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GEOLOGICAL, GEOCHEMICAL

ASSESSMENT REPORT ON

THE DARB PROPERTY

N.T.S.: MAPSHEET 94D/8

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Operator: Hemlo Gold Mines Inc.
Date: September, 1994

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

23,545

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1.0 INTRODUCTION

During the period between June 14 and July 9, 1994, Noranda Exploration Company, Limited conducted prospecting, soil and rock geochemistry and mapping on the Darb claim block.

The focus of the exploration programme described in this report was to delineate stratigraphy and intrusive activity favourable to bulk-tonnage Cu-Au type mineralization.

This report describes the work conducted by Noranda during the 1994 field programme and incorporates historic data (gained through Government assessment reports) in an effort to define further possible Cu-Au occurrences.

1.1 Location and Access

The Darb property area is located approximately 200 km north-northeast of Smithers, B.C. on N.T.S. Mapsheet 94D/8 in the Omineca Mining Division.

Camp mobilization was achieved by helicopter based at Johanson Lake (see Drawing #2).

1.2 Topography and Physiography

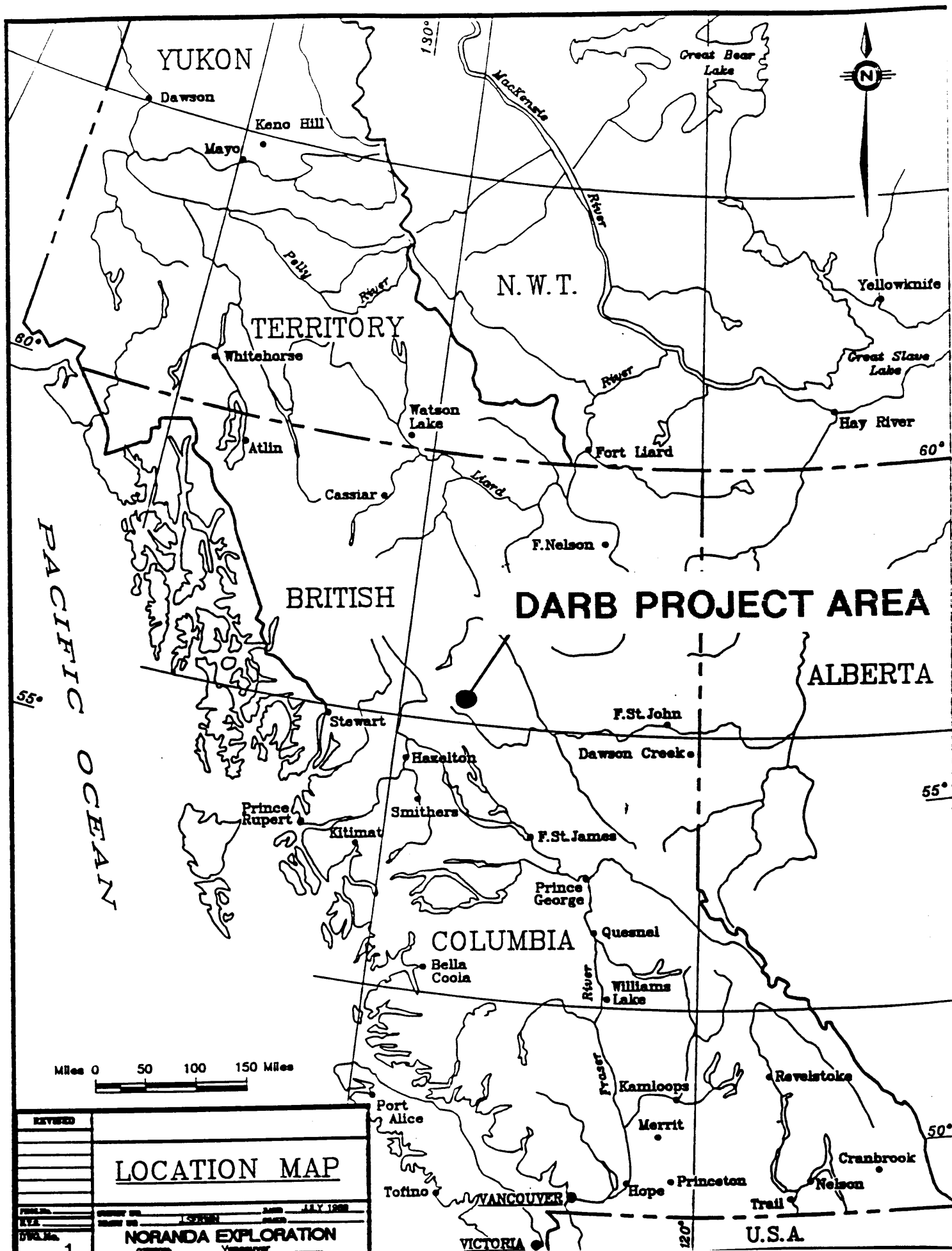
The Darb project area is situated within the Osilinka Ranges and is located approximately 15 km south-southeast of Johanson Lake and stretches along the southwest side of Kliyul Creek. Most of the area is below treeline with elevations ranging from 1280 to 1840 meters. The project area is drained by three main northeast flowing streams that traverse the grid and empty into Kliyul Creek.

Slopes of +30° occur along dominantly north-northwest trending ridges.

1.3 History

Below is a brief outline of documented work performed on the project area and surrounding localities in chronological order.

1949: Preliminary work on auriferous quartz veins conducted by Goldway Peak Mines Ltd. in the Goldway Peak area.



