	.12	<.2	.03	73	.5	.04	3.8
PPX-14236	.85	40.23	7.44	75.1	248	42.7	14.2	1365	2.26	3.3	.6	6.8	1.7	19.7	.26	.29	.09	51	.60	.055	13.3	46.5	.62	322.0	.109	<1	1.54	.006	.08	<.2	.04	92	.6	.04	3.2
PPX-14099 STSD-2	11.28	40.83	65.03	206.5	456	50.5	16.9	738	3.66	34.0	14.0	2.1	9.5	124.5	.78	3.06	3.75	58	1.12	.122	31.0	52.8	1.33	112.7	.099	2	3.00	.050	.18	1.8	.19	44	.5	.07	9.5
PPX-14260	2.11	74.85	9.08	155.3	694	44.6	74.5	14075	6.76	21.0	1.9	2.5	.8	54.9	1.28	.53	.10	150	1.87	.143	44.6	56.6	.36	739.7	.051	1	2.33	.005	.13	<.2	.15	328	.9	.03	3.8
PPX-14214	1.23	51.08	25.30	121.8	463	33.1	15.0	1045	3.34	8.7	2.2	16.8	2.9	56.6	.95	.62	.15	46	.72	.115	24.6	24.1	.64	306.4	.039	1	1.48	.003	.11	.2	.07	125	1.6	.04	4.2
RE PPX-14214	1.24	50.91	26.87	124.4	467	34.4	15.9	1010	3.37	8.9	2.2	2.4	3.2	58.3	.99	.65	.16	46	.73	.125	26.8	24.4	.65	308.9	.046	<1	1.51	.004	.11	<.2	.07	142	1.8	.04	4.3
PPX-14271	.68	58.24	5.81	73.2	275	42.3	30.3	2830	2.51	2.0	.4	1.0	.6	16.4	.41	.18	.07	56	.81	.067	7.9	54.9	.68	162.1	.097	<1	1.79	.006	.07	<.2	.05	153	.4	<.02	3.8
PPX-14085	1.00	75.55	4.32	69.1	206	19.5	19.2	4418	1.78	5.5	.5	2.0	.1	45.3	.52	.82	.09	67	1.91	.145	12.2	46.5	.34	413.5	.044	4	1.14	.012	.21	<.2	.05	232	2.3	.02	2.3
PPX-14097	.33	27.76	5.08	51.9	67	30.0	15.3	822	2.18	3.2	.4	42.6	1.7	19.2	.23	.43	.07	73	.77	.058	8.6	56.8	.74	150.9	.219	1	1.53	.010	.08	<.2	.03	54	.3	.02	3.7
PPX-14270	.77	36.52	6.54	48.7	485	28.7	27.9	4435	1.79	3.1	.7	2.4	.4	24.5	.81	.61	.09	37	.52	.112	10.4	36.2	.32	293.3	.044	1	1.37	.008	.18	<.2	.05	177	.4	.03	2.5
PPX-14216	2.79	40.17	11.70	77.8	351	16.1	14.8	2001	4.56	11.3	1.6	6.6	1.4	86.2	.91	.30	.09	52	.99	.107	16.1	15.5	.57	325.1	.045	<1	1.31	.004	.10	<.2	.07	163	2.7	.02	3.8
PPX-14092	.70	77.23	6.72	69.5	328	58.6	18.2	1056	3.13	6.0	.8	1.6	.5	32.3	.33	.73	.10	97	.98	.111	12.5	91.7	.73	207.9	.112	2	2.76	.008	.16	<.2	.05	182	.9	.02	4.9
PPX-14279	.64	37.01	7.93	55.7	151	30.4	40.9	2224	2.31	2.4	.5	2.8	1.5	19.4	.31	.33	.13	70	.58	.069	12.4	53.9	.58	157.7	.159	1	1.84	.006	.11	<.2	.04	132	.4	<.02	4.4
PPX-14087	1.16	64.85	4.31	50.3	224	25.1	10.9	862	1.91	4.7	.4	2.6	.2	30.6	.35	1.03	.09	76	1.29	.120	14.0	55.7	.47	307.8	.116	4	1.77	.011	.29	<.2	.03	132	1.5	.02	3.9
PPX-14254	.61	35.49	7.31	113.8	174	38.7	32.0	4513	2.91	3.8	.4	1.5	.8	25.4	.39	.41	.09	87	.77	.092	10.6	66.5	.63	218.2	.120	1	2.10	.009	.12	<.2	.05	155	.3	.03	4.4
PPX-14237	.69	25.55	10.37	74.5	260	28.2	14.3	926	2.05	3.2	.6	1.7	2.1	19.8	.51	.25	.09	44	.46	.054	13.4	35.3	.57	177.7	.087	<1	1.31	.005	.08	<.2	.04	87	.2	<.02	3.2
STANDARD DS2	13.74	126.83	32.46	158.2	257	34.2	11.8	828	3.11	60.7	19.9	192.1	3.7	29.1	10.34	9.59	10.83	77	.54	.086	15.5	163.5	.60	154.9	.093	3	1.73	.030	.15	7.0	1.84	228	2.2	1.92	6.0

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: MOSS MAT S140 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 13 2000 DATE REPORT MAILED: Oct 30/00 SIGNED BY: C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2320 FILE # A004181

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
PPX-14269	1.23	41.16	12.89	119.7	291	36.8	20.8	2738	2.81	9.2	1.4	4.6	1.2	30.0	.50	.69	.14	70	.88	.109	18.5	50.2	.62	381.5	.070	2	1.46	.005	.08	<.2	.07	191	3.2	<.02	3.8
PPX-14225	1.47	53.61	17.33	104.8	1016	54.6	12.6	954	2.46	9.2	10.8	13.5	1.4	64.9	.79	.74	.19	37	.98	.097	35.6	34.0	.46	324.0	.034	2	1.52	.012	.15	<.2	.07	235	3.0	.04	3.4
PPX-14213	1.31	63.25	15.06	93.0	297	20.6	19.0	2630	4.44	16.0	1.3	9.3	2.3	87.2	.86	.45	.11	61	1.00	.103	18.3	15.2	.77	453.9	.061	2	1.44	.004	.12	<.2	.07	107	1.4	.03	4.9
PPX-14280	.93	36.21	8.60	93.8	389	40.9	90.8	6500	3.54	4.5	.6	4.5	.7	26.0	.58	.53	.13	86	.64	.125	10.8	57.3	.51	359.7	.082	1	2.09	.009	.19	<.2	.08	198	.4	<.02	4.7
PPX-14086	.68	70.30	4.16	48.6	177	26.2	11.9	956	2.22	3.3	.3	1.5	.2	28.8	.30	.37	.06	90	1.30	.113	11.7	49.1	.58	404.0	.140	3	1.91	.008	.11	<.2	.03	107	.7	<.02	4.6
PPX-14235	.62	33.12	14.52	79.9	127	33.7	16.4	1319	2.70	4.1	1.0	11.3	3.4	20.0	.29	.41	.15	58	.54	.058	20.7	41.0	.69	279.6	.117	1	1.59	.005	.11	<.2	.05	98	.5	<.02	4.3
PPX-14250	.60	31.36	13.83	78.0	105	28.9	20.5	1491	2.70	2.9	.5	1.3	1.6	20.9	.23	.23	.14	93	.76	.059	11.2	59.1	.85	190.6	.143	1	1.62	.007	.10	<.2	.04	102	.5	<.02	4.8
PPX-14267	.87	51.54	14.37	82.4	232	29.9	23.0	1788	2.36	4.5	.9	1.0	1.3	24.4	.78	.56	.13	57	.87	.107	19.1	36.4	.61	302.8	.105	3	1.65	.006	.32	<.2	.06	144	.6	.09	3.7
PPX-14239	1.63	37.47	13.89	122.5	782	42.4	14.1	1651	2.69	6.2	1.4	11.1	1.7	46.6	1.00	.57	.14	45	.56	.083	18.3	28.9	.49	362.7	.043	2	1.54	.005	.12	<.2	.07	158	.9	.04	3.6
PPX-14259	3.05	47.44	21.00	215.1	804	50.1	135.0	18215	6.15	10.8	1.4	2.8	1.2	50.1	3.18	.70	.18	88	1.08	.135	32.8	40.4	.43	1014.0	.052	2	2.05	.010	.21	<.2	.21	417	1.0	.05	4.1
PPX-14089	.63	78.92	4.62	50.3	198	111.0	19.1	920	3.05	14.7	.7	40.8	.6	34.3	.21	.53	.08	109	1.48	.070	15.0	83.8	1.13	724.8	.139	3	2.42	.007	.06	<.2	.04	136	3.0	.02	6.5
PPX-14100	1.92	59.61	14.99	146.2	654	86.0	12.8	811	2.55	6.6	2.0	1.4	1.3	77.9	.69	1.12	.15	34	.99	.107	24.0	25.6	.43	232.9	.037	2	1.05	.006	.11	<.2	.07	189	4.0	.02	3.1
PPX-14232	.67	28.69	19.13	88.3	171	30.8	13.2	860	2.40	11.1	1.4	2.2	4.5	27.3	.39	.58	.19	38	.58	.078	31.6	25.4	.50	179.3	.064	2	1.30	.008	.13	<.2	.06	70	.5	.02	3.6
PPX-14223	1.39	40.95	15.70	263.9	1155	79.1	61.0	16479	3.19	12.0	3.6	41.3	1.0	84.2	2.49	.63	.21	34	.92	.142	32.9	28.1	.34	536.8	.025	3	1.88	.012	.24	<.2	.09	228	.8	.07	3.9
PPX-14268	.73	36.99	14.27	87.6	180	34.7	30.9	3062	3.16	10.5	.8	2.5	2.8	18.8	.55	.86	.16	57	.52	.077	18.4	37.6	.57	262.9	.078	1	1.44	.006	.10	<.2	.07	129	.5	.04	4.2
RE PPX-14268	.76	39.04	14.70	93.1	183	35.3	32.7	3345	3.36	10.7	.8	6.1	3.4	20.8	.50	.97	.17	63	.58	.083	21.4	40.2	.61	281.0	.089	1	1.59	.007	.11	<.2	.07	137	.4	.03	4.3
PPX-14249	.55	26.32	7.16	47.1	94	21.5	14.3	1579	1.51	2.5	.5	1.6	1.0	20.2	.29	.33	.09	31	.50	.056	9.6	22.1	.39	201.4	.062	2	.95	.006	.19	<.2	.03	81	1.5	.02	2.4
PPX-14278	.36	29.49	6.75	57.4	55	29.6	14.3	676	2.32	2.6	.5	1.4	2.9	17.7	.16	.36	.09	67	.56	.053	11.2	46.9	.59	140.9	.182	1	1.42	.007	.06	<.2	.04	51	.2	.02	4.1
PPX-14084	.61	117.35	6.52	81.6	239	40.4	17.8	1258	3.34	8.7	.4	2.8	.7	29.2	.39	.72	.10	113	1.33	.093	11.1	98.1	.79	280.7	.159	3	2.32	.010	.05	<.2	.05	108	.8	.02	6.3
PPX-14233 S-1	1.06	29.82	8.94	55.0	38	12.6	12.9	484	4.17	2.8	.6	1.2	3.0	51.8	.10	.10	.16	162	.53	.045	11.8	42.7	.55	101.6	.348	<1	4.11	.141	.07	<.2	.15	40	.5	.04	11.2
PPX-14238	1.26	55.66	17.93	163.5	544	43.8	28.4	2287	3.40	6.2	.8	1.8	1.1	36.1	1.01	.35	.13	59	.69	.092	14.0	39.0	.72	379.0	.056	2	1.98	.010	.15	<.2	.07	155	.6	.02	5.1
PPX-14094	.57	28.32	11.13	71.9	140	32.0	13.8	954	2.33	7.4	.9	2.4	3.6	21.4	.27	.70	.13	59	.70	.067	18.9	33.3	.67	292.8	.123	2	1.45	.007	.08	<.2	.05	64	.7	<.02	4.4
PPX-14234	.78	49.64	18.26	86.9	177	46.3	15.5	2083	2.85	8.5	.8	168.3	4.1	22.0	.34	.62	.16	64	.51	.070	20.2	44.6	.70	605.2	.137	1	1.54	.005	.10	<.2	.06	94	.6	.05	4.4
PPX-14212	2.00	54.61	14.97	100.0	386	26.2	16.5	1620	3.93	11.7	2.1	106.0	4.2	77.4	.97	.50	.12	70	.76	.119	24.2	23.7	.86	345.5	.103	1	1.60	.005	.13	<.2	.10	93	1.0	.03	5.6
PPX-14088	.60	56.97	4.97	50.5	91	97.5	22.5	924	3.35	8.4	.4	4.8	1.1	28.3	.18	.55	.08	111	1.28	.062	11.1	80.1	1.27	346.4	.188	3	2.55	.009	.08	<.2	.04	93	1.3	.02	7.3
PPX-14209	.95	34.06	12.83	99.1	438	32.3	18.8	2521	2.80	9.2	.7	12.0	1.3	23.1	.60	1.00	.16	62	.61	.081	16.1	47.2	.53	258.9	.090	2	1.72	.007	.08	<.2	.08	140	.6	.02	4.4
PPX-14274	.59	32.05	4.80	50.4	181	27.0	21.4	1097	1.83	1.8	.4	1.8	1.1	14.4	.24	.20	.07	53	.51	.062	8.9	49.3	.56	127.5	.185	1	1.37	.005	.12	<.2	.03	80	.4	.02	3.6
PPX-14242	.98	73.08	18.10	111.7	433	34.9	17.1	762	3.59	10.5	1.1	3.9	3.8	58.0	.72	.74	.15	59	.73	.107	22.5	17.9	.78	334.2	.080	2	1.59	.006	.14	<.2	.08	121	1.0	.02	4.8
PPX-14208	.88	41.02	15.12	157.1	639	45.6	29.2	3985	3.48	12.3	.8	8.9	1.4	30.1	.86	1.48	.18	59	.69	.104	18.1	47.6	.59	376.8	.072	2	2.01	.007	.12	<.2	.10	189	.5	.02	4.6
PPX-14224	2.27	75.60	17.58	170.3	1124	74.4	15.6	921	2.92	8.8	5.0	2.7	1.4	83.3	1.35	1.01	.16	47	.96	.147	27.2	23.1	.63	363.3	.041	2	1.45	.006	.21	<.2	.13	252	3.6	.04	4.2
PPX-14256	1.71	74.79	5.72	176.6	539	71.0	38.8	19808	3.59	16.6	.6	3.7	.3	42.0	1.62	.57	.12	79	1.65	.188	15.0	45.7	.38	962.4	.052	4	2.17	.007	.27	<.2	.19	292	1.0	.03	3.8
PPX-14091	1.09	61.92	7.59	83.7	262	56.4	24.2	1668	3.32	3.6	.9	1.2	.7	26.6	.46	.37	.12	94	.80	.093	10.1	89.3	.84	224.5	.137	2	2.76	.010	.17	<.2	.06	149	.4	<.02	6.2
PPX-14257	1.72	32.48	7.04	144.5	281	44.7	106.7	21763	5.26	9.7	.7	1.7	.9	40.6	.92	.34	.10	92	1.08	.116	14.2	49.0	.48	796.5	.076	2	2.13	.009	.13	<.2	.15	185	.4	.03	5.5
STANDARD DS2	13.92	127.81	32.62	151.2	265	35.8	11.5	801	2.97	57.5	18.4	195.1	3.5	27.7	10.37	9.25	11.06	75	.51	.086	15.7	155.2	.58	164.3	.089	3	1.65	.029	.15	6.8	1.86	223	2.2	1.83	6.0

Sample type: MOSS MAT S140. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ 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
PPX-14276	.82	55.60	6.41	57.3	294	40.6	17.4	1064	1.94	2.6	1.0	18.1	.8	20.7	.34	.28	.08	50	.67	.111	13.3	51.3	.49	184.2	.111	1	1.54	.012	.25	<.2	.04	149	1.2	<.02	2.9
PPX-14230	.72	31.78	15.29	83.1	376	40.1	13.8	2011	2.63	7.0	1.4	2.7	3.4	31.1	.38	.44	.26	36	.66	.065	27.9	35.6	.49	422.5	.044	1	1.52	.005	.11	<.2	.07	115	.6	<.02	3.8
PPX-14241	1.16	78.38	18.74	113.7	496	35.8	18.6	782	3.60	10.7	1.3	7.3	3.3	56.3	.72	.77	.17	58	.77	.107	20.2	19.3	.79	336.9	.058	2	1.57	.006	.15	.2	.08	125	1.1	<.02	4.6
PPX-14277	.39	30.57	5.73	50.5	100	28.0	18.0	879	2.29	2.1	.4	236.4	2.0	16.7	.18	.36	.09	70	.52	.054	10.6	52.2	.56	137.7	.199	<1	1.44	.006	.06	<.2	.03	65	.1	<.02	3.9
PPX-14240	1.12	85.40	15.15	109.1	773	34.9	17.2	1095	3.20	9.3	2.3	5.0	1.4	98.8	1.10	.57	.15	51	1.21	.122	19.4	16.5	.69	429.5	.037	2	1.45	.006	.27	<.2	.08	173	3.0	.03	3.9
PPX-14231	.55	30.62	18.29	80.1	331	32.0	12.5	908	1.97	2.6	1.8	2.4	1.6	24.3	.28	.31	.19	48	.70	.084	33.1	33.6	.52	199.7	.041	1	1.32	.006	.13	<.2	.05	119	.6	.02	3.3
PPX-14090	.79	46.72	7.66	70.0	413	40.8	15.9	1381	2.46	6.2	1.1	19.9	.8	27.3	.47	.55	.12	62	.80	.083	12.8	57.7	.58	258.6	.110	1	1.95	.007	.11	<.2	.06	168	.4	<.02	3.9
PPX-14275	1.11	100.01	5.21	44.3	623	63.5	110.5	3658	2.16	3.3	.6	2.3	.4	18.6	.35	.39	.08	62	.55	.105	15.3	50.3	.40	225.7	.108	1	2.05	.010	.16	<.2	.05	197	.6	<.02	3.3
PPX-14255	1.50	62.66	8.17	159.6	426	43.0	54.1	21003	4.14	16.3	.4	2.5	.3	43.7	.72	.59	.09	77	1.67	.204	14.2	37.4	.33	841.5	.031	3	1.68	.007	.21	<.2	.14	259	.9	<.02	3.5
PPX-14228	.67	28.57	15.85	69.1	149	29.9	12.3	545	2.34	9.9	1.3	34.3	8.1	24.7	.19	.85	.17	42	.51	.084	30.3	25.9	.50	167.3	.097	1	1.09	.007	.10	<.2	.05	72	.3	.03	3.4
PPX-14248	.89	54.07	13.48	78.2	315	37.4	19.8	2344	2.87	4.3	1.8	2.4	1.3	38.1	.85	.59	.16	54	1.80	.113	21.3	45.2	.56	298.4	.075	4	1.82	.009	.24	<.2	.07	158	2.1	.10	4.0
PPX-14207	1.87	45.80	10.67	274.4	616	55.8	51.5	16113	6.51	28.0	1.1	7.8	.9	54.0	1.17	1.42	.13	50	1.08	.127	18.1	38.7	.42	836.6	.036	<1	1.93	.005	.09	<.2	.12	215	1.2	.05	3.9
PPX-14258	.74	42.52	8.37	81.7	299	41.0	18.9	1404	2.73	4.0	.7	2.6	1.5	19.8	.67	.47	.12	82	.78	.059	11.6	56.2	.67	504.8	.155	1	1.95	.008	.09	<.2	.05	103	.3	<.02	5.4
PPX-14265	1.19	52.09	17.61	99.0	267	44.2	19.7	2345	3.05	8.1	.9	1.9	1.4	23.4	.45	.68	.16	70	.75	.070	23.6	58.0	.72	342.8	.094	1	1.67	.006	.07	<.2	.07	110	.5	.03	4.4
PPX-14229	.56	26.76	14.41	60.2	96	28.0	13.3	596	2.42	6.7	.9	29.7	7.2	21.7	.17	.49	.19	49	.51	.078	26.7	30.3	.51	171.1	.112	<1	1.12	.007	.08	<.2	.04	74	.2	.02	3.5
PPX-14263	1.13	29.74	8.68	78.9	354	32.3	28.9	5834	2.99	5.3	.7	1.3	.7	30.4	1.09	.40	.12	97	.95	.102	15.5	49.8	.51	373.4	.071	1	1.75	.008	.09	<.2	.09	153	.3	.02	4.6
PPX-14210	.77	29.53	11.33	72.2	259	27.2	14.1	1255	2.18	5.3	.6	3.4	1.1	19.9	.37	.60	.13	59	.56	.066	12.0	46.9	.55	192.8	.094	1	1.58	.006	.08	<.2	.05	111	.3	<.02	4.2
PPX-14244	.44	15.83	8.65	48.3	124	21.1	12.8	707	1.91	3.1	.4	4.6	2.8	14.4	.22	.23	.16	32	.32	.054	16.8	27.7	.42	159.8	.059	<1	1.05	.005	.06	<.2	.03	66	.1	.08	3.0
PPX-14273	.60	35.64	6.10	53.5	156	28.4	23.5	1002	2.11	1.7	.4	4.7	.8	12.1	.24	.19	.09	55	.39	.052	7.6	54.9	.58	159.0	.141	<1	1.63	.005	.07	<.2	.03	86	.1	.02	4.3
PPX-14266 S-1	1.01	28.11	8.44	52.3	44	12.6	12.6	459	3.98	2.4	.6	.8	2.7	45.5	.11	.09	.15	155	.45	.042	11.1	40.5	.51	99.5	.337	<1	3.98	.119	.06	.2	.12	33	.2	.04	10.2
PPX-14264	1.53	21.54	14.42	136.8	235	29.0	19.4	11251	3.04	11.5	1.3	1.5	1.0	42.5	.70	.36	.19	64	1.13	.103	36.4	42.2	.40	631.6	.060	1	1.62	.009	.16	<.2	.11	123	.2	<.02	4.2
PPX-14206	1.34	60.75	12.16	138.1	1354	56.3	32.5	10604	3.54	13.0	2.0	6.0	.6	73.0	1.83	1.18	.16	31	1.74	.130	17.6	32.0	.38	711.9	.021	2	1.66	.006	.10	<.2	.10	342	1.1	.02	3.0
PPX-14243	.69	34.27	9.25	57.9	301	33.8	15.6	1456	2.32	4.1	.7	1.5	2.0	26.7	.41	.42	.13	49	.62	.079	17.0	43.0	.54	302.4	.086	1	1.45	.007	.11	<.2	.05	102	.2	.02	3.8
RE PPX-14243	.68	33.78	8.62	55.0	264	31.8	14.4	1396	2.28	3.8	.6	3.6	1.9	24.7	.36	.40	.13	49	.60	.075	15.6	41.9	.53	296.1	.088	<1	1.42	.007	.10	<.2	.05	101	.1	.02	3.6
PPX-14221	1.64	33.64	15.67	266.7	574	73.9	94.4	30101	5.23	44.3	2.3	4.2	1.1	122.4	1.63	.55	.17	36	1.04	.174	54.0	25.0	.23	963.9	.016	2	1.69	.019	.25	<.2	.08	224	.2	.06	3.5
PPX-14219	.68	35.56	27.13	146.5	203	43.2	74.7	8055	3.50	47.4	1.2	10.7	5.9	38.3	.58	.86	.29	38	.52	.083	31.8	35.1	.65	349.9	.039	<1	1.90	.006	.24	<.2	.10	100	.3	.03	5.0
PPX-14227	.77	28.38	19.24	87.8	168	30.6	16.3	1482	2.65	23.1	1.4	10.9	5.8	27.5	.24	.82	.20	40	.47	.082	32.6	28.5	.55	214.3	.069	<1	1.31	.005	.12	<.2	.07	65	.3	.04	3.9
PPX-14211	1.28	79.29	20.10	149.1	381	26.0	16.6	831	3.41	10.7	1.2	3.7	2.7	89.6	.55	.61	.15	59	.91	.113	23.3	18.0	.75	337.2	.068	1	1.44	.007	.17	<.2	.08	108	2.3	.03	4.7
PPX-14247	.51	44.85	16.12	131.8	204	35.7	20.6	1091	2.79	3.7	.8	.7	2.3	31.1	.52	.43	.16	59	.91	.074	20.1	44.1	.78	270.3	.124	1	1.77	.006	.13	<.2	.06	115	.3	.04	4.7
PPX-14222	1.22	31.26	19.43	210.1	530	65.9	66.3	20415	4.25	36.3	2.6	4.8	1.1	83.4	1.06	.54	.26	41	.71	.119	43.4	37.6	.39	754.1	.019	<1	1.93	.007	.18	<.2	.11	181	.2	.03	5.0
PPX-14272	1.11	57.85	5.16	73.4	275	42.9	52.9	7114	2.06	2.2	.4	.9	.4	18.6	.64	.21	.07	46	.60	.085	9.0	51.1	.54	305.0	.103	<1	1.73	.008	.15	<.2	.04	152	.4	.02	3.7
PPX-14226	.61	27.50	16.12	68.0	142	31.6	13.1	782	2.39	15.7	1.4	3.7	6.3	25.7	.18	.73	.25	37	.45	.073	29.0	28.1	.53	228.4	.067	<1	1.20	.005	.10	<.2	.05	48	.3	.05	3.7
PPX-14218	.91	49.35	19.60	91.3	500	43.5	17.4	2621	3.00	8.5	2.0	2.4	2.8	42.3	.46	.64	.23	43	.79	.067	33.5	41.5	.49	402.5	.040	<1	1.62	.005	.11	<.2	.08	141	.7	.02	4.5
STANDARD DS2	13.98	129.38	32.57	154.6	272	32.9	12.2	800	2.96	59.4	19.1	193.3	3.5	28.4	10.42	9.25	11.44	75	.51	.089	16.1	157.4	.58	166.3	.090	3	1.67	.031	.16	7.0	1.81	229	2.3	1.88	6.0

Sample type: MOSS MAT S140. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data 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
PPX-14246	.71	24.54	16.89	83.8	194	24.6	12.8	1740	2.13	5.4	2.0	.7	1.2	23.3	.62	.42	.16	39	1.09	.090	23.9	26.0	.43	184.1	.060	3	1.34	.005	.12	<.2	.07	142	1.0	<.02	3.2
PPX-14220	1.60	28.79	21.84	257.0	327	60.6	64.2	16473	5.64	86.0	2.5	9.9	2.3	70.6	1.10	.97	.22	33	.75	.116	55.5	30.4	.39	596.5	.020	2	1.63	.005	.20	<.2	.12	194	.8	.05	3.7
PPX-14217	.56	25.64	10.79	61.2	96	33.4	12.7	782	2.71	5.1	.6	1.5	6.1	22.0	.17	.44	.14	45	.46	.071	21.5	36.6	.58	132.8	.096	1	1.21	.004	.06	<.2	.03	46	.3	.03	3.7
PPX-14245	1.04	26.07	23.96	102.1	575	25.6	13.1	1437	2.19	7.0	4.2	1.6	.5	68.0	.86	.57	.23	25	.90	.119	41.2	24.3	.36	245.8	.017	3	1.58	.005	.15	<.2	.08	211	.7	.02	3.5
RE PPX-14217	.46	25.56	10.53	61.3	89	33.6	13.3	787	2.72	5.2	.6	4.4	6.1	21.3	.16	.40	.14	45	.46	.068	21.5	36.8	.58	132.7	.099	1	1.21	.006	.06	<.2	.03	35	.3	.02	3.4
STANDARD DS2	14.21	124.57	33.75	153.1	260	34.8	11.9	804	3.11	55.7	19.5	196.0	3.6	28.5	10.12	9.58	10.88	73	.51	.090	15.8	155.2	.58	159.3	.093	2	1.69	.027	.15	7.2	1.89	227	2.2	1.89	6.2

