

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

093966

Assessment Report
**Geochemical Surveys and Geologic Mapping
of the Bay Grid**

Located within the **Bay Claims Group**,
NTS 116B/9,B/10
Latitude: 64.66°
Longitude: -138.54°

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

Written by: M. Buchanan

Work Performed August 24th & 25th 1998



This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 7200.00.

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

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Introduction

During the summer of 1997, a geochemical silt survey identified the area now covered by the Bay claims as having anomalous nickel values. During the months of July and August of 1998, six personnel from Hudson Bay Exploration & Development conducted a detailed soil grid over the areas showing the highest geochemical values. This report details the geology and results collected from the geochemical soil grid.

Location & Access

The Bay claims are located north of the Tombstone mountains on the west side of the Blackstone river on NTS map sheets 116B/09 & 116B/10. The center of the property is at 64.66° lat. and -138.54° long. Dawson City is the closest major center and is located approximately 85km to the southwest (Figure 1). The claims are best accessed by helicopter based out of the Klondike River Lodge or Dawson. Road access to within 5km of the Bay claims can be made using the Dempster Hwy. a distance of some 85km from the Klondike River Lodge. (Figure 1)

Physiography

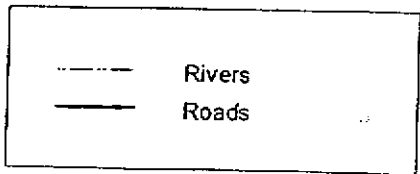
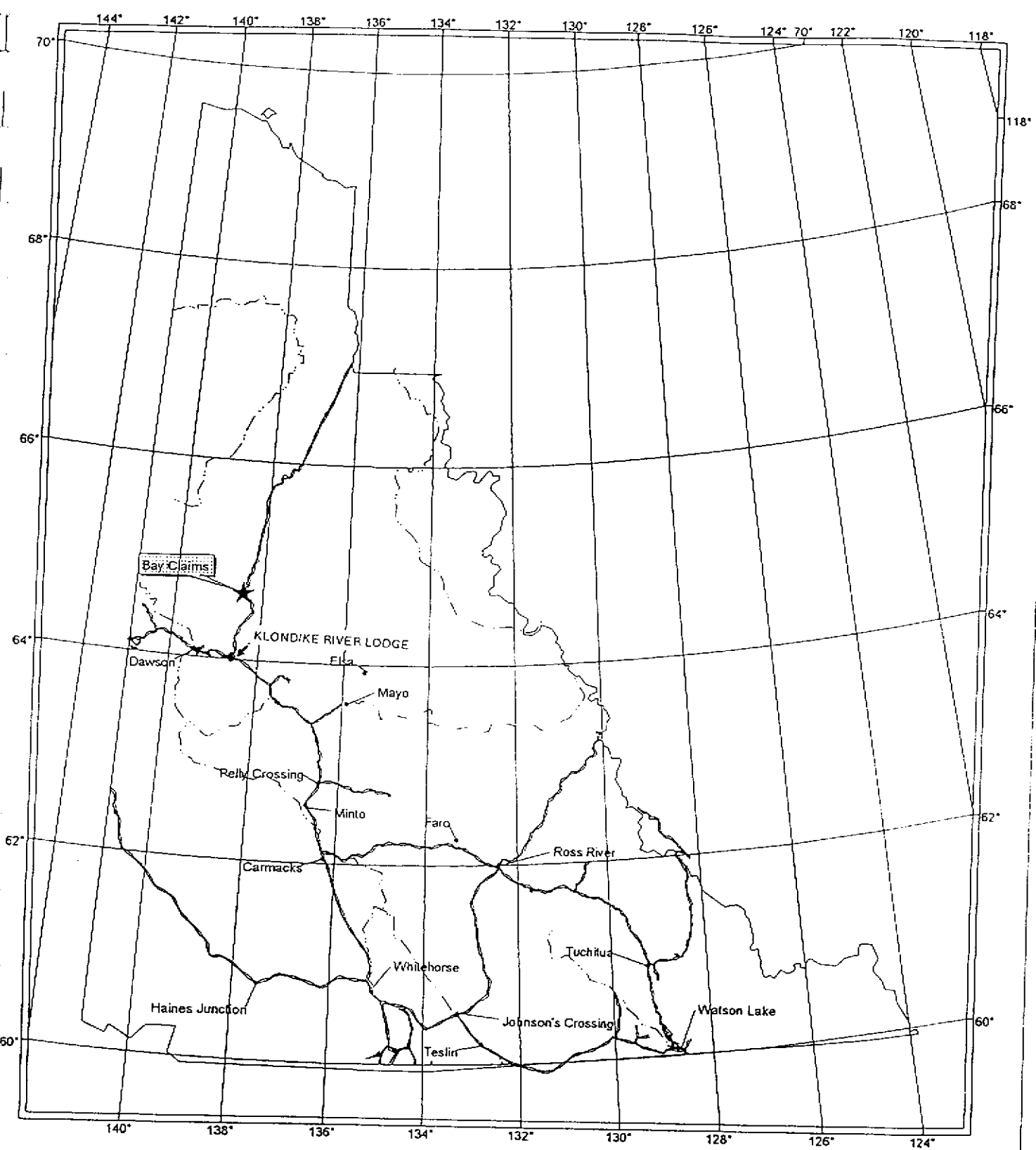
The Bay Claims lie in an area of moderate topographic relief with elevations ranging from 1300m to 1850m. Vegetation consists of minor scrub brush, abundant mosses, lichens, grasses and flowers. Outcrop is best observed on the hilltops and steeper slopes of the property.

Work History

No recorded work is known to have occurred on the Bay claims. However, the Yukon minfile records show a copper mineral occurrence named the Crawford as being located on the claims. This occurrence was reported in 1958 by prospectors working for the Yukon Cons Gold Corp. but never staked.

Property Status & Ownership

The Bay property is composed of 60 two post claims staked in a east/west direction. The property is 100% owned by Hudson Bay Exploration & Development Co. Ltd. Table 1. on the following page outlines the grant numbers and expiry dates of all the claims pending acceptance of this report.



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

Location Map
 Projected to UTM Zone 8
 NAD 83

FIGURE - 1	SCALE	DATE: Feb 13, 1999
AUTHOR: MOB	1:6000000	FILE:



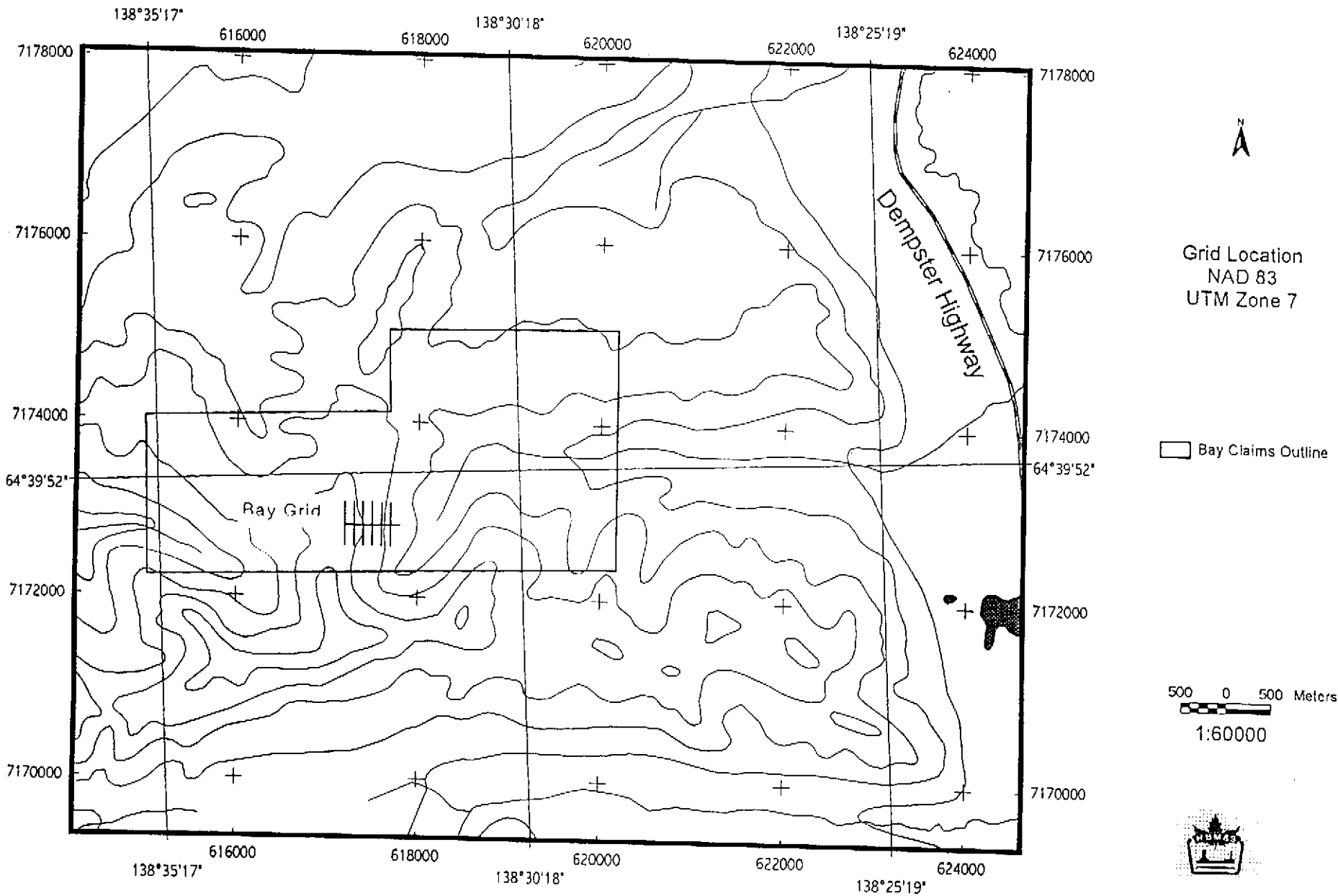


Figure 2

TABLE 1

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED
Vancouver Office

Mining District: Dawson
Province: Yukon

NTS: 116B09/10

Claim Name	Grant No.	Date Staked	Hectares	Expiry	Notes
BAY 1	YC06555	13-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 2	YC06556	13-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 3	YC06557	13-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 4	YC06558	13-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 5	YC06559	13-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 6	YC06560	13-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 7	YC06561	13-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 8	YC06562	13-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 9	YC06563	13-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 10	YC06564	13-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 11	YC06565	13-Nov-97	21	20-Nov-00	pending acceptance of applied work
BAY 12	YC06566	13-Nov-97	21	20-Nov-00	pending acceptance of applied work
BAY 13	YC06567	13-Nov-97	21	20-Nov-00	pending acceptance of applied work
BAY 14	YC06568	13-Nov-97	21	20-Nov-00	pending acceptance of applied work
BAY 15	YC06569	13-Nov-97	21	20-Nov-00	pending acceptance of applied work
BAY 16	YC06570	13-Nov-97	21	20-Nov-00	pending acceptance of applied work
BAY 17	YC06571	13-Nov-97	21	20-Nov-00	pending acceptance of applied work
BAY 18	YC06572	13-Nov-97	21	20-Nov-00	pending acceptance of applied work
BAY 19	YC06573	13-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 20	YC06574	13-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 21	YC06575	13-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 22	YC06576	13-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 23	YC06577	13-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 24	YC06578	13-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 25	YC06579	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 26	YC06580	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 27	YC06581	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 28	YC06582	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 29	YC06583	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 30	YC06584	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 31	YC06585	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 32	YC06586	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 33	YC06587	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 34	YC06588	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 35	YC06589	12-Nov-97	21	20-Nov-00	pending acceptance of applied work
BAY 36	YC06590	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 37	YC06591	12-Nov-97	21	20-Nov-00	pending acceptance of applied work
BAY 38	YC06592	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 39	YC06593	12-Nov-97	21	20-Nov-00	pending acceptance of applied work
BAY 40	YC06594	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 41	YC06595	12-Nov-97	21	20-Nov-00	pending acceptance of applied work
BAY 42	YC06596	12-Nov-97	21	20-Nov-99	pending acceptance of applied work