- 1970-1972: The Kliyul property was staked and geochemically and geophysically surveyed by Kennco Explorations. These surveys delineated a 2.5 km x 1.0 km I.P. chargeability anomaly and coincident (yet smaller) copper soil geochemical and magnetic anomalies.
- 1971-1972: Geological, geochemical and geophysical (magnetics) surveys were conducted by El Paso Mining and Milling Co. who discovered skarn zones along the sheared contact between ultramafics and volcanics on lower Kliyul Creek.
- 1973: Kliyul property optioned to Sumac Mines Ltd. who drilled 3 x-ray holes (no results available).
- 1973: San Jacinto Explorations Ltd. performed soil surveying near the gold/quartz veins on Goldway Peak.
- 1974: Sumac Mines drilled 6 'BQ' holes on the Kliyul property to test the West and East Zone copper soil anomalies and 5 'BQ' holes into the magnetic high. The latter drill holes intersected magnetite-copper-gold mineralization within a well fractured, sericite, chlorite, epidote, carbonate, quartz, pyrite skarn hosted by calcareous andesite tuffs and agglomerates and lesser dioritic units. A reserve of 2.5 million tons of 0.3% Cu and 0.03 opt Au was returned from this skarn zone.
- 1974-1975: BP Minerals Ltd. completed geological, geochemical and geophysical (mag/JEM) over the Bap mineral claims which overly intensely sheared, clay-sericite altered feldspar porphyry volcanics/intrusives and auriferous quartz veins.
- 1976: Maxmin (EM) surveying completed over the Bap claims by BP Minerals Ltd.
- 1981: Geological and geochemical surveying was completed by Dupont of Canada on the AS 1 claim near Goldway Creek.
- 1981: Kennco and Vital Pacific drilled 4 NQ holes (1978 feet) into the central skarn zone on the Kliyul property; all in a southerly direction.
- 1982: A trace element study was performed by BP Minerals on previously collected samples from the Bap claims.
- 1982: Further geochemistry was completed in the Goldway Peak area by Dermot Fahey and by Laramie Mining Corporation.
- 1983: A preparatory study to determine road access to Goldway Peak was undertaken by Laramie Mining Corporation.

- 1984: BP Minerals relogged and sampled portions of available core and conducted geological mapping and geochemical sampling on the Kliyul property.
- 1984: Laramie Mining Corporation conducted mapping, geophysics (VLF) and sampling/assaying of their Goldway Peak Property.
- 1984: Mapping and geochemistry was completed in the lower Kliyul Creek area by BP Resources Canada, Ltd.
- 1984: After obtaining the KC 1 & 2 mineral claims and conducting preliminary sampling and prospecting, Golden Rule Resources Ltd. completed further geological, geochemical and geophysical (magnetics) surveys.
- 1985: Geological and geochemical surveying in the Goldway Peak area by BP Resources, Canada, Ltd. delineated auriferous quartz veins and fractures within quartz-carbonate-pyrite altered zones.
- 1985: Further geological, geochemical and geophysical work (magnetics, VLF) was performed by Golden Rule Resources Ltd. on the KC 1 & 2 claims.
- 1985-1986: Prospecting, mapping, trenching and sampling of the auriferous quartz veins in the Goldway Peak area continued with Laramie as the operator.
- 1986: Soil surveying was performed by Lemming Mining Resources for BP Resources on the Bap claims.
- Ritz Resources Ltd. for Goldnev Rule Resources Ltd. performed further geological, geochemical and geophysical (magnetics, VLF) work on the KC 1 & 2 claims.
- 1990: Placer Dome conducted linecutting, magnetometer and VLF-EM surveying, soil and rock sampling and prospecting on the Kliyul property in order to delineate magnetic anomalies similar to the known skarn zone, possible porphyry style mineralization and/or mineralized structures parallel to the large glacial valley.
- 1992: Noranda Exploration Company, Ltd. conducted 1:5,000 geological mapping on the Kliyul property, concentrating on alteration assemblages as well as rock and minor sampling.
- 1993: Noranda completed a 6 hole, 560 meter reverse circulation drill programme on the Kliyul main skarn zone. Results were encouraging enough to pursue options on surrounding properties which host similar stratigraphy, intrusives and mineralization. A helicopter-borne EM-Mag survey was also flown over the Darb property with minimal reconnaissance style sampling.

1.4 Claims

The claims which comprise the Darb property are listed below with corresponding owner, expiry date, tenure numbers and property name. Only those claims with an asterisk beside them are being filed for assessment purposes.