Sample type: MOSS MAT S140. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data /4 FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2320 File # A004181 Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GEBX-14204	.85	<.1	.06	.60	2.8	7.2	.5	.20	<.05	2.5	30.38	6.6	.02	2	.3	6.3	30.0
GEBX-14202	.45	.1	.03	.27	3.3	4.7	.3	.27	<.05	1.2	43.81	5.7	<.02	5	.2	2.6	15.0
GEBX-14205	1.68	<.1	.06	.73	3.6	10.9	.6	.13	<.05	2.8	30.69	15.2	.03	3	.4	14.8	30.0
GEBX-14201	.36	.1	<.02	.19	4.0	4.4	.2	.28	<.05	1.0	43.73	5.0	<.02	2	.1	2.0	15.0
GEBX-14203	1.28	<.1	.03	.39	3.3	8.9	.4	.20	<.05	1.8	40.03	9.4	.02	3	.4	7.3	30.0
PPX-14083	.51	<.1	.02	.35	5.3	5.4	.3	.24	<.05	.8	31.74	6.7	<.02	2	.2	3.5	15.0
PPX-14252	.57	<.1	.05	.60	3.5	4.5	.4	.04	<.05	1.9	10.34	18.4	.02	<1	.3	11.3	30.0
PPX-14098	.37	<.1	.06	.67	3.2	4.1	.4	.03	<.05	2.3	8.35	19.8	.02	3	.3	9.7	30.0
PPX-14215	.94	<.1	.02	.58	6.2	3.3	.3	.04	<.05	1.0	9.69	41.4	.02	3	.2	18.4	30.0
PPX-14081	.93	<.1	.15	.41	2.6	6.7	.4	.02	<.05	5.4	10.38	13.1	.02	1	.3	16.8	30.0
PPX-14262	.45	<.1	.06	.45	3.0	6.2	.4	.07	<.05	2.6	14.42	18.9	.03	<1	.3	10.8	30.0
PPX-14082	.89	.1	.15	.40	2.6	6.5	.5	.01	<.05	5.4	10.43	12.4	.03	<1	.3	16.5	30.0
PPX-14093	.52	<.1	.06	.58	4.3	7.1	.5	.03	<.05	2.8	11.92	21.9	.03	1	.4	14.2	30.0
PPX-14251	.31	<.1	.06	.68	2.4	3.8	.3	.02	<.05	2.7	8.41	17.8	.02	<1	.2	8.9	30.0
PPX-14096	.73	<.1	.05	.75	6.3	6.7	.5	.08	<.05	1.9	9.91	19.3	.04	1	.5	16.0	15.0
PPX-14261	.43	<.1	.06	.46	2.8	6.1	.3	.06	<.05	2.6	13.69	18.0	.03	<1	.3	10.0	30.0
PPX-14095	.58	<.1	.06	.57	3.7	5.0	.4	.04	<.05	2.8	9.59	21.8	.03	1	.4	13.9	30.0
PPX-14253	.47	<.1	.06	.60	3.3	4.6	.3	.03	<.05	2.5	10.52	16.4	.03	<1	.2	11.0	30.0
PPX-14236	.52	<.1	.02	.43	5.2	3.5	.3	.03	<.05	.9	9.88	25.0	.02	<1	.3	12.8	30.0
PPX-14099 STSD-2	6.67	<.1	.05	1.40	25.7	4.8	1.8	.02	<.05	2.8	16.43	45.2	.09	1	2.6	53.6	7.5
PPX-14260	.47	<.1	<.02	.45	4.1	10.8	.3	.18	<.05	1.1	41.14	62.1	.03	<1	.9	8.4	30.0
PPX-14214	3.01	<.1	.02	.38	8.2	3.4	.3	.03	<.05	.9	11.66	40.8	.02	5	.2	24.5	30.0
RE PPX-14214	3.26	<.1	<.02	.45	8.8	3.7	.3	.07	<.05	.8	12.09	45.2	.03	4	.3	25.2	30.0
PPX-14271	.42	<.1	.02	.38	3.5	3.2	.3	.05	<.05	.6	8.91	16.1	.02	3	.3	12.5	30.0
PPX-14085	.74	<.1	<.02	.31	4.9	7.0	.3	.22	<.05	.8	41.36	8.9	.02	<1	.4	4.3	15.0
PPX-14097	.44	<.1	.10	.54	2.8	4.4	.4	<.01	<.05	3.0	8.69	17.0	.02	3	.3	11.1	30.0
PPX-14270	.30	<.1	<.02	.26	4.5	2.4	.2	.12	<.05	.3	10.47	38.3	.02	1	.3	7.6	15.0
PPX-14216	1.15	<.1	.02	.60	6.2	2.6	.3	.11	<.05	.6	8.16	22.1	.02	5	.2	21.1	30.0
PPX-14092	.93	<.1	.06	.80	4.8	11.4	.5	.08	<.05	2.4	33.78	23.4	.03	7	1.0	19.5	30.0
PPX-14279	.57	<.1	.04	.96	4.9	4.3	.6	.06	<.05	1.8	11.63	28.0	.02	1	.5	13.1	30.0
PPX-14087	.68	<.1	.05	.67	5.6	8.9	.4	.17	<.05	2.7	41.05	12.6	.02	<1	.5	6.9	15.0
PPX-14254	.76	<.1	.02	.45	5.3	5.4	.4	.07	<.05	1.1	13.01	24.5	.02	<1	.5	14.2	30.0
PPX-14237	.54	<.1	.02	.36	4.4	2.5	.3	<.01	<.05	.8	6.00	25.6	.02	1	.2	14.7	30.0
STANDARD DS2	3.22	<.1	.07	1.40	13.0	3.2	25.9	.03	<.05	2.7	7.41	28.9	5.49	2	.6	14.4	30.0

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: MOSS MAT S140 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 13 2000 DATE REPORT MAILED: Oct 30/00 SIGNED BY: D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
PPX-14269	.85	<.1	.03	.55	5.0	3.5	.3	.08	<.05	1.2	16.65	31.9	.02	6	.3	13.5	30
PPX-14225	.70	<.1	.03	.49	7.5	2.9	<.1	.09	<.05	1.5	23.79	35.7	.03	2	.4	15.7	15
PPX-14213	1.39	<.1	.04	.71	7.7	3.2	.3	.07	<.05	1.3	9.30	28.4	.02	<1	.3	24.6	30
PPX-14280	.55	<.1	.02	.57	5.8	4.9	.5	.11	<.05	1.0	15.98	32.6	.03	<1	.4	12.8	15
PPX-14086	.85	<.1	.06	.86	4.1	8.0	.5	.15	<.05	3.6	38.58	11.7	.03	<1	.5	6.7	15
PPX-14235	.58	<.1	.05	.93	6.3	3.4	.4	.02	<.05	3.0	11.10	41.8	.02	1	.3	16.5	30
PPX-14250	.41	<.1	.06	1.34	5.3	3.8	.4	.06	<.05	2.9	7.63	23.4	.02	<1	.4	13.8	30
PPX-14267	.58	<.1	.03	1.17	6.1	3.5	.4	.11	<.05	1.8	20.23	35.1	.02	<1	.5	10.7	15
PPX-14239	.81	<.1	<.02	.32	6.8	3.2	.2	.07	<.05	.8	11.79	34.5	.03	1	.3	14.6	30
PPX-14259	.42	<.1	<.02	.39	4.8	5.4	.3	.15	<.05	1.1	26.21	118.5	.04	2	.7	9.1	15
PPX-14089	1.22	<.1	.10	.81	4.3	10.1	.4	.13	<.05	5.4	31.10	16.1	.04	4	.5	18.2	30
PPX-14100	.84	<.1	<.02	.48	5.7	2.4	.2	.09	<.05	1.2	18.81	30.4	.02	6	.3	13.7	30
PPX-14232	.66	<.1	<.02	.46	7.2	2.3	.4	.05	<.05	2.1	13.11	57.2	.02	<1	.3	15.9	30
PPX-14223	.64	<.1	<.02	.14	6.5	2.2	.2	.14	<.05	.5	33.65	77.0	.03	<1	.6	16.6	15
PPX-14268	.51	<.1	.02	.54	4.2	3.2	.3	.07	<.05	2.2	11.98	38.7	.04	2	.3	13.0	30
RE PPX-14268	.64	<.1	.03	.54	4.8	3.6	.3	.07	<.05	2.3	12.80	44.7	.03	<1	.4	13.5	30
PPX-14249	.31	<.1	.02	.48	4.0	2.4	.2	.08	<.05	1.0	9.44	21.6	.02	<1	.2	7.6	15
PPX-14278	.38	.1	.09	.52	3.2	4.4	.4	.05	<.05	4.6	7.85	22.6	.03	<1	.2	9.5	30
PPX-14084	1.26	<.1	.08	.91	4.3	19.4	.5	.10	<.05	4.1	42.47	22.7	.04	<1	.7	12.9	30
PPX-14233 S-1	1.32	.1	.65	.26	4.7	9.8	1.5	.01	<.05	39.6	14.41	29.9	.06	<1	.6	11.5	30
PPX-14238	.86	<.1	<.02	.46	7.1	3.5	.4	.06	<.05	.8	12.20	28.3	.03	<1	.4	18.6	30
PPX-14094	.71	<.1	.06	.52	5.2	3.7	.4	.05	<.05	2.9	11.02	35.6	.03	<1	.3	13.9	30
PPX-14234	.78	<.1	.04	.65	5.1	4.2	.4	.04	<.05	2.6	12.70	38.2	.03	<1	.4	14.3	30
PPX-14212	1.69	<.1	.02	.74	8.6	4.4	.3	.05	<.05	1.9	11.04	44.4	.03	4	.3	27.6	30
PPX-14088	.94	<.1	.14	.94	4.7	10.4	.5	.08	<.05	6.5	23.06	18.4	.03	<1	.4	18.7	30
PPX-14209	.73	<.1	<.02	.48	5.2	4.8	.4	.06	<.05	1.3	13.53	34.7	.03	<1	.5	15.3	30
PPX-14274	.34	<.1	.05	.71	3.4	3.3	.4	.02	<.05	1.9	9.27	16.3	.02	<1	.3	8.8	30
PPX-14242	1.42	<.1	.03	.77	8.4	3.8	.4	.04	<.05	2.0	14.12	36.7	.02	<1	.3	22.9	30
PPX-14208	.71	<.1	.02	.52	5.8	5.3	.5	.08	<.05	1.3	18.64	41.8	.03	<1	.4	16.2	30
PPX-14224	1.39	<.1	.04	.61	9.9	3.2	.2	.08	<.05	1.3	20.21	36.6	.02	8	.4	20.4	30
PPX-14256	.33	<.1	.02	.44	5.8	8.8	.4	.24	<.05	1.3	41.56	55.7	.02	5	.6	8.1	30
PPX-14091	.78	<.1	.04	.86	5.1	7.9	.6	.09	<.05	2.5	17.73	21.4	.03	<1	.8	19.5	30
PPX-14257	.38	<.1	.04	.48	4.2	6.5	.4	.12	<.05	1.5	20.68	43.9	.02	3	.5	10.3	30
STANDARD DS2	3.34	<.1	.05	1.39	12.8	3.0	26.9	.02	<.05	3.1	7.60	30.2	5.35	2	.4	15.1	30

Sample type: MOSS MAT S140. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data L FA ___

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
PPX-14276	.31	<.1	.04	.67	5.2	3.5	.3	.09	<.05	1.5	20.57	24.0	<.02	<1	.5	9.8	30
PPX-14230	.61	<.1	.02	.48	7.0	3.2	.3	.04	<.05	1.4	15.25	47.1	.02	<1	.4	17.5	30
PPX-14241	1.53	<.1	.04	.59	9.0	3.6	.3	.03	<.05	1.8	14.31	32.5	.02	4	.3	25.1	30
PPX-14277	.37	<.1	.07	.59	3.5	3.9	.5	.03	<.05	3.0	8.07	20.8	.02	<1	.2	8.4	30
PPX-14240	1.47	<.1	.03	.57	8.9	3.2	.2	.09	<.05	1.4	17.23	26.3	.02	7	.3	23.6	30
PPX-14231	.52	<.1	<.02	.58	7.2	2.2	.3	.05	<.05	1.3	17.10	59.2	<.02	3	.4	16.5	30
PPX-14090	.80	<.1	.04	.65	4.9	6.4	.3	.08	<.05	1.8	21.62	21.4	.02	1	.5	13.1	30
PPX-14275	.39	<.1	.03	.62	4.2	3.7	.3	.10	<.05	1.1	24.50	37.6	<.02	<1	.9	10.8	30
PPX-14255	.40	<.1	<.02	.30	5.1	7.4	.3	.21	<.05	.8	37.36	25.8	.02	<1	.5	7.2	15
PPX-14228	.58	<.1	.07	.53	5.6	2.3	.3	.01	<.05	3.8	11.01	58.1	<.02	<1	.3	12.7	30
PPX-14248	.61	<.1	.02	1.02	7.7	4.2	.3	.13	<.05	1.8	19.16	31.8	<.02	2	.5	12.9	15
PPX-14207	.62	.1	<.02	.28	4.2	5.5	.1	.12	<.05	.8	25.88	28.7	<.02	1	.4	12.2	30
PPX-14258	.47	<.1	.08	.94	4.6	5.5	.5	.02	<.05	3.4	14.45	26.5	<.02	<1	.4	15.3	30
PPX-14265	.59	<.1	.04	.65	4.6	5.9	.4	.07	<.05	1.8	21.79	38.7	<.02	<1	.5	14.8	30
PPX-14229	.52	<.1	.06	.55	4.4	2.6	.2	.02	<.05	3.7	9.68	52.7	<.02	<1	.2	12.6	30
PPX-14263	.35	<.1	.02	.52	4.5	5.3	.4	.09	<.05	1.4	18.76	34.6	<.02	<1	.4	11.2	30
PPX-14210	.73	<.1	.02	.48	4.9	3.7	.3	.05	<.05	1.5	9.55	24.5	<.02	1	.2	14.7	30
PPX-14244	.42	<.1	<.02	.38	4.1	2.0	.1	<.01	<.05	1.1	6.48	32.7	<.02	<1	.3	11.8	30
PPX-14273	.47	<.1	.03	.71	4.6	2.8	.3	.04	<.05	1.4	6.51	15.4	<.02	1	.3	13.5	30
PPX-14266 S-1	1.23	.1	.69	.37	4.5	8.7	1.3	<.01	<.05	38.2	13.78	28.6	.02	<1	.7	12.9	30
PPX-14264	.38	<.1	<.02	.39	5.8	4.8	.3	.09	<.05	1.4	28.74	73.8	<.02	<1	.5	10.6	30
PPX-14206	.47	<.1	.02	.23	4.6	5.5	<.1	.11	<.05	.9	33.30	24.7	<.02	2	.3	10.1	30
PPX-14243	.43	<.1	.04	.59	5.2	3.9	.3	.06	<.05	1.9	14.61	36.3	<.02	<1	.2	12.0	30
RE PPX-14243	.41	<.1	.04	.55	5.0	3.8	.2	.05	<.05	1.7	13.72	33.9	<.02	1	.3	11.2	30
PPX-14221	.40	<.1	<.02	.20	5.6	2.5	.1	.15	<.05	.7	42.19	110.0	<.02	3	.6	9.8	15
PPX-14219	.96	<.1	.03	.33	10.0	3.0	.3	.03	<.05	1.5	13.28	95.3	<.02	<1	.5	20.9	30
PPX-14227	.79	<.1	.03	.41	8.1	2.4	.3	.02	<.05	1.8	12.72	66.2	<.02	<1	.3	15.4	30
PPX-14211	1.76	<.1	.03	.76	9.0	3.6	.3	.05	<.05	1.7	12.04	37.1	.02	2	.5	26.1	30
PPX-14247	.59	<.1	.08	1.28	7.3	3.7	.4	.07	<.05	3.1	17.22	37.3	.02	<1	.5	16.1	30
PPX-14222	.74	<.1	<.02	.24	8.8	2.7	.3	.08	<.05	.5	29.37	87.9	.03	<1	.6	20.2	30
PPX-14272	.28	<.1	<.02	.46	4.0	2.4	.3	.10	<.05	.7	12.16	27.2	<.02	1	.2	9.2	30
PPX-14226	.65	<.1	.05	.35	6.0	2.4	.3	.01	<.05	2.6	10.99	56.5	<.02	<1	.2	15.8	30
PPX-14218	.82	<.1	.03	.44	7.8	3.8	.3	.04	<.05	1.5	21.05	47.3	.02	<1	.4	19.1	30
STANDARD DS2	3.38	<.1	.04	1.42	13.2	3.1	25.8	.01	<.05	3.1	7.78	30.7	5.36	<1	.5	14.2	30

Sample type: MOSS MAT S140. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data / FA ___

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
PPX-14246	.66	<.1	.02	.82	7.6	2.0	.3	.10	<.05	1.6	15.11	37.7	.02	<1	.3	13.6	30
PPX-14220	.57	<.1	.02	.24	7.1	2.2	.2	.08	<.05	1.0	25.94	100.4	.02	<1	.5	14.3	30
PPX-14217	.52	<.1	.05	.36	3.9	3.3	.3	.01	<.05	2.9	7.93	40.2	<.02	<1	.3	14.2	30
PPX-14245	.65	<.1	<.02	.43	8.8	1.3	.3	.09	<.05	.6	26.28	71.1	.02	<1	.5	20.1	30
RE PPX-14217	.51	<.1	.06	.39	3.8	3.3	.2	<.01	<.05	2.8	7.70	41.3	<.02	<1	.2	13.8	30
STANDARD DS2	3.39	<.1	.07	1.44	13.3	3.0	26.4	.03	<.05	2.9	7.97	30.3	5.38	2	.4	14.9	30

Sample type: MOSS MAT S140. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data N FA ___

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2320 File # A004181R Page 1

800 - 700 W. Pender St., Vancouver BC V6C 1G8

SAMPLE#	LOI %
GEBX-14204	59.2
GEBX-14202	69.7
GEBX-14205	32.6
GEBX-14201	68.1
GEBX-14203	52.7
PPX-14083	63.5
PPX-14252	12.3
PPX-14098	13.4
PPX-14215	12.8
PPX-14081	11.0
PPX-14262	14.7
PPX-14082	11.1
PPX-14093	17.1
PPX-14251	10.4
PPX-14096	32.3
PPX-14261	14.3
PPX-14095	14.6
PPX-14253	14.8
PPX-14236	15.0
PPX-14099 STSD-2	10.4
PPX-14260	51.0
PPX-14214	14.0
RE PPX-14214	14.2
PPX-14271	27.5
PPX-14085	71.4
PPX-14097	11.4
PPX-14270	43.2
PPX-14216	29.4
PPX-14092	37.8
PPX-14279	24.6
PPX-14087	55.0
PPX-14254	30.1
PPX-14237	11.4
STANDARD DOLOMITE	45.9

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

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 4/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data / FA

SAMPLE#	LOI %
PPX-14269	24.8
PPX-14225	26.4
PPX-14213	21.1
PPX-14280	38.9
PPX-14086	47.2
PPX-14235	14.6
PPX-14250	22.0
PPX-14267	37.9
PPX-14239	20.8
PPX-14259	46.2
PPX-14089	36.3
PPX-14100	27.4
PPX-14232	13.2
PPX-14223	34.7
PPX-14268	18.5
RE PPX-14268	18.5
PPX-14249	39.8
PPX-14278	8.4
PPX-14084	24.6
PPX-14233 S-1	7.2
PPX-14238	28.5
PPX-14094	9.9
PPX-14234	10.2
PPX-14212	12.6
PPX-14088	27.6
PPX-14209	20.6
PPX-14274	15.2
PPX-14242	15.2
PPX-14208	26.1
PPX-14224	25.4
PPX-14256	57.6
PPX-14091	31.9
PPX-14257	39.0
STANDARD DOLOMITE	46.0

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

Data FA

SAMPLE#	LOI %
PPX-14276	35.1
PPX-14230	16.2
PPX-14241	16.0
PPX-14277	11.4
PPX-14240	28.4
PPX-14231	23.3
PPX-14090	25.9
PPX-14275	40.8
PPX-14255	54.6
PPX-14228	6.5
PPX-14248	43.4
PPX-14207	35.6
PPX-14258	21.2
PPX-14265	19.8
PPX-14229	6.8
PPX-14263	33.1
PPX-14210	19.5
PPX-14244	11.3
PPX-14273	17.8
PPX-14266 S-1	7.3
PPX-14264	35.0
PPX-14206	48.2
PPX-14243	19.2
RE PPX-14243	19.1
PPX-14221	49.3
PPX-14219	14.4
PPX-14227	8.7
PPX-14211	21.2
PPX-14247	24.1
PPX-14222	28.6
PPX-14272	36.3
PPX-14226	6.6
PPX-14218	14.5
STANDARD DOLOMITE	46.0

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

Data 1 FA ___

SAMPLE#	LOI %
PPX-14246	28.1
PPX-14220	26.7
PPX-14217	6.4
PPX-14245	33.2
RE PPX-14217	6.5
STANDARD DOLOMITE	46.0

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

Data /- FA ____

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2320 File # A004332 Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
PPX-14343	.34	11.34	8.61	50.0	74	14.2	9.4	610	1.70	4.2	1.0	.9	4.5	11.4	.11	.11	.20	13	.16	.032	18.3	12.1	.18	59.1	.015	1	.62	.002	.04	<.2	.03	25	.1	<.02	1.8
PPX-14351	.58	22.70	9.00	85.3	203	27.9	11.7	567	2.11	2.9	.9	2.2	4.0	19.2	.19	.20	.17	34	.27	.042	16.1	38.3	.60	366.0	.062	1	1.23	.004	.08	<.2	.04	41	.2	<.02	3.6
PPX-14294	.55	25.51	5.20	57.6	88	29.7	17.8	976	1.96	1.9	.3	23.8	1.4	18.0	.26	.22	.06	50	.53	.053	6.1	55.5	.64	79.9	.197	<1	1.27	.005	.04	<.2	.02	39	.2	<.02	3.2
PPX-14283	.52	20.22	10.28	60.1	253	26.0	16.1	1263	2.08	4.9	.7	3.7	1.9	21.4	.30	.49	.11	55	.62	.057	13.2	44.5	.57	196.9	.117	1	1.55	.006	.06	<.2	.08	157	.3	<.02	4.1
PPX-14316	.76	24.40	11.37	77.9	619	54.4	10.7	1602	1.91	2.0	2.6	1.5	.8	59.2	.65	.13	.36	14	.87	.088	11.3	16.2	.29	129.8	.010	2	.77	.003	.07	<.2	.03	113	2.7	.02	1.9
PPX-14307	.21	32.73	2.91	44.1	38	30.2	22.9	1081	2.04	.8	.1	1.0	.6	14.7	.13	.11	.04	52	.51	.042	3.0	65.3	.80	54.9	.240	<1	1.33	.004	.05	<.2	<.02	33	.2	<.02	2.8
PPX-14293	.58	37.12	8.34	55.3	82	35.6	23.5	1178	2.61	2.4	.3	1.2	1.2	15.6	.25	.22	.07	60	.51	.059	6.0	66.2	.89	82.3	.187	<1	1.56	.006	.06	<.2	.02	45	.1	<.02	3.6
PPX-14285	1.13	60.72	9.26	126.9	958	53.3	23.0	6226	3.42	13.0	1.0	4.1	.5	43.6	1.13	.79	.15	80	1.39	.138	16.5	64.9	.58	529.1	.058	2	2.51	.006	.09	<.2	.09	261	.5	.04	4.9
PPX-14301	.46	36.51	3.99	47.4	101	33.0	32.5	2366	2.28	1.5	.2	1.1	.5	17.0	.34	.12	.07	59	.50	.061	5.0	68.2	.70	78.7	.204	1	1.77	.007	.18	<.2	.03	107	.2	<.02	3.4
PPX-14332	.35	13.86	10.43	62.7	239	20.2	13.0	1096	2.22	5.8	1.4	9.3	3.2	20.4	.32	.13	.20	12	.30	.057	20.0	12.9	.22	77.8	.011	1	.74	.003	.05	<.2	.03	68	.1	.02	2.1
PPX-14317	.89	24.67	12.70	66.6	362	35.8	10.0	787	1.98	2.6	1.9	1.8	1.4	43.2	.40	.16	.33	20	.80	.068	14.0	19.6	.31	168.0	.019	2	.85	.003	.07	<.2	.03	84	2.1	.03	2.1
PPX-14324	.80	23.33	13.13	128.9	402	44.1	41.2	12439	5.04	5.1	1.6	.9	2.9	72.4	.73	.16	.33	25	.87	.104	44.5	21.2	.31	297.8	.017	2	1.35	.007	.18	<.2	.08	149	.3	.03	3.5
PPX-14315	.75	18.37	13.92	70.9	635	34.1	14.5	1396	2.41	3.5	1.3	86.5	1.7	31.0	.47	.16	.52	25	.39	.063	18.3	24.4	.32	190.0	.024	1	1.07	.004	.07	<.2	.04	89	.5	.03	3.0
PPX-14288	.40	40.19	11.16	49.8	211	42.4	13.6	598	2.01	2.8	.5	1.3	1.2	19.4	.21	.27	.08	48	.91	.044	8.5	57.4	.69	135.4	.105	1	1.31	.004	.06	<.2	.03	77	1.1	<.02	3.6
PPX-14292	.54	29.06	11.29	42.8	70	28.8	14.5	514	1.84	2.3	.3	2.6	.8	12.1	.20	.18	.05	43	.41	.046	4.3	47.5	.63	70.1	.153	1	1.12	.004	.03	<.2	.02	39	.1	<.02	2.4
PPX-14348	.91	11.42	9.04	57.3	196	25.7	11.3	2899	1.58	3.4	1.4	.2	1.5	18.3	.32	.09	.18	13	.28	.050	15.6	19.3	.28	77.9	.008	1	.80	.002	.04	<.2	.04	64	.3	<.02	2.8
PPX-14338	.24	9.94	9.24	63.2	71	12.4	11.0	747	1.87	5.8	.7	1.4	4.5	9.9	.10	.11	.18	10	.10	.029	17.5	10.4	.17	67.7	.008	<1	.61	.002	.06	<.2	.02	36	<.1	.02	2.1
PPX-14299 STD-4	1.09	63.54	13.98	78.0	293	23.0	10.2	1192	2.45	10.8	1.8	2.4	1.7	65.1	.31	5.98	.25	50	1.03	.088	12.9	28.8	.63	1198.7	.065	4	1.00	.028	.11	.4	.09	1057	.7	.04	3.9
PPX-14334	.53	18.14	10.46	51.1	467	27.2	10.7	1375	1.97	7.1	3.6	1.2	.9	38.7	.41	.16	.19	12	.66	.101	19.6	15.0	.16	76.8	.009	2	.75	.004	.11	<.2	.04	101	.6	<.02	1.9
PPX-14320	1.63	38.44	21.12	55.6	743	53.1	47.7	9887	3.85	3.7	4.7	2.3	2.8	38.8	1.39	.19	.24	16	.65	.087	47.9	16.7	.21	177.4	.015	2	1.31	.006	.09	<.2	.11	261	.9	<.02	2.0
PPX-14350	.73	11.82	10.53	62.5	203	30.4	21.2	2000	2.29	9.3	1.3	1.0	2.7	23.8	.38	.11	.19	13	.26	.061	16.9	22.9	.30	97.7	.010	1	.76	.003	.07	<.2	.03	63	.5	.02	2.6
PPX-14313	.48	14.06	9.44	54.3	206	22.1	9.3	633	1.55	2.5	1.3	385.0	3.3	16.8	.20	.12	.27	15	.19	.048	17.8	15.4	.23	108.4	.020	<1	.64	.003	.09	<.2	.02	43	.2	.02	1.9
RE PPX-14313	.47	14.45	9.67	51.9	229	20.9	9.3	591	1.50	2.6	1.2	264.3	3.4	16.9	.19	.12	.32	15	.18	.049	18.1	14.8	.22	103.7	.018	1	.61	.003	.09	<.2	.02	53	.2	.02	1.9
PPX-14308	1.59	32.51	8.53	205.6	1060	147.2	102.1	20395	5.23	8.2	1.3	3.3	.6	120.1	2.00	.22	.16	20	.97	.112	11.9	19.8	.33	2171.6	.013	2	.93	.007	.10	<.2	.05	166	1.8	.04	2.7
PPX-14296	.69	134.95	4.73	96.4	342	109.4	23.3	1532	2.78	4.7	.4	1.8	.4	28.3	.39	.50	.07	61	1.31	.115	10.9	83.7	.72	145.6	.071	2	2.29	.006	.09	<.2	.06	201	.6	<.02	4.1
PPX-14287	.42	22.50	6.65	41.1	75	22.2	11.6	713	1.74	3.5	.4	3.0	2.5	14.8	.15	.36	.09	43	.44	.049	9.6	32.3	.42	122.8	.104	1	.92	.004	.02	<.2	.02	30	.2	<.02	3.3
PPX-14327	.40	32.51	2.29	56.7	60	38.6	33.4	2977	2.46	1.6	.1	8.0	.6	16.9	.28	.17	.03	66	.56	.050	3.8	66.0	.76	92.6	.218	1	1.55	.008	.06	<.2	.03	87	.1	<.02	3.4
PPX-14345	.63	17.73	11.82	58.9	414	20.1	7.8	1020	1.76	3.2	4.2	2.5	1.2	59.2	.43	.18	.21	12	1.02	.094	19.0	14.6	.20	82.9	.006	1	.97	.003	.10	<.2	.04	120	.3	<.02	2.6
PPX-14290	1.01	46.86	124.94	102.3	405	59.2	19.1	871	2.51	9.5	.7	11.1	1.4	16.3	.65	.72	.24	41	.51	.065	8.8	46.0	.58	92.8	.094	1	1.21	.003	.03	<.2	.03	88	.9	.02	2.7
PPX-14330	.29	34.68	2.73	43.1	48	32.1	17.7	592	2.10	1.9	.2	5.6	.6	18.1	.20	.28	.04	60	.55	.055	4.1	62.4	.74	53.2	.215	1	1.28	.008	.06	<.2	<.02	58	.3	<.02	3.2
PPX-14325	2.46	21.95	16.22	108.6	406	56.6	18.9	8634	3.16	13.2	3.2	1.4	1.5	56.9	.88	.13	.35	19	.70	.117	19.1	23.7	.29	441.9	.012	1	1.34	.004	.11	<.2	.10	150	1.7	.03	3.2
PPX-14309	.68	27.17	9.07	89.6	621	46.4	14.9	2664	1.96	3.5	1.3	1.7	.9	43.1	.72	.21	.15	20	.48	.072	11.7	22.7	.37	323.8	.021	1	.91	.003	.07	<.2	.03	98	1.1	.03	2.3
PPX-14312	.78	23.87	12.42	80.0	576	40.8	14.2	1706	2.26	4.7	1.2	93.4	1.5	33.9	.62	.22	.18	30	.41	.068	14.0	31.2	.40	253.7	.032	1	1.10	.005	.07	<.2	.04	91	.6	.03	3.2
STANDARD DS2	15.16	126.76	32.41	155.5	272	34.2	12.4	824	3.09	58.5	22.1	197.7	4.1	30.5	10.61	10.04	11.27	76	.54	.084	15.9	165.6	.60	157.9	.096	2	1.73	.030	.17	7.8	1.81	237	2.1	1.99	6.0