TABLE 1 (Cont)

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LIMITED
Vancouver Office

Mining District: Dawson
Province: Yukon

NTS: 116B09/10

Claim Name	Grant No.	Date Staked	Hectares	Expiry	Notes
BAY 43	YC06597	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 44	YC06598	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 45	YC06599	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 46	YC06600	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 47	YC06601	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 48	YC06602	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 49	YC06603	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 50	YC06604	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 51	YC06605	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 52	YC06606	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 53	YC06607	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 54	YC06608	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 55	YC06609	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 56	YC06610	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 57	YC06611	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 58	YC06612	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 59	YC06613	12-Nov-97	21	20-Nov-99	pending acceptance of applied work
BAY 60	YC06614	12-Nov-97	21	20-Nov-99	pending acceptance of applied work

Work Performed

Work performed on the Bay claims was implemented in two phases by J. Sparling, T. Schwartz, M. Hebel, A. James, N. Kermeen and G. Mulligan of Hudson Bay Exploration & Development Co. Ltd.. Phase I of the program commenced in July and consisted of contour soil/rock sampling and stream sediment sampling. Phase II of the exploration program on the Bay claims was conducted August 24th & 25th and consisted of construction of a geochemical grid, mapping of surface geology and collection of grid soil samples. A total of 600m of surveyed baseline and 3000m of flagged section lines were constructed (Figure 2). From this grid 148 soil samples and 12 rock samples were collected and sent to Chemex Labs in Vancouver, B.C. for 34 element ICP.

Regional Geology

The regional geology in the vicinity of the Bay claims has been mapped by numerous individuals. The first 1:250,000 scale compilation of the 116B map sheet was completed by Green, L.H. & Roddick, J.A in 1961. More recently 1:50,000 detailed regional mapping was completed by Thompson, R.I., Roots, C.F. and Mustard, P.S. (1992) The following descriptions of geology within region of the Bay claims comes from the most recent 1:50,000 scale mapping.

The following figures 3 & 4 illustrate the geology in the region of the Bay claims. Two major thrust fault systems occur in the region. As can be seen in figure 4 the Dawson thrust system cuts through the property with an east/west orientation while the Tombstone thrust is located approximately 10 to 15km south of the claims. These two fault systems verge northward and have thrust large sections of rock up onto one another to create a series of repeated geologic sequences.

The oldest mapped geologic unit in the region is the Hyland Group. It consists of marron, green and grey argillites, light grey chert, siltstones, sandstone, gritty sandstone and trace fossils. Outcrops of the Hyland occur in the north and south of the claim. Overlaying the Hyland group is the Lower Ordovician Marmot formation. This unit comprises ~60% of the area covered by the Bay claims and consists of subaqueous amygdaloidal basaltic flows and breccias with lesser amounts of a white weathering, grey streaked limestone. The youngest unit in the region of the Bay claims consists of black shales, argillites and slates of the Road River group. Outcrops of this unit are confined to the northern claims on the property.

Grid Geology

Geological mapping on the Bay Grid has identified four major rock units; conglomerate, limestone, mafic and ultramafic igneous rocks. The following rock descriptions were compiled from notes taken from T. Schwartz and J. Sparling. The geology map located in the back pocket of this report shows the distribution of the mapped units as they occur on the grid.

North of Tombstone Thrust and South of Dawson Thrust Fault

TRIASSIC⁶

948 Tsh dark grey to black shaly and platy, feld micritic limestone; locally contains pelecypod fragments and small chert pebbles in upper part; thin-bedded, greywacke like siltstone and shale in lower part

UPPER PERMIAN

941 Pt Tahkandit Formation: rusty to light grey weathering, grey and white, crystalline skeletal limestone; partially silicified and dolomitized limestone (upper part); interbedded black chert in middle part. Calcitic sandstone, chert-pebble conglomerate, sandy limestone in basal part which is 25 m thick⁷.

UPPER DEVONIAN to LOWER CARBONIFEROUS

EARN GROUP

906 DCE Black shale; chert pebble conglomerate.

MIDDLE ORDOVICIAN TO MIDDLE DEVONIAN

ROAD RIVER GROUP

934 ODRR black shale, argillite and slate; interbedded chert and sandstone. Graptolite fauna, chelly at base of chert beds (undivided). Ba: barite.

934a ORR black, medium bedded chert (Middle Ordovician).

LOWER CAMBRIAN AND LOWER ORDOVICIAN

912 COv Marmot Formation¹¹ amygdaloidal basaltic flows and breccias, mostly subaqueous

904 COI white weathering, grey streaked limestone¹²

913 COv1 flow-banded rhyolite and felsite; includes breccia and tuff

911a Pd Paleozoic, probably Ordovician, mafic dykes and sills interpreted to be subvolcanic to COv.

PRECAMBRIAN AND LOWER CAMBRIAN

926 PCsch

HYLAND GROUP¹⁴

921 PCH3 maroon, green and grey argillite, light grey chert; siltstone, sandstone, gritty sandstone, trace fossils in upper part

924 PCHle iron formation

920 PCH2 white-weathering, grey limestone¹⁵, recrystallized.

930 PCH1 sandstone; gritty sandstone; argillite, chloritic schist.

Base unknown.

Figure 3

After Thompson, R.I. et al. 1992

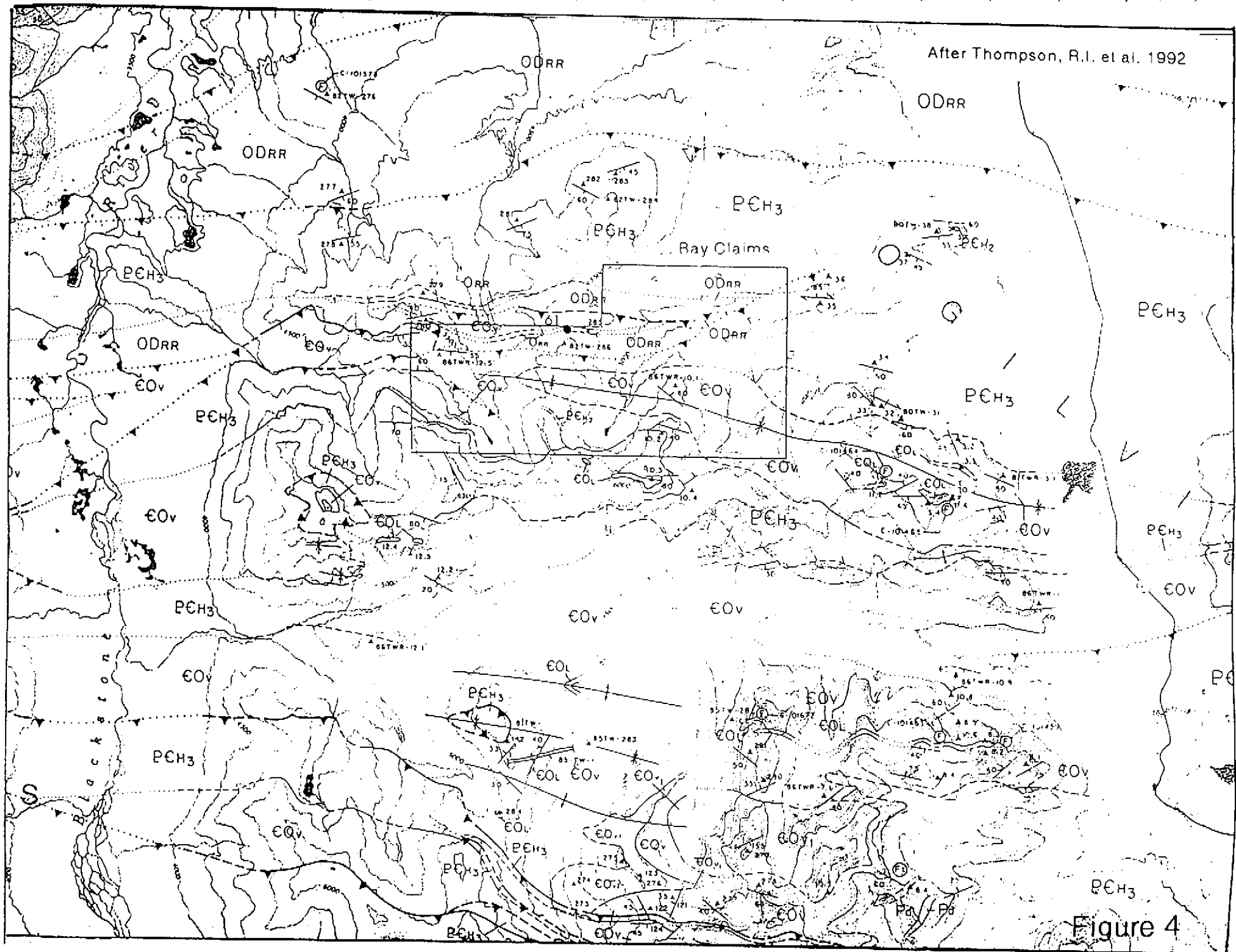


Figure 4

Rock Descriptions

Conglomerate – composed of a brown to green in colored heterolithic conglomerate/breccia of interbedded sandstones, cherts and basaltic fragments supported in a dirty sedimentary matrix. Minor calcite veining.

Limestone – composed of a gray to buff colored recrystallized, slightly baked limestone. Occurs principally as thin 1-10m rafts.

Mafics – medium to dark green color, often containing amygdules of calcite. Occurs as pillows, flows, and breccias. Pillows often have reaction rims of fine grained (chlorite?).

Ultramafics – megacrystic 2-50mm crystals of pyroxenes in aphanitic black groundmass, may occur as flows and or pillow like structures.