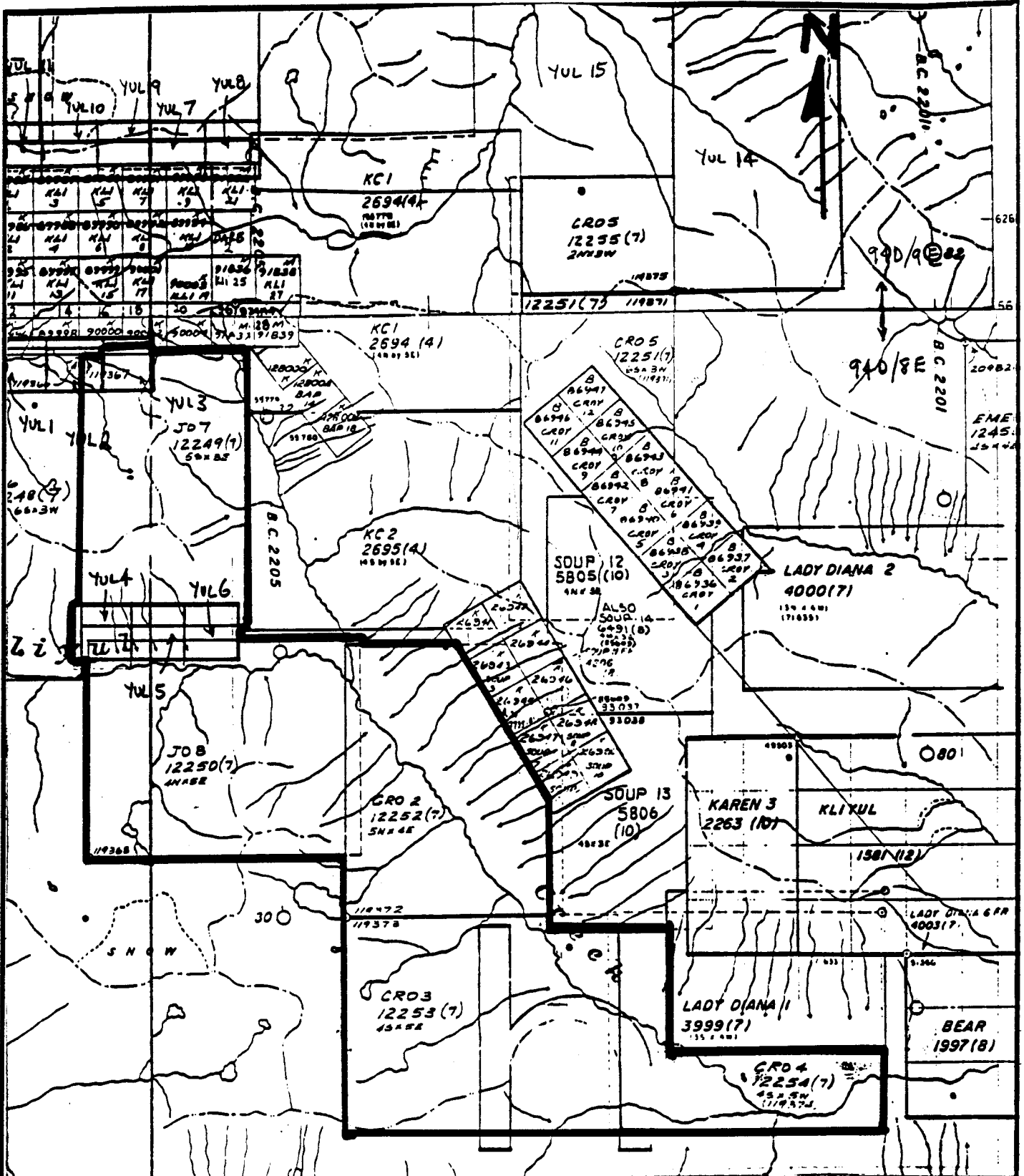
CLAIM	TENURE NO.	UNITS	EXPIRY DATE	OWNER
Cro 1	242401	18	July 14, 1995	Golden Rule
*Cro 2	242402	20	July 11, 1996	Resources Ltd.
*Cro 3	242403	20	July 11, 1997	“ “
*Cro 4	242404	20	July 11, 1997	“ “
Cro 5	242405	6	July 14, 1995	“ “
Jo 4	242396	20	July 13, 1996	“ “
Jo 5	242397	20	July 13, 1996	“ “
Jo 6	242398	18	July 12, 1996	“ “
*Jo 7	242399	15	July 12, 1996	“ “
*Jo 8	242400	20	July 12, 1996	“ “

Please refer to the Statement of Exploration forms at the beginning of this report for further clarification of assessment and work performed on each claim. Following is a map showing the claims involved.

1.5 Economic Potential

The Darb project area is considered to be ideal for hosting high-grade Cu-Fe-Au skarn deposits and/or bulk-tonnage Au-Cu deposits for the following reasons.

1. Favourable stratigraphy (Takla Volcanics) and related intrusive complexes (monzonites - diorites) which form the northern part of the Hogem Batholith, a large hydrothermal cell associated with known porphyry Cu deposits (Mt. Milligan).
2. Known Cu-Fe-Au skarn occurrences exist on adjacent properties.
3. The positioning between the Cu rich porphyry systems to the south and Au-Cu rich porphyry and epithermal deposits to the north (Kemess/Cheni) may suggest a more Au rich zonation northward from the Hogem Batholith.



REVISED	CLAIM LOCATION	
	CRO GROUP	
PROJ. No. _____	SURVEY BY: _____	DATE: FEB 1994
N.T.S. 940/B	DRAWN BY: DGG	SCALE: 1:50,000
DWG. I	NORANDA EXPLORATION	

11827

1.6 Survey Control

The surveying of the flagged and blazed grid lines was conducted with the aid of a compass and metric hipchain and were tied into topographic features such as lakes and drainages. All lines were slope corrected. A total of 18.05 line kilometers of grid was established.

1.7 Sampling

Soil sampling was conducted along metrically chained lines with samples taken every 50 meters to the depth of 20-40 cm with the aid of a shovel or mattock. Soils were collected in brown kraft envelopes for drying, storage, and shipping purposes and sent to Noranda Exploration Laboratory at Unit #1, 7550 - 76th Street, Delta, B.C. Rock samples were collected as grabs whenever representative, altered and/or mineralized formations were encountered.

Please refer to Appendix I for the laboratory analytical techniques and Appendix II & III for sample assay values and descriptions where applicable.

A total of 293 soils and 17 rocks and their accompanying analytical charges are being applied for assessment.

2.0 GEOLOGY

2.1 Regional Geology (See Drawing #3)

The Darb property is situated within the Intermontane Belt which is comprised of Upper Triassic to Lower Jurassic island arc volcanics, volcanoclastics and sediments of the Takla Group which hosts such Cu-Au porphyry deposits as Mt. Milligan and Kemess. The dominantly volcanic package has been intruded by Jura-Cretaceous aged diorites, monzonites and syenites associated with the Hogem Batholith.

Prominent structural features in the area include NW, E-W, N-S and NNE-SSW trending fault systems.

2.2 Detailed Geology

Geological surveying of the Darb project area was conducted at 1:5,000 scale using flagged, metrically chained, slope corrected grid lines and topographic features for control. The resulting map (Drawing #4) shows rock types, sample locations and corresponding Au, Cu results.

Mapping has confirmed that the survey area is underlain by a late Triassic aged volcano-sedimentary succession of Takla Group rocks intruded by Jura-Cretaceous aged gabbros, diorites, monzonites and syenites.

An overall section of the Darb study area was established based on mapping the three main streams that traverse the grid. The section from top (west) to bottom (east) is as follows:

VOLCANICS/SEDIMENTS:

1. **ANDESITE:** Augite/feldspar phyric crystal tuffs exhibiting local weak to strong magnetism, weak to strong propylitic alteration including epidote, chlorite, carbonate. A coarse grained volcanoclastic sequence is also observed near the top of this unit near L608N/835E with rounded clasts to 3 m hosted within a fine grained, ash, crystal tuff matrix with weak to strong (flooded) calcite alteration.
2. **SEDIMENTS:** Grading from fine-grained calcareous siltstones to silty limestones this unit is generally dark grey to black and locally carbonaceous. Bedding exhibits undulations in outcrops with strikes ranging from 174° to 148° and dips between 20-30° west.