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: MOSS MAT S140 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 24 2000 DATE REPORT MAILED: Nov 15/00 SIGNED BY. C. Leong ..D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

ACME ANALYTICAL

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2320 FILE # A004332

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
PPX-14304	.62	54.40	5.59	58.8	192	42.0	20.1	793	2.44	1.7	.4	.9	.4	22.8	.39	.24	.09	58	.68	.092	7.4	62.4	.64	137.6	.142	2	1.68	.006	.12	<.2	.03	106	.3	<.02	3.5
PPX-14340	.40	15.09	11.78	83.4	239	25.5	26.0	1980	2.85	10.4	1.7	2.2	2.5	25.4	.82	.11	.19	8	.44	.073	16.1	9.4	.16	97.1	.007	2	.60	.004	.07	<.2	.03	69	.5	.02	1.4
PPX-14331	.65	15.37	9.29	46.2	65	22.8	14.3	1256	2.02	7.5	1.1	8.2	6.6	9.2	.16	.13	.31	14	.14	.049	25.8	14.5	.25	61.3	.018	<1	.57	.002	.04	<.2	.02	28	.3	.02	1.7
PPX-14321	.54	16.34	10.73	66.8	90	26.2	13.0	827	2.04	3.4	1.2	10.3	5.6	14.3	.21	.14	.28	21	.25	.066	24.2	19.0	.37	71.8	.026	1	.80	.004	.07	<.2	.04	30	.3	.02	2.3
PPX-14306	.32	31.53	4.33	45.8	40	34.0	20.7	954	2.14	1.6	.2	5.1	.9	12.8	.14	.17	.04	53	.52	.047	4.3	61.3	.73	57.7	.217	<1	1.24	.005	.03	<.2	<.02	29	.2	<.02	2.9
PPX-14300	.26	30.18	3.12	54.2	41	32.7	19.7	948	2.08	1.3	.2	3.2	.8	14.5	.17	.16	.04	60	.53	.046	4.7	63.6	.66	54.6	.242	<1	1.33	.007	.03	<.2	.02	58	.2	<.02	3.0
PPX-14346	.95	24.43	13.22	126.8	246	37.8	17.4	2998	2.52	5.1	2.2	1.4	2.3	28.1	.57	.15	.23	20	.56	.078	20.8	23.3	.38	129.8	.017	1	1.16	.003	.10	<.2	.06	72	.4	.03	3.1
PPX-14291	.47	20.15	9.71	57.5	105	25.2	18.3	1238	2.53	3.8	.6	2.0	3.6	13.6	.21	.20	.13	29	.38	.061	20.6	26.3	.50	121.0	.036	1	1.07	.003	.04	<.2	.05	52	.1	<.02	3.2
PPX-14286	1.73	67.25	10.64	126.4	814	54.2	22.1	5270	4.38	11.1	1.1	7.6	.4	40.7	.82	.62	.12	103	1.79	.152	15.8	82.8	.62	535.7	.068	3	2.54	.008	.08	<.2	.10	280	.8	.02	5.3
PPX-14337	.16	9.73	6.70	35.1	207	22.8	5.8	625	.80	1.0	1.8	.8	2.3	12.6	.29	.05	.07	2	.16	.059	13.3	4.5	.09	42.9	.004	<1	.41	.002	.04	<.2	.03	63	.3	<.02	.9
PPX-14326	.41	34.89	3.20	77.4	83	48.8	45.3	4190	3.14	3.8	.2	.8	.7	20.8	.34	.26	.05	81	.83	.065	5.3	71.6	.79	127.9	.228	2	1.77	.009	.07	<.2	.04	99	.4	<.02	3.9
PPX-14282	.37	36.18	9.32	58.6	77	37.9	18.7	613	2.76	5.9	.4	83.9	2.7	16.6	.18	.69	.09	72	.62	.053	10.0	54.2	.72	102.4	.203	1	1.31	.006	.06	<.2	.03	52	.4	<.02	3.9
PPX-14329	.34	41.73	2.90	47.9	60	39.2	21.0	780	2.69	2.4	.2	1.2	.5	23.1	.21	.23	.04	78	.81	.050	4.6	78.8	.92	90.2	.287	2	1.71	.010	.06	<.2	.02	62	.2	<.02	3.7
PPX-14322	.50	16.46	10.04	60.7	81	24.5	11.9	662	1.90	3.4	1.1	20.6	5.8	13.8	.18	.13	.29	20	.23	.063	22.8	17.5	.34	64.5	.029	1	.73	.004	.06	<.2	.04	43	.3	<.02	2.3
PPX-14314	.69	21.45	10.03	65.9	213	32.4	12.3	614	2.07	4.4	1.0	251.0	4.9	18.7	.25	.27	.18	33	.36	.064	18.2	24.8	.38	114.3	.070	1	.80	.004	.05	<.2	.03	34	.5	.02	2.4
PPX-14302	.48	40.40	4.73	52.5	117	39.0	34.8	2285	2.47	1.7	.3	29.2	.5	15.3	.33	.15	.06	62	.50	.062	5.2	71.3	.74	76.9	.208	1	1.75	.006	.14	<.2	.03	97	.2	<.02	3.7
PPX-14297	.68	116.15	5.42	91.9	497	91.0	28.4	1804	3.14	4.4	.5	4.1	.4	25.8	.54	.32	.08	72	1.37	.097	12.1	87.5	.68	144.6	.099	2	2.29	.005	.09	<.2	.08	262	.6	.02	4.0
PPX-14319	.61	14.38	9.63	58.7	133	26.5	12.9	1500	1.64	2.4	1.9	48.9	6.3	12.1	.25	.07	.25	14	.22	.065	23.9	14.1	.32	77.7	.018	1	.71	.002	.04	<.2	.03	26	.3	.02	2.2
PPX-14344	.76	14.44	14.61	105.5	437	35.7	77.4	14009	5.33	5.9	1.3	.7	1.2	49.2	.64	.11	.23	17	.81	.115	23.8	13.1	.15	325.8	.008	2	.91	.004	.09	<.2	.12	162	.2	.03	3.0
PPX-14333 S-1	1.04	30.30	8.24	52.9	31	13.2	14.5	531	4.29	2.6	.6	1.0	2.5	41.7	.11	.09	.14	158	.51	.043	11.3	40.8	.53	91.8	.353	1	4.19	.111	.05	<.2	.14	39	.3	.02	10.5
PPX-14323	.95	42.66	13.85	66.0	403	53.9	15.1	2838	1.79	2.5	5.2	2.2	.8	69.8	1.00	.29	.30	15	1.27	.131	46.1	16.6	.29	129.7	.013	3	1.11	.006	.14	<.2	.07	149	1.0	.03	2.3
PPX-14311	.85	35.43	14.29	137.2	1386	86.9	14.5	1592	2.32	4.9	3.6	3.3	.6	69.8	2.65	.28	.22	20	.89	.117	14.2	27.3	.45	299.8	.015	2	1.07	.004	.06	<.2	.04	137	3.0	.04	2.7
PPX-14305	.51	45.03	4.18	72.3	126	47.7	24.3	1553	2.79	2.8	.3	2.0	.9	18.0	.21	.24	.06	66	.66	.071	6.1	71.2	.76	109.8	.167	1	1.56	.006	.07	<.2	.03	66	.1	<.02	3.5
RE PPX-14305	.53	45.44	4.56	73.8	131	46.5	25.2	1585	2.84	2.9	.3	2.4	1.0	20.3	.21	.27	.07	69	.69	.073	6.8	72.7	.78	112.7	.182	1	1.61	.007	.08	<.2	.03	79	.3	<.02	3.9
PPX-14298	.75	170.03	7.98	71.4	702	116.7	39.1	1437	4.20	6.5	.7	2.2	.7	34.9	.55	.54	.18	88	1.26	.111	15.1	120.8	.98	169.2	.104	2	3.09	.009	.15	<.2	.07	160	.5	.02	6.2
PPX-14284	1.50	61.49	8.20	144.7	502	67.5	31.5	12420	3.59	18.7	.8	2.7	.5	45.0	1.35	.95	.11	61	1.59	.218	17.4	55.9	.52	610.1	.049	4	1.73	.007	.16	<.2	.11	201	.6	<.02	3.8
PPX-14352	.85	19.03	9.92	79.2	361	36.5	22.7	3535	2.56	5.0	1.3	1.1	1.5	26.5	.38	.11	.19	25	.42	.084	17.6	29.1	.38	507.1	.023	1	1.16	.003	.09	<.2	.06	100	.5	<.02	3.5
PPX-14339	.29	11.53	11.64	59.5	296	20.9	13.5	1340	2.50	5.0	1.7	2.4	1.8	24.5	.31	.08	.17	9	.47	.084	14.0	11.0	.14	94.7	.008	1	.64	.002	.07	<.2	.04	94	.4	<.02	2.3
PPX-14335	.84	36.72	12.81	86.0	496	34.5	14.1	2932	2.50	6.0	5.0	1.4	2.5	87.7	.62	.26	.28	10	1.53	.127	38.1	18.6	.20	150.3	.014	6	1.03	.006	.14	<.2	.07	205	.6	.03	2.1
PPX-14341	.25	16.70	6.93	50.4	339	27.0	6.5	984	1.38	3.9	5.2	.9	1.8	29.4	.28	.20	.15	4	.59	.105	14.5	9.9	.16	32.3	.005	2	.52	.003	.15	<.2	.02	64	1.8	<.02	1.6
PPX-14328	.41	46.64	2.89	78.2	65	48.5	25.2	1217	2.80	2.3	.2	.8	.5	20.2	.22	.23	.07	76	.85	.058	3.8	79.8	.94	85.3	.250	3	1.82	.009	.08	<.2	.03	76	.1	<.02	3.9
PPX-14318	.74	26.96	12.56	69.5	302	37.1	10.4	670	2.14	2.7	2.3	1.0	1.1	50.2	.29	.14	.37	20	.86	.065	10.9	20.0	.38	156.1	.015	2	.84	.004	.06	<.2	.03	71	1.5	.02	2.4
PPX-14349	.51	9.84	9.05	57.7	116	28.0	19.2	1772	2.13	6.2	.7	.4	2.0	13.8	.28	.08	.15	14	.20	.044	13.7	21.7	.31	82.0	.011	1	.75	.003	.06	<.2	.03	43	.2	<.02	2.6
STANDARD DS2	14.16	130.46	32.25	161.6	264	34.6	12.9	813	3.12	58.7	21.8	206.1	3.8	28.7	10.32	9.29	10.45	76	.57	.085	16.2	163.2	.59	150.7	.099	2	1.66	.030	.16	7.2	1.85	220	2.2	1.88	6.0

Sample type: MOSS MAT S140. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ___ 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
PPX-14310	.83	44.11	12.67	89.2	1560	73.5	14.8	1359	2.52	4.5	6.1	73.1	1.0	56.4	.70	.27	.22	25	.63	.085	17.6	29.9	.46	274.3	.025	2	1.17	.004	.09	.3	.04	131	2.1	.07	2.7
PPX-14303	.59	34.20	3.76	53.7	93	34.0	44.2	2702	2.77	1.6	.2	1.5	.4	13.8	.23	.09	.05	63	.47	.059	5.2	67.9	.77	92.7	.214	<1	1.67	.005	.05	<.2	.03	66	.3	<.02	3.4
PPX-14295	.37	38.28	4.87	68.4	121	51.3	31.1	4089	3.34	3.0	.3	2.2	1.2	20.7	.68	.19	.07	86	.70	.059	9.2	83.2	.88	166.9	.185	1	2.06	.006	.04	<.2	.05	88	.4	.03	5.4
PPX-14289	.41	44.84	10.12	54.8	89	44.5	20.1	673	2.61	1.4	.2	15.9	.7	17.3	.20	.13	.05	62	.58	.046	5.3	76.9	1.03	122.7	.221	<1	1.79	.004	.05	<.2	.02	42	.4	<.02	3.9
PPX-14261	.31	37.73	8.62	60.3	59	35.7	18.2	630	2.77	5.1	.4	210.0	2.9	17.0	.18	.62	.09	74	.62	.054	11.8	56.2	.74	106.6	.212	2	1.46	.005	.05	<.2	.03	54	.3	.02	4.1
PPX-14347	.86	18.16	11.09	77.3	288	28.2	12.5	1383	2.15	4.2	1.8	.8	1.4	34.9	.38	.07	.23	16	.56	.070	21.6	24.8	.42	86.1	.009	2	1.20	.002	.07	<.2	.05	73	.3	.02	3.6
PPX-14342	.29	18.67	8.50	56.7	408	26.9	6.9	1119	1.45	4.4	5.2	45.7	1.1	35.6	.34	.27	.15	8	.64	.117	19.3	12.5	.19	37.9	.008	3	.63	.004	.14	<.2	.03	78	2.0	.02	1.8
STD S-1	.96	29.57	8.28	52.2	33	12.2	11.7	460	4.05	2.5	.5	1.5	2.7	45.9	.12	.08	.14	154	.47	.043	12.1	40.4	.51	87.6	.340	1	4.23	.109	.06	<.2	.13	34	.4	.06	10.6
PPX-14336	.29	13.37	10.26	123.3	201	21.0	12.9	1447	2.18	4.4	1.2	74.2	2.1	22.0	.29	.11	.16	10	.41	.073	15.3	12.1	.17	94.8	.006	<1	.67	.002	.12	<.2	.03	78	.3	.02	2.0
RE PPX-14289	.40	45.27	9.94	54.9	85	43.8	19.5	681	2.62	1.8	.2	<.2	.7	17.3	.21	.13	.05	63	.59	.046	5.2	79.1	1.04	123.2	.231	2	1.83	.004	.05	<.2	.02	42	.3	<.02	3.9
STANDARD DS2	14.13	129.63	31.65	158.7	260	35.3	11.9	796	2.99	57.2	19.1	191.2	3.6	28.9	10.06	9.47	10.21	74	.52	.085	16.8	160.1	.58	145.4	.093	2	1.69	.025	.15	6.9	1.83	226	2.2	1.91	6.1

Sample type: MOSS MAT S140. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data 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 2320 File # A004332 Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
PPX-14343	.43	<.1	<.02	.16	3.7	.9	.1	.02	<.05	.3	4.32	34.2	<.02	<1	.1	8.3	30.0
PPX-14351	.62	<.1	.02	.39	6.4	2.6	.3	.03	<.05	1.2	5.40	32.9	<.02	<1	.2	16.2	30.0
PPX-14294	.27	.1	.05	.36	2.1	3.0	.3	.06	<.05	1.9	5.92	13.5	<.02	<1	.2	6.8	30.0
PPX-14283	.85	<.1	.04	.53	5.2	5.2	.4	.05	<.05	1.7	11.46	26.3	.02	<1	.3	14.3	30.0
PPX-14316	.30	<.1	.03	.22	3.4	1.2	.2	.11	<.05	.9	7.38	19.9	<.02	3	.2	14.9	30.0
PPX-14307	.26	<.1	.04	.42	1.7	2.4	.2	.05	<.05	1.5	4.46	7.4	<.02	<1	.2	6.2	30.0
PPX-14293	.35	<.1	.04	.41	2.3	3.0	.3	.05	<.05	1.5	6.11	13.7	<.02	<1	.3	8.6	30.0
PPX-14285	.80	.1	.02	.73	6.3	9.2	.4	.13	<.05	1.1	40.71	36.3	.02	<1	.9	16.0	30.0
PPX-14301	.33	<.1	.03	.53	5.0	3.0	.3	.05	<.05	1.4	8.24	11.7	<.02	<1	.3	10.0	30.0
PPX-14332	.50	.1	<.02	.15	3.7	.9	.2	.04	<.05	.2	7.22	35.9	<.02	1	.2	9.4	30.0
PPX-14317	.33	<.1	.02	.22	4.4	1.6	.3	.06	<.05	1.2	6.83	25.7	<.02	3	.2	12.2	30.0
PPX-14324	.50	.1	<.02	.34	8.0	1.9	.4	.10	<.05	.4	22.56	80.7	.02	<1	.4	13.0	30.0
PPX-14315	.49	.1	<.02	.28	5.9	2.1	.3	.02	<.05	.7	10.71	34.7	<.02	<1	.2	15.4	30.0
PPX-14288	.46	<.1	.04	.54	4.5	3.8	.3	.03	<.05	2.0	9.91	13.9	<.02	<1	.4	12.1	30.0
PPX-14292	.29	<.1	.03	.36	1.6	2.2	.3	<.01	<.05	1.5	5.30	9.0	<.02	<1	.2	6.9	30.0
PPX-14348	.51	<.1	<.02	.13	4.3	.8	.3	.04	<.05	.3	5.00	29.9	<.02	<1	.1	13.0	30.0
PPX-14338	.39	.1	<.02	.14	4.3	.8	.2	.04	<.05	.2	2.87	35.2	<.02	<1	.2	7.9	30.0
PPX-14299 STSD-4	.93	.2	.03	.81	6.8	3.1	1.2	.17	<.05	1.5	10.71	26.6	.02	1	.3	9.1	7.5
PPX-14334	.85	.1	<.02	.20	4.5	.9	.2	.06	<.05	.3	17.19	21.4	<.02	<1	.3	9.1	30.0
PPX-14320	.27	.1	.02	.21	3.1	1.8	.3	.06	<.05	.7	29.16	60.7	<.02	<1	.3	7.0	30.0
PPX-14350	.50	.1	<.02	.15	4.1	1.0	.2	.05	<.05	.2	6.00	36.2	<.02	<1	.2	12.7	30.0
PPX-14313	.24	<.1	<.02	.16	3.7	1.2	.3	.02	<.05	.5	5.26	35.0	<.02	<1	.1	9.7	30.0
RE PPX-14313	.24	.1	<.02	.15	3.8	1.2	.2	.04	<.05	.5	5.23	34.6	<.02	<1	.2	9.1	30.0
PPX-14308	.30	.1	<.02	.17	3.7	1.5	.2	.10	<.05	.3	14.94	23.7	<.02	3	.3	9.9	30.0
PPX-14296	.58	.1	.03	.56	3.9	8.5	.3	.12	<.05	1.4	38.38	16.7	.02	<1	.5	11.6	30.0
PPX-14287	.27	<.1	.05	.36	2.3	2.7	.3	.02	<.05	2.1	7.04	20.3	<.02	<1	.2	8.3	30.0
PPX-14327	.28	<.1	.05	.47	2.2	3.8	.3	.03	<.05	2.2	8.01	11.1	<.02	<1	.3	8.7	30.0
PPX-14345	.52	<.1	<.02	.35	5.9	.7	.2	.09	<.05	.5	10.94	27.9	<.02	1	.3	12.8	30.0
PPX-14290	.38	.1	.02	.32	2.4	2.8	.2	.09	<.05	1.0	9.98	16.9	.02	<1	.2	8.7	30.0
PPX-14330	.38	<.1	.07	.46	2.3	3.8	.3	.06	<.05	2.7	9.52	9.8	<.02	<1	.1	8.0	30.0
PPX-14325	.52	<.1	.02	.25	6.8	1.6	.3	.12	<.05	.6	14.20	38.9	<.02	3	.3	12.1	30.0
PPX-14309	.31	<.1	<.02	.19	3.6	1.3	.2	.08	<.05	.5	7.58	22.8	<.02	<1	.2	11.5	30.0
PPX-14312	.40	<.1	.02	.28	4.5	2.0	.3	.06	<.05	.8	8.29	28.2	.02	<1	.3	12.4	30.0
STANDARD DS2	3.50	.1	.05	1.35	13.2	3.1	25.1	.03	<.05	3.0	8.08	30.7	5.13	<1	.6	15.3	30.0

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: MOSS MAT S140 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 24 2000 **DATE REPORT MAILED:** Nov 15/00 **SIGNED BY.** C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
PPX-14304	.36	<.1	.03	.62	3.3	2.9	.4	.11	<.05	1.4	11.70	17.2	.02	<1	.4	8.1	30
PPX-14340	.49	<.1	<.02	.16	3.3	.7	.2	.04	<.05	.3	10.77	23.2	<.02	<1	.2	5.8	30
PPX-14331	.25	<.1	<.02	.13	2.6	.8	.1	.01	<.05	.3	4.41	46.0	<.02	<1	.2	8.8	30
PPX-14321	.37	<.1	<.02	.22	3.9	.9	.2	.03	<.05	.6	5.57	43.2	<.02	<1	.1	10.1	30
PPX-14306	.22	<.1	.04	.30	1.6	2.3	.2	.04	<.05	1.7	4.61	9.3	<.02	<1	.1	5.2	30
PPX-14300	.26	<.1	.07	.45	2.2	2.7	.3	.02	<.05	2.1	5.99	10.0	<.02	1	.3	6.9	30
PPX-14346	.61	.1	<.02	.20	5.6	1.1	.2	.05	<.05	.5	7.67	38.7	<.02	<1	.2	12.8	30
PPX-14291	.64	<.1	<.02	.33	5.2	1.4	.2	.02	<.05	.5	5.96	38.5	<.02	<1	.3	12.0	30
PPX-14286	.81	.1	.02	.66	5.7	7.6	.5	.17	<.05	1.2	34.72	21.8	.03	<1	.7	12.4	30
PPX-14337	.32	<.1	<.02	.06	2.2	.7	.1	.05	<.05	.4	7.89	21.0	<.02	<1	.2	4.2	30
PPX-14326	.31	.1	.06	.56	2.7	4.5	.4	.08	<.05	2.4	10.31	14.8	<.02	<1	.3	9.1	30
PPX-14282	.40	.1	.10	.49	2.9	4.4	.3	.03	<.05	4.3	8.65	20.3	.02	<1	.3	8.4	30
PPX-14329	.31	.1	.11	.64	2.2	4.3	.3	.03	<.05	3.2	10.40	9.0	<.02	<1	.3	9.1	30
PPX-14322	.34	.1	<.02	.22	3.7	1.0	.2	.01	<.05	.7	5.42	43.0	<.02	<1	.2	10.0	30
PPX-14314	.31	.1	.02	.29	3.1	1.6	.2	.03	<.05	1.5	6.13	35.3	<.02	<1	.2	9.8	30
PPX-14302	.35	.1	.03	.52	4.6	2.7	.3	.07	<.05	1.3	7.91	12.2	<.02	<1	.4	9.3	30
PPX-14297	.68	.1	.03	.62	3.6	8.4	.3	.10	<.05	1.2	37.13	15.3	.02	<1	.6	10.4	30
PPX-14319	.26	<.1	<.02	.13	2.8	.7	<.1	.02	<.05	.7	5.25	44.1	<.02	2	.1	10.8	30
PPX-14344	.62	.1	<.02	.18	6.8	.8	.2	.10	<.05	.1	13.20	33.5	<.02	<1	.4	9.0	15
PPX-14333 S-1	1.33	.2	.76	.36	4.2	7.5	1.3	.01	<.05	37.0	13.43	29.2	.05	<1	.7	10.3	30
PPX-14323	.43	.1	<.02	.39	5.7	1.0	.2	.17	<.05	.4	27.60	60.0	<.02	1	.3	10.7	15
PPX-14311	.42	.1	<.02	.19	5.1	1.1	.2	.08	<.05	.4	11.45	21.4	<.02	3	.2	12.3	30
PPX-14305	.33	.1	.04	.40	2.9	3.4	.3	.02	<.05	1.5	9.19	13.1	<.02	<1	.3	8.5	30
RE PPX-14305	.34	.1	.03	.45	3.4	4.1	.3	.05	<.05	1.6	10.17	14.6	<.02	<1	.4	9.0	30
PPX-14298	.99	.1	.04	.73	6.6	10.4	.4	.10	<.05	1.5	39.81	26.0	.03	2	.8	13.8	15
PPX-14284	.73	<.1	<.02	.32	4.5	5.8	.4	.11	<.05	.6	27.82	27.0	.03	<1	.5	12.4	15
PPX-14352	.58	<.1	<.02	.18	6.3	1.7	.3	.06	<.05	.2	8.49	38.1	<.02	1	.3	12.9	30
PPX-14339	.47	<.1	<.02	.16	5.6	.8	.2	.05	<.05	.2	8.47	21.9	<.02	<1	.2	8.1	30
PPX-14335	.71	.1	.02	.26	5.6	1.9	.2	.12	<.05	.8	24.48	24.0	<.02	<1	.3	7.7	15
PPX-14341	1.07	<.1	.02	.10	4.6	.6	.1	.04	<.05	.4	14.16	14.0	<.02	<1	.1	6.7	30
PPX-14328	.36	.1	.08	.63	3.2	4.3	.3	.04	<.05	2.8	9.30	8.4	<.02	<1	.4	9.4	30
PPX-14318	.34	<.1	.03	.21	4.9	1.2	.1	.03	<.05	.9	4.90	19.9	<.02	2	.2	11.5	30
PPX-14349	.42	<.1	<.02	.14	3.7	.7	.1	.02	<.05	.1	3.33	28.8	<.02	<1	.2	9.5	30
STANDARD DS2	3.46	.1	.05	1.35	13.6	2.8	24.1	.03	<.05	2.9	8.02	31.1	5.14	2	.6	13.9	30

Sample type: MOSS MAT S140. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
PPX-14310	.48	<.1	.04	.41	5.6	1.9	.1	.03	<.05	1.3	16.12	24.2	.02	<1	.2	13.4	30
PPX-14303	.31	.1	.04	.59	2.7	2.1	.4	<.01	<.05	1.3	6.03	10.9	<.02	<1	.2	7.8	30
PPX-14295	.48	<.1	.08	.60	3.3	5.6	.4	.03	<.05	2.8	13.23	19.0	.02	<1	.3	12.0	30
PPX-14289	.45	.1	.06	.68	2.9	2.7	.3	.02	<.05	1.9	6.55	10.1	<.02	<1	.3	10.4	30
PPX-14281	.40	.1	.13	.56	2.8	4.4	.3	.01	<.05	5.0	8.85	21.9	<.02	1	.3	9.2	30
PPX-14347	.61	.1	.02	.27	5.8	.8	.2	.05	<.05	.3	6.95	36.5	<.02	<1	.2	17.6	30
PPX-14342	1.09	.1	<.02	.11	4.3	.7	<.1	.08	<.05	.2	17.27	18.2	<.02	<1	.1	7.7	15
.STD S-1	1.26	.2	.71	.34	4.1	6.8	1.4	.02	<.05	38.7	14.13	29.7	.05	<1	.6	10.1	30
PPX-14336	.33	<.1	<.02	.16	4.6	.8	.1	.04	<.05	.2	7.07	24.4	<.02	<1	.2	7.8	15
RE PPX-14289	.44	<.1	.05	.66	2.9	2.7	.3	.01	<.05	1.9	6.72	10.1	<.02	<1	.1	9.9	30
STANDARD DS2	3.33	.1	.05	1.38	12.8	2.7	25.7	.02	<.05	2.8	8.09	31.3	5.11	3	.6	14.7	30

Sample type: MOSS MAT S140. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2320 File # A004332R Page 1