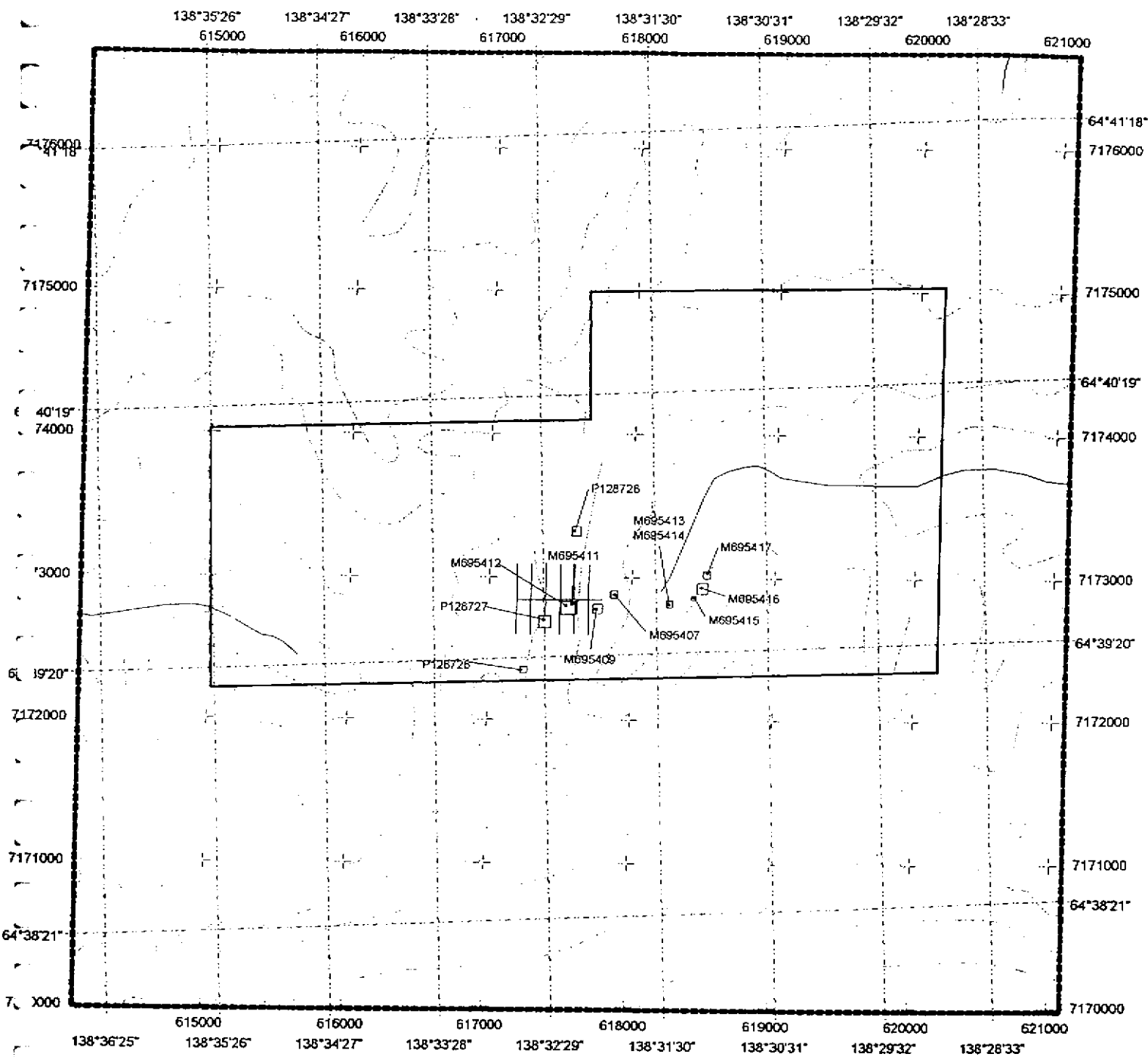
Geochemical Survey

A total of 148 soils and 12 rocks were collected from grid and other locations on the Bay claims (Figure 5 and back pocket). The soil samples were collected from 'B' horizon typically ranging in depth from 10 to 30 cm using geo-tools. Samples were placed into labeled kraft wet strength paper bags and sent to Chemex Labs in Vancouver, British Columbia for 34 element ICP. Complete analytical results can be found in the Appendix 3 in the back of this report.

The geochemical grid survey is centered on a previously delineated geochemical soil high. The grid consists of a 500m long east/west baseline with section lines at 100m intervals. Station spacing used on the grid was 25m. The aim of the grid was to tie the geochemical anomaly to mapped geological units in the area.

Results

Results from the geochemical grid have delineated a 100 to 200m wide open ended nickel anomaly with values up to 900ppm Ni (See map in back pocket). This soil anomaly correlated reasonably well with a mapped ultramafic body of similar dimensions (See map in back pocket). Rock samples collected from the grid in areas of elevated nickel assayed up to 377ppm Ni, although most samples were quite low.



Ni in rocks (ppm)

○ 35 - 62	□ 204 - 232	□ 537
○ 75 - 76	□ 393	□ 615
○ 105 - 118	□ 444	

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

**Bay Claims
Rock Geochemistry**

UTM ZONE 8
NAD 83

FIGURE - 5	SCALE 1:40000	DATE: Jan 18, 1998
AUTHOR: MCB		FILE: baygeochem.apr

300 0 300 600 900 Meters



Conclusion & Recommendations

Work completed on the Bay grid has outlined a 200m x 500m nickel in soil anomaly which can be fairly well correlated with an ultramafic body. Further work to be completed on the property should include the following:

- Extension of the geochemical grid and further mapping to include a larger area thereby, covering any sediment/volcanic contacts.
- Thin section & whole rock work should be completed on the mafic/ultramafics samples to determine their potential for hosting nickel mineralization.

References

Thompson, R.I., Roots, C.F. and Mustard, P.S., 1992: Geology of Dawson Map Area (116B,C) Geological Survey of Canada, Open File 2849.

Yukon Minfile, 1996 Published by IMS Ltd. Under Licence from the Department of Indian and Northern Development.

Appendix 1

Bay Claims Expenditures

Personnel Costs (Includes room & Board)

4 field assistants @ \$184.50/day x 2 day	\$1476.00
1 Geologists @ \$250/day x 2 day	\$500.00

Accommodations & Meals

5 persons x 2 days x \$50/day	500.00
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Helicopter Support

3hrs Bell 206 helicopter @ \$700/hr (includes fuel)	\$2100.00
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Analytical Charges

148 soil samples @ \$20/sample	\$2960.00
12 rock samples @ \$20/sample	\$240.00

Total	\$7776.00
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Appendix 2

STATEMENT OF QUALIFICATIONS

I, Michael Buchanan, of Vancouver, B.C. hereby certify that:

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

Signed this day 21ST of APRIL, 1999.

Michael Buchanan

Michael Buchanan
Geologist
Hudson Bay Exploration and
Development Company Limited

Appendix 3



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.
 405 - 470 GRANVILLE ST.
 VANCOUVER, BC
 V6C 1V5

Page Number : 1-B
 Total Pages : 1
 Certificate Date: 27-JUL-98
 Invoice No. : 19824727
 P.O. Number : 00980706-02
 Account : T

Project : 2316/2317
 Comments : ATTN:M.BUCHANAN

CERTIFICATE OF ANALYSIS A9824727

SAMPLE	PREP CODE	Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Ag ppm	Na %	Sr ppm	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
P128726	205 226	< 0.01	0.4	76	3250	0.07	5	0.14	< 0.01	146	< 0.1	< 0.1	0.86	0.45	0.80	142	112
P128727	205 226	0.01	1.6	444	740	0.01	5	0.06	0.03	479	< 0.1	< 0.1	0.35	0.15	1.15	54	70

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9830516

SAMPLE	PREP CODE	Hg ppm	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Ag ppm	Na %	Sr ppm	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
M695407	205 226	< 0.01	0.6	105	2320	0.06	14	0.14	< 0.01	132	< 0.1	< 0.1	0.79	0.50	0.50	193	94
M695408	205 226	< 0.01	1.0	95	1070	0.01	10	0.06	< 0.01	103	< 0.1	< 0.1	0.56	0.35	0.30	157	76
M695409	205 226	< 0.01	1.4	232	1260	0.03	15	0.10	< 0.01	144	< 0.1	< 0.1	0.83	0.15	1.05	160	74
M695411	205 226	< 0.01	0.8	615	440	0.01	4	0.02	< 0.01	32	< 0.1	< 0.1	0.18	0.05	0.20	46	52
M695412	205 226	< 0.01	0.2	537	450	0.01	4	0.02	< 0.01	50	< 0.1	< 0.1	0.23	0.05	0.20	43	54
M695413	205 226	< 0.01	0.2	62	1350	< 0.01	6	0.10	< 0.01	265	< 0.1	< 0.1	0.25	0.20	3.30	133	50
M695414	205 226	0.01	0.4	75	2510	< 0.01	17	0.60	< 0.01	233	< 0.1	< 0.1	1.29	0.75	0.85	257	84
M695415	205 226	< 0.01	0.4	35	2040	0.12	6	0.12	< 0.01	46	< 0.1	< 0.1	0.68	0.50	0.60	141	84
M695416	205 226	< 0.01	1.0	393	680	0.04	5	0.06	0.01	320	< 0.1	< 0.1	0.43	0.05	0.45	81	58
M695417	205 226	< 0.01	0.8	118	2190	0.10	0	0.20	0.01	163	< 0.1	< 0.1	0.77	0.60	0.00	156	98

CERTIFICATION: *Paul Biddle*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
 PHONE: 604-984-0221 FAX: 604-984-0218

To: HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.

405 - 470 GRANVILLE ST.
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Project: 2316/2317
 Comments: ATTN:M.BUCHANAN

Page Number : 1-A
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 Certificate Date: 27-JUL-98
 Invoice No. : 19824727
 P.O. Number : 00980706-02
 Account : T

CERTIFICATE OF ANALYSIS A9824727

SAMPLE	PREP CODE	Au ppb FA+AA	Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
P128726	205 226	< 5	4.42	< 0.1	0.2	70	1.0	< 0.02	< 0.1	2.68	87	36	90.5	19.0	0.2	8.08	50	< 2	3.83	1265
P128727	205 226	< 5	1.11	< 0.1	1.0	140	< 0.5	0.02	0.1	13.75	148	61	68.0	3.9	< 0.1	2.54	< 10	< 2	1.75	610

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9830516

SAMPLE	PREP CODE	Au ppb FA+AA	Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm
M695407	205 226	< 5	3.62	< 0.1	0.6	140	0.5	0.02	< 0.1	5.22	258	42	58.0	20.7	0.2	7.53	30	< 2	3.49	820
M695408	205 226	< 5	3.05	< 0.1	2.8	80	0.5	0.02	< 0.1	10.80	222	29	45.6	16.0	< 0.1	5.57	20	< 2	3.49	1205
M695409	205 226	< 5	2.59	< 0.1	9.0	160	< 0.5	0.02	0.1	9.32	62	56	78.4	14.9	0.2	5.33	10	< 2	3.34	1015
M695411	205 226	< 5	2.36	< 0.1	0.6	150	< 0.5	< 0.02	< 0.1	0.76	143	83	58.0	5.3	0.1	5.59	< 10	< 2	8.50	715
M695412	205 226	< 5	2.67	< 0.1	0.2	100	< 0.5	< 0.02	< 0.1	0.94	147	75	65.7	6.3	0.1	5.51	< 10	< 2	8.56	700
M695413	205 226	< 5	2.15	< 0.1	< 2.0	< 10	< 0.5	< 0.02	< 0.1	>15.00	148	25	43.0	11.4	< 0.1	4.37	20	< 2	1.25	885
M695414	205 226	< 5	3.88	0.8	7.0	60	1.5	0.10	0.1	6.48	151	53	74.1	19.1	0.3	7.54	40	< 2	4.06	1060
M695415	205 226	< 5	2.58	0.2	1.0	80	< 0.5	0.02	< 0.1	1.86	14	17	56.7	17.1	0.3	7.61	30	< 2	2.93	880
M695416	205 226	< 5	1.84	< 0.1	1.2	110	< 0.5	< 0.02	< 0.1	10.85	182	62	70.4	9.8	< 0.1	4.20	< 10	< 2	2.38	660
M695417	205 226	< 5	3.09	< 0.1	0.6	130	1.0	< 0.02	< 0.1	4.35	191	43	89.5	16.7	0.2	6.78	30	< 2	2.85	1135

CERTIFICATION:

Paul Biddle



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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Project: 2316/2317
Comments: ATTN: M. BUCHANAN

Page Number: 1-A
Total Pages: 8
Certificate Date: 10-NOV-1998
Invoice No.: 19834571
P.O. Number: 00980827-0
Account: T