DARB LAKE

LAY CK.



2

KLIYUL CLAIMS

2

4

1

2

KLIYUL CK.

4

SOUP CLAIMS

4

CRO CLAIM GROUP

3

DORATELLE CK.

2

3

2

LEGEND

INTRUSIVES



DIORITE, MONZONITE, SYENITE



ULTRAMAFIC ROCKS (PYROXENITE)

TAKLA VOLCANICS (UP. TRIASSIC)



ANDESITES

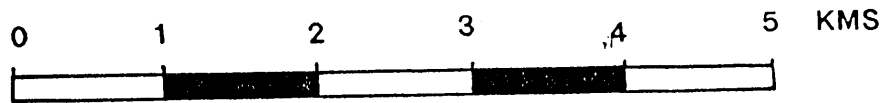


SEDIMENTS (ss, arg. lst.)

3

REGIONAL GEOLOGY

KLIYUL CREEK AREA



★ OCCURRENCES

SCALE 1:50,000

3. **INTERBEDDED ANDESITE/CALCAREOUS SILTSTONES/SILTY LIMESTONE:** Andesite crystal tuffs interbedded with dark grey to black, silty limestone and calcareous siltstones which pinch and swell along strike and weather recessively.
4. **ANDESITE:** Very fine grained to fine grained crystal to ash tuffs exhibiting pervasive chlorite, weak to moderate carbonate and weak to moderate epidote alteration and cut locally by quartz-carbonate veinlets. This unit contains $\leq 2\%$ fine grained disseminated pyrite.

Of interest is the conspicuous gossan zone that is located along the hanging wall of the lower andesite unit which follows topography indicating the shallow dip of the sequence. This gossanous zone contains limonite and up to 5-7% fine grained, disseminated pyrite in an andesite host and is approximately 5 meters thick.

INTRUSIVES:

A large section of intrusives including monzodiorites, diorites, syenites and gabbros exist in the eastern portion of the grid and parallels the NW-SE trending Kliyul Creek valley. A brief description of each unit follows:

5. **GABBRO:** Dark green, coarse grained, chloritic gabbros are located on the eastern sections of Lines 598N, 596N, 594N, 592N, 590N and 588N. Magnetism of this unit varies from moderate to strong.
6. **MONZODIORITE:** Medium grained monzodiorite, light grey to light green, local potassic weathering of potassium feldspars observed, chloritized mafics and weakly magnetic. May contain variable amounts of more melanocratic diorite.
7. **DIORITE:** Medium to coarse grained, light to dark grey (green) with varying amounts of epidote along fractures and rimming plagioclase phenocrysts, chloritized mafics and weak magnetism.
8. **SYENITE:** Syenites within the intrusive package were seen to exist as dykes along monzodiorite/andesite contact and within the andesitic package. The syenite was observed to be coarse to very coarse grained, light to dark grey and pink with weak to strong magnetism. Occasional malachite staining was observed particularly when seen intruding the andesites.

MINERALIZATION:

Most mineralization of significance occurs at the contact of the lower andesite/intrusive package. Here, copper mineralization is locally evident associated with syenite dykes intruding both the volcanic sequence and monzodiorites. Rock samples of the andesites proved to be only weakly sulfidic with up to 3% disseminated pyrite.

No large disseminated pyritic zones or zones of intense alteration were observed on the grid area.

3.0 SOIL GEOCHEMISTRY

Of the 293 soil samples collected only copper results returned anomalous results. Referring to Drawing #5 it is apparent that the long, sinuous anomaly located between Lines 604N and 596N, centered at 841E overlies the monzodiorite, gabbro contact.

Another greater than 200 ppm and in part 500 ppm copper in soil anomaly is located between Lines 596N and 598N centered at 8350E. This zone is open to the south and corresponds with known malachite occurrences in association with syenite dykes cutting andesitic tuffs and with the monzodiorite/andesite contact.

Other elevated values are spotty and localized possibly explained by further dyking or veining confined to small areas.

4.0 CONCLUSIONS

Although copper mineralization was observed along the monzodiorite/andesite contact in association with syenite dykes no large scale alteration signature or zones of significant mineralization were encountered on the gridded area. Reconnaissance style traverses along strike of the open-ended, southeast trending coincident contact zone - copper soil anomaly may be warranted.

REFERENCES

1. Assessment Report #675: Geology of the Soup Claims, K.C. McTaggart, 1965.
2. Assessment Report #5562: Mineralogical Study of Soup Claims, A.J. Sinclair, 1975.
3. Assessment Report #5985: Ground Magnetics, Soup Claims, A.J. Sinclair, 1976.
4. Assessment Report #6410: Geochemical Survey, Soup Claims, B.P. Minerals, 1977.
5. Assessment Report #7033: Litho geochemistry, Soup Claims, A.J. Sinclair, 1978.
6. Assessment Report #9485: Geochemistry, Soup Claims, Vital Resources, 1981.
7. Assessment Report #10,743: Geochem, Geophysics, Geology, Soup Claims, Noranda Exploration, 1982.
8. Assessment Report #13,315: Geology, Geochem, Soup Claims, B.P. Minerals, 1984.
9. Assessment Report #15,201: Magnetometer, Rock Sampling, Soup Claims, C.M. Rebagliati, 1986.
10. Summary Report on the Soup Claims, Rebagliati Geological Consulting Ltd. for Athlone Resources Ltd., 1988.
11. Summary Report on the Soup Claims (Drilling), Rebagliati Geological Consulting Ltd. for Athlone Resources Ltd., 1989.
12. Exploration Report on the Soup Property, Teck Explorations Ltd., 1991.
13. Assessment Report #2818: Magnetometer Survey on the Kli Claims, Kennco, 1970.
14. Assessment Report #3312: Soil and Silt Survey, Kli Claims, Kennco, 1971.
15. Assessment Report #3313: Geophysical Survey, Kli Claims, Kennco, 1971.