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	LOI %
PPX-14343	5.7
PPX-14351	7.3
PPX-14294	8.4
PPX-14283	13.5
PPX-14316	21.6
PPX-14307	9.7
PPX-14293	11.4
PPX-14285	41.3
PPX-14301	21.6
PPX-14332	14.3
PPX-14317	19.4
PPX-14324	28.4
PPX-14315	14.2
PPX-14288	14.6
PPX-14292	8.5
PPX-14348	10.8
PPX-14338	7.0
PPX-14299 STSD-4	11.2
PPX-14334	23.7
PPX-14320	32.5
PPX-14350	11.8
PPX-14313	6.7
RE PPX-14313	6.7
PPX-14308	32.1
PPX-14296	37.4
PPX-14287	4.7
PPX-14327	13.8
PPX-14345	27.0
PPX-14290	10.4
PPX-14330	13.2
PPX-14325	25.4
PPX-14309	16.2
PPX-14312	13.4
STANDARD DOLOMITE	46.0

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

DATE RECEIVED: NOV 22 2000 DATE REPORT MAILED: Dec 4/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

SAMPLE#	LOI %
PPX-14304	33.6
PPX-14340	20.2
PPX-14331	5.0
PPX-14321	6.1
PPX-14306	6.8
PPX-14300	11.1
PPX-14346	18.6
PPX-14291	10.5
PPX-14286	46.0
PPX-14337	11.9
PPX-14326	18.3
PPX-14282	7.6
PPX-14329	18.1
PPX-14322	5.3
PPX-14314	5.4
PPX-14302	19.9
PPX-14297	41.2
PPX-14319	4.6
PPX-14344	31.7
PPX-14333 S-1	7.2
PPX-14323	50.4
PPX-14311	29.2
PPX-14305	15.3
RE PPX-14305	15.4
PPX-14298	40.0
PPX-14284	37.1
PPX-14352	14.0
PPX-14339	19.6
PPX-14335	52.5
PPX-14341	23.2
PPX-14328	22.9
PPX-14318	17.5
PPX-14349	10.5
STANDARD DOLOMITE	45.9

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

Data / FA

SAMPLE#	LOI %
PPX-14310	22.1
PPX-14303	14.8
PPX-14295	14.4
PPX-14289	11.9
PPX-14281	7.2
PPX-14347	19.3
PPX-14342	27.6
.STD S-1	7.3
PPX-14336	19.4
RE PPX-14336	19.6
STANDARD DOLOMITE	45.8

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

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A004333 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
PPX-14360	1.10	43.62	7.24	61.1	243	31.3	16.3	1960	2.16	1.8	.5	.7	.2	33.6	.49	.26	.09	71	1.15	.124	12.9	49.7	.49	244.2	.074	4	2.04	.009	.11	<.2	.08	201	.2	.03	4.9
PPX-14362	.50	43.26	5.14	58.6	124	34.2	14.2	859	2.44	2.0	.5	24.5	.8	25.3	.21	.31	.11	88	1.25	.075	9.6	50.8	.78	248.4	.204	1	2.13	.012	.10	<.2	.04	99	.9	<.02	5.8
PPX-14355	.65	44.80	5.60	75.5	201	36.8	14.4	749	2.44	2.7	.8	8.5	.7	25.0	.45	.35	.08	82	1.16	.107	10.4	58.2	.82	348.6	.179	1	1.84	.012	.08	<.2	.03	88	2.7	<.02	5.4
PPX-14359	.67	33.43	7.80	101.9	389	41.9	27.6	8213	3.43	7.5	.5	4.2	.6	37.6	.56	.54	.10	66	1.45	.111	12.8	58.6	.52	457.1	.064	1	2.00	.008	.10	<.2	.08	229	.3	.03	5.0
PPX-14058	1.41	125.13	15.03	103.9	192	69.1	23.5	1813	3.27	9.8	1.4	11.0	1.2	43.8	.29	.99	.15	83	1.06	.099	15.5	104.6	1.32	854.4	.134	2	2.04	.007	.14	<.2	.07	116	2.4	.14	5.7
PPX-14363	2.88	36.31	5.23	182.4	336	61.6	46.6	52017	5.41	9.2	.2	.4	.3	60.1	1.07	.45	.06	78	1.98	.200	10.1	39.2	.31	2093.9	.050	2	1.58	.006	.09	<.2	.15	227	.7	.06	5.2
PPX-14059	1.60	173.86	11.36	106.7	218	50.7	15.0	1890	2.26	6.8	1.3	4.0	.5	40.1	.40	1.07	.10	61	1.75	.115	13.8	56.4	.69	1023.3	.085	5	1.45	.008	.17	<.2	.08	189	4.3	.06	4.2
PPX-14357	1.14	40.59	6.11	51.4	123	29.6	12.6	1035	2.16	2.4	.4	1.2	.7	50.0	.25	.35	.08	70	1.61	.078	8.3	52.3	.55	245.4	.102	3	1.40	.008	.09	<.2	.04	107	1.9	.04	4.4
PPX-14060	.45	62.99	4.28	64.1	70	42.4	21.3	910	3.45	11.9	.1	5.7	.8	43.1	.16	.54	.05	125	1.72	.078	6.0	64.9	1.22	254.3	.258	4	2.39	.014	.12	<.2	.03	75	1.6	.03	6.9
.STD S-1	1.02	30.05	8.37	52.7	37	11.9	12.9	464	4.12	3.1	.5	<.2	3.0	48.0	.09	.08	.14	155	.47	.043	11.5	41.5	.52	85.0	.348	<1	4.24	.110	.06	<.2	.13	39	.5	.05	11.0
PPX-14354	.50	44.06	4.74	57.0	184	31.1	13.1	662	2.38	4.8	.5	50.9	1.1	34.1	.24	.32	.07	80	1.07	.080	11.8	42.5	.74	589.3	.184	2	1.86	.016	.07	<.2	.03	75	1.6	.02	5.3
RE PPX-14354	.48	41.82	4.60	57.0	169	31.1	12.8	643	2.36	4.8	.5	23.0	1.1	33.4	.22	.32	.07	80	1.05	.076	11.0	42.1	.74	569.4	.185	1	1.83	.016	.06	<.2	.03	81	1.5	<.02	5.2
PPX-14057	.57	56.86	4.37	54.3	148	29.6	12.7	919	2.28	2.7	.3	1.5	.3	29.0	.22	.27	.06	78	1.36	.116	11.6	44.0	.79	396.1	.147	2	2.20	.012	.09	<.2	.03	158	.4	.03	5.0
PPX-14356	1.21	100.50	4.20	59.3	100	63.1	5.6	842	.88	4.3	3.3	.8	<.1	73.0	.23	.89	.05	67	2.72	.135	4.3	87.3	.40	121.0	.033	12	.59	.009	.11	<.2	.03	187	7.3	<.02	1.9
PPX-14361	.59	47.12	4.76	58.8	128	33.0	14.0	889	2.39	3.6	.4	2.6	.6	26.8	.24	.32	.07	85	1.28	.085	9.5	51.7	.76	265.5	.181	3	2.12	.013	.12	<.2	.04	112	1.1	.02	5.5
PPX-14358	.30	32.32	3.90	44.2	63	34.8	12.4	594	2.16	3.6	.3	7.1	1.4	18.3	.14	.28	.07	75	.93	.050	7.2	40.8	.74	298.3	.204	2	1.50	.010	.05	<.2	.02	44	.6	.03	4.6
PPX-14353	.30	34.62	3.72	52.8	66	34.4	15.1	518	2.55	3.6	.3	9.6	1.0	26.6	.24	.20	.06	102	1.29	.054	6.1	55.2	.93	109.1	.276	1	1.96	.022	.05	<.2	.02	48	.2	<.02	6.3
PPX-14056	1.42	148.25	12.68	83.8	228	58.4	19.3	1706	2.67	9.1	2.1	5.2	.5	50.5	.33	.90	.14	68	1.47	.116	15.0	83.9	1.02	833.7	.086	2	1.78	.011	.21	<.2	.05	172	4.5	.09	4.7
STANDARD DS2	14.36	130.03	32.68	154.2	258	34.4	11.8	829	2.99	54.2	20.1	196.4	3.8	28.5	10.03	9.31	11.12	72	.51	.082	16.1	158.1	.58	142.4	.091	<1	1.67	.029	.16	6.8	1.85	223	2.2	1.91	6.3

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: MOSS MAT S140 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 24 2000 DATE REPORT MAILED: Nov 15/00 SIGNED BY: C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A004333 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
PPX-14360	.73	.1	<.02	.79	4.4	4.4	.5	.16	<.05	1.3	29.40	18.8	.02	<1	.6	9.4	30
PPX-14362	.61	.1	.14	.95	4.3	6.1	.5	.08	<.05	4.2	21.65	14.5	.02	<1	.3	10.7	30
PPX-14355	.39	.1	.10	.83	3.0	4.5	.5	.08	<.05	3.5	19.48	15.3	<.02	2	.3	10.3	30
PPX-14359	.53	.1	.03	.50	4.8	6.9	.4	.10	<.05	1.2	26.79	23.5	.02	<1	.3	13.6	30
PPX-14058	.72	.1	.06	1.96	4.6	4.9	.4	.07	<.05	2.3	19.65	21.6	.03	<1	.3	17.2	30
PPX-14363	.46	.2	<.02	.26	3.6	5.6	.3	.10	<.05	.8	29.59	19.2	<.02	1	.3	7.7	30
PPX-14059	.68	.1	.02	1.54	4.6	4.4	.5	.12	<.05	1.9	22.46	15.1	.02	<1	.3	10.2	15
PPX-14357	.43	.1	.06	.75	5.0	3.7	.4	.07	<.05	2.3	11.26	14.8	<.02	2	.1	10.8	30
PPX-14060	.98	.1	.17	.87	3.3	7.5	.4	.05	<.05	7.3	19.20	11.7	.02	<1	.3	11.9	30
.STD S-1	1.21	.2	.69	.30	4.6	7.5	1.3	<.01	<.05	35.1	14.81	29.8	.05	<1	.6	10.7	30
PPX-14354	.51	.1	.14	.73	3.1	4.7	.4	.05	<.05	5.0	20.30	17.3	.02	<1	.3	9.6	30
RE PPX-14354	.49	.1	.12	.75	3.0	4.5	.5	.05	<.05	5.0	19.28	16.4	<.02	2	.3	8.8	30
PPX-14057	.41	.1	.09	1.09	3.1	5.0	.5	.10	<.05	3.8	28.07	14.5	.02	<1	.2	6.8	30
PPX-14356	1.43	.2	.02	.33	2.7	1.2	.4	.18	<.05	1.0	11.54	4.8	<.02	6	.1	4.3	30
PPX-14361	.56	.1	.11	.87	3.8	6.0	.5	.08	<.05	4.1	21.37	13.4	<.02	<1	.4	9.4	30
PPX-14358	.44	.1	.14	.71	2.6	3.8	.4	.02	<.05	4.6	11.59	13.2	<.02	<1	.2	9.7	30
PPX-14353	.22	.1	.30	.78	2.0	5.7	.5	.03	<.05	10.9	14.47	11.7	.02	<1	.3	6.4	30
PPX-14056	.50	.1	.06	1.66	4.5	4.4	.4	.12	<.05	2.2	24.22	17.1	.02	<1	.5	12.6	30
STANDARD DS2	3.15	.1	.06	1.40	13.6	2.7	25.2	.02	<.05	2.9	8.09	30.3	5.21	1	.4	14.0	30

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: MOSS MAT S140 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 24 2000 DATE REPORT MAILED: Nov 15/00 SIGNED BY..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data 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 2398 File # A004333R

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	LOI %
PPX-14360	49.0
PPX-14362	26.6
PPX-14355	22.2
PPX-14359	36.0
PPX-14058	26.2
PPX-14363	46.9
PPX-14059	45.3
PPX-14357	34.5
PPX-14060	27.0
.STD S-1	7.1
PPX-14354	19.2
RE PPX-14354	19.4
PPX-14057	42.1
PPX-14356	74.5
PPX-14361	29.2
PPX-14358	12.1
PPX-14353	14.8
PPX-14056	43.4
STANDARD DOLOMITE	45.8

- SAMPLE TYPE: MOSS MAT *Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.*

DATE RECEIVED: NOV 22 2000 **DATE REPORT MAILED:** Dec 4/00 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A004334 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
PPD-18305	.35	67.17	9.11	71.0	58	110.9	27.3	1413	3.85	7.7	.3	3.1	3.7	26.0	.14	.62	.12	101	.96	.054	13.3	76.5	1.59	452.8	.207	3	2.46	.019	.11	<.2	.07	49	<.1	.03	7.2
PPD-18302	.25	124.14	2.56	56.5	57	537.5	63.8	897	5.49	38.8	.1	4.6	1.2	21.5	.06	.96	.04	105	1.03	.049	4.9	183.0	4.59	157.8	.131	5	2.60	.012	.03	<.2	.04	39	.2	.02	6.1
PPD-18304	.49	78.50	7.51	71.2	18	109.7	24.9	1127	4.13	8.3	.3	4.3	3.1	21.5	.12	.86	.11	113	.93	.037	11.6	101.6	1.58	627.7	.230	3	2.66	.014	.09	<.2	.05	58	.2	.05	7.9
PPD-18306	.26	55.72	6.91	56.2	38	94.7	22.0	920	3.59	6.6	.3	3.5	3.2	21.2	.09	.50	.10	102	.86	.038	11.8	87.8	1.41	395.5	.221	3	2.49	.014	.08	<.2	.04	53	.2	.03	7.1
PPD-18303	.17	39.27	4.11	37.6	9	63.3	12.9	496	2.56	3.9	.4	3.0	2.3	14.8	.05	.28	.05	83	.79	.018	9.7	72.5	1.17	338.9	.237	3	1.89	.011	.03	<.2	.02	25	<.1	<.02	5.2
PPD-18301	.22	126.84	2.70	58.2	57	562.5	67.4	924	5.65	37.4	.1	5.5	1.1	21.5	.07	.94	.03	102	.98	.048	4.7	181.0	4.74	158.9	.119	5	2.63	.011	.03	<.2	.04	38	.2	<.02	6.3
GEBD-18342	.53	29.71	8.23	55.9	71	41.4	15.9	553	2.99	5.2	.4	1.8	3.8	13.4	.14	.39	.10	89	.65	.043	15.1	59.5	.85	230.7	.233	2	1.87	.008	.04	<.2	.03	21	.4	.02	5.4
GEBD-18345	.66	49.42	13.06	69.7	42	61.5	21.6	691	3.27	7.8	.5	1.4	4.3	14.6	.17	.66	.19	84	.65	.046	16.0	67.8	1.03	364.8	.213	2	2.22	.008	.04	<.2	.05	33	.3	.02	5.7
GEBD-18343	.41	57.18	10.03	56.1	16	52.3	18.8	731	3.04	6.3	.4	3.9	4.0	14.4	.11	.51	.13	89	.74	.059	14.7	64.9	1.02	271.9	.234	1	1.99	.008	.04	<.2	.03	23	.1	<.02	5.8
GEBD-18341	.54	30.39	8.78	56.0	55	43.3	16.4	558	2.94	5.5	.4	2.9	4.0	14.5	.37	.42	.11	89	.66	.045	16.2	58.4	.86	237.3	.236	2	1.88	.009	.04	<.2	.03	18	.3	.02	5.7
.STD S-1	1.11	30.03	8.17	50.7	39	12.5	13.3	478	4.06	2.5	.6	.7	2.7	49.5	.09	.10	.14	155	.49	.042	11.7	41.2	.53	92.4	.355	1	4.23	.123	.06	<.2	.13	34	.3	.04	10.5
GEBD-18346	.54	28.23	9.13	58.4	11	38.2	13.8	463	2.81	4.8	.5	1.5	4.6	15.8	.13	.39	.11	74	.56	.060	18.2	56.9	.82	223.3	.191	1	1.74	.007	.04	<.2	.03	19	.1	<.02	5.0
GEBD-18344	.53	36.99	8.81	61.9	69	54.5	21.4	601	3.22	7.8	.4	1.9	3.4	12.2	.17	.66	.12	81	.57	.049	14.6	65.7	1.07	185.0	.191	2	2.13	.007	.04	<.2	.03	36	.3	<.02	6.0
RE GEBD-18344	.50	38.01	8.58	61.9	68	56.9	21.1	603	3.23	7.9	.4	3.5	3.4	12.5	.17	.64	.12	82	.57	.050	15.0	65.4	1.07	187.9	.194	2	2.15	.007	.04	<.2	.03	38	.4	.02	6.0
STANDARD DS2	14.70	125.95	33.36	153.2	260	35.6	11.7	815	3.04	55.6	21.2	203.0	3.5	27.4	10	75	9.92	10.44	74	.52	.090	16.1	161.1	.59	157.6	.095	3	1.71	.031	.15	7.9	1.87	254	2.2	1.90	5.8

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: TILL S230 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 24 2000 DATE REPORT MAILED: Nov 10/00 SIGNED BY..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A004334 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
PPD-18305	1.07	.1	.32	.07	7.0	7.7	.5	<.01	<.05	12.9	12.88	29.4	.04	<1	.5	21.5	30
PPD-18302	1.88	.1	.15	.04	1.9	7.1	.3	<.01	<.05	6.0	9.62	10.2	.02	<1	.2	22.8	30
PPD-18304	1.06	<.1	.33	.09	5.0	10.5	.6	<.01	<.05	12.9	13.11	23.2	.03	<1	.5	17.9	30
PPD-18306	.80	.1	.22	.20	5.6	8.2	.6	<.01	<.05	10.3	12.02	24.6	.03	<1	.4	19.2	30
PPD-18303	.50	.1	.27	.30	2.4	6.5	.4	<.01	<.05	10.5	9.59	20.4	.02	<1	.3	13.8	30
PPD-18301	1.87	.1	.17	.05	1.8	7.0	.3	<.01	<.05	6.2	9.44	9.9	.02	<1	.1	23.0	30
GEBD-18342	.46	<.1	.16	.57	4.4	3.7	.4	<.01	<.05	6.4	7.49	32.5	.02	<1	.2	16.4	30
GEBD-18345	.61	<.1	.19	.45	3.7	4.3	.4	<.01	<.05	7.6	9.36	35.8	.02	<1	.4	18.5	30
GEBD-18343	.44	<.1	.21	.27	2.4	4.9	.4	.01	<.05	8.7	9.46	35.9	.02	<1	.4	16.0	30
GEBD-18341	.46	<.1	.16	.49	4.2	3.7	.5	<.01	<.05	6.9	7.56	34.5	.02	<1	.3	16.4	30
.STD S-1	1.31	.1	.76	.52	4.5	9.4	1.3	.01	<.05	42.2	14.93	30.8	.05	<1	.8	11.7	30
GEBD-18346	.46	<.1	.16	.32	3.4	3.4	.3	<.01	<.05	6.6	7.16	37.2	.02	<1	.4	17.1	30
GEBD-18344	.67	.1	.09	.78	3.8	3.6	.4	.01	<.05	4.9	7.27	32.3	.02	<1	.2	21.4	30
RE GEBD-18344	.68	<.1	.11	.79	3.8	3.7	.4	.01	<.05	4.8	7.35	32.6	.02	<1	.3	22.4	30
STANDARD DS2	3.49	.1	.04	1.35	12.3	2.8	25.4	.01	<.05	2.8	7.48	31.1	5.26	1	.6	14.0	30

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: TILL S230 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 24 2000 DATE REPORT MAILED: Nov 10/00 SIGNED BY: C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

DATA L FA

ACME ANALYTICAL LABORATORIES LTD. [illegible] E. HASTINGS ST. VANCOUVER BC [illegible] 1R6 [illegible] (604) 253-[illegible] FAX (604) 2[illegible] 1716
(ISO 9002 Accredited Co.)

WHOLE ROCK ICP ANALYSIS

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A004334 (c)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
PPD-18305	63.23	11.39	7.17	3.86	3.06	1.69	1.21	1.06	.11	.20	.029	1106	127	20	5.7	.15	<.01	98.85
PPD-18302	52.40	9.02	10.35	11.81	4.91	1.11	.43	1.00	.19	.16	.102	351	1839	24	8.4	.28	<.01	100.16
PPD-18304	62.65	11.01	7.50	4.00	2.93	1.43	1.11	1.06	.08	.16	.034	1495	132	24	6.7	.26	<.01	98.85
PPD-18306	64.23	11.04	6.81	3.57	2.77	1.68	.99	1.12	.09	.14	.031	1005	86	20	6.4	.44	<.01	99.00
PPD-18303	69.46	10.07	5.58	3.64	3.21	1.80	.83	1.23	.06	.10	.038	994	74	21	4.1	.28	<.01	100.24
PPD-18301	51.65	8.97	10.39	11.93	4.75	1.12	.38	.97	.12	.16	.087	348	569	24	8.8	.26	<.01	99.44
GEBD-18342	66.48	11.77	6.13	2.67	2.60	1.75	1.40	1.37	.11	.09	.026	1228	45	17	4.4	.51	.03	98.94
GEBD-18345	64.68	12.35	6.53	3.12	2.67	1.53	1.62	1.28	.10	.11	.024	1342	75	20	5.1	.55	<.01	99.28
GEBD-18343	67.28	11.43	6.59	3.33	3.43	1.74	1.24	1.44	.12	.13	.030	1100	66	23	4.1	.22	.01	100.99
GEBD-18341	67.95	12.00	6.09	2.74	2.70	1.79	1.40	1.40	.12	.10	.021	1256	70	18	4.4	.42	.02	100.86
.STD S-1	53.59	18.74	8.71	2.45	3.93	2.95	1.11	1.43	.14	.13	.015	347	<20	23	7.2	.69	.01	100.44
GEBD-18346	65.89	12.40	5.90	2.61	2.34	1.65	1.81	1.27	.20	.08	.024	1279	41	18	4.2	.26	.01	98.52
GEBD-18344	62.50	11.88	6.49	3.17	2.51	1.60	1.44	1.23	.15	.10	.029	1212	48	18	7.7	1.58	<.01	98.94
RE GEBD-18344	62.62	11.82	6.55	3.12	2.47	1.53	1.40	1.24	.16	.10	.024	1210	44	18	7.7	1.59	<.01	98.88
STANDARD SO-15/CSB	49.65	12.37	7.15	7.11	5.75	2.36	1.80	1.77	2.65	1.36	1.039	1974	78	12	5.9	2.45	5.35	99.14

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: TILL S230 40C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 24 2000 **DATE REPORT MAILED:** Nov 10/00 **SIGNED BY.** C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A004334 (d)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
PPD-18305	33.8	2.6	17.3	6.4	9.3	48.0	2	164.5	.9	6.3	.7	1.7	207	1	227.8	30.7	25.6	56.3	6.13	25.2	5.0	1.35	5.18	.83	4.97	1.15	3.63	.43	3.02	.48
PPD-18302	78.5	3.0	11.5	4.5	5.4	15.2	1	100.3	.5	2.7	.6	.8	230	<1	167.6	27.5	12.8	26.5	3.44	15.1	3.5	1.14	4.22	.67	4.25	.99	2.97	.39	2.69	.45
PPD-18304	31.8	3.0	17.4	5.1	8.4	45.7	2	130.1	.8	5.6	.4	1.5	225	1	195.6	32.7	22.4	45.8	5.67	23.4	5.3	1.32	5.31	.84	5.35	1.18	3.77	.47	3.25	.52
PPD-18306	26.5	2.4	15.3	5.5	8.3	41.6	1	142.1	.8	5.6	.8	1.5	179	<1	201.4	28.7	23.0	47.7	5.70	23.0	4.9	1.41	4.71	.78	4.76	1.05	3.30	.42	3.02	.46
PPD-18303	19.1	1.8	13.1	6.1	9.0	32.4	1	133.0	.8	4.9	.3	1.6	166	<1	229.1	29.1	22.9	48.4	5.53	22.3	4.9	1.27	4.72	.73	4.66	1.10	3.34	.45	3.02	.45
PPD-18301	69.7	2.9	9.6	3.6	4.3	14.0	1	83.5	.4	2.3	.4	.7	182	<1	137.7	23.2	10.2	22.1	2.83	13.0	2.9	1.00	3.52	.55	3.64	.85	2.68	.36	2.40	.38
GEBD-18342	19.8	2.1	16.3	5.9	13.7	59.4	3	133.3	1.3	7.8	.3	2.0	180	3	231.8	28.8	33.1	66.6	7.63	28.5	5.8	1.33	4.77	.80	5.11	1.10	3.36	.40	2.82	.45
GEBD-18345	26.5	2.8	17.9	5.8	13.0	64.3	2	120.1	1.1	7.8	.4	2.1	190	1	219.4	31.8	33.0	70.8	7.77	30.3	5.6	1.54	5.21	.88	5.12	1.19	3.74	.50	3.20	.47
GEBD-18343	23.1	2.2	14.8	6.8	12.6	47.5	2	128.9	1.0	7.5	.6	1.8	191	1	252.7	33.8	33.8	72.5	7.82	29.8	6.4	1.66	5.64	.94	5.74	1.24	3.78	.48	3.26	.47
GEBD-18341	19.8	2.1	15.8	6.2	13.3	55.6	2	132.4	1.0	7.3	.2	1.9	184	1	225.7	29.2	32.2	64.8	7.29	27.4	6.0	1.41	4.94	.75	4.60	1.08	3.37	.45	2.73	.43
.STD S-1	17.9	2.7	22.0	5.6	7.2	38.6	3	343.1	.6	5.0	.3	1.4	206	<1	205.6	29.2	20.0	48.5	5.49	23.9	5.2	1.57	4.90	.80	4.78	1.09	3.34	.43	2.98	.45
GEBD-18346	16.8	2.8	18.5	5.8	14.2	72.0	2	134.0	1.2	8.7	.3	2.0	179	1	218.3	31.1	36.1	71.1	8.24	31.6	6.1	1.48	5.15	.85	5.19	1.14	3.42	.45	2.94	.42
GEBD-18344	24.6	2.4	17.0	5.2	11.9	56.3	2	114.5	1.0	6.8	.2	1.8	180	1	199.5	28.4	29.1	61.5	6.66	24.6	5.2	1.37	4.66	.78	4.89	1.05	3.19	.43	2.95	.47
RE GEBD-18344	25.4	2.6	16.8	5.3	12.5	56.9	2	118.7	1.0	6.9	.3	1.8	183	1	198.1	29.0	30.4	63.5	7.09	26.7	5.4	1.46	4.85	.79	5.10	1.08	3.33	.43	2.93	.44
STANDARD SO-15	21.2	2.8	17.8	25.1	30.9	64.6	18	403.0	1.7	23.3	1.2	20.0	158	20	1025.5	22.9	29.7	60.7	6.30	24.6	4.5	.93	4.04	.55	3.69	.77	2.53	.36	2.54	.38

GROUP 4B - REE - LiBO2 FUSION, ICP/MS FINISHED.
- SAMPLE TYPE: TILL S230 40C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 24 2000 DATE REPORT MAILED: Nov 10/00 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL LABORATORIES LTD. [illegible] E. HASTINGS ST. [illegible] COUVER BC [illegible] 1R[illegible] PH[illegible] 5(6[illegible] 53-[illegible] FA[illegible] 4)2[illegible] L71[illegible]
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A004334 (e)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
PPD-18305	.7	69	11	82	125	<2	.2	1	<1
PPD-18302	.5	123	<3	71	607	39	.3	1	<1
PPD-18304	.5	81	8	82	127	<2	.2	2	<1
PPD-18306	.5	55	8	66	106	<2	.3	2	<1
PPD-18303	<.5	40	5	47	85	2	<.2	1	<1
PPD-18301	<.5	120	<3	70	611	41	.2	<1	<1
GEBD-18342	.9	31	10	71	54	<2	.2	2	<1
GEBD-18345	.6	51	15	84	76	<2	.2	1	<1
GEBD-18343	.8	60	10	70	67	<2	<.2	1	<1
GEBD-18341	.9	30	9	69	53	<2	<.2	2	<1
.STD S-1	1.4	33	11	80	13	3	<.2	<1	<1
GEBD-18346	.6	29	11	73	49	2	<.2	1	<1
GEBD-18344	1.2	39	10	76	70	8	.3	1	<1
RE GEBD-18344	.6	37	9	75	68	2	.3	2	<1
STANDARD CT3	26.7	63	41	182	37	55	23.2	24	22
STANDARD G-2	2.2	3	21	54	7	9	<.2	<1	<1

GROUP 1EX - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: TILL S230 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 24 2000 DATE REPORT MAILED: Nov 10/00 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data [illegible] FA ____