CERTIFICATE OF ANALYSIS

A9834571

SAMPLE	PREP CODE	Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm	Hg ppm
4700E 4750N	244 --	2.99	0.1	3.2	110	0.5	0.08	0.1	2.22	207	38	86.1	12.3	0.1	6.06	20	6	2.16	1405	0.05
4700E 4775N	244 --	2.94	0.2	3.6	110	1.0	0.08	0.1	2.37	149	31	66.9	11.0	< 0.1	5.43	30	6	1.91	1350	0.05
4700E 4800N	244 --	3.02	0.3	4.0	160	1.5	0.06	0.2	2.58	140	30	45.8	10.2	0.1	5.31	40	8	1.75	1635	0.06
4700E 4825N	244 --	3.55	0.1	1.4	90	0.5	0.04	0.2	2.28	100	45	94.7	13.0	0.1	6.73	30	6	2.65	1590	0.05
4700E 4850N	244 --	2.61	0.4	4.8	140	1.5	0.14	0.3	0.98	103	31	55.1	11.3	< 0.1	5.68	10	12	1.58	1610	0.08
4700E 4875N	244 --	3.83	0.1	1.6	190	1.5	0.08	0.3	1.79	187	49	87.2	17.9	0.1	7.58	20	8	3.09	1970	0.09
4700E 4900N	244 --	4.11	0.2	3.8	320	1.0	0.10	0.2	1.41	338	50	72.8	18.0	0.1	7.44	30	8	3.84	2020	0.04
4700E 4925N	244 --	3.13	0.4	5.2	200	1.0	0.14	0.1	1.06	151	34	69.4	11.1	0.1	5.78	20	10	1.71	1900	0.05
4700E 4950N	244 --	4.21	0.1	3.8	170	1.5	0.08	0.3	1.72	203	53	78.8	19.5	0.2	8.06	20	10	3.78	2050	0.07
4700E 4975N	244 --	4.09	0.1	2.2	180	0.5	0.06	0.2	1.85	406	76	116.5	16.4	0.1	7.98	10	6	5.29	1905	0.08
4700E 5000N	244 --	4.75	< 0.1	3.6	150	< 0.5	0.04	0.1	2.14	485	107	127.5	17.5	0.2	8.60	10	6	6.90	1445	0.04
4700E 5025N	244 --	4.18	0.2	4.0	210	< 0.5	0.04	0.2	1.63	573	101	116.0	14.9	0.1	8.45	< 10	2	6.56	1410	0.04
4700E 5050N	244 --	4.30	0.1	3.0	190	< 0.5	0.06	0.2	1.96	504	94	124.0	15.1	0.1	8.35	10	4	6.02	1640	0.03
4700E 5075N	244 --	3.09	0.1	12.2	320	0.5	0.06	0.3	2.23	331	63	87.2	13.7	0.1	6.51	20	6	3.08	1905	0.05
4700E 5100N	244 --	4.14	0.1	3.4	340	0.5	0.06	0.3	1.84	480	51	74.8	15.7	0.1	6.99	30	8	4.17	1690	0.05
4700E 5125N	244 --	3.32	0.3	4.0	230	0.5	0.10	0.3	1.09	366	34	51.4	13.0	0.1	5.81	20	12	2.75	1315	0.08
4700E 5150N	244 --	4.29	0.1	3.4	260	0.5	0.06	0.2	1.81	453	57	99.4	17.2	0.1	7.74	10	8	4.83	1870	0.05
4700E 5175N	244 --	3.68	0.2	3.8	240	0.5	0.06	0.1	1.29	425	45	57.6	13.4	0.1	6.58	10	6	3.88	1280	0.05
4700E 5200N	244 --	3.81	0.2	4.2	230	0.5	0.06	0.2	1.21	479	43	54.0	15.2	0.1	6.78	10	6	3.40	1425	0.03
4700E 5225N	244 --	3.65	0.4	5.0	250	0.5	0.10	0.1	1.13	386	33	47.0	14.0	0.1	6.24	10	8	2.79	1295	0.03
4700E 5250N	244 --	3.35	0.3	4.2	240	0.5	0.10	0.1	0.84	350	35	41.2	14.1	0.1	6.61	20	8	2.32	1690	0.05
4800E 4750N	244 --	2.05	0.5	4.8	220	0.5	0.16	0.3	0.62	146	28	32.0	9.5	< 0.1	4.69	< 10	12	1.16	1935	0.07
4800E 4775N	244 --	1.58	0.4	4.0	130	0.5	0.14	0.1	0.43	101	15	28.4	7.8	< 0.1	4.16	< 10	8	0.65	945	0.11
4800E 4800N	244 --	1.12	0.3	3.0	150	< 0.5	0.10	0.4	1.53	57	21	29.0	4.3	< 0.1	2.44	10	6	0.47	1190	0.15
4800E 4825N	244 --	2.67	0.4	4.8	140	1.0	0.12	0.1	0.88	140	28	66.6	11.8	0.1	6.02	10	10	1.65	1255	0.05
4800E 4850N	244 --	3.33	0.3	4.2	200	1.5	0.10	0.1	1.02	206	40	81.4	14.1	0.1	6.68	30	10	2.22	2230	0.06
4800E 4875N	244 --	3.01	0.3	5.8	240	1.0	0.08	0.1	1.64	219	43	86.2	12.8	0.1	6.49	40	8	2.09	1900	0.08
4800E 4900N	244 --	3.90	0.1	2.6	140	0.5	0.04	0.2	2.04	948	133	104.5	14.1	0.2	7.42	10	2	5.33	1385	0.03
4800E 4925N	244 --	3.14	< 0.1	< 0.2	140	< 0.5	< 0.02	< 0.1	1.06	262	87	72.2	8.3	0.1	6.17	< 10	< 2	8.75	580	0.01
4800E 4950N	244 --	3.59	< 0.1	1.2	110	< 0.5	0.02	0.1	0.84	215	105	103.5	9.7	0.1	6.84	< 10	2	7.48	925	0.03
4800E 4975N	244 --	4.27	< 0.1	1.2	160	< 0.5	0.02	0.2	1.23	380	92	95.7	12.6	0.1	7.57	< 10	2	7.36	1145	0.03
4800E 5000N	244 --	4.11	< 0.1	2.6	190	< 0.5	0.04	0.2	1.50	537	104	109.5	15.2	0.2	9.09	< 10	2	6.08	1340	0.02
4800E 5025N	244 --	3.92	0.1	2.6	210	< 0.5	0.04	0.2	2.20	557	105	106.0	14.8	0.1	8.65	10	2	5.45	1435	0.01
4800E 5050N	244 --	4.46	< 0.1	1.6	150	< 0.5	0.02	0.1	2.59	606	122	115.5	15.8	0.3	9.25	< 10	2	6.43	1245	0.01
4800E 5075N	244 --	4.46	< 0.1	0.6	210	< 0.5	< 0.02	0.1	4.66	460	117	126.5	14.0	0.1	8.68	< 10	2	7.03	1220	0.02
4800E 5100N	244 --	4.51	< 0.1	1.0	190	0.5	0.02	0.1	1.33	270	71	95.2	22.6	0.3	9.92	10	5	5.18	1805	0.04
4800E 5125N	244 --	3.88	0.3	5.6	260	1.0	0.08	0.1	0.89	470	67	66.7	16.4	0.1	8.05	30	6	3.23	1895	0.07
4800E 5150N	244 --	4.21	0.1	4.8	240	0.5	0.06	0.2	1.22	535	74	77.4	19.9	0.2	8.85	30	16	4.39	1520	0.04
4800E 5175N	244 --	4.14	0.1	4.4	220	0.5	0.06	0.1	1.05	506	54	57.3	17.2	0.1	8.32	30	16	3.91	1445	0.07
4800E 5200N	244 --	3.92	0.2	4.6	190	0.5	0.06	0.2	1.19	486	50	68.9	16.0	0.1	7.70	30	6	3.87	1620	0.03

CERTIFICATION: *Hartfuchler*



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SAMPLE	PREP CODE	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Ag ppm	Na %	Sr ppm	Te ppm	Tl ppm	Tl %	W ppm	U ppm	V ppm	Zn ppm
4700E 4750N	244 --	1.0	125	1290	0.06	9	0.16	< 0.01	61	< 0.1	< 0.1	0.49	0.25	0.70	145	86
4700E 4775N	244 --	1.2	89	1690	0.12	8	0.12	< 0.01	59	< 0.1	< 0.1	0.32	0.35	0.70	120	80
4700E 4800N	244 --	1.2	75	1360	0.16	8	0.12	< 0.01	72	< 0.1	< 0.1	0.35	0.40	0.65	101	74
4700E 4825N	244 --	0.6	105	1200	0.18	9	0.16	< 0.01	54	< 0.1	< 0.1	0.88	0.30	0.55	176	90
4700E 4850N	244 --	1.2	58	1520	0.05	6	0.12	< 0.01	56	< 0.1	< 0.1	0.35	0.35	0.80	114	88
4700E 4875N	244 --	0.8	120	1590	0.17	9	0.16	< 0.01	58	< 0.1	< 0.1	0.79	0.45	1.00	155	118
4700E 4900N	244 --	1.0	129	1560	0.01	13	0.12	< 0.01	34	< 0.1	< 0.1	0.62	0.40	0.70	176	124
4700E 4925N	244 --	1.2	96	1150	0.16	8	0.12	< 0.01	26	< 0.1	0.1	0.54	0.40	0.95	160	94
4700E 4950N	244 --	1.2	132	1700	0.04	9	0.18	< 0.01	48	< 0.1	< 0.1	0.73	0.45	0.90	176	138
4700E 4975N	244 --	1.0	443	1050	0.04	8	0.20	< 0.01	54	< 0.1	< 0.1	0.45	0.20	0.55	130	120
4700E 5000N	244 --	1.0	750	730	0.01	8	0.20	< 0.01	48	< 0.1	< 0.1	0.49	0.15	0.65	120	128
4700E 5025N	244 --	1.6	804	610	< 0.01	8	0.14	< 0.01	37	< 0.1	< 0.1	0.35	0.05	0.45	109	126
4700E 5050N	244 --	0.8	754	830	0.01	8	0.16	< 0.01	38	< 0.1	< 0.1	0.33	0.10	0.55	111	130
4700E 5075N	244 --	1.6	209	1870	0.03	7	0.16	< 0.01	69	< 0.1	< 0.1	0.34	0.25	1.10	144	118
4700E 5100N	244 --	0.8	245	2760	0.04	10	0.18	< 0.01	134	< 0.1	< 0.1	0.43	0.40	1.30	150	134
4700E 5125N	244 --	1.0	140	1650	0.03	7	0.14	< 0.01	32	< 0.1	< 0.1	0.29	0.25	0.60	121	114
4700E 5150N	244 --	0.6	245	1210	0.04	12	0.20	< 0.01	41	< 0.1	< 0.1	0.53	0.30	0.65	157	136
4700E 5175N	244 --	1.0	199	1350	0.02	8	0.12	< 0.01	28	< 0.1	< 0.1	0.32	0.20	0.75	125	102
4700E 5200N	244 --	1.0	167	1020	0.01	12	0.12	< 0.01	23	< 0.1	< 0.1	0.45	0.20	0.55	156	112
4700E 5225N	244 --	1.0	131	920	0.01	11	0.08	< 0.01	21	< 0.1	< 0.1	0.48	0.25	0.60	153	102
4700E 5250N	244 --	1.2	101	1560	0.02	9	0.10	< 0.01	20	< 0.1	< 0.1	0.36	0.25	0.65	166	90
4800E 4750N	244 --	2.2	70	1350	0.06	5	0.10	< 0.01	27	< 0.1	< 0.1	0.47	0.50	0.75	120	70
4800E 4775N	244 --	2.2	38	1760	0.05	4	0.16	< 0.01	25	< 0.1	< 0.1	0.34	0.30	0.80	119	54
4800E 4800N	244 --	2.6	29	1950	0.06	2	0.16	< 0.01	74	< 0.1	< 0.1	0.12	0.25	0.45	54	42
4800E 4825N	244 --	2.2	75	1480	0.05	8	0.12	< 0.01	47	< 0.1	< 0.1	0.42	0.40	0.80	135	84
4800E 4850N	244 --	1.0	91	1630	0.05	9	0.12	< 0.01	49	< 0.1	< 0.1	0.34	0.35	0.80	140	98
4800E 4875N	244 --	2.6	90	2160	0.02	6	0.16	< 0.01	46	< 0.1	< 0.1	0.21	0.25	0.90	156	78
4800E 4900N	244 --	1.2	615	710	0.01	16	0.18	< 0.01	44	< 0.1	< 0.1	0.53	0.20	1.00	159	120
4800E 4925N	244 --	0.4	666	280	< 0.01	3	0.12	< 0.01	33	< 0.1	< 0.1	0.18	< 0.05	0.10	48	72
4800E 4950N	244 --	0.6	706	820	0.01	3	0.08	< 0.01	19	< 0.1	< 0.1	0.14	0.05	0.30	49	96
4800E 4975N	244 --	0.6	661	580	0.01	4	0.12	< 0.01	50	< 0.1	< 0.1	0.25	0.05	0.35	71	104
4800E 5000N	244 --	0.8	738	590	0.03	8	0.16	< 0.01	33	< 0.1	< 0.1	0.34	0.05	0.30	110	128
4800E 5025N	244 --	0.8	744	570	0.01	9	0.16	< 0.01	34	< 0.1	< 0.1	0.35	0.05	0.40	113	122
4800E 5050N	244 --	0.2	904	570	0.01	9	0.16	< 0.01	65	< 0.1	< 0.1	0.42	0.05	0.45	120	126
4800E 5075N	244 --	< 0.2	773	440	< 0.01	6	0.16	< 0.01	83	< 0.1	< 0.1	0.27	< 0.05	0.25	86	112
4800E 5100N	244 --	0.2	187	1180	0.04	10	0.16	< 0.01	27	< 0.1	< 0.1	0.61	0.20	0.50	160	140
4800E 5125N	244 --	1.2	185	1730	0.03	10	0.10	< 0.01	26	< 0.1	< 0.1	0.35	0.35	0.80	186	104
4800E 5150N	244 --	0.8	234	1600	0.03	11	0.14	< 0.01	33	< 0.1	< 0.1	0.47	0.30	0.60	187	120
4800E 5175N	244 --	1.0	169	1920	0.02	9	0.12	< 0.01	27	< 0.1	< 0.1	0.33	0.30	0.60	181	102
4800E 5200N	244 --	0.6	166	1420	0.01	12	0.10	< 0.01	28	< 0.1	< 0.1	0.34	0.30	0.70	172	100