16. Compilation Report on the Kliyul Property, R.W. Stevenson, 1973.
17. Assessment Report #5211: Drilling Report, Kli Claims, Sumac Mines Ltd., 1974.
18. Report on the Diamond Drilling on Kli Claims, Koji Hashimoto, 1975.
19. Assessment Report #9464: Drilling on the Klisum Group, Kennco & Vital Resources, 1981.
20. Assessment Report #13,258: Geology, Geochem on the Kli Claims, B.P. Minerals, 1984.
21. Geochemical, Geophysical and Prospecting Report on the KLI Claims, S. Price, G. Linden, R. Cannon, P. Eng., G. Ditson for Placer Dome, November, 1990.
22. Assessment Report #15,313: Geological Report on Mapping, Sampling & Bulk Sampling on the Gold Group Claims, Laramie Mining Corporation, Gerhard von Rosen, P. Eng., November, 1986.
23. Assessment Report #13,697: Geological and Geochemical Report on the Goldway 1-8 Claims of B.P. Resources Canada Ltd., R.E. Meyers and H.Q. Smit, March 1985.
24. Geologic Setting and Sampling of Vein Systems on the Solo Group Mineral Claims for Jetta Resources Ltd., by T.A. Richards, June, 1991.
25. Assessment Report #10,809: Geochemical Report on the Good, Prospects, Much, Pro, Fit and Dar Mineral Claims, G.E.A. von Rosen, P.Eng., 1982.
26. Assessment Report #15,538: Geological, Geochemical and Geophysical Report on the KC 1 & 2 Claims, Peter A. Christopher, Ph.D., P.Eng., October, 1986.
27. Assessment Report #14,416: Geological, Geophysical & Geochemical Report on the KC 1 & 2 Claims, Donald B. Cross, 1985.
28. Assessment Report #15,182: Soil Geochemistry on the Bap 10, 14, 18 Mineral Claims, C.M. Rebagliati, P.Eng., 1986.

29. Assessment Report #13,460: Geological, Geochemical Report on the Goldway 9 Claim Group, D.R. Heberlein, 1984.

APPENDIX I
LABORATORY ANALYTICAL TECHNIQUES

ANALYTICAL METHOD DESCRIPTIONS FOR GEOCHEMICAL ASSESSMENT REPORTS

The methods listed are presently applied to analyse geological materials by the Noranda Geochemical Laboratory at Vancouver.

Preparation of Samples:

Sediments and soils are dried at approximately 80°C and sieved with a 80 mesh nylon screen. The -80 mesh (0.18 mm) fraction is used for geochemical analysis.

Rock specimens are pulverized to -120 mesh (0.13 mm). Heavy mineral fractions (panned samples * from constant volume), are analysed in its entirety, when it is to be determined for gold without further sample preparation.

Analysis of Samples:

Decomposition of a 0.200 g sample is done with concentrated perchloric and nitric acid (3:1), digested for 5 hours at reflux temperature. Pulps of rock or core are weighed out at 0.4 g and chemical quantities are doubled relative to the above noted method for digestion.

The concentrations of Ag, Cd, Co, Cu, Fe, Mn, Mo, Ni, Pb, V and Zn can be determined directly from the digest (dissolution) with a conventional atomic absorption spectrometric procedure. A Varian-Techtron, Model AA-5 or Model AA-475 is used to measure elemental concentrations.

Elements Requiring Specific Decomposition Method:

Antimony - Sb: 0.2 g sample is attacked with 3.3 ml of 6% tartaric acid, 1.5 ml conc. hydrochloric acid and 0.5 ml of conc. nitric acid, then heated in a water bath for 3 hours at 95°C. Sb is determined directly from the dissolution with an AA-475 equipped with electrodeless discharge lamp (EDL).

Arsenic - As: 0.2 - 0.3 g sample is digested with 1.5 ml of perchloric 70% and 0.5 ml of conc. nitric acid. A Varian AA-475 equipped with an As-EDL is used to measure arsenic content in the digest.

Barium - Ba: 0.1 g sample digested overnight with conc. perchloric, nitric and hydrofluoric acid; Potassium chloride added to prevent ionization. Atomic absorption using a nitrous oxide-acetylene flame determines Ba from the aqueous solution.

Bismuth - Bi: 0.2 - 0.3 g is digested with 2.0 ml of perchloric 70% and 1.0 ml of conc. nitric acid. Bismuth is determined directly from the digest with an AA-475 complete with EDL.

Gold - Au: 10.0 g sample is digested with aqua regia (1 part nitric and 3 parts hydrochloric acid). Gold is extracted with MIBK from the aqueous solution. AA is used to determine Au.

Magnesium - Mg: 0.05 - 0.10 g sample is digested with 4 ml perchloric/nitric acid (3:1). An aliquot is taken to reduce the concentration to within the range of atomic absorption. The AA-475 with the use of a nitrous oxide flame determines Mg from the aqueous solution.

Tungsten - W: 1.0 g sample sintered with a carbonate flux and thereafter leached with water. The leachate is treated with potassium thiocyanate. The yellow tungsten thiocyanate is extracted into tri-n-butyl phosphate. This permits colourimetric comparison with standards to measure tungsten concentration.

Uranium - U: An aliquot from a perchloric-nitric decomposition, usually from the multi-element digestion, is buffered. The aqueous solution is exposed to laser light, and the luminescence of the uranyl ion is quantitatively measured on the UA-3 (Scintrex).

N.B.: If additional elemental determinations are required on panned samples, state this at the time of sample submission. Requests after gold determinations would be futile.

LOWEST VALUES REPORTED IN PPM:

Ag - 0.2	Mn - 20	Zn - 1	Au - 0.01
Cd - 0.2	Mo - 1	Sb - 1	W - 2
Co - 1	Ni - 1	As - 1	U - 0.1
Cu - 1	Pb - 1	Ba - 10	
Fe - 100	V - 10	Bi - 1	

APPENDIX II

ROCK GEOCHEMICAL DESCRIPTIONS/ASSAYS

NORANDA DELTA LABORATORY

Geochemical Analysis

Project Name & No.: DARB - 45586

Geol.: G.G.