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A004335 Page 1 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
GSMC-14175	.51	71.37	1.14	69.9	42	42.7	39.3	1252	6.52	.5	<.1	.7	.4	198.1	.09	.16	<.02	236	3.27	.080	4.9	77.3	2.76	802.9	.137	<1	2.34	.026	.02	<.2	.03	58	.9	.03	13.1
GSMC-14187	1.12	89.72	.90	65.9	39	37.9	46.8	1382	5.57	.9	.1	1.4	.2	1113.4	.10	.33	<.02	163	5.18	.044	2.0	45.0	2.19	2132.8	.254	4	2.65	.027	.02	<.2	.04	2000	.8	.17	10.7
GSMC-14182	.86	65.17	.61	40.7	24	97.3	29.8	989	3.43	2.8	.1	.8	.5	53.6	.09	.29	<.02	100	3.78	.033	2.7	213.9	2.91	338.4	.167	9	3.68	.028	.01	.4	<.02	10	.4	<.02	9.0
GSMC-14191	1.11	57.72	3.32	51.2	58	64.0	30.6	831	4.60	10.3	<.1	.3	<.1	44.9	.14	.20	<.02	148	3.19	.044	1.7	111.4	2.78	152.6	.171	2	2.93	.018	.02	<.2	<.02	36	.2	<.02	12.4
GSMC-14172	1.80	2249.72	18.22	88.0	809	25.9	10.6	1022	1.56	.9	.7	.6	3.5	19.8	.99	.33	.95	31	.66	.037	14.8	22.1	.62	217.7	.002	1	.78	.004	.13	2.1	.04	63	1.9	.34	2.8
GSMC-14198	.92	64.38	.82	63.9	34	47.0	27.0	777	4.64	5.4	.1	.3	.2	17.2	.08	.19	<.02	131	1.64	.063	2.4	29.9	1.56	40.7	.350	1	2.52	.030	.04	.2	<.02	13	.5	<.02	10.4
GSMC-14186	.77	125.20	.47	51.5	48	118.9	36.0	721	4.67	1.8	<.1	.3	<.1	33.7	.10	.10	<.02	120	2.80	.050	1.7	254.4	3.04	46.6	.187	3	3.38	.014	<.01	.6	<.02	11	.5	.02	10.1
GSMC-14173	2.66	3.59	1.75	6.2	9	27.2	5.0	367	2.20	.5	.1	.8	1.9	47.7	.01	2.48	.02	23	1.28	.036	6.9	24.9	.93	185.9	.004	<1	.79	.003	.05	.3	.05	96	.1	.04	2.9
GSMC-14190	.50	59.62	2.01	86.6	48	42.4	40.5	1418	7.26	2.5	<.1	<.2	.1	235.7	.12	.08	<.02	230	5.56	.069	3.0	65.5	4.03	99.7	.055	<1	4.31	.003	.06	<.2	.04	19	.4	.03	13.6
GSMC-14185	.94	73.88	1.67	96.5	54	49.5	47.9	1516	8.40	9.7	<.1	<.2	.1	45.4	.13	.09	<.02	289	2.53	.080	4.2	91.3	3.59	44.4	.027	<1	4.11	.006	.01	<.2	<.02	383	1.5	.02	15.0
GSMC-14194	.99	81.85	1.97	58.6	18	38.3	14.7	662	2.16	1.2	.3	.6	4.8	7.6	.01	.05	.17	24	.28	.033	19.0	22.4	.66	96.8	.007	1	1.11	.009	.16	.4	.03	26	.1	.03	5.0
GSMC-14189	.50	68.91	1.05	69.5	43	39.9	35.9	1226	6.34	.7	<.1	.9	.4	193.1	.07	.16	<.02	230	3.16	.084	4.6	76.1	2.69	783.8	.127	<1	2.30	.027	.02	<.2	.03	66	.7	.02	12.6
GSMC-14183	.36	94.13	.40	74.9	40	53.1	59.5	1154	5.47	9.0	.1	.3	.2	137.3	.11	.06	<.02	123	2.97	.053	4.0	55.9	2.66	1541.8	.013	<1	2.46	.018	.06	<.2	<.02	3418	.2	<.02	9.7
GSMC-14195	.39	21.66	.40	68.4	23	24.6	32.9	1005	6.62	1.2	<.1	<.2	.1	14.9	.05	.04	<.02	208	1.74	.071	2.2	5.9	2.23	44.5	.284	1	3.51	.014	.01	.3	<.02	<5	.5	<.02	11.9
GSMC-14181	2.35	10.99	2.96	13.8	19	32.9	9.3	437	1.48	.7	.2	<.2	2.4	18.6	.02	.21	.02	35	.49	.041	9.3	42.7	.77	954.7	.013	<1	.83	.012	.05	.4	<.02	123	.2	.03	4.1
GSMC-14197	.33	58.27	.82	75.3	48	84.6	38.8	1408	6.50	79.3	<.1	1.6	.1	101.9	.05	.31	.02	233	4.63	.062	2.2	209.1	3.50	70.6	.306	1	3.67	.010	.07	1.0	.21	13	.3	.03	11.6
GSMC-14192	2.27	3.66	2.17	5.3	12	19.4	3.6	85	.62	5.5	.3	.3	2.2	22.6	.01	.12	<.02	32	.38	.025	7.7	34.8	.41	108.9	.010	<1	.30	.024	.02	.4	<.02	12	<.1	.02	1.8
GSMC-14174	.77	32.75	.56	39.1	38	30.9	18.3	993	3.98	1.1	.1	<.2	1.0	214.8	.05	.11	<.02	145	3.47	.050	6.2	56.2	2.02	530.2	.016	<1	1.57	.016	.02	.4	<.02	62	.2	.03	6.6
STD S-1	.94	30.17	8.44	51.3	30	12.0	12.3	494	4.20	2.8	.6	1.6	2.5	45.3	.14	.08	.14	159	.50	.044	11.1	38.7	.53	89.1	.341	<1	4.11	.104	.06	<.2	.13	38	.3	.04	9.9
GSMC-14193	.90	29.16	.95	69.1	19	40.9	28.3	882	5.59	2.2	<.1	<.2	[illegible]	16.1	.06	.05	<.02	149	1.80	.087	2.8	59.0	2.16	24.7	.378	<1	3.41	.019	.02	<.2	<.02	12	.3	.02	10.0
GSMC-14184	.68	60.09	1.19	106.5	38	49.6	44.3	1665	8.10	3.2	.1	1.4	.3	154.5	.18	.05	<.02	309	3.77	.082	4.7	87.4	3.71	437.0	.550	<1	3.46	.015	.02	<.2	<.02	29	.8	.03	16.3
GSMC-14188	.33	117.53	.88	71.1	49	60.9	47.7	1567	5.58	12.6	.1	.8	.4	56.0	.13	.06	.02	196	2.60	.062	4.1	231.1	3.74	42.3	.425	<1	3.30	.018	<.01	<.2	<.02	10	.6	.03	12.2
RE GSMC-14188	.32	121.01	.89	72.4	48	60.1	48.5	1579	5.62	12.8	.1	.9	.4	57.3	.13	.06	.02	197	2.61	.063	4.2	232.7	3.77	42.2	.423	<1	3.31	.019	<.01	<.2	<.02	9	.4	.04	12.3
GSMC-14196	.85	72.75	.51	61.8	28	86.7	30.4	784	5.52	2.0	.1	.8	.2	16.5	.10	.23	<.02	149	1.90	.066	1.9	158.2	3.07	9.4	.460	1	3.37	.037	<.01	.4	<.02	9	.2	.02	9.4
SOMR-14442	1.47	59.87	1.34	56.1	18	50.2	19.8	510	3.46	.9	.1	1.0	.1	20.2	.13	.03	<.02	97	1.40	.047	2.1	49.5	1.37	10.2	.343	1	1.84	.074	.01	.6	<.02	14	.2	<.02	6.8
SOMR-14441	.73	61.32	3.20	60.1	34	54.3	20.8	494	3.68	.9	.1	1.5	.1	22.7	.13	.03	.02	96	1.30	.056	2.4	36.6	1.30	7.8	.360	2	1.89	.091	.01	.5	<.02	18	.5	.02	8.0
GSMR-14103	.56	12.16	1.03	42.7	16	27.5	19.1	672	4.50	.8	<.1	.7	.1	5.3	.04	.20	<.02	197	2.55	.067	2.8	26.7	1.28	13.6	.285	3	2.83	.019	<.01	<.2	<.02	9	.6	<.02	11.7
GSMR-14101	.17	87.59	.58	65.8	35	841.4	104.6	1181	7.29	.3	<.1	26.8	<.1	12.0	.05	<.02	<.02	35	.54	.023	.8	107.4	13.11	11.0	.033	31	1.19	.015	.02	<.2	<.02	9	.2	.03	3.0
GSMR-14104	1.43	19.30	2.31	17.1	6	22.5	9.6	233	1.38	.9	.5	9.2	2.5	4.3	.04	.05	<.02	58	1.09	.051	6.2	73.4	.64	11.4	.133	2	1.14	.030	<.01	.4	<.02	9	<.1	<.02	8.5
GSMR-14168	1.22	116.73	15.56	238.6	121	33.9	17.5	679	5.48	4.0	.2	7.1	.2	13.3	.72	.85	.05	156	1.55	.055	1.6	34.2	1.37	54.9	.417	2	2.49	.080	.06	<.2	.04	295	.7	.02	10.1
GSMR-14102	.23	88.48	.45	68.4	39	790.5	99.0	1127	7.12	.2	<.1	3.4	<.1	113.7	.05	<.02	<.02	30	.71	.020	.7	77.9	12.16	107.3	.032	16	1.37	.024	.04	<.2	<.02	7	.2	.03	3.1
GSMR-14105	.70	596.04	.99	71.2	150	1160.4	105.9	1279	8.48	.3	<.1	8.2	<.1	15.4	.10	<.02	.02	26	.31	.019	.6	27.5	13.44	14.7	.024	21	.89	.010	.04	<.2	<.02	5	1.3	.05	2.2
GEBR-14150	.60	23.25	2.18	39.0	44	48.0	29.1	496	5.41	2.8	<.1	2.9	.1	5.1	.07	.63	.06	121	1.85	.069	1.7	62.4	1.51	42.8	.287	1	2.06	.028	.02	.6	<.02	69	2.4	.96	6.6
STANDARD DS2	14.32	129.75	34.32	152.8	256	35.3	12.6	800	3.07	57.6	20.2	192.8	3.7	30.0	10.34	9.40	10.75	81	.57	.088	17.0	163.0	.59	148.3	.098	2	1.66	.030	.16	7.3	2.00	226	2.4	1.78	6.3

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: ROCK R150 400C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 24 2000 DATE REPORT MAILED: Nov 22/00 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GSMC-14189 = Duplicate of GSMC 14175

Data ___ 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
GEBR-14155	.36	13.60	25.41	83.8	87	33.6	3.7	99999	2.96	8.9	.5	88.0	<.1	145.9	.04	.95	.05	35	.22	.060	5.0	2.9	.07	184.6	.020	7	.07	.007	.04	7.4	<.02	182	1.4	.22	4.4
GEBR-14143	.66	156.47	2.01	60.3	57	26.7	39.5	783	6.66	1.3	<.1	1.3	<.1	7.9	.08	.24	<.02	303	1.13	.082	1.9	14.5	1.71	180.0	.364	2	2.63	.021	.03	<.2	.02	5	2.2	.02	9.4
GEBR-14154	1.42	49.36	6.69	68.9	25	38.6	8.2	794	1.95	.7	.3	.9	4.2	5.9	.03	.09	.19	16	.09	.029	14.3	29.5	.92	156.0	.005	1	1.15	.002	.11	2.3	.02	24	.2	.03	3.7
GEBR-14159	3.58	8.02	4.18	11.1	21	14.1	4.2	800	1.03	2.0	.6	1.8	.8	66.0	.03	.33	.06	5	.59	.288	2.7	16.7	.04	59.5	.011	1	.11	.005	.03	.8	<.02	<5	.2	.02	.4
GEBR-14156	.45	77.76	.94	93.0	56	58.2	38.4	1265	7.48	4.7	<.1	1.5	.3	70.1	.10	.10	<.02	235	2.53	.083	4.5	153.7	4.18	57.4	.069	1	4.62	.011	.03	<.2	<.02	10	.5	.02	15.7
GEBR-14144	1.14	14.82	.68	53.7	16	31.5	26.1	686	5.29	.6	<.1	.2	<.1	7.9	.06	.22	<.02	187	.92	.089	3.0	33.9	1.89	285.5	.163	3	2.55	.024	.02	.2	<.02	6	.4	<.02	11.0
GEBR-14151	.68	36.77	1.17	31.5	35	48.4	36.9	400	5.68	2.0	<.1	.8	<.1	4.1	.05	.44	.02	93	1.10	.073	1.9	63.2	1.55	55.3	.254	2	1.76	.039	.04	.6	<.02	39	4.5	.58	5.3
GEBR-14157	3.89	19.78	68.08	54.7	224	22.3	8.4	697	2.58	4.3	.5	1.7	2.0	30.1	.11	.26	.91	3	.43	.074	6.5	17.6	.37	51.8	.006	1	.29	.006	.10	.8	.04	19	.6	.17	.7
GEBR-14153	.86	52.51	4.33	54.6	51	34.4	29.7	550	5.20	1.4	<.1	1.6	<.1	7.9	.08	1.36	.13	93	1.22	.082	2.6	50.2	1.49	61.1	.166	2	2.07	.027	.03	.9	<.02	16	3.1	.06	7.1
GEBR-14145	2.01	62.11	1.62	65.1	35	37.0	28.8	669	5.55	1.0	<.1	.6	.1	6.4	.06	.45	.02	136	1.48	.115	2.5	12.8	2.06	41.7	.270	3	3.01	.025	<.01	.4	<.02	8	.9	<.02	9.6
GEBR-14158	3.54	20.86	40.31	68.1	97	28.7	10.0	899	2.30	7.5	.8	2.8	5.0	9.8	.09	1.08	.27	4	.11	.023	12.2	19.6	.10	250.5	.002	2	.56	.007	.11	6.2	.05	<5	1.5	.06	1.4
PPR-14129	.70	56.23	1.26	65.8	28	33.6	24.9	701	4.69	.6	<.1	.2	.1	9.1	.10	.08	.02	103	1.50	.075	2.3	19.0	1.67	24.8	.294	2	2.83	.029	.02	.5	<.02	<5	.6	.06	7.7
PPR-14107	2.58	29.84	22.72	61.4	113	47.1	17.0	407	6.07	35.3	.7	2.0	1.9	40.7	.10	2.21	.35	23	.10	.158	10.7	22.9	.15	70.7	.003	1	.74	.010	.15	1.8	.07	158	1.1	.14	2.0
PPR-14167	.95	172.00	1.16	63.9	101	30.7	27.2	874	6.28	.9	<.1	1.0	.1	9.6	.15	.34	.03	215	1.73	.071	2.9	14.9	1.77	39.8	.448	4	3.01	.029	.01	.2	<.02	6	.7	.05	13.6
PPR-14171	2.61	156.03	26.31	48.0	82	79.4	20.4	20385	2.28	8.4	.3	4.5	1.4	79.6	.03	.65	.17	40	.16	.029	12.5	19.3	.23	1799.3	.006	2	.54	.005	.07	3.4	.02	34	.5	.12	3.2
PPR-14110	2.13	119.95	1.32	405.7	78	88.3	28.7	684	3.93	.4	<.1	.3	<.1	9.1	2.03	.04	<.02	70	.71	.064	.9	119.9	2.06	20.0	.312	<1	2.07	.025	.01	<.2	<.02	72	.4	.03	4.2
RE PPR-14110	1.99	117.24	1.31	400.8	79	79.6	28.8	681	3.93	.4	<.1	<.2	<.1	9.2	1.99	.05	<.02	71	.74	.062	.9	118.9	2.07	20.3	.327	<1	2.09	.026	.01	<.2	<.02	67	.4	.05	4.2
PPR-14106	16.88	158.38	20.49	62.2	297	10.7	24.9	1044	7.70	.3	.6	.8	3.8	34.2	.13	.42	.15	140	.54	.096	12.0	15.3	1.95	421.1	.281	2	2.36	.017	.18	.6	.08	27	.9	.04	8.6
PPR-14161	8.47	835.39	161.33	2284.9	2124	29.1	18.9	343	16.51	53.0	.3	41.7	<.1	10.1	11.07	5.48	.10	94	.77	.028	<.5	31.3	.60	21.1	.280	<1	1.24	.043	.06	<.2	.60	11296	3.6	.02	11.8
PPR-14127	.94	45.79	1.05	92.2	35	44.0	34.6	1273	6.69	6.4	<.1	1.7	.1	10.3	.14	.17	<.02	243	2.44	.087	3.4	101.6	3.15	46.3	.376	4	4.47	.011	.01	.5	<.02	60	.7	.03	16.5
PPR-14166 S-1	1.03	29.29	8.75	53.1	34	12.1	12.9	492	4.26	3.1	.6	1.6	3.0	48.4	.12	.10	.15	164	.50	.045	12.0	42.7	.55	95.3	.365	<1	4.44	.117	.06	.2	.13	31	.6	.09	10.5
PPR-14165	1.29	153.99	8.30	156.8	93	34.4	20.1	707	5.47	2.5	.2	1.3	.3	11.4	.60	.55	.04	157	1.66	.057	2.5	29.7	1.37	63.1	.386	4	2.76	.048	.03	.2	.03	85	.4	.03	10.4
PPR-14170	2.79	48.19	2.72	191.1	22	293.5	102.7	1906	7.20	3.4	.2	5.9	1.3	18.8	.06	.55	<.02	43	.36	.048	12.1	301.3	1.78	176.9	.179	3	1.98	.007	.20	.6	.02	15	.3	.03	3.8
PPR-14163	1.21	94.97	5.18	126.1	71	29.7	17.6	728	5.90	2.9	.1	4.9	.2	8.8	.46	.94	.04	190	1.65	.059	2.1	34.6	1.42	66.0	.449	3	2.92	.044	.04	<.2	.02	56	.6	.04	11.4
PPR-14126	.34	81.79	.47	46.1	53	375.9	65.2	618	5.74	4.2	.1	4.8	<.1	32.6	.08	.10	<.02	55	.90	.027	1.1	225.9	4.06	127.1	.058	2	2.00	.008	.01	<.2	<.02	20	.3	.03	5.1
PPR-14169	.31	3.81	2.54	95.7	16	111.6	36.3	1073	5.20	4.0	.2	10.7	1.0	10.9	.03	.33	<.02	18	.68	.013	2.4	122.0	1.45	75.6	.146	3	1.35	.009	.24	.2	.02	<5	.1	.02	2.4
PPR-14162	5.86	472.77	83.65	1651.3	946	35.4	18.5	454	11.68	25.2	.4	18.3	.1	7.9	6.29	4.05	.02	129	.98	.045	.9	36.1	.85	27.5	.314	<1	1.73	.035	.04	<.2	.29	6695	2.4	.03	10.9
PPR-14109	1.03	58.21	.89	37.2	60	100.3	39.4	299	3.26	.2	<.1	1.2	<.1	5.1	.06	.21	<.02	37	.70	.070	.8	74.8	.93	190.2	.323	<1	.95	.013	.14	.7	.02	26	.3	<.02	1.6
PPR-14128	.63	56.25	3.74	85.0	166	47.1	29.2	945	5.73	47.8	<.1	1.0	<.1	78.8	.14	1.10	<.02	152	7.04	.072	2.9	69.3	2.44	36.5	.023	<1	3.00	.021	.05	<.2	<.02	85	.6	.04	9.0
PPR-14164	.70	15.28	.46	63.9	33	11.8	21.8	831	5.68	.5	<.1	1.0	<.1	12.6	.06	.30	<.02	203	2.20	.081	3.1	6.6	1.17	34.6	.315	3	2.91	.020	.01	.8	<.02	5	.5	.02	11.9
STANDARD DS2	14.48	127.55	34.99	157.1	267	36.1	12.1	831	3.12	59.4	20.0	198.6	4.0	29.9	10.96	10.08	11.29	76	.54	.089	17.0	164.4	.61	157.9	.093	1	1.73	.030	.16	7.5	1.91	225	2.2	1.90	6.0

Sample type: ROCK R150 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data k FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A004335 Page 1 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GSMC-14175	1.77	.1	.30	.04	1.1	17.4	.5	.50	<.05	4.7	24.06	13.3	.07	2	.4	31.9	30
GSMC-14187	4.03	.1	.37	.07	1.8	16.3	.4	.21	<.05	8.2	15.11	4.8	.05	2	.2	20.3	30
GSMC-14182	1.11	.2	.26	.10	.7	8.5	.3	.03	<.05	6.3	6.78	5.0	.02	<1	.5	55.0	30
GSMC-14191	.19	.2	.18	.03	.7	5.4	.3	.02	<.05	3.0	10.28	4.5	.03	<1	.2	44.3	30
GSMC-14172	.30	.1	.21	<.02	5.1	.6	.2	.37	<.05	7.4	5.01	29.5	.02	<1	.2	11.2	30
GSMC-14198	.65	.2	.19	.05	1.0	3.6	.8	.08	<.05	6.0	13.52	7.0	.03	<1	.2	20.0	30
GSMC-14186	.52	.2	.15	.03	.2	5.9	.4	.10	<.05	2.6	12.75	5.2	.02	2	.3	47.9	30
GSMC-14173	.63	.1	.05	<.02	2.0	1.0	.3	1.14	<.05	1.9	4.92	14.7	<.02	2	.2	8.6	30
GSMC-14190	.23	<.1	.03	.04	2.3	15.6	<.1	.14	<.05	.4	12.28	7.4	.06	<1	.4	80.9	30
GSMC-14185	.16	.1	.03	.03	.4	22.3	.2	.54	<.05	.4	14.25	10.1	.09	2	.2	53.1	30
GSMC-14194	.90	<.1	.07	<.02	5.8	.8	.3	.03	<.05	2.1	9.99	44.5	.02	1	.2	9.1	30
GSMC-14189	1.73	.2	.33	.03	1.0	16.4	.5	.46	<.05	4.3	22.21	12.6	.06	4	.3	31.8	30
GSMC-14183	1.58	.1	.30	.02	2.7	19.5	.5	.05	<.05	3.8	21.78	9.8	.06	2	.5	32.4	30
GSMC-14195	.22	.2	.25	.03	.3	2.6	.2	.01	<.05	4.3	14.68	6.4	.02	<1	.3	15.6	30
GSMC-14181	.36	.1	.06	<.02	1.9	1.4	.3	.11	<.05	1.4	5.68	19.0	<.02	<1	.2	14.1	30
GSMC-14197	.41	.1	.16	.04	2.1	14.9	.4	.09	<.05	2.4	16.14	7.2	.05	<1	.1	49.6	30
GSMC-14192	.13	<.1	.11	.02	.8	1.4	.2	.03	<.05	3.0	4.19	15.7	<.02	<1	.1	5.9	30
GSMC-14174	.45	.1	.07	.02	.6	13.2	.4	.12	<.05	1.1	14.47	14.4	.04	<1	.3	19.2	30
.STD S-1	1.20	.2	.76	.46	4.2	9.0	1.3	<.01	<.05	40.0	13.96	27.2	.05	<1	.9	10.4	30
GSMC-14193	.06	.2	.40	.05	.5	2.9	.6	<.01	<.05	8.9	16.77	8.3	<.02	1	.2	17.3	30
GSMC-14184	1.23	.3	.67	.07	1.2	25.2	1.0	.32	<.05	11.6	24.17	11.7	.09	3	.7	24.9	30
GSMC-14188	.12	.3	.40	.07	.1	8.2	.7	.13	<.05	11.6	13.05	9.4	.04	<1	.4	48.4	30
RE GSMC-14188	.12	.2	.41	.06	.1	7.9	.8	.11	<.05	11.5	13.62	9.6	.04	<1	.4	49.2	30
GSMC-14196	.74	.2	.40	.05	.1	4.8	.6	.02	<.05	14.9	14.86	5.8	.02	1	.2	34.8	30
SDWR-14442	.20	.2	.58	.04	.2	4.1	.6	.09	<.05	24.2	10.82	6.0	<.02	2	.1	3.8	30
SDWR-14441	.25	.2	.58	.04	.2	2.4	.7	.13	<.05	26.1	11.64	6.7	<.02	<1	.1	3.5	30
GSMR-14103	.13	.2	.40	.04	.1	5.0	.6	<.01	<.05	8.7	17.27	7.7	.02	<1	.3	8.6	30
GSMR-14101	.43	.2	.09	.03	.9	4.3	.2	.05	<.05	3.3	2.92	1.9	<.02	<1	<.1	2.2	30
GSMR-14104	.04	.2	.31	.16	.1	3.9	.3	<.01	<.05	7.9	8.29	12.5	<.02	<1	.7	5.7	30
GSMR-14168	.31	<.1	.67	.09	1.4	6.4	13.3	.35	<.05	22.5	12.27	4.8	.07	<1	.3	9.0	30
GSMR-14102	.50	.1	.06	.03	2.3	4.6	.2	.03	<.05	2.4	2.48	1.7	<.02	<1	.1	2.8	30
GSMR-14105	.44	.1	.02	.03	1.0	4.6	.1	.05	<.05	.8	2.21	1.6	<.02	<1	.1	2.1	30
GEBR-14150	.05	.1	.39	.11	.4	4.9	.5	4.12	<.05	8.4	11.43	5.0	<.02	<1	.2	7.5	30
STANDARD DS2	3.40	.1	.05	1.37	13.8	2.6	25.4	.01	<.05	2.9	8.16	31.2	5.51	2	.6	14.7	30

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: ROCK R150 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 24 2000 DATE REPORT MAILED: Nov 22/00 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GSMC-14189 = Duplicate of GSMC 14175

Data ✓ FA ___

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GEBR-14155	<.02	.1	.03	.06	.5	.6	.3	<.01	<.05	.9	5.86	6.3	<.02	10	<.1	<.1	30
GEBR-14143	1.11	.2	.17	.04	1.0	4.1	.4	1.04	<.05	3.2	9.54	5.3	<.02	3	.2	20.8	30
GEBR-14154	.32	<.1	.15	<.02	4.2	1.3	.1	.04	<.05	5.6	3.27	30.5	<.02	<1	.1	19.5	30
GEBR-14159	.07	<.1	.08	.03	1.4	.8	.3	.02	<.05	2.9	7.55	6.0	<.02	2	<.1	1.4	30
GEBR-14156	.14	.3	.05	.03	.9	16.1	.2	<.01	<.05	1.6	9.45	9.9	.06	2	.2	77.2	30
GEBR-14144	.58	.2	.12	.03	.5	5.0	.2	<.01	<.05	1.9	15.55	8.2	<.02	<1	.1	34.2	30
GEBR-14151	.06	.1	.29	.08	.8	3.5	.3	4.27	<.05	6.6	10.40	5.5	<.02	7	.2	11.4	30
GEBR-14157	.20	.1	.11	.02	3.8	1.3	.3	.09	<.05	5.0	5.54	11.3	<.02	2	.1	1.1	30
GEBR-14153	.08	.2	.12	.06	.5	2.3	.2	1.97	<.05	2.1	10.51	7.4	<.02	7	.2	11.8	30
GEBR-14145	.07	.2	.24	.05	.2	3.6	.5	.25	<.05	6.1	19.28	7.6	.02	1	.2	32.8	30
GEBR-14158	.38	.1	.25	<.02	4.7	1.0	.3	.15	<.05	9.6	2.26	22.8	<.02	2	.2	6.3	30
PPR-14129	.12	.2	.27	.05	.6	1.7	.4	.17	<.05	8.1	10.26	6.2	<.02	3	.1	15.2	30
PPR-14107	.58	.1	.13	<.02	5.5	2.3	.2	.32	<.05	7.3	6.04	19.8	.02	2	.1	11.3	30
PPR-14167	.54	.2	.35	.04	.3	6.7	1.3	.12	<.05	9.9	18.36	8.5	.05	2	.3	11.7	30
PPR-14171	.25	.1	.08	<.02	2.3	1.7	.2	.04	<.05	4.3	7.14	14.5	.02	1	.2	7.6	30
PPR-14110	.02	.1	.24	.04	.2	2.7	.3	.52	<.05	6.3	5.50	2.6	<.02	3	.1	11.9	30
RE PPR-14110	.02	.1	.24	.03	.2	2.7	.2	.55	<.05	7.1	5.57	2.6	<.02	4	.2	12.4	30
PPR-14106	1.23	.2	.26	.14	7.7	4.4	.4	.23	<.05	7.6	11.91	21.7	.02	11	.3	43.6	30
PPR-14161	.13	.5	.52	.08	1.2	4.8	116.4	11.33	<.05	16.8	4.37	1.4	1.47	17	.1	3.9	30
PPR-14127	.19	.3	.31	.04	.2	15.8	.8	.04	<.05	5.6	20.33	8.7	.05	2	.6	31.0	30
PPR-14166 S-1	1.30	.2	.68	.39	4.4	8.3	1.4	<.01	<.05	38.8	14.23	29.3	.05	2	.8	10.5	30
PPR-14165	.31	.1	.58	.06	.8	5.1	2.7	.07	<.05	17.8	14.07	5.6	.05	2	.4	11.3	30
PPR-14170	.54	.1	.25	.30	3.8	4.1	.4	<.01	<.05	7.3	3.80	16.9	<.02	1	.8	33.1	30
PPR-14163	.35	.1	.49	.10	1.0	5.5	2.3	.05	<.05	14.5	12.84	6.0	.04	3	.3	11.5	30
PPR-14126	.47	.2	.07	<.02	.3	2.6	.1	<.01	<.05	2.2	5.11	2.4	<.02	<1	.1	8.6	30
PPR-14169	2.03	.1	.25	.14	3.2	4.9	.3	<.01	<.05	5.4	2.24	9.1	<.02	<1	.7	20.6	30
PPR-14162	.19	.3	.61	.13	.9	4.4	52.9	6.47	<.05	18.0	7.06	2.6	.77	20	.1	6.5	30
PPR-14109	.06	.1	.23	.11	1.7	2.0	.3	1.24	<.05	4.1	5.91	2.6	<.02	<1	.1	7.1	30
PPR-14128	.47	.1	.02	.02	1.3	16.6	.7	.28	<.05	.4	11.06	7.7	.05	1	.4	54.8	30
PPR-14164	.52	.2	.35	.04	.4	4.1	.3	<.01	<.05	8.8	17.01	9.0	<.02	2	.4	6.5	30
STANDARD DS2	3.44	.1	.05	1.35	13.4	3.1	25.8	.03	<.05	2.9	7.88	30.9	5.58	1	.6	13.9	30