CERTIFICATION: *Hart Kuchler*



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4800E 5225N	244 --	3.47	0.2	5.8	230	0.5	0.06	0.3	2.46	507	62	66.8	15.9	0.1	7.69	30	8	3.42	2140	0.06
4800E 5250N	244 --	2.50	0.4	5.0	210	0.5	0.10	0.1	1.15	267	31	36.0	9.9	< 0.1	5.46	20	8	1.66	1125	0.08
4900E 4750N	244 --	2.74	0.4	5.2	140	1.0	0.12	0.3	1.09	149	36	51.6	12.2	< 0.1	6.70	10	6	1.64	1200	0.03
4900E 4775N	244 --	2.42	0.4	5.0	140	1.0	0.12	0.3	0.49	114	25	40.4	9.2	< 0.1	5.90	10	6	1.25	795	0.05
4900E 4800N	244 --	3.38	0.2	2.8	180	1.0	0.06	0.1	1.24	221	50	72.2	15.7	0.1	8.26	20	8	2.83	1555	0.02
4900E 4825N	244 --	3.39	0.2	3.6	190	1.5	0.08	0.1	1.84	226	51	91.3	14.4	0.1	7.67	30	8	2.86	1515	0.05
4900E 4850N	244 --	2.81	0.1	3.2	170	0.5	0.06	0.1	1.78	218	57	67.1	11.0	0.1	6.70	10	6	2.80	1565	0.06
4900E 4875N	244 --	4.52	< 0.1	1.6	100	< 0.5	0.02	0.1	1.52	560	112	92.8	15.6	0.1	8.63	10	2	6.53	1170	0.02
4900E 4900N	244 --	2.72	0.3	1.8	190	< 0.5	0.08	0.2	0.44	142	67	65.9	8.2	< 0.1	6.82	10	6	4.95	665	0.02
4900E 4925N	244 --	2.84	0.1	2.0	180	< 0.5	0.06	0.2	0.51	196	128	107.5	8.9	0.1	7.99	10	2	7.46	955	0.02
4900E 4950N	244 --	3.00	0.1	2.2	190	< 0.5	0.06	0.1	0.48	148	93	81.0	8.3	< 0.1	7.55	10	2	6.42	805	0.04
4900E 4975N	244 --	3.51	< 0.1	1.6	230	< 0.5	0.06	0.1	0.47	242	137	105.5	10.4	0.1	8.15	< 10	2	8.38	895	0.01
4900E 5000N	244 --	4.43	< 0.1	1.6	180	< 0.5	0.02	0.1	1.27	403	118	118.0	14.5	0.1	9.12	10	2	7.62	1205	0.03
4900E 5025N	244 --	3.80	0.5	5.8	580	< 0.5	0.04	0.2	1.17	665	120	128.0	15.6	0.2	10.40	10	2	5.43	1645	0.07
4900E 5050N	244 --	4.47	< 0.1	2.0	230	< 0.5	0.02	0.1	3.96	584	150	122.5	17.0	0.1	10.15	10	2	6.18	1335	0.02
4900E 5075N	244 --	3.95	0.1	5.0	230	0.5	0.04	0.2	2.71	422	75	92.9	19.1	0.1	9.17	10	6	5.04	1115	0.03
4900E 5100N	244 --	3.25	0.3	6.8	290	0.5	0.06	0.1	1.56	344	65	105.5	15.4	0.1	7.78	30	10	3.26	1455	0.03
4900E 5125N	244 --	2.69	0.1	5.2	230	0.5	0.06	0.2	1.54	300	59	72.9	11.9	< 0.1	6.45	20	6	2.54	1370	0.07
4900E 5150N	244 --	2.34	0.1	4.2	240	0.5	0.06	0.1	1.83	251	38	54.4	10.7	< 0.1	5.64	20	6	1.85	1050	0.07
4900E 5175N	244 --	2.52	0.2	3.2	220	0.5	0.08	0.3	1.79	227	36	50.6	11.2	0.1	6.01	20	6	1.81	1280	0.05
4900E 5200N	244 --	2.55	0.3	4.8	300	0.5	0.08	0.1	1.52	306	30	75.0	12.7	< 0.1	5.36	20	6	2.12	1080	0.04
4900E 5225N	244 --	3.24	0.3	3.4	250	0.5	0.08	< 0.1	1.05	269	43	68.9	14.4	0.1	7.06	30	6	2.61	1625	0.05
4900E 5250N	244 --	3.07	0.3	4.6	220	0.5	0.08	0.1	1.18	306	40	66.7	13.1	0.1	6.25	30	6	2.56	1180	0.05
5000E 4750N	244 --	3.50	0.1	2.2	170	0.5	0.06	0.1	1.58	267	49	72.6	15.1	0.2	7.07	30	6	3.44	1015	0.02
5000E 4775N	244 --	3.40	0.1	2.0	150	0.5	0.04	0.2	1.48	270	52	75.4	14.6	0.2	7.01	30	6	3.47	985	0.02
5000E 4800N	244 --	3.72	0.1	2.2	150	< 0.5	0.04	0.1	1.59	352	71	90.9	13.6	0.1	7.29	10	4	4.79	1085	0.02
5000E 4825N	244 --	3.45	0.1	1.8	170	< 0.5	0.02	0.1	1.39	294	74	88.9	12.1	0.1	7.14	10	4	5.20	1050	0.02
5000E 4850N	244 --	3.29	0.2	3.2	170	< 0.5	0.06	0.1	0.82	199	90	87.0	9.9	0.1	7.24	10	4	5.64	960	0.03
5000E 4875N	244 --	3.90	0.1	2.4	190	< 0.5	0.04	0.1	1.03	311	90	96.2	12.7	0.1	7.72	10	4	6.59	1165	0.03
5000E 4900N	244 --	3.44	< 0.1	1.2	170	< 0.5	0.02	0.1	0.54	178	114	85.9	9.3	0.1	7.46	< 10	2	7.49	885	0.01
5000E 4925N	244 --	3.62	< 0.1	1.0	190	< 0.5	0.02	0.1	0.65	286	125	93.1	8.9	0.2	8.56	< 10	2	8.99	925	0.03
5000E 4950N	244 --	3.66	0.1	2.8	160	< 0.5	0.06	0.1	0.49	176	65	75.6	10.1	0.1	8.16	< 10	2	5.35	710	0.03
5000E 4975N	244 --	3.61	< 0.1	1.4	200	< 0.5	0.02	0.3	0.53	208	144	108.0	10.3	0.2	7.40	< 10	4	9.11	930	0.02
5000E 5000N	244 --	4.39	< 0.1	3.0	220	< 0.5	0.04	0.1	1.48	536	155	143.5	16.7	0.3	9.31	10	4	7.12	1390	0.02
5000E 5025N	244 --	4.42	< 0.1	1.2	220	< 0.5	0.02	0.1	4.73	350	114	130.5	16.6	0.2	8.55	< 10	2	6.43	1125	0.01
5000E 5050N	244 --	3.47	0.1	3.2	270	0.5	0.06	0.1	2.38	354	48	115.5	15.8	0.2	6.79	30	6	3.59	1145	0.04
5000E 5075N	244 --	3.49	< 0.1	2.6	360	0.5	0.02	0.1	2.14	365	48	74.7	15.8	0.2	6.73	40	6	3.49	1180	0.03
5000E 5100N	244 --	3.67	0.1	2.0	350	0.5	0.02	0.1	2.33	353	45	112.5	16.0	0.3	7.23	40	6	3.48	1380	0.04
5000E 5125N	244 --	3.99	0.1	3.2	370	1.0	0.06	0.1	2.22	341	47	91.5	18.4	0.3	7.83	40	8	3.39	1600	0.05
5000E 5150N	244 --	3.18	0.2	3.6	280	1.0	0.06	0.1	1.85	237	35	77.4	13.6	0.1	6.15	40	6	2.32	1300	0.06

CERTIFICATION: *Hart Kishler*



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TO: HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD.