Date received: JULY 14

LAB CODE: 9407-012

Material: 18 Rx

Sheet: 1 of 1

Date completed: JULY 26

Remarks: * Sample screened @ -35 MESH (0.5 mm)

□ Organic, Δ Humus, S Sulfide

Au - 10.0 g sample digested with aqua-regia and determined by A.A. (D.L. 5 PPB)

ICP - 0.2 g sample digested with 3 ml HClO₄/HNO₃ (4:1) at 203 °C for 4 hours diluted to 10 ml with water. Leeman PS3000 ICP determined elemental contents.

N.B. The major oxide elements and Ba, Be, Ce, La, Li, Ga are rarely dissolved completely from geological materials with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bc ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
PM-0056	80	4.8	5.79	2	29	0.2	5	9.80	0.2	100	6	30	6761	5.83	0.05	9	5	0.14	1644	2	0.07	5	0.10	5	174	0.52	227	31
57	5	0.2	8.28	2	164	0.3	5	6.24	0.2	104	26	14	202	11.44	0.60	22	31	2.75	1589	1	0.05	6	0.30	2	110	0.88	302	206
67	5	0.8	1.65	2	44	0.2	5	2.61	0.6	68	13	71	3877	5.92	0.09	14	13	1.05	644	1	0.09	7	0.14	2	85	0.58	174	77
76	5	0.2	6.41	2	20	0.2	5	6.84	0.2	95	21	22	232	7.02	0.11	15	18	1.57	932	1	0.08	22	0.11	7	340	0.57	194	104
PM 78	5	0.4	0.35	38	141	2.0	5	0.29	0.2	23	5	159	532	1.20	0.11	9	2	0.16	242	1	0.15	44	0.03	6	187	0.02	18	17
PM 81	5	0.2	7.40	2	490	0.2	5	3.99	0.3	80	15	8	94	6.65	0.82	16	14	2.20	1093	1	0.11	2	0.13	7	179	0.55	151	123
82	5	0.2	5.56	6	55	0.2	5	4.54	0.4	67	24	29	98	6.79	0.21	12	13	2.73	1229	1	0.10	26	0.09	3	160	0.50	238	123
84	480	8.4	0.38	9	36	0.9	5	1.68	0.9	66	7	78	7008	2.13	0.29	20	3	0.68	398	1	0.09	21	0.12	2	33	0.21	84	22
87	5	0.2	0.33	2	72	0.2	5	0.01	0.2	5	9	256	24	2.99	0.18	3	1	0.03	30	126	0.01	4	0.01	2	2	0.01	19	3
PM-90	5	0.2	4.92	3	31	0.2	5	5.08	0.2	80	27	30	163	6.43	0.11	13	9	2.13	1024	1	0.11	17	0.10	2	198	0.50	254	87
PM-91	5	0.2	5.79	2	276	0.2	5	3.94	0.2	62	34	151	54	6.41	0.24	12	9	2.12	730	1	0.07	95	0.07	2	119	0.49	246	87
92	5	0.2	3.86	2	239	0.2	5	5.40	0.2	81	17	30	49	5.35	0.37	11	13	1.54	647	9	0.11	33	0.08	2	98	0.18	189	92
93	5	0.2	6.23	2	529	0.2	5	3.63	0.3	71	19	22	64	5.72	0.62	14	11	1.71	954	1	0.09	23	0.10	3	98	0.36	131	110
94	5	0.2	6.22	4	64	0.2	5	9.57	0.2	98	28	65	80	6.64	0.07	11	10	1.78	1123	1	0.07	54	0.08	2	198	0.45	242	92
PM-0095	5	0.2	8.36	17	984	0.2	5	4.86	0.2	77	18	148	49	7.24	1.17	14	12	1.92	1135	7	0.09	22	0.08	6	194	0.54	303	87
KP 0083	5	0.2	4.96	2	190	0.2	5	6.92	0.3	92	23	35	69	5.56	0.47	13	14	2.38	812	1	0.09	20	0.07	2	330	0.37	189	128
86	5	0.2	4.90	2	369	0.2	5	4.49	0.4	78	21	35	47	6.20	0.48	14	21	2.47	716	1	0.10	16	0.56	2	82	0.29	203	162
KP-0087	20	0.2	3.27	18	420	0.4	5	17.83	0.2	115	20	47	64	4.13	0.67	6	16	1.36	1257	2	0.11	33	0.09	5	134	0.23	160	58

5/08 96 99

NORANDA DELTA LABORATORY

Geochemical Analysis

Project Name & No.: DARB - 45586

Geol.: G.G.

Date received: JULY 07

LAB CODE: 9407-008

Material: 7 Silts & 9 Rx

Sheet: 1 of 1

Date completed: JULY 13

Remarks: * Sample screened @ -35 MBSH (0.5 mm)

□ Organic, Δ Humus, S Sulfide

Au - 10.0 g sample digested with aqua-regia and determined by A.A. (D.L. 5 PPB)

ICP - 0.2 g sample digested with 3 ml HClO₄/HNO₃ (4:1) at 203 °C for 4 hours diluted to 10 ml with water. Leeman PS3000 ICP determined elemental contents.

N.B. The major oxide elements and Ba, Be, Ce, La, Li, Ga are rarely dissolved completely from geological materials with this acid dissolution method.