Sample type: ROCK R150 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data F FA

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

WHOLE ROCK ICP ANALYSIS

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A004335 Page 1 (c)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GSMC-14175	50.92	13.72	10.49	5.15	5.15	4.94	.25	1.95	.17	.18	.017	2249	31	32	6.8	1.38	.53	100.00
GSMC-14187	44.85	13.37	10.20	5.08	10.37	3.50	.12	1.41	.09	.23	.017	3367	40	38	10.2	2.02	.22	99.82
GSMC-14182	48.70	16.43	6.79	7.36	9.70	3.94	.07	.77	.05	.18	.056	563	99	27	5.9	.55	<.01	100.03
GSMC-14191	47.79	14.73	9.49	7.33	8.58	4.23	.07	1.36	.13	.17	.032	272	77	35	5.9	.74	<.01	99.86
GSMC-14172	83.48	5.66	2.85	1.59	.98	.08	1.41	.35	.05	.15	.012	1889	23	7	2.2	.33	.38	99.03
GSMC-14198	49.48	14.83	10.35	6.83	9.18	3.78	.38	1.71	.18	.19	.037	329	65	37	3.0	.10	.05	100.00
GSMC-14186	47.41	14.93	9.23	8.24	9.27	3.59	.04	1.37	.14	.15	.068	156	130	40	5.5	.47	.09	99.98
GSMC-14173	82.31	4.35	3.80	1.97	1.92	.05	.62	.30	.05	.05	.012	1973	24	9	4.3	.43	1.29	99.96
GSMC-14190	45.65	11.74	11.88	7.54	8.37	.59	.58	1.97	.18	.20	.016	427	42	38	11.1	1.94	.13	99.87
GSMC-14185	50.89	13.13	13.50	6.66	3.75	1.55	.07	2.25	.15	.21	.019	143	80	43	7.8	.94	.63	100.01
GSMC-14194	78.48	9.45	3.96	1.61	.43	1.26	1.84	.66	.06	.10	.012	895	36	14	1.9	.07	.02	99.87
GSMC-14189	50.39	13.50	10.62	5.10	5.10	4.88	.24	1.97	.23	.18	.017	2234	32	32	6.8	1.39	.51	99.28
GSMC-14183	48.85	14.97	9.31	5.26	4.42	4.11	.52	1.65	.08	.16	.025	2546	49	45	10.3	1.18	.01	99.95
GSMC-14195	46.68	14.52	13.07	6.79	8.79	3.37	.08	2.42	.15	.21	.007	143	36	34	3.8	.13	<.01	99.91
GSMC-14181	85.59	5.00	2.58	1.72	.89	1.20	.44	.36	.07	.06	.013	1997	30	9	1.6	.16	.11	99.75
GSMC-14197	47.05	14.02	10.52	6.52	7.54	2.67	.74	1.76	.14	.20	.039	412	65	38	8.7	1.45	.07	99.96
GSMC-14192	90.24	3.86	1.08	.84	.59	1.60	.14	.25	.01	.01	.015	487	<20	6	1.1	.24	.01	99.79
GSMC-14174	61.32	9.97	6.45	3.77	5.35	3.01	.34	1.18	.11	.14	.015	2621	20	23	7.9	1.71	.13	99.85
.STD S-1	53.60	18.19	8.63	2.52	4.02	3.00	1.21	1.37	.11	.14	.013	353	21	23	7.2	.70	.02	100.05
GSMC-14193	47.81	15.22	11.60	6.52	9.57	3.10	.12	2.16	.18	.21	.021	99	36	38	3.4	.06	.01	99.93
GSMC-14184	46.89	12.91	13.27	7.03	6.44	3.40	.06	2.23	.18	.24	.018	542	28	43	6.8	1.02	.40	99.54
GSMC-14188	50.47	14.04	10.08	8.10	4.93	4.35	<.04	1.53	.20	.25	.037	67	54	39	5.8	.66	.14	99.83
RE GSMC-14188	50.37	14.01	10.09	8.20	4.99	4.33	<.04	1.52	.14	.25	.040	69	59	39	5.9	.66	.15	99.88
GSMC-14196	42.98	15.31	12.80	8.63	11.31	1.99	<.04	2.20	.22	.20	.047	36	86	46	4.0	.06	.05	99.74
SDWR-14442	51.04	13.64	11.05	6.82	10.18	2.94	.21	1.89	.12	.21	.028	53	77	36	1.6	.04	.10	99.75
SDWR-14441	51.13	13.81	11.02	6.57	10.08	3.16	.16	1.88	.17	.20	.033	37	67	36	1.6	.02	.13	99.83
GSMR-14103	51.51	14.04	10.45	5.07	9.46	3.70	.06	1.98	.15	.17	.012	43	30	33	3.1	.03	<.01	99.72
GSMR-14101	39.90	3.68	13.67	30.74	3.19	.26	.05	.55	.08	.21	.088	18	1058	14	7.4	.02	.04	99.96
GSMR-14104	81.88	6.75	2.63	1.44	2.42	2.42	<.04	.37	.12	.04	.016	38	46	9	1.5	.04	<.01	99.61
GSMR-14168	49.82	14.04	12.52	5.60	7.55	3.59	.43	2.00	.14	.17	.021	189	49	33	3.9	.12	.48	99.81
GSMR-14102	40.12	4.82	13.22	28.65	4.46	.30	.08	.53	.09	.21	.073	127	977	14	6.3	.02	.05	98.99
GSMR-14105	40.26	3.37	15.47	31.16	3.02	.25	.07	.47	.12	.24	.039	25	1404	13	5.0	.01	.09	99.65
GEBR-14150	49.66	14.05	10.45	5.38	8.62	3.46	.25	1.84	.16	.15	.023	156	54	35	6.0	.02	5.09	100.07
STANDARD SO-15/CSB	49.78	12.29	7.30	7.26	5.87	2.41	1.84	1.78	2.70	1.39	1.060	1983	81	12	5.9	2.44	5.31	99.81

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: ROCK R150 40C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 24 2000 DATE REPORT MAILED: Nov 22/00 SIGNED BY: C. Leong. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GSMC-14189 = Duplicate of GSMC-14175

Data ✓ FA ___

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GEBR-14155	76.45	.26	4.44	.20	.37	.05	.07	.02	.07	13.69	.006	158	38	1	4.7	.04	.05	100.35
GEBR-14143	44.77	13.22	15.60	6.61	9.70	2.67	.16	3.20	.22	.23	.011	490	36	47	3.8	.02	1.29	100.26
GEBR-14154	82.09	7.76	3.47	2.06	.13	.05	1.83	.47	.07	.11	.017	1547	59	11	2.1	.14	.02	100.34
GEBR-14159	93.59	1.15	1.68	.10	.87	.05	.28	.08	.59	.10	.007	84	<20	2	.9	.03	.01	99.41
GEBR-14156	48.76	14.74	13.09	8.16	3.90	2.48	.32	1.78	.22	.18	.030	257	61	40	5.8	.73	.05	99.50
GEBR-14144	50.21	14.17	12.35	6.65	7.24	4.17	.10	2.17	.20	.20	.017	571	54	40	2.9	.07	<.01	100.45
GEBR-14151	50.24	14.01	10.39	6.11	6.99	3.67	.52	1.76	.22	.13	.032	355	133	36	6.0	.02	5.03	100.13
GEBR-14157	82.13	6.86	4.25	.80	.63	.15	1.76	.21	.18	.09	.009	265	32	6	2.8	.60	.12	99.90
GEBR-14153	49.41	14.68	11.06	6.51	8.95	3.51	.25	1.87	.24	.17	.022	202	33	39	3.4	.07	2.64	100.10
GEBR-14145	49.26	15.24	11.14	6.22	8.25	4.49	.04	2.61	.29	.16	.010	114	46	39	2.6	.03	.30	100.33
GEBR-14158	81.38	9.15	3.75	.37	.16	.15	2.33	.39	.07	.11	.012	651	29	7	2.4	.06	.19	100.35
PPR-14129	49.99	14.55	11.26	6.73	9.59	3.13	.19	1.79	.20	.18	.023	81	55	37	2.6	.01	.20	100.25
PPR-14107	67.89	10.55	9.42	.52	.14	1.38	1.94	1.94	.42	.05	.022	570	51	13	5.7	1.01	.36	100.04
PPR-14167	49.80	15.05	12.25	5.41	7.12	4.57	.14	1.93	.18	.17	.016	93	41	35	3.7	.04	.14	100.36
PPR-14171	87.01	2.71	3.54	.50	.23	.03	.49	.14	.06	2.69	.008	2860	79	4	2.2	.10	<.01	99.94
PPR-14110	49.24	14.64	11.17	7.18	9.48	3.68	.12	1.60	.18	.18	.037	82	77	37	2.6	.01	.60	100.13
RE PPR-14110	49.32	14.70	11.17	7.16	9.47	3.74	.12	1.61	.15	.18	.037	82	74	36	2.7	.01	.60	100.38
PPR-14106	50.05	15.71	13.96	5.46	2.59	4.90	1.77	.89	.22	.18	.008	2409	<20	25	4.4	.07	.27	100.41
PPR-14161	43.00	7.98	23.02	3.22	5.41	.97	.45	1.32	.09	.10	.017	158	<20	22	13.3	.06	14.16	98.90
PPR-14127	48.55	15.58	11.76	6.50	7.80	2.64	.06	1.98	.18	.20	.023	73	41	41	5.0	.04	.04	100.29
PPR-14166 S-1	53.72	18.60	8.75	2.35	3.88	3.03	1.20	1.28	.13	.13	.016	348	29	23	7.1	.64	.01	100.23
PPR-14165	51.37	14.33	11.92	5.29	7.92	3.66	.30	1.86	.18	.16	.021	179	53	34	3.3	.07	.12	100.34
PPR-14170	52.08	15.70	14.75	4.06	1.99	.65	4.32	1.62	.13	.28	.480	866	277	26	4.5	.07	<.01	100.70
PPR-14163	50.31	14.50	12.60	5.04	7.33	3.70	.32	1.89	.16	.16	.018	175	59	32	4.4	.17	.05	100.46
PPR-14126	46.43	4.98	13.84	17.28	6.39	.31	.05	.60	.10	.17	.084	129	457	15	9.9	.06	<.01	100.21
PPR-14169	49.82	17.85	12.73	3.98	2.01	2.10	5.50	1.95	.06	.17	.054	741	128	32	4.3	.16	<.01	100.63
PPR-14162	45.10	10.33	21.39	3.52	5.69	2.31	.29	1.36	.09	.11	.022	148	<20	24	9.8	.11	8.96	100.03
PPR-14109	50.64	13.30	9.59	8.49	8.09	2.63	2.01	1.55	.13	.15	.035	1604	119	35	3.9	.06	1.48	100.71
PPR-14128	47.10	13.31	9.38	4.46	10.42	2.83	.68	1.60	.17	.13	.019	272	72	33	10.2	2.19	.37	100.34
PPR-14164	50.00	14.89	12.50	3.85	9.38	3.28	.10	2.09	.20	.19	.007	66	<20	25	3.6	.03	<.01	100.10
STANDARD SO-15/CSB	49.24	12.91	7.27	7.28	5.81	2.54	1.86	1.66	2.66	1.38	1.061	1995	67	12	5.9	2.41	5.37	99.80

Sample type: ROCK R150 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A004335 Page 1 (d)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
GSMC-14175	37.5	2.1	18.0	3.6	4.3	7.3	2	406.1	.4	.9	<.1	.3	405	<1	133.1	40.4	7.0	19.5	2.90	16.0	5.2	1.49	5.95	1.11	7.29	1.60	4.67	.61	4.19	.69
GSMC-14187	48.0	9.0	18.0	2.3	6.5	5.1	1	1295.5	.6	.5	<.1	.2	372	<1	79.8	27.3	5.4	13.4	2.04	10.2	3.3	1.22	3.82	.69	4.70	1.07	3.19	.38	2.76	.46
GSMC-14182	36.2	1.4	13.9	1.3	9.6	3.5	1	213.5	.8	.8	<.1	.2	234	1	40.6	12.5	6.0	12.8	1.50	6.6	1.6	.89	1.96	.34	2.30	.47	1.47	.19	1.30	.20
GSMC-14191	37.3	<.1	19.8	2.0	2.4	2.7	2	152.7	.3	.1	<.1	<.1	300	<1	69.1	25.1	3.1	9.5	1.61	7.7	2.8	1.35	3.56	.66	4.35	.96	2.81	.37	2.53	.41
GSMC-14172	8.9	1.9	8.3	2.9	5.4	57.5	1	20.9	.6	4.8	.2	2.1	130	4	101.3	17.5	19.0	42.5	4.59	17.6	3.8	.65	3.51	.47	3.18	.67	2.04	.24	1.90	.30
GSMC-14198	38.8	1.1	18.6	2.9	3.1	7.7	2	322.9	.3	.3	<.1	<.1	381	<1	108.3	34.1	4.5	13.9	2.27	11.5	4.4	1.40	5.03	.93	5.59	1.31	3.82	.49	3.39	.54
GSMC-14186	44.2	1.0	16.3	2.6	2.3	2.7	1	202.0	.2	.2	.3	<.1	311	2	85.6	27.3	3.6	11.1	1.77	9.4	3.4	1.15	4.22	.76	4.84	1.07	3.17	.37	2.82	.45
GSMC-14173	4.6	1.9	7.4	2.1	3.5	24.5	2	51.5	.6	3.6	1.1	1.0	47	3	77.3	14.4	13.7	31.3	3.55	13.9	3.0	.60	2.93	.44	2.97	.55	1.68	.20	1.55	.28
GSMC-14190	37.5	1.0	17.4	3.0	6.0	25.8	1	243.8	.5	.6	.1	.2	405	1	102.8	34.3	6.0	16.3	2.55	12.6	4.6	1.49	5.33	.94	5.73	1.37	3.88	.47	3.41	.57
GSMC-14185	46.1	.5	18.0	3.3	6.7	3.7	2	87.0	.6	.6	.7	.2	451	<1	114.4	40.4	6.4	17.7	2.68	14.1	4.7	1.85	5.70	1.04	6.71	1.56	4.56	.57	4.16	.66
GSMC-14194	14.5	3.2	16.6	6.1	10.0	67.7	3	26.5	1.0	8.6	.7	2.3	76	4	225.2	21.3	25.3	66.8	6.37	24.1	4.9	1.10	4.31	.68	4.16	.90	2.72	.33	2.52	.42
GSMC-14189	36.3	1.9	18.4	3.4	4.0	7.1	2	376.5	.4	.8	<.1	.4	361	<1	127.5	38.9	6.4	18.6	2.91	14.3	4.9	1.33	5.85	.99	6.54	1.51	4.40	.56	3.84	.62
GSMC-14183	56.0	3.0	17.5	2.3	4.6	19.7	2	274.9	.4	.3	<.1	.2	356	<1	80.1	26.1	4.2	11.3	1.75	9.4	3.6	1.20	3.97	.70	4.72	1.10	3.09	.40	2.71	.44
GSMC-14195	42.1	.5	18.0	3.2	3.0	3.6	1	118.5	.3	.3	<.1	<.1	534	<1	109.2	35.1	4.1	13.1	2.25	11.8	5.0	1.28	5.23	.93	6.16	1.31	4.07	.56	3.47	.59
GSMC-14181	8.5	1.0	8.6	2.4	4.1	19.1	1	37.6	.4	3.9	<.1	1.0	67	2	87.9	14.7	12.0	27.8	3.12	12.6	2.9	.55	2.70	.41	2.63	.56	1.77	.22	1.67	.28
GSMC-14197	35.3	1.2	14.9	2.7	1.9	21.5	1	190.4	.2	.2	.1	.1	341	5	90.3	32.3	3.2	10.8	1.85	10.4	3.7	1.15	4.62	.87	5.52	1.26	3.68	.43	3.21	.56
GSMC-14192	3.5	.1	4.4	1.9	3.2	6.4	<1	39.1	.4	3.1	<.1	.9	58	1	71.3	10.3	9.8	23.0	2.52	9.6	2.2	.45	1.95	.28	1.95	.43	1.26	.16	1.20	.20
GSMC-14174	19.3	.7	12.1	2.8	3.9	7.8	1	305.3	.4	1.8	<.1	.6	229	2	104.2	26.3	7.5	19.1	2.66	12.1	3.7	.97	4.21	.69	4.76	1.03	3.03	.35	2.77	.45
.STD S-1	18.4	2.6	23.1	5.4	7.8	40.7	2	342.7	.6	5.4	.1	1.5	220	<1	196.6	29.3	19.9	49.2	5.81	24.4	5.8	1.69	5.32	.85	5.14	1.13	3.42	.44	3.21	.48
GSMC-14193	38.4	<.1	21.4	3.9	4.1	3.0	2	177.6	.4	.4	<.1	.2	414	<1	142.2	44.0	5.8	18.6	2.93	15.6	4.9	2.03	6.62	1.17	7.65	1.75	5.03	.67	4.45	.66
GSMC-14184	46.1	1.6	19.9	3.7	6.8	3.7	2	240.4	.5	.6	<.1	.3	455	<1	118.6	43.9	6.8	19.0	2.79	15.4	5.2	2.20	6.45	1.12	7.15	1.70	4.88	.66	4.11	.70
GSMC-14188	54.3	.3	17.4	2.7	7.1	1.2	1	111.5	.6	.8	<.1	.5	297	<1	94.5	24.0	7.1	16.7	2.52	11.9	3.5	1.40	3.88	.72	4.22	.97	2.73	.33	2.34	.36
RE GSMC-14188	56.6	.2	17.1	2.8	7.0	1.3	1	115.5	.6	1.0	<.1	.5	300	<1	97.4	24.5	7.0	17.1	2.55	12.9	3.5	1.48	4.20	.70	4.69	.94	2.83	.31	2.29	.38
GSMC-14196	43.5	1.0	17.9	3.7	3.8	2.2	2	100.3	.3	.3	<.1	.1	425	<1	130.9	41.6	4.8	16.0	2.67	14.3	5.2	1.85	6.04	1.05	7.07	1.61	4.80	.62	4.19	.65
SDWR-14442	37.4	.3	17.1	3.1	2.6	3.3	2	173.0	.3	.2	<.1	.2	357	1	111.2	35.5	4.3	13.6	2.24	11.5	4.2	1.68	5.22	.90	6.02	1.42	4.05	.52	3.56	.57
SDWR-14441	37.7	.4	18.9	3.3	2.4	3.7	2	191.2	.2	.2	<.1	.2	361	<1	110.5	36.3	4.4	13.4	2.19	12.1	4.5	1.66	5.03	.90	6.08	1.45	4.11	.51	3.73	.55
GSMR-14103	32.9	.5	19.8	3.2	2.4	3.0	2	59.4	.2	.3	<.1	<.1	406	<1	113.6	38.2	4.6	14.2	2.37	12.1	4.2	1.64	5.58	1.05	6.58	1.49	4.28	.53	3.87	.65
GSMR-14101	115.6	.6	5.6	1.0	1.3	2.9	<1	18.8	<.1	<.1	<.1	<.1	101	<1	30.7	9.5	1.4	4.1	.67	3.4	1.3	.43	1.47	.27	1.57	.38	1.12	.14	1.03	.17
GSMR-14104	10.0	.2	12.8	2.2	3.9	1.8	1	17.4	.4	3.5	<.1	1.3	67	<1	82.6	14.4	13.1	28.7	3.48	13.4	3.4	.85	2.73	.40	2.53	.52	1.58	.18	1.46	.24
GSMR-14168	29.0	.7	21.0	3.5	3.0	10.4	16	132.1	.3	.6	<.1	.8	394	<1	124.1	36.5	5.7	17.0	2.47	12.7	4.0	1.46	5.16	.93	6.34	1.43	4.17	.54	3.87	.62
GSMR-14102	117.8	.4	6.5	.9	1.1	3.7	<1	159.0	<.1	<.1	<.1	<.1	105	<1	33.2	10.2	1.4	3.8	.67	3.4	1.2	.45	1.57	.25	1.83	.37	1.21	.15	1.03	.17
GSMR-14105	132.2	.4	4.7	.8	1.0	2.5	<1	42.1	<.1	.1	.1	<.1	90	<1	28.3	8.6	1.3	3.6	.56	2.9	1.0	.34	1.16	.20	1.35	.28	.95	.11	.86	.16
GEBR-14150	34.9	.3	17.5	3.4	3.6	5.9	<1	82.2	.3	.5	.1	.2	344	<1	122.2	37.1	5.3	16.5	2.54	14.2	4.3	1.46	5.58	.99	6.42	1.41	4.15	.55	3.82	.59
STANDARD SO-15	19.9	3.0	17.2	25.7	29.5	63.3	18	403.5	1.9	22.5	1.1	20.2	175	19	1052.1	21.2	26.8	54.3	5.84	21.7	4.7	1.00	3.82	.55	3.71	.76	2.42	.33	2.37	.40

GROUP 4B - REE - LiBO2 FUSION, ICP/MS FINISHED.
- SAMPLE TYPE: ROCK R150 40C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 24 2000 DATE REPORT MAILED: Nov 22/00 SIGNED BY: D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GSMC 14189 = Duplicate of GSMC-14175

Data ✓ FA ___

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
GEBR-14155	3.6	<.1	13.9	<.5	<.5	1.4	<1	132.8	<.1	.1	<.1	.7	83	12	4.9	7.0	5.9	8.2	1.03	4.8	.9	.34	1.09	.17	1.18	.24	.82	.11	.66	.11
GEBR-14143	50.2	1.5	24.0	3.3	2.7	3.8	2	132.3	.3	.2	<.1	.1	954	<1	111.0	42.8	4.8	14.4	2.37	13.8	4.6	1.67	5.62	1.08	7.11	1.42	4.60	.62	4.12	.59
GEBR-14154	8.0	2.1	13.0	3.5	6.2	77.0	2	10.3	.6	6.7	.1	1.6	97	5	129.7	15.8	19.6	43.6	4.10	16.8	3.1	.67	2.86	.43	2.87	.50	1.78	.25	1.77	.27
GEBR-14159	4.0	.5	2.0	<.5	1.0	12.3	<1	71.5	.1	1.2	<.1	.9	14	1	12.1	10.5	4.4	9.8	1.26	6.5	2.2	.65	2.87	.53	2.84	.39	1.02	.11	.66	.08
GEBR-14156	39.1	.5	19.4	4.3	8.8	11.0	2	113.6	.7	1.5	.3	.7	370	1	142.7	40.9	9.4	22.7	3.14	15.8	4.5	1.09	5.50	1.05	6.97	1.36	4.48	.62	4.12	.61
GEBR-14144	39.1	.7	19.5	4.0	3.9	2.4	2	179.1	.3	.3	.1	.2	426	<1	143.3	47.2	6.5	18.4	2.85	15.7	5.0	1.70	6.17	1.22	7.69	1.53	4.85	.69	4.64	.66
GEBR-14151	30.9	.5	14.8	3.3	3.0	11.0	1	89.3	.2	.3	<.1	.2	352	1	116.0	38.0	5.5	16.0	2.37	13.1	4.0	1.66	4.96	.93	6.26	1.26	3.98	.56	3.74	.55
GEBR-14157	8.0	3.0	8.8	1.1	3.0	84.5	3	52.5	.4	5.3	.4	1.4	33	2	36.8	12.9	17.7	32.8	3.60	14.2	3.0	.67	2.89	.49	2.67	.46	1.33	.18	1.14	.18
GEBR-14153	33.6	.3	18.6	3.4	3.4	5.2	<1	170.4	.3	.4	<.1	.2	350	2	125.0	38.5	5.9	16.2	2.45	13.4	4.3	1.59	5.14	.98	6.27	1.26	4.17	.58	3.93	.57
GEBR-14145	36.3	.2	15.4	5.6	5.1	1.3	2	107.3	.4	.3	.4	.2	396	1	188.5	54.3	6.9	20.9	3.29	18.0	5.9	1.93	7.23	1.42	9.12	1.85	6.08	.87	5.66	.82
GEBR-14158	9.4	3.8	12.9	3.9	6.9	102.1	3	34.2	.7	9.9	.5	2.1	45	9	128.7	14.9	26.9	52.8	5.54	21.9	3.8	.77	3.26	.48	2.73	.47	1.60	.22	1.44	.22
PPR-14129	38.4	.3	18.5	3.7	3.6	4.3	2	175.7	.3	.3	<.1	.2	349	<1	132.9	41.5	6.2	17.3	2.56	14.3	4.7	1.60	5.40	1.01	6.38	1.34	4.32	.58	3.90	.57
PPR-14107	16.0	4.0	15.3	6.1	33.0	97.2	3	85.5	2.2	7.9	.1	2.9	171	6	236.3	39.1	48.2	98.4	10.96	45.8	8.9	2.11	6.77	1.10	6.44	1.15	3.64	.45	2.90	.40
PPR-14167	35.6	.8	20.6	3.6	2.8	3.0	2	138.7	.2	.3	<.1	.2	375	<1	132.6	47.3	5.4	16.2	2.52	14.2	4.7	1.60	5.68	1.13	7.10	1.44	4.83	.66	4.48	.65
PPR-14171	20.1	.7	7.9	.9	2.6	21.8	2	95.9	.2	2.3	<.1	.8	99	6	36.8	17.0	14.4	18.8	3.20	13.8	2.9	.70	2.87	.45	2.80	.54	1.82	.25	1.68	.26
PPR-14110	36.9	<.1	18.4	3.3	2.9	1.2	2	226.3	.2	.3	<.1	.2	295	5	117.1	38.5	5.3	15.2	2.21	12.6	4.0	1.47	4.98	.96	6.16	1.25	3.99	.54	3.70	.52
RE PPR-14110	35.8	<.1	18.3	3.4	3.0	1.2	2	233.1	.2	.2	<.1	.2	288	3	122.8	39.3	5.4	15.5	2.29	12.5	4.0	1.45	4.94	.96	5.99	1.21	3.98	.56	3.69	.53
PPR-14106	25.3	2.2	18.6	2.4	4.4	39.5	2	227.1	.3	5.0	<.1	1.9	272	1	80.3	25.1	21.3	41.2	5.12	22.8	5.4	1.48	4.94	.80	4.42	.81	2.43	.33	2.18	.30
PPR-14161	7.9	.3	29.6	2.4	1.9	9.2	173	315.7	.1	.3	.1	1.1	187	<1	86.9	19.8	3.0	8.7	1.30	7.0	2.1	.88	2.61	.49	3.09	.62	2.03	.28	1.89	.29
PPR-14127	40.9	.3	24.7	4.3	4.0	1.1	5	53.9	.3	.3	<.1	.2	317	1	154.6	47.7	6.9	19.1	2.93	16.4	5.2	1.77	6.23	1.19	7.40	1.48	4.85	.67	4.46	.67
PPR-14166 S-1	19.1	2.6	23.6	6.0	8.0	40.7	4	333.8	.6	5.8	.1	1.6	177	<1	205.3	30.9	20.5	55.3	5.95	25.5	5.8	1.66	5.18	.89	5.24	1.01	3.29	.47	3.29	.50
PPR-14165	32.8	.5	19.4	4.0	3.2	7.0	7	153.0	.2	.6	<.1	.7	308	<1	139.4	43.4	6.7	17.6	2.67	15.0	4.6	1.65	5.64	1.08	6.79	1.38	4.51	.62	4.26	.60
PPR-14170	118.3	4.0	17.0	3.2	59.5	93.4	3	190.1	3.7	4.1	.1	.8	140	2	119.9	11.9	30.8	58.3	6.27	25.1	4.8	1.36	3.74	.55	3.37	.56	1.85	.24	1.81	.28
PPR-14163	29.9	.6	20.1	3.7	3.1	7.3	5	120.5	.3	.5	<.1	.3	288	<1	131.9	39.7	5.9	16.5	2.34	12.8	4.4	1.44	4.94	1.00	6.19	1.27	4.26	.59	4.14	.59
PPR-14126	96.3	.6	7.6	1.4	1.2	1.3	2	46.5	<.1	.2	<.1	.2	113	<1	48.7	16.7	2.1	5.7	.92	5.0	1.6	.52	1.98	.39	2.43	.50	1.70	.24	1.63	.24
PPR-14169	48.7	7.4	16.3	3.1	59.6	95.5	2	60.7	3.6	3.3	.3	1.0	85	<1	116.0	12.1	13.0	57.3	3.07	12.6	2.9	1.17	2.63	.48	2.69	.48	1.50	.20	1.40	.19
PPR-14162	26.8	.5	23.2	2.8	2.4	6.9	99	205.0	.2	.4	.2	1.0	191	<1	99.4	27.8	4.2	11.6	1.66	9.0	2.9	1.09	3.50	.70	4.35	.89	2.92	.40	2.77	.41
PPR-14109	39.3	.9	15.1	3.1	3.0	28.1	2	116.5	.2	.3	.1	.1	201	1	116.1	37.3	4.9	14.5	2.20	11.8	4.0	1.32	4.83	.93	5.83	1.15	3.88	.53	3.63	.52
PPR-14128	31.5	1.4	16.0	3.2	3.3	20.8	3	164.6	.3	.3	.1	.1	193	2	116.0	37.3	5.5	15.5	2.23	12.3	4.1	1.28	4.70	.91	5.69	1.17	3.83	.54	3.49	.51
PPR-14164	33.4	.7	22.8	4.2	3.0	2.2	2	212.2	.3	.2	<.1	.1	253	2	148.4	48.6	5.8	18.0	2.63	14.9	5.2	1.82	6.10	1.20	7.46	1.54	5.01	.69	4.79	.69
STANDARD SO-15	20.8	2.6	16.0	26.1	32.9	65.0	17	389.1	1.9	22.2	.9	20.7	151	20	1013.5	21.8	29.3	57.5	6.31	22.6	4.6	1.04	3.80	.60	3.64	.72	2.35	.34	2.46	.40