405 - 470 GRANVILLE ST.
 VANCOUVER, BC
 V6C 1V5

Project: 2316/2317
 Comments: ATTN: M. BUCHANAN

Page Number: 2-B
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 Certificate Date: 10-NOV-1994
 Invoice No.: 19834571
 P.O. Number: 00980827-0
 Account: T

CERTIFICATE OF ANALYSIS A9834571

SAMPLE	PREP CODE	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Ag ppm	Na %	Sr ppm	To ppm	Tl ppm	Tl %	W ppm	U ppm	V ppm	Zn ppm
4800E 5225N	244 --	1.2	150	1670	0.03	9	0.12 < 0.01		48	< 0.1	< 0.1	0.24	0.25	1.35	174	108
4800E 5250N	244 --	1.0	69	1690	0.04	4	0.08 < 0.01		38	< 0.1	< 0.1	0.11	0.15	0.45	107	72
4900E 4750N	244 --	1.8	73	1530	0.06	6	0.14 < 0.01		60	< 0.1	< 0.1	0.45	0.45	0.85	153	84
4900E 4775N	244 --	1.4	63	1250	0.04	5	0.10 < 0.01		30	< 0.1	< 0.1	0.42	0.35	0.90	137	76
4900E 4800N	244 --	1.2	109	1510	0.14	10	0.14 < 0.01		80	< 0.1	< 0.1	0.60	0.40	0.75	167	114
4900E 4825N	244 --	1.2	170	2020	0.04	8	0.18 < 0.01		94	< 0.1	< 0.1	0.26	0.25	0.75	142	108
4900E 4850N	244 --	1.0	295	1380	0.02	5	0.14 < 0.01		52	< 0.1	< 0.1	0.26	0.15	0.60	101	84
4900E 4875N	244 --	0.6	618	640	0.01	7	0.18 < 0.01		60	< 0.1	< 0.1	0.42	0.10	0.45	112	104
4900E 4900N	244 --	0.6	446	820	0.02	3	0.08 < 0.01		23	< 0.1	< 0.1	0.12	0.10	0.50	53	92
4900E 4925N	244 --	0.4	717	650	0.01	4	0.12 < 0.01		27	< 0.1	< 0.1	0.15	0.10	0.50	49	92
4900E 4950N	244 --	0.4	578	920	0.01	3	0.12 < 0.01		31	< 0.1	< 0.1	0.12	0.10	0.40	51	94
4900E 4975N	244 --	0.6	739	580	0.01	3	0.10 < 0.01		28	< 0.1	< 0.1	0.12	0.10	0.40	55	102
4900E 5000N	244 --	0.8	710	580	0.01	4	0.16 < 0.01		48	< 0.1	< 0.1	0.26	0.05	0.25	89	108
4900E 5025N	244 --	1.2	765	590	0.01	9	0.14 < 0.01		37	< 0.1	< 0.1	0.25	0.05	0.40	134	124
4900E 5050N	244 --	0.6	823	500	0.03	8	0.16 < 0.01		124	< 0.1	< 0.1	0.38	0.05	0.45	126	126
4900E 5075N	244 --	0.8	298	1040	0.04	10	0.20 < 0.01		85	< 0.1	< 0.1	0.50	0.20	0.45	179	130
4900E 5100N	244 --	1.0	176	1410	0.04	7	0.16 < 0.01		61	< 0.1	< 0.1	0.28	0.30	0.85	147	108
4900E 5125N	244 --	1.0	146	1760	0.03	5	0.12 < 0.01		52	< 0.1	< 0.1	0.17	0.20	0.75	121	82
4900E 5150N	244 --	1.2	96	1680	0.03	4	0.10 < 0.01		58	< 0.1	< 0.1	0.15	0.20	0.60	109	82
4900E 5175N	244 --	0.8	99	1430	0.03	5	0.10 < 0.01		59	< 0.1	< 0.1	0.17	0.20	0.60	108	98
4900E 5200N	244 --	1.2	96	1350	0.03	7	0.10 < 0.01		44	< 0.1	< 0.1	0.21	0.25	1.15	138	82
4900E 5225N	244 --	0.6	94	1460	0.04	7	0.10 < 0.01		41	< 0.1	< 0.1	0.25	0.20	0.70	150	82
4900E 5250N	244 --	0.8	117	1260	0.02	7	0.10 < 0.01		38	< 0.1	< 0.1	0.22	0.20	0.80	136	84
5000E 4750N	244 --	1.0	216	1640	0.05	9	0.18 < 0.01		76	< 0.1	< 0.1	0.58	0.40	0.85	141	106
5000E 4775N	244 --	1.0	266	1460	0.03	9	0.20 < 0.01		61	< 0.1	< 0.1	0.56	0.45	0.80	137	106
5000E 4800N	244 --	0.8	443	990	0.02	7	0.16 < 0.01		55	< 0.1	< 0.1	0.40	0.20	0.65	119	104
5000E 4825N	244 --	0.6	428	960	0.05	6	0.14 < 0.01		55	< 0.1	< 0.1	0.36	0.20	0.55	105	100
5000E 4850N	244 --	0.6	535	720	0.03	4	0.12 < 0.01		38	< 0.1	< 0.1	0.18	0.10	0.70	71	96
5000E 4875N	244 --	0.8	563	690	0.02	5	0.14 < 0.01		50	< 0.1	< 0.1	0.26	0.10	0.65	92	106
5000E 4900N	244 --	0.2	684	540	< 0.01	3	0.10 < 0.01		51	< 0.1	< 0.1	0.15	0.05	0.40	54	100
5000E 4925N	244 --	0.8	809	470	< 0.01	3	0.10 < 0.01		40	< 0.1	< 0.1	0.13	0.05	0.35	64	106
5000E 4950N	244 --	0.6	536	820	0.02	3	0.10 < 0.01		23	< 0.1	< 0.1	0.14	0.10	0.45	56	110
5000E 4975N	244 --	0.6	781	450	0.01	2	0.22 < 0.01		78	< 0.1	< 0.1	0.12	0.05	0.35	49	102
5000E 5000N	244 --	0.6	844	510	< 0.01	6	0.16 < 0.01		36	< 0.1	< 0.1	0.29	0.05	0.40	111	132
5000E 5025N	244 --	0.6	718	570	0.04	5	0.08 < 0.01		149	< 0.1	< 0.1	0.32	0.05	0.40	94	114
5000E 5050N	244 --	0.8	241	1960	0.12	7	0.18 < 0.01		102	< 0.1	< 0.1	0.28	0.25	0.70	122	112
5000E 5075N	244 --	1.0	189	2500	0.20	7	0.16 < 0.01		163	< 0.1	< 0.1	0.39	0.30	0.75	133	110
5000E 5100N	244 --	0.8	178	2770	0.24	8	0.20 < 0.01		185	< 0.1	< 0.1	0.37	0.35	1.05	130	112
5000E 5125N	244 --	1.0	169	2440	0.15	9	0.20 < 0.01		139	< 0.1	< 0.1	0.43	0.40	1.10	147	122
5000E 5150N	244 --	1.0	104	1830	0.05	6	0.18 < 0.01		80	< 0.1	< 0.1	0.31	0.25	1.00	135	84

CERTIFICATION: *Hank Kuebler*



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THE B.C. MINING DEVELOPMENT CO. LTD.

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Project: 2316/2317
 Comments: ATTN: M. BUCHANAN

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 Invoice No. : 19834571
 P.O. Number : 00980827-0
 Account : T

CERTIFICATE OF ANALYSIS A9834571

SAMPLE	PREP CODE	Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm	Hg ppm
5000E 5175N	244 --	3.80	0.1	3.0	250	1.0	0.06	0.1	1.80	320	42	89.5	16.6	0.2	7.30	30	8	3.44	1290	0.04
5000E 5200N	244 --	2.99	0.3	4.0	230	1.0	0.08	0.1	2.34	208	33	105.5	13.0	0.1	5.65	40	6	2.06	1250	0.09
5000E 5225N	244 --	3.27	0.2	2.8	280	1.0	0.06	0.3	1.34	244	40	107.5	14.3	0.2	6.45	40	8	2.62	1445	0.07
5000E 5250N	244 --	3.17	0.1	3.4	240	0.5	0.08	0.2	2.09	245	34	87.2	13.9	0.1	6.16	30	8	2.49	1140	0.07
5100E 4750N	244 --	3.77	0.1	2.2	160	0.5	0.06	0.2	1.36	288	51	88.4	13.8	0.2	6.37	20	4	3.89	855	0.03
5100E 4775N	244 --	3.52	0.1	2.6	110	< 0.5	0.04	0.2	1.84	292	58	94.6	11.6	0.2	6.22	10	2	4.51	760	0.04
5100E 4800N	244 --	2.57	0.2	2.4	130	< 0.5	0.06	0.4	1.67	126	32	48.8	8.5	0.1	5.06	10	4	2.16	750	0.07
5100E 4825N	244 --	1.70	0.1	3.4	160	< 0.5	0.06	0.1	1.24	263	59	85.0	11.1	0.1	6.37	10	4	4.81	925	0.03
5100E 4850N	244 --	3.63	0.1	1.8	120	< 0.5	0.04	0.1	0.96	227	73	86.1	9.7	0.1	6.41	10	2	5.70	740	0.01
5100E 4875N	244 --	3.86	0.1	1.4	140	< 0.5	0.02	0.1	0.93	230	81	91.8	9.7	0.1	6.67	10	2	6.48	795	0.01
5100E 4900N	244 --	3.57	0.1	1.6	160	< 0.5	0.04	0.1	0.82	229	78	84.0	8.7	0.1	7.05	< 10	2	6.16	785	0.02
5100E 4925N	244 --	3.44	< 0.1	1.6	210	< 0.5	0.02	0.1	0.86	249	86	92.7	9.5	0.2	6.91	10	2	6.25	915	0.03
5100E 4950N	244 --	3.57	0.1	2.4	220	< 0.5	0.06	0.1	1.20	276	62	88.1	9.3	0.1	6.87	10	4	5.31	760	0.04
5100E 4975N	244 --	2.86	0.3	11.8	160	0.5	0.08	0.3	1.03	175	74	66.3	9.6	0.1	6.93	10	6	2.51	2160	0.05
5100E 5000N	244 --	4.48	0.1	4.8	160	< 0.5	0.06	0.1	2.84	416	104	117.0	16.0	0.3	8.78	10	4	5.74	1900	0.03
5100E 5025N	244 --	4.16	< 0.1	1.6	140	< 0.5	0.04	0.1	1.16	349	88	95.0	11.4	0.3	7.59	10	4	7.83	960	0.03
5100E 5050N	244 --	4.27	< 0.1	1.0	150	0.5	0.02	0.1	2.73	348	75	89.3	15.7	0.2	7.78	10	2	5.24	1365	0.01
5100E 5075N	244 --	3.24	0.1	2.6	250	1.0	0.06	0.2	2.37	367	46	88.6	13.5	0.2	6.57	40	16	2.43	1780	0.05
5100E 5100N	244 --	3.79	0.2	3.2	270	1.5	0.06	0.3	1.64	260	51	98.7	17.7	0.3	7.78	40	8	2.78	1860	0.07
5100E 5125N	244 --	3.55	0.3	5.2	300	1.5	0.08	0.1	1.18	210	47	51.8	15.9	0.2	7.67	30	10	2.37	1655	0.05
5100E 5150N	244 --	2.81	0.3	4.8	300	1.0	0.10	0.1	2.00	166	34	70.2	11.8	0.1	5.84	40	8	1.65	1575	0.07
5100E 5175N	244 --	3.31	0.3	5.4	370	1.0	0.04	0.1	1.63	334	42	81.2	14.1	0.1	6.55	40	6	2.87	1240	0.04
5100E 5200N	244 --	2.94	0.2	3.0	240	1.0	0.06	0.1	1.87	269	42	65.7	12.5	0.1	5.50	40	5	2.29	1220	0.06
5100E 5225N	244 --	3.08	0.1	3.4	200	0.5	0.02	0.1	1.89	424	39	72.8	13.2	0.2	5.64	30	2	3.19	845	0.04
5100E 5250N	244 --	2.57	0.3	3.8	240	0.5	0.06	0.1	2.44	224	34	69.5	10.1	0.1	4.73	40	4	2.18	1440	0.07
5200E 4750N	244 --	4.56	< 0.1	0.8	120	1.0	< 0.02	< 0.1	1.62	93	47	38.4	20.9	0.4	8.66	40	6	3.47	1455	0.01
5200E 4775N	244 --	3.95	0.1	2.2	170	2.0	0.08	0.3	1.48	160	48	126.0	16.3	0.3	7.45	40	14	2.74	2120	0.05
5200E 4800N	244 --	4.73	0.1	3.6	130	1.0	0.06	0.2	3.31	493	75	130.5	21.7	0.3	9.45	30	10	4.43	1735	0.03
5200E 4825N	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
5200E 4850N	244 --	4.20	0.1	1.0	120	1.0	0.02	0.1	1.60	212	51	87.4	16.2	0.3	8.09	30	8	3.53	1705	0.04
5200E 4875N	244 --	5.21	< 0.1	0.8	120	0.5	0.02	0.2	1.84	849	103	126.0	19.8	0.4	9.02	10	4	6.52	1595	0.03
5200E 4900N	244 --	3.03	0.1	5.4	300	< 0.5	0.02	0.1	1.77	286	67	108.5	10.7	0.2	6.85	10	2	4.57	1010	0.03
5200E 4925N	244 --	3.05	0.2	17.0	200	< 0.5	0.06	0.3	2.04	245	63	114.5	12.2	0.2	7.77	10	8	3.34	1485	0.05
5200E 4950N	244 --	2.83	0.5	34.8	190	0.5	0.06	0.4	1.58	231	84	115.0	14.1	0.4	10.35	30	6	2.48	2070	0.06
5200E 4975N	244 --	2.50	0.2	11.2	180	0.5	0.08	0.3	2.51	115	76	105.5	11.3	0.1	5.57	30	6	1.66	2460	0.09
5200E 5000N	244 --	2.83	0.3	15.6	220	< 0.5	0.10	0.4	3.49	245	74	124.0	15.1	0.3	8.66	10	8	2.97	2070	0.07
5200E 5025N	244 --	2.19	0.2	5.0	170	< 0.5	0.08	0.2	2.51	207	46	77.0	10.5	0.1	5.22	10	4	2.40	1075	0.09
5200E 5050N	244 --	5.17	< 0.1	1.4	80	0.5	0.02	0.1	2.53	484	68	71.0	22.4	0.1	9.63	10	< 2	7.10	1295	< 0.01
5200E 5075N	244 --	5.43	< 0.1	5.4	130	0.5	0.04	0.1	3.98	596	81	107.5	30.2	0.4	10.25	10	6	6.91	1620	0.01
5200E 5100N	244 --	2.15	0.2	3.2	140	0.5	0.10	0.3	1.35	161	31	36.2	11.6	0.1	5.23	10	6	1.75	950	0.10