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
17	S169901 silt	5	0.2	5.23	6	154	0.3	5	2.02	0.5	40	39	43	206	5.60	0.28	12	17	3.06	818	1	0.07	38	0.14	2	87	0.30	185	112
18	169902	5	0.2	6.69	13	262	0.3	5	1.98	0.7	39	48	47	216	7.47	0.46	13	24	4.18	1705	1	0.10	65	0.10	2	116	0.31	222	146
19	169903	5	0.2	6.28	12	230	0.3	5	2.06	0.8	39	44	55	208	6.88	0.40	12	23	3.71	1511	1	0.09	63	0.10	2	105	0.27	210	128
20	169904	5	0.2	3.99	8	183	0.4	5	2.32	0.8	47	34	194	191	5.62	0.33	14	19	3.55	928	1	0.09	139	0.26	2	154	0.25	177	91
21	S169906	5	0.2	4.29	15	246	0.5	5	2.49	0.9	49	28	82	150	5.52	0.36	17	21	2.84	1010	1	0.07	81	0.27	2	209	0.31	217	96
22	S169907	5	0.2	3.41	17	74	1.3	5	2.61	0.6	56	29	82	191	5.39	0.32	21	39	3.59	891	1	0.06	115	0.45	2	156	0.39	254	89
23	S169908 silt	5	0.2	4.71	13	174	0.2	5	2.78	0.6	42	26	30	90	5.30	0.29	13	12	1.83	1104	1	0.06	36	0.11	2	174	0.33	197	97
159	WZ-01 rx	5	0.8	0.30	2	25	0.2	5	0.31	0.2	14	2	46	443	0.46	0.21	5	3	0.12	74	1	0.07	4	0.01	2	18	0.01	15	5
160	WZ-02	210	21.2	0.44	17	18	0.3	10	2.62	1.2	52	7	189	15000	0.98	0.32	10	8	0.44	316	17	0.02	14	0.04	2	89	0.04	43	8
161	KP-54	5	0.2	4.59	2	318	0.2	5	2.70	0.2	68	19	51	91	6.34	0.57	16	13	1.40	410	1	0.10	26	0.20	2	137	0.39	291	102
162	KP-55	5	0.2	6.03	58	236	0.3	5	8.12	0.3	98	24	236	81	6.29	0.66	13	15	1.87	625	6	0.44	138	0.08	2	202	0.14	328	79
163	56	5	0.2	5.01	23	209	0.3	5	10.32	0.4	105	35	222	112	6.64	0.45	16	13	1.82	710	6	0.26	143	0.12	2	200	0.16	288	77
164	60	5	0.2	6.01	2	36	0.2	5	6.07	0.2	93	15	78	47	5.30	0.10	16	8	1.37	747	1	0.10	42	0.09	2	186	0.32	146	43
165	62	110	9.2	2.28	8	31	0.4	5	4.87	1.1	88	49	51	14000	6.16	0.09	15	5	0.46	1019	2	0.13	16	0.10	2	118	0.20	148	50
166	KP-67	5	0.2	4.09	2	277	0.2	5	2.36	0.5	61	20	53	161	6.42	0.30	15	9	1.83	744	3	0.10	34	0.07	2	67	0.35	184	80
167	KP-78 rx	5	0.2	4.09	3	163	0.2	5	2.53	0.3	64	21	75	87	6.56	0.32	14	15	2.26	915	2	0.08	31	0.07	2	63	0.38	173	95

10/01 None off (G.G. G.G.)

APPENDIX III
SOIL GEOCHEMICAL ASSAYS

NORANDA DELTA LABORATORY

Geochemical Analysis

Project Name & No.: DARB - 45586

Geol.: G.G.

Date received: JULY 14

LAB CODE: 9407-012

Material: 316 Soils & 3 Silts

Sheet: 1 of 8

Date completed: JULY 26

Remarks: * Sample screened @ -35 MESH (0.5 mm)

† Organic, Δ Humus, S Sulfide

Au - 10.0 g sample digested with aqua-regia and determined by A.A. (D.L. 5 PPB)

ICP - 0.2 g sample digested with 3 ml HClO₄/HNO₃ (4:1) at 203 °C for 4 hours diluted to 10 ml with water. Leeman PS3000 ICP determined elemental contents.

N.B. The major oxide elements and Ba, Be, Ce, La, Li, Ga are rarely dissolved completely from geological materials with this acid dissolution method.