Sample type: ROCK R150 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ___ FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-[illegible] FAX(604)[illegible] 171
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A004335 Page 1 (e)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
GSMC-14175	.8	70	<3	75	44	<2	.2	<1	<1
GSMC-14187	1.2	97	<3	79	47	<2	<.2	1	<1
GSMC-14182	1.0	70	<3	49	127	2	.3	<1	<1
GSMC-14191	1.2	61	3	70	89	2	.3	<1	<1
GSMC-14172	2.0	2188	16	91	28	<2	.3	<1	1
GSMC-14198	.9	67	<3	78	73	2	.4	<1	<1
GSMC-14186	1.3	128	<3	62	145	<2	.5	<1	<1
GSMC-14173	3.2	3	<3	7	28	<2	.2	5	<1
GSMC-14190	1.0	61	<3	94	50	<2	.3	<1	<1
GSMC-14185	1.3	83	<3	106	56	3	<.2	1	<1
GSMC-14194	1.5	83	<3	69	43	<2	<.2	1	<1
GSMC-14189	.8	72	<3	75	45	<2	<.2	1	<1
GSMC-14183	1.0	94	<3	80	59	6	.2	1	<1
GSMC-14195	.6	18	<3	81	35	<2	<.2	1	<1
GSMC-14181	2.6	9	<3	15	36	<2	<.2	1	<1
GSMC-14197	.5	59	<3	81	94	30	<.2	1	<1
GSMC-14192	2.5	4	<3	6	21	3	<.2	1	<1
GSMC-14174	1.1	35	<3	43	34	<2	.2	1	1
.STD S-1	1.8	34	11	78	13	<2	.2	1	<1
GSMC-14193	1.4	27	<3	85	54	<2	<.2	<1	<1
GSMC-14184	.7	60	<3	114	56	<2	.3	<1	<1
GSMC-14188	<.5	119	<3	82	70	9	.3	1	<1
RE GSMC-14188	.5	120	<3	81	69	8	.3	1	<1
GSMC-14196	1.3	77	<3	83	109	2	<.2	2	<1
SDWR-14442	2.2	65	<3	86	85	2	.3	<1	<1
SDWR-14441	<.5	62	3	86	82	<2	.3	1	<1
GSMR-14103	.5	9	<3	59	44	<2	<.2	2	<1
GSMR-14101	.6	89	<3	74	1060	<2	.2	<1	<1
GSMR-14104	1.8	19	<3	17	26	<2	.2	1	<1
GSMR-14168	1.5	115	15	263	52	3	.7	2	<1
GSMR-14102	.5	93	<3	78	996	<2	<.2	<1	<1
GSMR-14105	1.3	610	<3	80	1420	<2	.3	<1	1
GEBR-14150	1.0	27	<3	55	59	<2	.2	1	<1
STANDARD CT3	26.9	63	38	181	39	59	22.8	23	22
STANDARD G-2	2.0	3	22	54	7	<2	<.2	<1	<1

GROUP 1EX - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: ROCK R150 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 24 2000 DATE REPORT MAILED: Nov 22/00 SIGNED BY. C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GSMC14184 = Duplicate of GSMC-14175

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
GEBR-14155	<.5	16	15	77	28	6	.6	1	<1
GEBR-14143	.7	158	<3	71	40	<2	.3	<1	<1
GEBR-14154	1.6	53	6	76	43	<2	<.2	1	<1
GEBR-14159	4.2	8	4	12	14	<2	.2	1	<1
GEBR-14156	<.5	79	<3	104	68	3	.3	<1	<1
GEBR-14144	1.2	12	<3	72	50	<2	.2	<1	<1
GEBR-14151	<.5	36	<3	44	62	<2	.3	<1	<1
GEBR-14157	4.5	18	71	60	23	2	.3	1	<1
GEBR-14153	1.0	50	4	59	47	<2	<.2	1	<1
GEBR-14145	2.3	61	<3	78	49	<2	<.2	<1	<1
GEBR-14158	3.9	20	42	75	31	9	.3	2	<1
PPR-14129	.7	54	<3	83	57	<2	.4	<1	<1
PPR-14107	3.0	31	24	70	54	38	<.2	4	<1
PPR-14167	.8	176	<3	74	48	<2	.3	<1	<1
PPR-14171	1.4	142	24	49	71	6	.2	1	<1
PPR-14110	2.7	117	3	414	91	<2	2.2	<1	<1
RE PPR-14110	2.0	120	3	419	91	<2	2.1	<1	<1
PPR-14106	19.0	171	20	87	9	<2	<.2	<1	1
PPR-14161	12.4	825	160	2084	35	13	11.1	19	<1
PPR-14127	.9	45	<3	99	50	6	.3	<1	<1
PPR-14166 S-1	1.7	35	12	82	15	<2	<.2	<1	<1
PPR-14165	1.8	156	7	174	53	<2	.7	<1	<1
PPR-14170	3.7	50	<3	273	296	12	.3	<1	<1
PPR-14163	1.4	96	5	144	47	2	.4	1	<1
PPR-14126	.7	86	<3	81	523	4	.3	<1	1
PPR-14169	.8	1	4	128	133	8	<.2	<1	<1
PPR-14162	8.0	478	92	1690	48	9	6.9	8	<1
PPR-14109	1.4	57	<3	86	122	<2	.2	<1	<1
PPR-14128	.6	59	3	89	50	23	.3	4	1
PPR-14164	<.5	12	<3	78	16	<2	<.2	<1	<1
STANDARD CT3	27.9	65	40	182	39	63	24.0	25	24
STANDARD G-2	2.3	3	20	51	7	<2	.2	<1	<1

Sample type: ROCK R150 40C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data___ FA ___

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A004396 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

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
GEBR-14131	385.63	82577.96	142.96	53.7	9112	72.6	196.7	77	33.76	110.1	<.1	154.1	<.1	<.5	.33	9.42	22.54	40	.40	.018	<.5	23.8	.10	2.1	.038	<1	.44	.011	.02	4.2	1.59	250	28.2	.95	25.6
GEBR-14135	7.58	201.50	6.31	4.1	47	24.5	35.4	24	2.15	13.4	.2	2.0	1.9	2.1	.02	.68	.67	10	.06	.010	3.5	13.9	.05	98.6	.072	2	.19	.003	.15	.6	.05	11	5.4	.30	1.7
GEBR-14132	381.08	99999.00	150.85	92.0	11839	78.7	185.1	81	33.82	93.2	<.1	171.5	<.1	1.3	.97	7.56	23.63	47	.46	.035	<.5	32.6	.15	3.7	.061	<1	.52	.002	.03	4.3	2.58	318	26.1	.68	37.9
GEBR-14130	304.49	96438.48	118.55	79.9	8960	44.8	203.2	67	31.81	93.6	<.1	173.1	<.1	.9	.73	8.48	16.48	44	.45	.029	<.5	25.5	.12	2.0	.033	<1	.48	.002	.02	1.4	1.94	251	33.1	1.18	28.0
GEBR-14133 S-1	1.12	30.97	8.22	51.7	42	12.9	14.2	449	4.00	3.1	.6	<.2	2.9	47.4	.09	.08	.11	163	.48	.047	11.7	40.7	.53	87.9	.359	2	4.07	.116	.06	<.2	.15	31	.3	.03	10.6
GEBR-14136	34.37	685.89	1.77	15.0	131	7.5	10.4	50	40.11	42.6	1.0	1.5	<.1	3.3	.04	.74	.06	103	.27	.003	11.8	7.2	.23	75.3	.006	2	.30	.017	.01	2.2	.02	9	3.1	<.02	47.6
GEBR-14134	99.67	925.58	13.11	8.7	525	60.3	1345.5	<1	31.49	99.7	<.1	8.0	.1	<.5	.02	7.10	11.66	7	<.01	.001	<.5	9.9	.01	3.1	.018	<1	.07	.001	.06	.9	.19	312	203.8	9.11	.9
RE GEBR-14134	95.57	906.74	13.73	8.8	507	59.8	1304.2	<1	30.54	96.1	<.1	11.9	.2	<.5	.04	7.01	12.28	7	<.01	.001	<.5	11.5	.01	2.7	.018	<1	.06	.001	.06	.9	.21	317	202.1	8.83	.8
STANDARD DS2	14.72	131.29	32.11	159.8	273	37.1	12.4	785	3.04	57.4	20.5	198.5	3.9	29.8	10.17	9.15	11.27	80	.57	.093	16.6	169.8	.61	152.0	.095	2	1.67	.031	.16	7.1	1.90	221	2.2	1.94	6.2

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: ROCK R150 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 31 2000 **DATE REPORT MAILED:** Nov 23/00 **SIGNED BY** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ 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 2398 File # A004396 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
GEBR-14131	.07	.3	.08	.33	.4	1.2	122.5	27.33	<.05	1.0	1.39	1.7	3.38	128	<.1	<.1	30
GEBR-14135	.52	<.1	.12	.37	4.9	1.2	3.8	1.19	<.05	2.9	3.93	9.1	<.02	13	<.1	.6	30
GEBR-14132	.16	.6	.03	.50	.8	1.6	133.6	27.16	<.05	1.0	2.19	1.9	5.75	93	.2	1.1	30
GEBR-14130	.08	.4	<.02	.55	.5	1.0	107.5	23.74	<.05	.6	1.47	1.9	4.12	142	.2	<.1	30
GEBR-14133 S-1	1.34	.2	.81	.41	4.7	7.5	1.3	<.01	<.05	38.3	14.93	28.8	.05	<1	1.1	11.6	30
GEBR-14136	1.32	1.8	<.02	.12	.4	.6	31.7	.16	<.05	.5	1.84	21.2	<.02	3	2.5	1.9	30
GEBR-14134	.12	1.1	.06	.68	2.5	.4	4.9	31.04	<.05	1.5	.14	.3	.03	337	<.1	<.1	30
RE GEBR-14134	.12	1.1	.06	.69	2.5	.4	5.3	32.06	<.05	1.5	.15	.4	.02	385	<.1	<.1	30
STANDARD DS2	3.37	.1	.06	1.39	13.9	2.8	26.2	.02	<.05	3.0	8.28	31.1	5.46	<1	.7	15.1	30

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: ROCK R150 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 31 2000 **DATE REPORT MAILED:** Nov 23/00 **SIGNED BY.** C. Leong ..D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ 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

WHOLE ROCK ICP ANALYSIS

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A004396 (c)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
GEBR-14131	16.68	1.35	46.88	.27	1.08	.07	<.04	.10	.03	.01	.011	84	<20	1	22.6	.12	36.66	89.12
GEBR-14135	85.62	5.17	3.88	.53	.14	.07	1.88	.27	.07	.01	.006	1068	<20	7	2.4	.04	1.49	100.17
GEBR-14132	14.74	1.48	46.38	.30	1.06	.03	.13	.13	.06	.01	.015	145	20	1	21.7	.18	34.31	86.05
GEBR-14130	17.07	1.50	45.52	.27	1.22	.03	.05	.10	.05	.01	.014	118	<20	1	21.8	.16	34.69	87.65
GEBR-14133 S-1	53.60	18.93	8.53	2.43	3.98	3.03	1.15	1.42	.18	.13	.010	360	<20	23	7.0	.65	.01	100.43
GEBR-14136	8.23	.91	87.57	.62	.66	.08	<.04	.05	<.01	<.01	.010	78	<20	<1	1.5	.02	.21	99.67
GEBR-14134	19.06	1.05	51.91	.12	.02	.03	.47	.04	.02	<.01	.010	348	<20	<1	27.2	.01	40.98	99.97
RE GEBR-14134	19.18	1.04	51.62	.11	.02	.02	.48	.04	<.01	<.01	.007	344	<20	1	27.2	.01	40.42	99.76
STANDARD SO-15/CSB	49.80	12.80	7.30	7.26	5.87	2.41	1.93	1.79	2.70	1.39	1.059	2012	79	12	5.9	2.42	5.13	100.45

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: ROCK R150 40C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 31 2000 **DATE REPORT MAILED:** Nov 23/00 **SIGNED BY** ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ 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 2398 File # A004396 (d)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
GEBR-14131	127.1	.2	39.6	<.5	.7	2.1	2	8.0	<.1	.4	<.1	.3	42	4	11.7	3.3	2.0	3.6	.58	2.5	.6	.18	.58	.08	.57	.11	.36	<.05	.34	.05
GEBR-14135	31.3	1.8	14.1	1.8	3.7	54.0	10	9.0	.4	2.9	.2	.8	57	2	55.9	9.0	9.0	24.2	2.36	8.8	2.0	.35	1.63	.28	1.72	.32	1.04	.15	1.11	.18
GEBR-14132	110.7	.3	51.3	<.5	.8	3.7	<1	8.7	<.1	.4	<.1	.4	52	3	12.8	3.8	2.9	4.7	.75	3.2	.7	.22	.69	.11	.72	.14	.46	.05	.43	.06
GEBR-14130	123.5	.2	44.5	<.5	.9	2.0	<1	11.9	<.1	.5	<.1	.4	52	1	12.6	3.6	3.0	5.0	.76	3.1	.8	.23	.66	.11	.65	.13	.41	<.05	.40	.05
GEBR-14133 S-1	17.7	2.2	21.0	5.4	7.5	37.7	4	334.4	.6	4.8	.2	1.4	170	<1	164.3	26.9	19.9	45.9	5.73	23.7	5.5	1.67	4.65	.79	4.71	.95	2.99	.39	2.87	.42
GEBR-14136	12.4	1.5	54.6	<.5	.5	1.5	41	5.9	<.1	<.1	.1	1.5	105	5	2.1	2.8	18.3	32.9	3.23	10.4	1.8	.99	1.12	.13	.85	.14	.41	<.05	.33	.04
GEBR-14134	416.8	.3	3.4	<.5	1.0	13.9	<1	2.1	<.1	.3	<.1	.2	36	<1	12.1	.6	.5	.8	.08	<.4	<.1	<.05	.06	<.01	.09	<.05	.09	<.05	.14	.02
RE GEBR-14134	398.9	.3	3.1	<.5	1.0	13.8	<1	2.2	<.1	.3	<.1	.2	36	<1	11.7	.6	.5	.9	.08	<.4	<.1	<.05	<.05	<.01	.07	<.05	.08	<.05	.16	.02
STANDARD SO-15	22.9	2.8	17.5	27.6	32.8	68.1	18	409.3	2.0	23.1	1.3	20.4	147	23	1031.5	23.0	29.7	58.2	6.48	26.1	4.9	.95	3.94	.63	3.85	.76	2.48	.35	2.58	.41

GROUP 4B - REE - LiBO2 FUSION, ICP/MS FINISHED.
- SAMPLE TYPE: ROCK R150 40C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 31 2000 **DATE REPORT MAILED:** Nov 23/00 **SIGNED BY.....** D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data / 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 2398 File # A004396 (e)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
GEBR-14131	406.5	85965	136	74	30	5	<.2	21	20
GEBR-14135	8.3	214	6	<2	26	14	<.2	3	<1
GEBR-14132	405.7	99999	135	112	53	4	<.2	17	21
GEBR-14130	401.7	99999	119	89	36	5	.3	17	17
GEBR-14133 S-1	2.0	60	12	70	15	7	<.2	1	<1
GEBR-14136	47.6	817	<3	27	<1	37	.2	2	12
GEBR-14134	135.0	1045	17	3	62	11	.2	11	18
RE GEBR-14134	134.1	1023	17	4	63	10	.2	10	17
STANDARD CT3	27.1	70	38	181	38	64	22.3	24	23
STANDARD G-2	1.9	7	20	53	7	3	<.2	1	1

GROUP 1EX - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: ROCK R150 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 31 2000 **DATE REPORT MAILED:** Nov 23/00 **SIGNED BY** C.T ..D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ____

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

ASSAY CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A004396R

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: Gerry Bidwell

SAMPLE#	Mo %	Cu %	Pb %	Zn %	Ag gm/mt	Ni %	Co %	Mn %	Fe %	As %	Sr %	Cd %	Sb %	Bi %	Ca %	P %	Cr %	Mg %	Al %	Na %	K %	W %	Hg %
GEBR-14131	.038	8.340	.02	.01	7.7	.003	.016	.01	33.48	.01	<.001	<.001	<.001	<.01	.45	.001	.001	.09	.38	.07	.10	<.001	<.001
GEBR-14135	.001	.020	<.01	<.01	<.3	.004	.003	<.01	2.39	<.01	<.001	<.001	<.001	<.01	.08	.016	.002	.07	.53	.04	.35	<.001	<.001
GEBR-14132	.038	10.346	.02	.01	10.8	.002	.014	.01	32.94	.01	<.001	<.001	<.001	<.01	.55	<.001	.001	.13	.47	.04	.05	<.001	<.001
GEBR-14130	.037	9.250	.02	.01	8.9	.004	.016	.01	32.35	.01	<.001	<.001	.001	<.01	.60	<.001	.001	.11	.48	.07	.05	<.001	.001
GEBR-14133 S-1	<.001	.006	<.01	.01	<.3	.001	.002	.05	4.52	<.01	.006	<.001	.002	<.01	.57	.056	.004	.56	4.25	.21	.08	<.001	.001
GEBR-14136	.006	.079	<.01	<.01	<.3	<.001	<.001	.01	62.50	.01	<.001	<.001	<.001	<.01	.34	.001	<.001	.26	.38	.05	.03	<.001	<.001
GEBR-14134	.013	.102	<.01	<.01	1.2	.004	.149	<.01	36.83	.01	<.001	<.001	.001	<.01	<.01	<.001	.001	.02	.17	.07	.18	<.001	<.001
RE GEBR-14134	.013	.103	<.01	<.01	1.2	.003	.149	<.01	37.04	.01	<.001	<.001	.002	<.01	.01	<.001	.001	.03	.21	.05	.21	.001	<.001
STANDARD R-1	.088	.842	1.26	2.18	99.6	.024	.024	.08	6.64	.89	.028	.043	.156	.03	1.32	.121	.026	.93	.91	.25	.43	.004	.001

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
- SAMPLE TYPE: ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 1 2000 DATE REPORT MAILED: Dec 8/00 SIGNED BY: ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ 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 2398 File # A005002 (a)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: GEOFF MULLIGAN

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
LOT004-69.4M	.61	21.24	6.30	30.3	13	51.7	12.3	658	2.12	<.1	.3	1.5	4.7	11.3	.01	.09	.10	34	.74	.024	15.9	40.0	.78	85.7	.003	1	1.06	.004	.17	<.2	.03	8	.1	.02	4.9
LOT002-17.4M	3.71	51.46	6.89	15.3	46	30.7	3.3	3795	1.95	1.5	<.1	36.3	.4	34.3	.01	.52	.21	6	.36	.006	3.1	18.5	.13	206.9	.002	<1	.10	.002	.03	1.1	.06	128	.9	.12	.6
LOT004-130M	3.30	49.54	3.63	78.3	23	55.4	18.8	2815	1.80	14.6	.2	1.3	5.1	76.4	.01	.10	.28	11	.34	.066	18.0	31.6	.43	556.0	.002	4	.44	.005	.19	<.2	.06	77	.3	.13	1.6
.STD S-1	.93	27.86	9.18	53.7	34	13.6	12.4	446	4.25	2.0	.6	2.4	3.0	45.5	.06	.07	.15	168	.44	.044	11.3	42.0	.50	82.5	.368	<1	3.94	.098	.06	<.2	.13	39	.3	.03	10.8
LOT002-29.5M	2.90	40.98	3.94	25.5	45	24.8	2.6	640	1.68	1.5	.1	3.3	.9	12.6	<.01	.55	.14	12	.25	.008	4.4	18.4	.42	300.5	.003	1	.49	.001	.07	.6	.08	208	.4	.05	2.1
LOT004-77M	1.40	32.68	.69	22.0	9	36.3	7.5	306	1.66	1.7	.4	1.2	4.0	78.8	.02	.12	.03	31	1.70	.025	10.1	79.8	.60	9.8	.188	1	.83	.028	<.01	1.3	<.02	<5	<.1	<.02	4.2
LOT002-18.6M	.87	912.00	24.85	106.7	160	175.6	39.8	13146	6.43	5.3	.2	5.1	3.5	66.0	.03	1.77	.34	51	.81	.033	11.5	23.3	1.65	248.8	.005	4	1.96	.004	.16	<.2	.06	125	.5	.23	8.8
RE LOT002-18.6M	.94	923.05	24.44	108.1	171	191.3	40.4	13300	6.51	5.6	.2	4.9	3.4	70.5	.03	1.76	.32	52	.82	.032	12.3	22.8	1.68	238.4	.005	4	1.97	.004	.16	<.2	.06	128	.5	.21	8.4
STANDARD DS2	13.37	129.23	32.68	156.6	253	31.6	11.3	795	3.21	54.7	18.5	209.9	3.7	26.9	10.18	8.95	10.61	78	.49	.086	14.7	164.8	.57	141.8	.088	1	1.56	.027	.15	6.7	1.78	226	2.2	1.90	6.0

GROUP 1F30 - 30.00 GM SAMPLE, 180 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 600 ML, ANALYSIS 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: CORE P150 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 14 2000 DATE REPORT MAILED: Jan 5/2001 SIGNED BY .....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data 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 2398 File # A005002 (b)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: GEOFF MULLIGAN

SAMPLE#	Cs ppm	Ge ppm	Hf ppm	Nb ppm	Rb ppm	Sc ppm	Sn ppm	S %	Ta ppm	Zr ppm	Y ppm	Ce ppm	In ppm	Re ppb	Be ppm	Li ppm	Sample gm
LOT004-69.4M	.66	.1	.05	<.02	5.9	1.5	.6	.02	<.05	1.7	6.06	43.9	<.02	<1	.3	8.0	30
LOT002-17.4M	.14	<.1	<.02	.03	1.1	.8	.2	.85	<.05	.4	1.52	4.5	.02	<1	.1	1.4	30
LOT004-130M	1.04	<.1	.08	<.02	8.1	1.9	.2	.07	<.05	3.2	4.80	47.0	.02	<1	.2	4.1	30
.STD S-1	1.18	.1	.75	.47	4.5	7.8	1.3	<.01	<.05	40.2	14.29	29.8	.05	<1	.7	11.3	30
LOT002-29.5M	.17	<.1	.04	<.02	2.9	1.0	.2	.31	<.05	1.7	1.57	10.2	<.02	<1	.1	4.4	30
LOT004-77M	.04	.1	.17	.26	.2	2.7	.8	<.01	<.05	4.3	6.82	25.3	<.02	1	.1	5.3	30
LOT002-18.6M	.81	.1	.07	.02	6.3	4.3	.3	.80	<.05	2.8	8.94	18.2	.08	<1	.4	29.3	30
RE LOT002-18.6M	.86	.1	.08	.02	6.6	4.3	.3	.79	<.05	3.0	9.39	18.7	.08	<1	.5	30.8	30
STANDARD DS2	3.09	.1	.05	1.36	12.5	2.8	25.0	.01	<.05	3.1	7.65	28.8	5.21	<1	.5	14.5	30

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: CORE P150 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 14 2000 DATE REPORT MAILED: Jan 5/2001 SIGNED BY ....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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

WHOLE ROCK ICP ANALYSIS

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A005002 (c)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: GEOFF MULLIGAN

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sc ppm	LOI %	TOT/C %	TOT/S %	SUM %
LOT004-69.4M	81.76	6.81	3.49	1.84	1.16	.35	1.59	.46	.09	.09	.016	767	82	11	2.5	.25	<.01	100.25
LOT002-17.4M	92.51	.99	2.73	.31	.55	.05	.28	.01	.03	.52	.009	703	50	2	2.0	.32	.98	100.07
LOT004-130M	79.62	7.71	3.03	1.43	.53	.09	2.33	.52	.12	.39	.021	4898	62	11	3.8	.65	.10	100.15
.STD S-1	53.60	18.93	8.53	2.43	3.98	3.03	1.15	1.42	.18	.13	.010	360	<20	23	7.0	.65	.01	100.43
LOT002-29.5M	90.01	2.69	2.63	1.00	.39	.03	.61	.14	.04	.09	.007	1653	48	6	2.0	.16	.39	99.83
LOT004-77M	76.79	8.00	2.93	1.21	4.26	2.77	.06	.54	.06	.05	.022	38	57	11	2.8	.49	<.01	99.50
LOT002-18.6M	62.45	10.00	10.51	3.46	1.30	.08	1.77	.58	.16	2.06	.016	3482	191	15	7.1	1.08	1.06	99.90
RE LOT002-18.6M	62.62	9.98	10.21	3.46	1.31	.02	1.78	.58	.14	2.06	.014	3461	178	16	7.1	1.10	1.05	99.69
STANDARD SO-15/CSB	49.60	12.12	7.30	7.26	5.87	2.41	1.67	1.78	2.70	1.39	1.061	1995	78	12	5.9	2.39	5.30	99.30

GROUP 4A - 0.200 GM SAMPLE BY LIBO2 FUSION, ANALYSIS BY ICP-ES. LOI BY LOSS ON IGNITION.
TOTAL C & S BY LECO. (NOT INCLUDED IN THE SUM)
- SAMPLE TYPE: CORE P150 40C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 14 2000 **DATE REPORT MAILED:** Jan 5/2001 **SIGNED BY.** .....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data /-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 2398 File # A005002 (d)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: GEOFF MULLIGAN

SAMPLE#	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sn ppm	Sr ppm	Ta ppm	Th ppm	Tl ppm	U ppm	V ppm	W ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm
LOT004-69.4M	14.9	2.2	13.0	4.0	7.6	54.4	3	21.6	.8	7.1	.3	1.6	101	1	157.6	14.3	18.7	53.7	4.80	18.5	3.5	.71	3.49	.49	3.06	.61	1.82	.25	1.93	.30
LOT002-17.4M	4.2	.4	3.0	<.5	1.2	9.5	<1	44.0	.2	.9	.3	.3	18	2	19.7	6.0	6.0	8.9	1.53	6.6	1.3	.21	1.45	.17	1.25	.25	.71	.08	.69	.11
LOT004-130M	23.8	3.8	15.8	3.3	8.5	100.5	1	103.4	.8	8.4	.4	1.8	62	2	140.5	20.0	22.2	60.3	5.45	21.0	4.5	.39	4.25	.59	4.19	.85	2.42	.31	2.63	.38
.STD S-1	17.7	2.2	21.0	5.4	7.5	37.7	4	334.4	.6	4.8	.2	1.4	187	<1	164.3	26.9	19.9	45.9	5.73	23.7	5.5	1.67	4.65	.79	4.71	.95	2.99	.39	2.87	.42
LOT002-29.5M	3.5	.8	5.8	.8	2.6	25.2	<1	18.1	.3	2.7	.2	.6	19	1	44.2	9.0	9.4	23.3	2.52	9.7	2.2	.13	2.01	.26	2.04	.43	1.28	.18	1.32	.20
LOT004-77M	10.4	.1	14.8	5.4	9.9	1.3	2	439.7	.9	8.6	.1	2.2	39	2	211.6	20.6	22.2	57.9	5.75	22.9	4.6	1.21	4.13	.60	4.22	.83	2.59	.34	2.52	.37
LOT002-18.6M	46.8	3.1	23.6	3.3	9.8	71.4	1	85.6	.7	8.6	.3	1.5	107	3	138.9	29.3	39.9	62.9	9.48	38.3	7.4	1.46	6.13	.92	5.97	1.23	3.87	.46	3.84	.55
RE LOT002-18.6M	45.7	3.0	24.4	3.2	9.9	69.4	2	86.8	.9	8.3	.3	1.6	103	3	139.0	29.7	37.9	60.7	9.01	34.3	7.1	1.55	6.21	.83	6.25	1.26	3.80	.51	3.86	.60
STANDARD SO-15	23.0	2.8	18.9	24.6	31.6	64.4	17	441.9	1.9	27.0	1.2	21.8	148	19	1152.0	23.2	29.7	62.1	6.56	24.6	4.9	1.03	4.43	.60	4.26	.84	2.69	.33	2.77	.44

GROUP 4B - REE - LiBO2 FUSION, ICP/MS FINISHED.
- SAMPLE TYPE: CORE P150 40C
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 14 2000 DATE REPORT MAILED: Jan 5/2001 SIGNED BY.. J.W. ..D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

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(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Hudson Bay Expl. & Dev. Co. Ltd. PROJECT 2398 File # A005002 (e)

800 - 700 W. Pender St., Vancouver BC V6C 1G8 Submitted by: GEOFF MULLIGAN

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm
LOT004-69.4M	.8	21	<3	33	56	<2	<.2	1	<1
LOT002-17.4M	4.7	54	7	16	27	<2	<.2	1	<1
LOT004-130M	4.5	53	<3	80	59	12	<.2	2	<1
.STD S-1	2.0	60	12	70	15	7	<.2	1	<1
LOT002-29.5M	3.7	43	3	30	18	<2	<.2	3	<1
LOT004-77M	1.9	34	<3	22	34	<2	<.2	<1	<1
LOT002-18.6M	<.5	960	22	129	198	<2	<.2	5	<1
RE LOT002-18.6M	<.5	920	21	132	194	<2	<.2	4	1
STANDARD CT3	27.2	69	40	181	39	65	24.2	24	22
STANDARD G-2	1.3	3	18	49	6	<2	<.2	1	<1

GROUP 1EX - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-ES.
- SAMPLE TYPE: CORE P150 40C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 14 2000 **DATE REPORT MAILED:** Jan 5/2001 **SIGNED BY** .....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

Appendix V

SURFICIAL GEOLOGY, EUREKA PROPERTY

By

Roger Paulen

Surficial Geology
Hudson Bay Exploration Eureka Claim Block

Wells, B.C.