CERTIFICATION: Hawthorne



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HUDSON BAY ECONOMIC DEVELOPMENT CO. LTD.

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CERTIFICATE OF ANALYSIS A9834571

SAMPLE	PREP CODE	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Ag ppm	Na %	Sr ppm	Te ppm	Tl ppm	Tl %	W ppm	U ppm	V ppm	Zn ppm
5000E 5175N	244 --	1.0	138	1710	0.07	9	0.16 < 0.01		72	< 0.1	< 0.1	0.42	0.30	0.90	148	110
5000E 5200N	244 --	1.4	85	2190	0.04	6	0.20 < 0.01		73	< 0.1	< 0.1	0.20	0.20	1.10	140	86
5000E 5225N	244 --	1.0	114	2130	0.07	6	0.20 < 0.01		80	< 0.1	< 0.1	0.20	0.25	0.95	127	96
5000E 5250N	244 --	1.0	107	1860	0.04	6	0.20 < 0.01		67	< 0.1	< 0.1	0.22	0.20	0.95	137	94
5100E 4750N	244 --	0.8	315	1300	0.05	8	0.18 < 0.01		50	< 0.1	< 0.1	0.50	0.25	0.75	119	108
5100E 4775N	244 --	0.8	404	1000	0.03	6	0.16 < 0.01		74	< 0.1	< 0.1	0.32	0.15	0.50	98	104
5100E 4800N	244 --	0.8	167	1750	0.07	3	0.12 < 0.01		90	< 0.1	< 0.1	0.22	0.20	0.55	82	104
5100E 4825N	244 --	1.0	420	830	0.03	5	0.14 < 0.01		53	< 0.1	< 0.1	0.26	0.15	0.85	89	96
5100E 4850N	244 --	0.6	535	620	0.03	3	0.12 < 0.01		41	< 0.1	< 0.1	0.21	0.05	0.55	63	88
5100E 4875N	244 --	0.6	603	630	0.01	3	0.14 < 0.01		49	< 0.1	< 0.1	0.20	0.05	0.50	60	94
5100E 4900N	244 --	0.6	598	870	0.02	3	0.12 < 0.01		48	< 0.1	< 0.1	0.11	0.05	0.45	53	98
5100E 4925N	244 --	0.6	630	550	0.01	4	0.14 < 0.01		34	< 0.1	< 0.1	0.19	0.05	0.40	68	96
5100E 4950N	244 --	0.6	592	870	0.02	4	0.10 < 0.01		42	< 0.1	< 0.1	0.11	0.05	0.45	64	96
5100E 4975N	244 --	1.2	317	760	0.03	7	0.10 < 0.01		24	< 0.1	< 0.1	0.26	0.05	0.85	109	86
5100E 5000N	244 --	1.4	654	700	0.01	7	0.20 < 0.01		46	< 0.1	< 0.1	0.37	0.05	0.55	117	122
5100E 5025N	244 --	1.4	650	620	0.01	4	0.18 < 0.01		45	< 0.1	< 0.1	0.25	0.05	0.40	79	106
5100E 5050N	244 --	0.6	426	1000	0.05	8	0.16 < 0.01		69	< 0.1	< 0.1	0.44	0.15	0.50	136	114
5100E 5075N	244 --	1.0	127	1900	0.06	7	0.20 < 0.01		85	< 0.1	< 0.1	0.30	0.30	0.85	144	96
5100E 5100N	244 --	1.4	129	1780	0.08	9	0.22 < 0.01		69	< 0.1	< 0.1	0.37	0.35	0.95	167	110
5100E 5125N	244 --	1.8	97	1200	0.05	8	0.16 < 0.01		45	< 0.1	< 0.1	0.54	0.40	0.85	177	102
5100E 5150N	244 --	1.4	79	2040	0.05	5	0.18 < 0.01		84	< 0.1	< 0.1	0.15	0.25	0.90	123	76
5100E 5175N	244 --	1.2	154	2180	0.14	8	0.20 < 0.01		114	< 0.1	< 0.1	0.39	0.25	0.75	120	100
5100E 5200N	244 --	1.2	112	1520	0.03	7	0.18 < 0.01		76	< 0.1	< 0.1	0.31	0.25	0.95	123	80
5100E 5225N	244 --	1.0	179	1180	0.01	7	0.16 < 0.01		57	< 0.1	< 0.1	0.34	0.20	0.80	134	88
5100E 5250N	244 --	1.0	110	1460	0.02	7	0.18 < 0.01		62	< 0.1	< 0.1	0.17	0.15	0.90	109	70
5200E 4750N	244 --	0.2	78	2830	0.60	5	0.22 < 0.01		111	< 0.1	< 0.1	0.50	0.45	0.80	123	134
5200E 4775N	244 --	0.6	118	1250	0.11	8	0.24 < 0.01		182	< 0.1	< 0.1	0.45	0.30	0.80	160	132
5200E 4800N	244 --	1.4	265	2500	0.12	11	0.34 < 0.01		119	< 0.1	< 0.1	0.67	0.70	0.70	213	148
5200E 4825N	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
5200E 4850N	244 --	0.4	139	1510	0.09	8	0.32 < 0.01		108	< 0.1	< 0.1	0.73	0.35	0.70	156	122
5200E 4875N	244 --	0.6	651	880	0.07	13	0.32 < 0.01		68	< 0.1	< 0.1	0.57	0.25	0.65	169	140
5200E 4900N	244 --	1.4	452	700	0.01	5	0.12 < 0.01		50	< 0.1	< 0.1	0.20	0.10	0.60	93	96
5200E 4925N	244 --	9.8	372	950	0.01	7	0.16 < 0.01		49	< 0.1	< 0.1	0.26	0.10	1.30	115	100
5200E 4950N	244 --	38.2	279	840	0.02	12	0.26 < 0.01		40	< 0.1	0.3	0.44	0.15	1.25	167	110
5200E 4975N	244 --	2.0	189	1530	0.02	5	0.16 < 0.01		55	< 0.1	< 0.1	0.20	0.10	1.30	128	76
5200E 5000N	244 --	11.8	276	1100	0.01	12	0.22 < 0.01		78	< 0.1	0.1	0.44	0.20	1.80	188	118
5200E 5025N	244 --	1.8	215	860	0.02	5	0.12 < 0.01		55	< 0.1	< 0.1	0.24	0.10	0.85	93	98
5200E 5050N	244 --	0.2	268	930	0.01	7	0.06 < 0.01		44	< 0.1	< 0.1	0.28	0.15	0.20	148	140
5200E 5075N	244 --	0.4	288	950	0.01	11	0.26 < 0.01		78	< 0.1	< 0.1	0.49	0.15	0.35	203	158
5200E 5100N	244 --	1.4	84	1470	0.05	4	0.12 < 0.01		57	< 0.1	< 0.1	0.34	0.30	0.60	103	92

CERTIFICATION: *H. Buchanan*



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405 - 470 GRANVILLE ST.
 VANCOUVER, BC
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Project: 2316/2317
 Comments: ATTN: M. BUCHANAN

Page Number : 4-A
 Total Pages : 8
 Certificate Date: 10-NOV-1991
 Invoice No. : 19834571
 P.O. Number : 00980827-0
 Account : T

CERTIFICATE OF ANALYSIS A9834571

SAMPLE	PREP CODE	Al %	Sb ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Cd ppm	Ca %	Cr ppm	Co ppm	Cu ppm	Ga ppm	Ge ppm	Fe %	La ppm	Pb ppm	Mg %	Mn ppm	Hg ppm
5200E 5125N	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
5200E 5150N	244 --	3.29	0.2	4.0	210	1.5	0.06	0.1	1.29	183	36	50.2	15.4	0.2	6.42	30	18	2.22	1460	0.04
5200E 5175N	244 --	3.40	0.3	4.4	220	1.5	0.06	0.2	1.65	201	40	60.9	16.5	0.1	6.27	30	8	2.62	1620	0.04
5200E 5200N	244 --	3.35	0.1	3.8	180	0.5	0.06	0.3	8.19	105	35	43.4	18.2	0.1	6.09	30	6	2.43	2040	0.09
5200E 5225N	244 --	2.64	0.3	5.6	200	1.0	0.08	0.1	1.66	181	33	35.6	13.4	0.1	5.56	20	6	1.58	1425	0.10
5200E 5250N	244 --	1.51	0.2	3.2	240	0.5	0.06	0.2	2.65	72	14	44.2	6.5	< 0.1	2.74	20	4	0.72	750	0.10
5000N 4725E	244 --	4.47	0.1	6.8	190	< 0.5	0.08	0.3	1.77	531	94	122.5	17.9	0.1	8.22	10	6	5.43	1710	0.09
5000N 4750E	244 --	4.57	< 0.1	2.0	70	< 0.5	0.02	0.1	1.18	474	92	104.0	14.2	0.3	7.35	10	2	7.36	1020	0.02
5000N 4775E	244 --	4.35	0.1	2.6	250	< 0.5	0.04	0.3	1.35	493	91	109.5	15.8	0.2	8.28	10	2	5.96	1280	0.03
5000N 4800E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
5000N 4825E	244 --	4.47	0.1	3.0	210	< 0.5	0.02	0.1	1.43	619	109	133.0	17.2	0.3	9.88	10	2	5.88	1890	0.04
5000N 4850E	244 --	4.43	0.3	4.0	190	< 0.5	0.04	0.2	1.28	557	98	122.5	15.7	0.3	8.94	10	2	6.04	1610	0.05
5000N 4875E	244 --	4.24	0.1	2.6	190	< 0.5	0.02	0.1	1.47	532	92	112.0	14.6	0.3	8.52	10	2	5.87	1305	0.04
5000N 4900E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
5000N 4925E	244 --	4.15	0.1	1.8	190	< 0.5	0.02	0.1	1.64	425	92	109.0	14.1	0.3	8.10	10	4	6.63	1130	0.04
5000N 4950E	244 --	4.30	< 0.1	0.8	200	< 0.5	0.02	0.1	1.28	369	109	115.0	13.3	0.3	7.92	< 10	18	7.80	1125	0.01
5000N 4975E	244 --	4.30	< 0.1	2.4	200	< 0.5	0.02	0.1	1.43	489	114	119.5	15.9	0.3	8.78	10	10	6.83	1220	0.01
5000N 5000E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
5000N 5025E	244 --	4.23	< 0.1	2.0	190	< 0.5	0.02	0.1	1.33	383	115	120.5	13.3	0.3	8.10	10	10	7.23	1270	0.03
5000N 5050E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
5000N 5075E	244 --	4.07	< 0.1	1.6	150	< 0.5	0.04	0.1	1.47	339	96	96.8	11.4	0.2	7.46	10	10	7.68	1090	0.01
5000N 5100E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
5000N 5125E	244 --	1.58	0.2	9.4	170	0.5	0.08	0.3	2.21	267	83	102.0	14.8	0.3	8.00	10	8	4.18	2430	0.06
5000N 5150E	244 --	2.50	0.4	12.8	200	0.5	0.10	0.5	3.86	159	73	99.0	10.9	0.1	6.94	20	10	2.13	3150	0.12
5000N 5175E	244 --	2.50	0.3	17.4	240	0.5	0.14	0.4	3.36	151	97	158.5	12.7	0.3	7.74	20	16	2.28	2850	0.10
5000N 5200E	244 --	3.23	0.3	15.4	210	0.5	0.12	0.4	2.17	304	94	171.5	17.6	0.4	10.20	20	12	3.48	2380	0.06
5000N 5225E	244 --	2.41	0.6	40.8	120	0.5	0.08	0.6	3.84	121	99	169.5	14.4	0.5	13.65	20	14	2.41	2340	0.06
5000N 5250E	244 --	4.16	0.1	4.2	120	0.5	0.08	0.1	1.55	314	59	93.4	19.6	0.4	8.32	10	6	5.24	1270	0.04
5000N 5275E	244 --	3.28	0.1	3.4	150	0.5	0.10	0.1	1.42	260	40	62.9	15.0	0.3	6.67	10	16	3.54	930	0.05
5000N 5300E	244 --	2.87	0.5	6.2	130	0.5	0.16	0.1	0.57	162	34	43.8	13.4	0.1	6.91	10	18	1.66	1245	0.07