Roger C. Paulen
June 19, 2000

Introduction

The property is located north of Wells, between the Bowron and Willow river valleys, and extends north past Slender Lake (parts of NTS 93H/3, H/4, H/5 and H/6). The property includes Two Sisters Mountain, at the northernmost extension of the Palmer Range, within the northwest part of the Caribou Mountains. A study was initiated to interpret and map out the distribution of surficial sediments and to document regional and local variations of the Cordilleran Ice Sheet. The results of the mapping, in turn, are to support regional and local till sampling programs and to apply drift geochemistry methods to find the up-ice source of the copper-rich boulders found at the Lottie, Bow and Tow float showings.

Background

Several times during the Pleistocene, British Columbia was covered by an interconnected mass of valley glaciers and mountain ice sheets, collectively known as the Cordilleran Ice Sheet (Flint, 1971). The mountain systems remained the major source areas of glaciers and ice flow was controlled by topography (Fig. 1). However, as ice thickened to form ice domes, radial flow occurred away from their centres. In central British Columbia, glaciers flowed eastward from the Coast Mountains and westward from the Caribou Mountains to merge over the Interior Plateau (Fig. 2) (Fulton, 1971; Tipper, 1971; Clague, 1981).

Each glacial cycle terminated with rapid deglaciation with complex frontal retreat in peripheral glacial areas and by downwasting accompanied by widespread stagnation throughout much of the interior (Fulton, 1967, Tipper, 1971, Clague, 1989). In central British Columbia, the ice front retreated and several glacial lakes formed in the valleys and adjacent plateau surfaces. Regional evidence suggests that the British Columbia interior became deglaciated about 11 ± 1 ka BP (Clague, 1980, 1981) and deglaciation was well advanced, if not complete, by 10 ka BP.

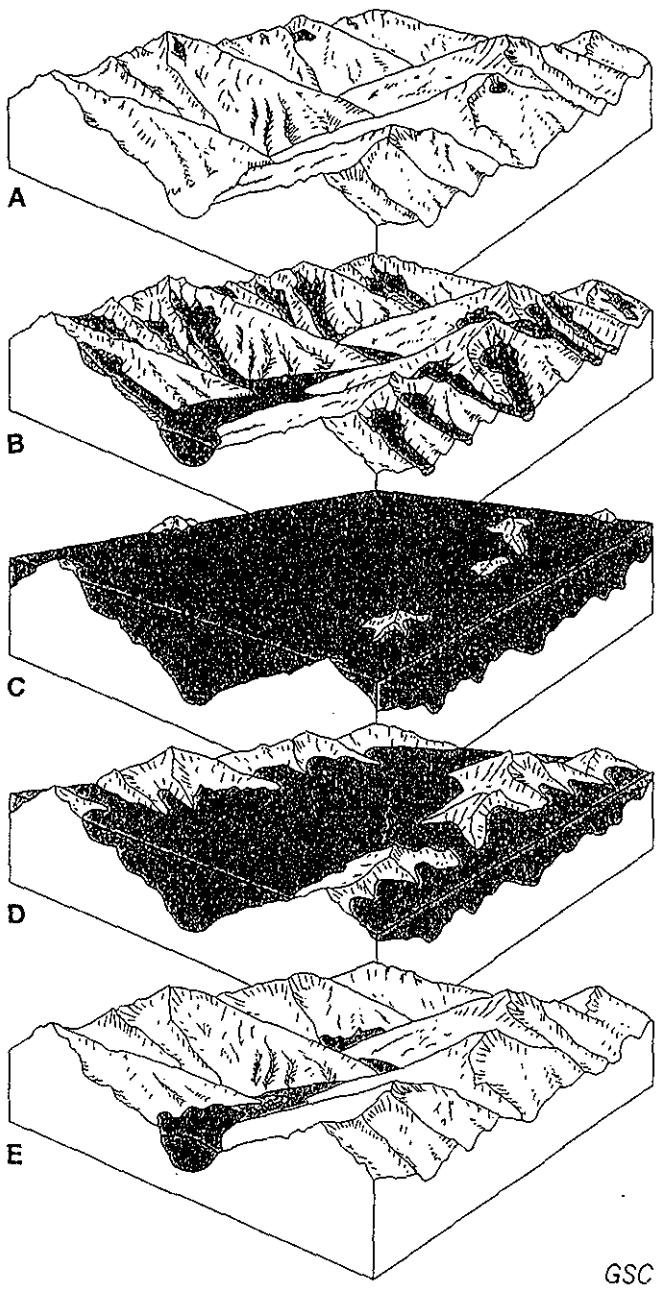

Fig. 1. Growth and decay of the Cordilleran Ice Sheet. **A.** Mountain glaciation at the beginning of a glacial event. **B.** Development of a network of valley glaciers. **C.** Coalescence of valley and piedmont lobes to form an ice sheet. **D.** Decay of ice sheet by downwasting, upland areas are deglaciated before valleys. **E.** Residual dead ice masses confined to valleys (from Clague, 1989, p. 42).

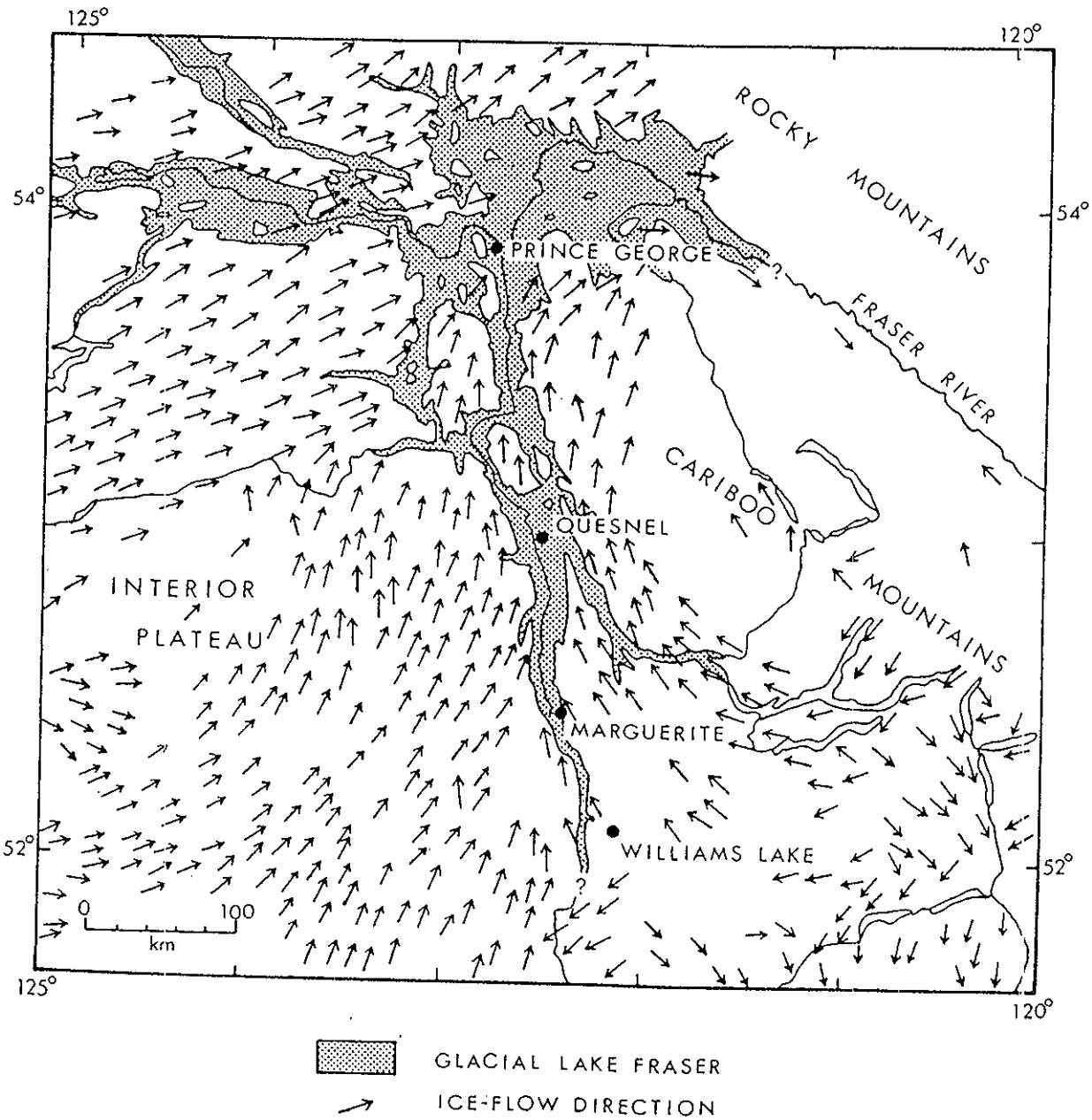

Fig. 2. Map showing the late Wisconsinan ice-flow directions and glacial Lake Fraser that formed in central British Columbia. Ice flow directions from Tipper (1971) and Clague (1987).

There was intense erosion and paraglacial fluvial aggradation in the valleys during the early Holocene. Rapid sedimentation occurred in the glacial lakes and as these drained, modern drainage patterns established in their present valleys. Rivers then became to incise their valley fills, producing terraces.

Methods

Work on the property consisted of three components:

1. Mapping the nature and distribution of the surficial sediments.
2. Recognition of landforms and striations in the region to confirm and outline the local and regional ice flow history.
3. Outlining and discussing the properties and nature of the surficial sediments at the property and their implications for continuing drift prospecting.

Access to the property is excellent. There is an extensive network of logging roads on the slopes and plateaus. Some of the areas are only accessible by all terrain vehicles due to recent alder growth on the older roads and Forest Renewal British Columbia (FRBC) efforts to protect watersheds in the region. Fieldwork was conducted with 4-wheel drive vehicles and all terrain vehicles. In some cases, traverses were completed on foot where access was blocked or non-existent.

Ground truthing observations were noted on 1:50 000 and 1:20 000 airphotos. Key stations were noted at sites of striations, outcrop or elevation control points at areas of glaciofluvial activity maximum (former terrace limits). Identification and recognition of various facies of sediments deposited during and following the last glaciation were conducted both within the property and along its margins, up to 3 km from property boundaries. Generally, comments about till thickness, its texture and properties were noted for the benefit of the sampling crew. This information was later used to aid in airphoto interpretation of the surficial geology and the information was transferred to a map at 1:20,000 scale.

Recognition of landforms was first interpreted from airphotos and confirmed with the identification of several large landforms such as rock-cored drumlins, craig and tail

features and glacial striations. This included observing these landforms outside the claim block to provide a regional sense of ice-flow that affected the area.

Surficial deposits

Several types of surficial deposits were observed in the region including: ground moraine (basal and ablation till), colluvial, glaciofluvial, glaciolacustrine, fluvial, organic and anthropogenic. General observations suggest the hills and plateaus are mainly covered by combinations of till and colluvium, whereas glaciofluvial glaciolacustrine and fluvial sediments occur mainly in the valleys. A 1:20 000 scale map accompanies this report.

Till

Throughout the region, the bedrock topography is mantled by various amounts of massive, very poorly sorted matrix-supported diamicton. Deposits range in thickness from thin (<1 metre) veneers to thick (>10 metre) blankets. The till is compact, fissile and clast content ranges from 10 to 25%. Clasts are often faceted and striated, commonly subangular to subrounded shapes. Characteristics of this diamicton suggest that it is most likely a lodgement depositional environment (Dreimanis, 1988) Basal till facies tend to be variable with respect to the underlying bedrock. The till directly overlies bedrock except in the larger valleys, where sediments from the last glaciation overlie older fluvial gravels and are often the targets of placer gold operations (Clague, 1991).

Locally overlying the basal lodgement till is ablation till and/or basal melt-out till, sometimes combinations of both. Ablation till can be expected at the higher elevations, with deposits rarely exceeding 1 metre. The distribution of ablation till is discontinuous and not overly abundant. Basal melt-out till was found in the lower elevations and diamictons commonly exhibit crude stratigraphy. The till is moderately to weakly compacted with clast contents ranging from 35 to almost 50%. Areas of clast-supported till are not uncommon. Clasts are sometimes faceted and striated, but many are not, suggesting supraglacial transport. Roundness ranges from subrounded to very angular.

Till is ubiquitous throughout the region, occurring in varying degrees of thickness and usually directly overlying bedrock. In the valleys, meltwaters from deglaciation and intense early Holocene erosion have reworked and subsequently overlain the tills with various types of glaciofluvial, glaciolacustrine, colluvial and fluvial sediments. Till can generally be found exposed at surface above 1160 m asl. Meltwater activity and perched gravel deposits such as kames and deltas can occur above this elevation. Table 1 lists the major valleys and the corresponding elevations that till outcrops within that valley.

River Valley	Elevation (m asl)
Bowron River Valley	1035 – 1100
Ketchum Creek	1050 – 1075
Big Valley Creek	1200 – 1235
Lottie Creek	1125 – 1150
Willow River	1115
Boyce and Fourteen Mile Creek	1110 – 1150
Slender Lake	1085
Towkuh Lake	1150
Stephanie Creek	1160

Table 1. Major river valleys and corresponding elevation ranges in which ground moraine (till) outcrops above the late glacial and Holocene waterlain sediments.

Glaciofluvial Sediments

As mentioned above, meltwaters from retreating and mass wasting glaciers flowed into the bedrock-controlled valleys, depositing glaciofluvial sands and gravels. The meltwaters coalesced into larger valleys and formed glaciolacustrine lakes. Associated sediments such as subaqueous fans, deltas and terraces were formed in the meltwater channels. Often, small deposits are perched above the terraces, formed from tributary channels flowing into the larger valleys. These sediments range from poorly sorted immature gravels to well-sorted pea gravel and fine sand. They are commonly stratified

and are very susceptible to erosion. Blocks of ice were sometimes trapped in the rapidly deposited sediments and their subsequent melting formed kettle depressions and lakes.

Glaciolacustrine Sediments

Deposits of glaciolacustrine sand and silt occur in the Bowron River and Lottie Creek valleys. Lower terraces have developed in these valleys during peak glacial meltwater flow. These sediments are thick, often exceeding tens of metres, and consist of massive to rhythmically bedded very fine sand and silt with minor clay. These sediments are highly susceptible to erosion once the vegetation mat is disturbed.

Colluvium

Colluvium is a genetic term to describe sediment that has been affected by gravity. This includes, talus, soil creep, slope wash and mass movements such as debris flows. Factors that control downslope movement include the slope angle and the nature (stability) of the sediment or bedrock on the slope.

Various types of colluvium occurs on the steeper slopes within property. Rock talus can be found below bedrock ridges. Colluviated till is common on the steeper hill slopes and occurs locally throughout the property, often as a thin layer overlying till unaffected by gravity. The glaciofluvial and glaciolacustrine terraces were subjected to intense erosion prior to the establishment of vegetation and formed coalescing colluvial fans in the larger valleys.

Fluvial Sediments

Modern streams and rivers are locally depositing small areas of fluvial sands and gravels. Fluvial sedimentation was most intense during the Holocene and modern drainage patterns were formed as the vegetation established itself. Large broad fluvial fans occur in every valley. These sediments include river gravels, sands and occasionally are mixed with organics.

Organics

Organic deposits occur locally in all types of terrain. Areas with poor drainage can have up to 0.5 m of organic deposits. These deposits commonly form in depressions in the bedrock topography but also form on slopes where compact silty till is impermeable to surface drainage.

Anthropogenic

Anthropogenic deposits are not widespread and can be found only near past and present placer operations. Extensive workings can be found at the southern end of the study area and minor placer operation is taking place in the vicinity of the Lottie showing.

Ice Flow Indicators

The striation record in the region is poor due to the lack of preserved outcrop exposure. Striations were observed at a few locations where logging operations has exposed fresh bedrock. The majority of striation measurements are bi-directional, that is, they contain no information regarding direction of ice that gouged the outcrops. Cross-cutting relationships are rare, only a few sites with multiple ice directions were observed. Other directional indicators such as rat-tails and large scale landforms were used to aid in ice flow reconstruction. The thick drift cover, bedrock structure and weathering nature of the bedrock all hamper the observation of striae.

At the eastern edge of the property and in the vicinity of the Bowron River valley, large glacially streamlined landforms can be seen in airphotos and clear cuts. The dominant ice flow features indicate a north to north-northwest ice flow direction. Additional landforms were observed east of the Bowron River with similar trends.

At the western edge of the property, large glacial landforms and striations indicate a strong northeasterly ice flow direction. These features occur at the highest elevations and possibly suggest ice flow to the northeast during the Fraser glacial maximum. However, these strong features are absent from the middle and eastern areas of the property.

In the central area of the property, ice flow indicators can be found with a wide range of bi-directional striae and a few landforms. Fabric work conducted at the Lottie property by the author for Eureka Resources show that topography was likely the dominant factor affecting glacial sediment distribution during the late Wisconsinan. There is evidence that Two Sisters Mountain did not undergo stagnation and mass decaying of ice as is typical of the higher peaks rimming the interior plateau (Clague, 1989; cf. Paulen *et al.*, 1999). Ice-recessional lateral and terminal moraines are observed on the western slope of Two Sisters Mountain. A cirque lakes are also noted high up on the mountain, likely dammed by a moraine.

Deglaciation was typical of that described by Clague (1989), ice downwasted at the higher elevations, and flowed locally in the valleys. Striae and ice-flow indicators are poorly preserved due to the thick sediment pile in the valleys and the erosion of bedrock by glacial meltwaters.

Discussion

The major source of ice in the region was the Caribou Mountains to the southeast. Ice flowed locally during the onset of glaciation, following the topography. Regional work by Clague (1987), shows as the ice sheet thickened, ice flowed southwesterly from the Caribou Mountains, across the Mowdish Range and then flowed to the northwest roughly parallel to the regional bedrock structure that is occupied by the Bowron, Swan and Spectacle lakes. Clague (1988), reports northeastward flowing ice west of the Fraser River at Quesnel and to the north at Prince George. There is no known published evidence indicating a northeast direction of ice flow for the regions east of Quesnel, in close proximity to the Caribou Mountains.

The nature of glacial ice flow and ice dynamics would throw caution at ice flowing towards a major topographic feature such as the northwestern Caribou mountains. However, if maximum build-up of interior plateau ice exceeded the ice build-up in the foothills of the Caribou, it is possible that ice-sheet conditions prevailed in the interior plateau and topographically controlled ice was short lived during the onset and

waning of glaciation. Caution must be exercised here, because unlike the ice reversals seen in the Nechako area (Levson *et al.*, 1998), the northeasterly ice flow here is probably an extension of the northeast flow directions observed by Clague (1988) at Quesnel and Prince George.

Given the known striation observations, interpreted landforms and published regional glacial ice flow, a cautious interpretation of ice flow events that affected the property is presented here. Cross cutting relationships indicate that the oldest ice flow in the region was topographically controlled and ice flowed from the Caribou west and northwest to the Interior Plateau. During glacial maximum, ice flowed from the interior plateau, possibly behaving as an ice sheet with ice divides migrating to the thickest area of ice accumulation. Flow here was to the northeast and was deflected to the north and northwest in the vicinity of the Bowron River as the ice sheet converged with mountain glaciers flowing from the Caribou Mountains. During late glacial times, the ice sheet in the interior would have gradually thinned and topographically controlled ice would again affect the property. Ice flow directions were highly variable and ranged from northward to southwesterly flowing ice, depending on topography and ice thickness. Cirque glaciation on Two Sisters Mountain extended into the Holocene as ice flowed from the mountain into the valleys below. The maximum extent of this mountain glacier likely only reached the bottom of Big Valley Creek.

Implications for Drift Prospecting

The basal till mantling the uplands, the scarcity of ablation till, and the defined valley systems provide an excellent landscape for drift prospecting. Basal tills directly overly the bedrock and are representative of the last glaciation to have affected the region. Exceptions include the larger valleys that contain advance glacial gravels and preglacial deposits (Clague, 1991).

Previous geochemical studies of C-Horizon sampling in the region is unknown. These could provide an indication to the style of mineralization, configuration of the anomaly trains and local ice dispersal patterns. Once the pattern of dispersal is

recognized, then the application of known dispersal models can be applied. Locally, the application of Krumbein's (1937) concept of half distance decay can be used to compare transport distances (e.g. Lett *et al.*, 1998). Application of models from Miller (1984), Klassen (1997) and Paulen (1999) to illustrate dispersal in varying degrees of till thickness and transport distances can also be applied to aid in tracking down unknown sources. A recent example of dispersal in three dimensions has been recently presented by Bobrowsky *et al.* (2000) and should be taken into consideration when discussing potential climb angle of dispersal from source subcrop.

However, conditions such as variable relief and a strong local influence of ice flow should be considered as well as a regional flow component. Examples show that in areas of moderate relief, these dispersal fans can range from hundreds of metres to several kilometres down-ice from source (Paulen, 1999). The down-ice dispersal model at the Samatosum and Rea Gold mines in the Adams Lake area also show that the distance from source to the initial surface expression is almost 2 km (Lett *et al.*, 1998; Paulen, 1999).

Lottie

The initial discovery boulders are established to be contained within basal lodgement till. This eliminates the possibility of long distance transport and the mineral-rich boulders being deposited in supraglacial debris. The low frequency of boulders discovered suggested that the immediate area is likely within a distal dispersal fan. Additional basal till geochemistry should provide indications of distance to source, but, I am reluctant to speculate the transport distance without studying the regional basal till geochemistry.

Local flows appear to be the predominate factor in controlling the deposition of sediments within the Lottie Creek Valley below the Twin Sisters Mountains. In fact, ice probably flowed around the Twin Sisters and into the valley, flowing east to west. As ice thickened and topped over the Twin Sisters, ice flowed to the northwest, as indicated by flutings and striations to the northwest of the property, likely out of the influence of the Twin Sisters Mountain. These features indicate a regional ice flow trending approximately 250°. Late cirque glaciation is not present at the discovery float site. The

fabric work at the site in 1999 provides a good indication of the last dispersal direction, but not necessarily the true glacial direction of dispersion if more than one direction affected the distribution of the mineralized boulders.

Bow

The Bow float was found distributed in an extensive area of glaciofluvial sediments. The mineralized cobbles occur at the surface of the glaciofluvial sediments. The glaciofluvial sediments are quite thin (<2 m) at the float site and are directly overlying weathered bedrock. The clasts are well rounded and the sediments are moderately to well sorted, indicating a more mature gravel deposit. Source is possibly eroded from the nearby tills to the southwest, but the maturity of the sediments could also indicate a long distance glaciofluvial transport. The lack of till exposed in the immediate vicinity also is problematic and other methods of prospecting may have to be employed.

However, the relative abundance and clustering of mineralized cobbles in a glaciofluvial deposit is promising of a potential local enriched till that the cobbles were derived from. Interpretation of the regional basal till sampling program could shed some light on the source of this float.

Tow

The Tow float occurs in till at a high elevation. The till blankets the topography but is likely less than three metres thick. The float occurs in an area surrounded areally by basal till. Ice flow at the east side of the property is south to north, with variations up to 20 degrees. This provides an excellent area to apply property scale drift prospecting. The float itself consists of small clasts and the relative abundance indicates that the discovery site is contained in the distal part of a dispersal train.

Conclusion and Recommendations

Ice flow history within the property is complicated but likely a combination of ice sheet-like conditions and topographically controlled ice flow. Tracing of anomalies will be a challenge, if a dispersal train is affected by early, peak and late glacial ice. Palimpsest glacial trains are possible and recognition of their patterns is essential to avoid chasing down false geochemical anomalies. This could be especially true of the Lottie float. Recommendations for the whole property include:

1. Confirmation of ice flow directions from the higher hills in the region. This includes Two Sisters Mountain, Slide Mountain and other hills within and adjacent to the property. The question here is, how far east does the northeast ice flow extend and where does it stop becoming the dominant dispersal direction?
2. Fabrics to be done at any high basal till anomaly. Understanding the distribution of the till at any anomalous site is essential. The lack of ice flow indicators mean relying on pebble fabric analysis. However, any effort to expose additional striations would help immensely.

The Lottie float will require not only till but multi-media geochemistry to help sort out the net dispersal of the mineralized boulders. False anomalies may become problematic if palimpsest trains do exist. Existing fabric data does indicate a south-southwesterly flow direction for late glacial activity in the area. Additional fabric data in the local area is unnecessary. If complications arise with the dispersal train, retrenching the discovery site and conducting a sedimentological and fabric profile may be necessary. That is, several fabrics from the bottom to the top of the till unit to aid in pinpointing directional sources. Also studying mineralized boulders *in situ* would also be beneficial.

The Tow float is ideally situated for drift prospecting. Great care should be taken

interpreting the regional till samples in order to see where the dispersal train fits existing models. If the regional geochemistry is promising, then fabric work or trenching for outcrop is necessary to augment the interpreted ice flow direction.

The Bow float will be difficult at best to track down due to its occurrence in glaciofluvial gravels. If the tills to the southwest do contain additional boulders, then perhaps long distance transport can be eliminated. Gravels in the area have possibly come from the Boyce Creek – Fourteen Mile Creek valley but directional studies of clasts, imbrication and paleoflow of the gravels at the Bow showing would have to completed.

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