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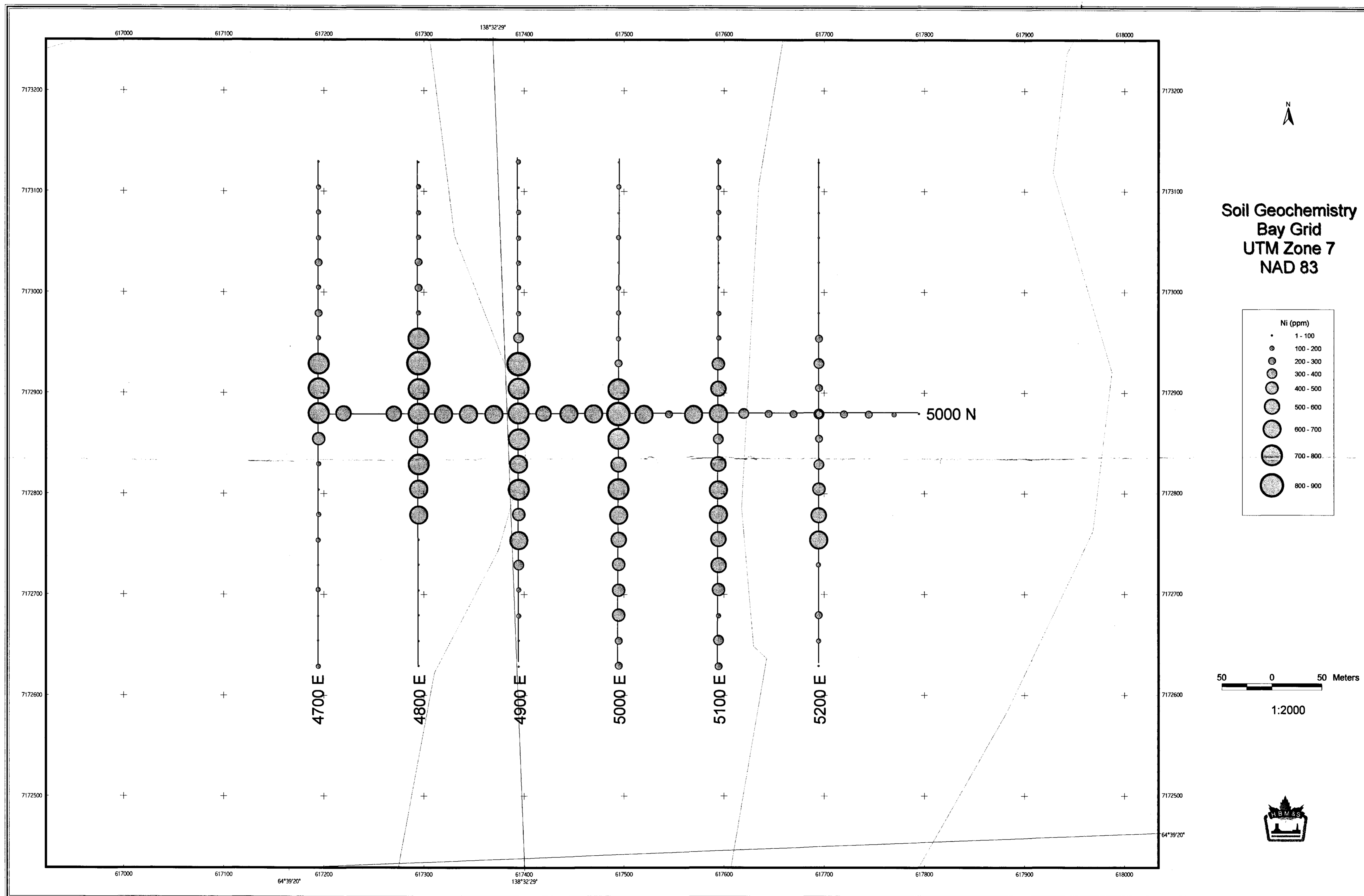
CERTIFICATE OF ANALYSIS A9834571

SAMPLE	PREP CODE	Mo ppm	Ni ppm	P ppm	K %	Sc ppm	Ag ppm	Na %	Sr ppm	Te ppm	Tl ppm	Ti %	W ppm	U ppm	V ppm	Zn ppm
5200E 5125N	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
5200E 5150N	244 --	1.2	81	900	0.03	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
5200E 5175N	244 --	1.0	105	1130	0.03	8	0.18 < 0.01	53	< 0.1	< 0.1	0.65	NotRed	NotRed	NotRed	NotRed	NotRed
5200E 5200N	244 --	0.8	56	1440	0.06	7	0.16 < 0.01	67	< 0.1	< 0.1	0.44	0.40	0.80	164	94	
5200E 5225N	244 --	2.2	79	1420	0.08	4	0.14 < 0.01	131	< 0.1	< 0.1	0.36	0.30	0.75	138	100	
5200E 5250N	244 --	0.8	36	1870	0.04	5	0.14 < 0.01	57	< 0.1	< 0.1	0.37	0.35	0.55	118	112	
5000N 4725E	244 --	1.6	592	1150	0.03	2	0.12 < 0.01	99	< 0.1	< 0.1	0.08	0.10	0.40	60	54	
5000N 4750E	244 --	0.8	684	410	< 0.01	5	0.20 < 0.01	80	< 0.1	< 0.1	0.15	0.15	1.15	129	132	
5000N 4775E	244 --	1.0	653	730	0.01	6	0.20 < 0.01	26	< 0.1	< 0.1	0.30	0.05	0.30	82	98	
5000N 4800E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
5000N 4825E	244 --	1.2	842	560	0.03	6	0.18 < 0.01	33	< 0.1	< 0.1	0.34	0.10	0.45	110	126	
5000N 4850E	244 --	1.8	727	690	0.02	8	0.20 < 0.01	37	< 0.1	< 0.1	0.28	0.05	0.30	126	132	
5000N 4875E	244 --	1.6	698	650	0.01	6	0.16 < 0.01	40	< 0.1	< 0.1	0.25	0.05	0.40	113	126	
5000N 4900E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
5000N 4925E	244 --	1.0	615	640	0.01	5	0.16 < 0.01	47	< 0.1	< 0.1	0.23	0.05	0.30	106	116	
5000N 4950E	244 --	0.6	699	530	< 0.01	4	0.20 < 0.01	52	< 0.1	< 0.1	0.26	0.05	0.30	89	110	
5000N 4975E	244 --	0.6	720	540	0.01	7	0.20 < 0.01	43	< 0.1	< 0.1	0.30	0.05	0.35	77	104	
5000N 5000E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
5000N 5025E	244 --	0.6	706	560	0.01	5	0.20 < 0.01	43	< 0.1	< 0.1	0.37	0.05	0.45	107	126	
5000N 5050E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
5000N 5075E	244 --	0.8	630	570	< 0.01	4	0.20 < 0.01	43	< 0.1	< 0.1	0.29	0.05	0.50	86	114	
5000N 5100E	-- --	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
5000N 5125E	244 --	3.2	371	810	0.01	7	0.20 < 0.01	43	< 0.1	< 0.1	0.30	0.05	0.40	72	100	
5000N 5150E	244 --	6.6	237	1120	0.03	17	0.20 < 0.01	36	< 0.1	< 0.1	0.37	0.05	0.45	107	126	
5000N 5175E	244 --	3.2	270	1060	0.04	8	0.18 < 0.01	76	0.1	0.1	0.55	0.10	0.95	159	114	
5000N 5200E	244 --	12.0	338	990	0.01	10	0.24 < 0.01	67	0.1	< 0.1	0.28	0.10	1.35	131	108	
5000N 5225E	244 --	43.8	256	970	0.01	16	0.28 < 0.01	67	0.1	< 0.1	0.37	0.15	1.60	161	120	
5000N 5250E	244 --	1.2	208	1010	0.02	12	0.32 < 0.01	47	< 0.1	0.1	0.57	0.25	1.95	206	132	
5000N 5275E	244 --	1.0	149	980	0.02	11	0.24 < 0.01	75	< 0.1	0.1	0.47	0.20	2.95	182	122	
5000N 5300E	244 --	1.6	78	980	0.05	8	0.18 < 0.01	39	< 0.1	< 0.1	0.60	0.20	0.70	162	120	
						5	0.12 < 0.01	38	< 0.1	< 0.1	0.47	0.15	0.60	133	98	
								26	< 0.1	< 0.1	0.44	0.30	0.80	151	94	

Appendix 4

Personnel

<u>Name:</u>	<u>Position</u>
Michael Buchanan Box 203 141-757 West Hastings St. Vancouver, B.C. V6C 1A1	Project Geologist
Manfred Hebel #706 – 4639 West 10 th Ave Vancouver, B.C. V6R 2J3	Geologist
Alena James 3738 West 21 st Avenue Vancouver, B.C. V6S 1H3	Geological Assistant
Naomi Kermeen 4405 West 16 th Ave Vancouver, B.C. V6R 3E7	Geological Assistant
Geoff Mulligan 956 – 5959 Student Union Blvd. Vancouver, B.C. V6T 1K2	Geological Assistant
Tim Schwartz PO Box 831 Flin Flon Vancouver, B.C. R8A 1N6	Geologist
Jim Sparling PO Boc 61 Vancouver, B.C. R8A 1M6	Geologist



**Soil Geochemistry
Bay Grid
UTM Zone 7
NAD 83**

Ni (ppm)	
•	1 - 100
◦	100 - 200
◐	200 - 300
◑	300 - 400
◒	400 - 500
◓	500 - 600
◔	600 - 700
◕	700 - 800
◖	800 - 900