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bc ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
58800N-83300E	5	0.2	5.65	2	117	0.2	5	2.88	0.2	50	19	26	68	6.62	0.34	12	16	1.55	629	1	0.05	22	0.11	2	134	0.48	265	72
83350	5	0.2	5.21	11	132	0.2	5	2.93	0.2	47	16	20	42	6.92	0.40	12	11	1.18	642	1	0.05	15	0.12	2	129	0.49	280	65
83400	5	0.2	5.18	2	95	0.2	5	3.71	0.2	45	16	9	37	5.74	0.27	12	10	1.26	785	1	0.05	9	0.08	2	147	0.49	234	65
83450	5	0.2	5.68	5	176	0.2	5	3.02	0.2	47	17	18	62	7.00	0.41	13	13	1.28	651	2	0.04	13	0.10	2	174	0.50	270	64
58800N-83500E	5	0.2	5.37	2	232	0.2	5	3.47	0.2	49	11	14	29	5.60	0.40	14	8	0.72	540	1	0.05	9	0.06	2	267	0.58	287	39
58800N-83550E	5	0.2	5.88	2	130	0.2	5	2.80	0.2	42	26	72	58	6.41	0.23	13	15	3.40	800	1	0.04	72	0.08	2	171	0.48	270	77
83600	5	0.2	4.45	2	233	0.2	5	2.81	0.2	43	13	18	144	4.88	0.39	12	8	0.98	728	2	0.05	11	0.17	2	185	0.35	227	57
83650	5	0.2	2.93	2	148	0.2	5	2.44	0.2	40	9	13	160	2.94	0.35	10	5	0.34	347	4	0.04	12	0.13	3	130	0.26	139	30
83700	5	0.2	1.84	2	97	0.2	5	2.03	0.2	36	13	21	102	2.26	0.20	6	5	0.47	443	6	0.08	10	0.13	2	79	0.20	96	64
58800N-83750E	5	0.2	1.83	2	77	0.2	5	1.61	0.2	37	7	27	51	2.53	0.14	7	4	0.56	411	8	0.03	19	0.11	2	70	0.24	93	46
58800N-83800E	5	0.2	4.73	2	211	0.3	5	2.58	0.2	53	29	30	359	6.20	0.37	13	20	1.94	1459	6	0.06	35	0.19	2	127	0.41	194	96
83850	5	0.2	4.36	2	206	0.7	5	2.47	0.3	54	32	57	837	5.71	0.20	16	17	1.82	4149	20	0.07	56	0.30	2	110	0.38	188	113
83900	5	0.2	3.60	2	133	0.6	5	2.98	0.6	41	34	134	656	4.60	0.14	13	24	3.57	1490	6	0.07	188	0.29	2	98	0.29	159	89
83950	5	0.2	2.87	4	292	0.6	5	2.71	0.3	39	32	198	645	4.00	0.15	12	20	3.95	640	10	0.05	281	0.24	2	75	0.22	130	59
58800N-84000E	5	0.2	3.19	4	275	0.6	5	2.53	0.2	41	33	194	432	4.42	0.16	12	21	4.07	865	7	0.05	263	0.27	2	83	0.22	127	73
58800N-84050E	5	0.2	2.51	18	268	0.5	5	3.10	0.6	36	24	165	597	3.26	0.12	9	16	2.76	574	5	0.04	185	0.14	2	74	0.17	97	65
58800N-84100E	5	0.2	3.76	4	210	0.2	5	2.27	0.4	44	27	88	37	4.87	0.24	11	13	4.10	579	1	0.15	158	0.08	2	90	0.56	180	92
58850N-83200E	5	0.2	6.04	2	147	0.3	5	2.34	0.2	44	27	28	236	6.75	0.40	11	20	2.05	1155	1	0.07	23	0.12	2	143	0.42	242	94
83250	5	0.2	5.46	2	112	0.2	5	3.31	0.2	38	22	15	147	6.30	0.36	9	14	1.38	964	1	0.04	14	0.15	2	164	0.50	258	82
58850N-83300E	5	0.2	5.44	2	73	0.2	5	4.53	0.2	34	16	9	67	5.75	0.22	9	9	0.94	859	1	0.04	9	0.16	2	159	0.50	263	62
58900N-83100E	5	1.2	6.02	4	258	0.6	5	2.06	0.3	61	57	14	1102	8.56	0.69	17	18	1.91	3293	1	0.06	18	0.17	2	280	0.30	210	95
83150	5	0.4	6.02	2	255	0.3	5	1.29	0.2	48	42	32	293	7.54	0.63	13	21	1.81	2610	1	0.06	22	0.17	2	132	0.28	229	92
58900N-83200E	5	0.4	6.72	2	498	0.4	5	0.80	0.2	35	32	23	307	6.77	1.13	11	25	2.48	2591	1	0.10	27	0.11	2	177	0.08	234	102
59000N-82850E	5	0.2	8.02	2	383	0.3	5	2.19	0.2	40	34	48	182	5.63	0.97	11	18	2.10	2927	1	0.16	77	0.11	2	253	0.11	187	90
59000N-82900E	5	0.2	7.31	2	239	0.3	5	2.62	0.2	33	30	42	184	5.29	0.82	9	15	2.17	2557	1	0.13	73	0.11	2	175	0.19	162	80
59000N-82950E	5	0.2	7.37	2	312	0.4	5	2.25	0.5	38	22	24	129	4.43	0.78	10	14	1.54	2556	1	0.17	29	0.14	2	136	0.13	148	64
83000	5	0.2	7.47	2	274	0.4	5	2.06	0.3	42	28	46	211	5.46	0.63	12	19	2.63	2301	1	0.14	59	0.13	2	183	0.17	173	86
83050	5	0.2	3.72	4	204	0.2	5	0.95	0.2	33	10	39	62	2.34	0.46	10	10	0.86	610	1	0.13	16	0.18	4	115	0.11	107	41
83100	5	0.2	5.73	2	131	0.3	5	0.87	0.2	37	25	24	179	5.84	0.43	10	19	1.57	1178	1	0.06	18	0.14	2	48	0.20	197	80
59000N-83150E	5	0.2	5.48	2	180	0.2	5	1.52	0.2	43	12	32	84	4.00	0.51	11	14	1.23	444	1	0.10	16	0.18	2	108	0.29	188	52
59000N-83200E	5	0.2	5.09	2	186	0.2	5	1.06	0.2	43	12	23	59	4.32	0.55	10	10	0.76	636	1	0.06	9	0.16	2	85	0.23	202	46
83250	5	0.2	4.07	4	165	0.2	5	1.20	0.2	46	12	19	49	5.02	0.47	11	9	0.78	833	1	0.05	8	0.21	3	76	0.24	193	53
83300	20	0.2	6.53	2	325	0.3	5	0.67	0.2	43	36	28	168	7.11	0.81	12	20	2.06	2335	1	0.07	22	0.17	2	51	0.13	251	97
83350	5	0.2	6.36	2	353	0.3	5	2.29	0.4	48	71	9	664	7.02	1.13	10	17	1.62	2430	1	0.05	15	0.15	2	121	0.36	247	103
59000N-83400E	5	0.2	3.83	2	100	0.2	5	1.57	0.6	43	28	178	55	4.36	0.27	9	14	2.46	1338	1	0.04	84	0.20	2	88	0.29	161	73

67 G.B 99

SAMPLE No.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sr	Ti	V	Zn	8407-012	
	ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	Pg. 2 of 8
59000N-83450E	5	0.2	4.91	2	91	0.2	5	1.79	0.5	43	31	128	98	5.89	0.25	10	18	3.24	888	1	0.04	92	0.14	2	76	0.35	208	90		
83500	5	0.2	4.20	4	232	0.3	5	3.16	0.3	37	53	47	1178	6.09	0.46	10	15	1.79	1531	4	0.04	33	0.18	2	124	0.27	220	76		
83550	5	0.2	5.99	2	213	0.3	5	2.40	0.2	46	22	21	72	7.38	0.38	13	20	1.97	775	1	0.05	21	0.14	2	174	0.42	243	86		
83600	5	0.2	5.30	2	195	0.3	5	2.45	0.2	42	22	34	96	6.00	0.37	11	19	2.04	711	1	0.05	31	0.11	2	164	0.35	210	81		
59000N-83650E	5	0.2	5.08	2	142	0.2	5	2.57	0.2	49	14	23	51	6.37	0.28	12	14	1.29	722	1	0.05	17	0.13	2	162	0.48	208	71		
59000N-83700E	5	0.2	5.71	2	118	0.3	5	2.07	0.2	44	20	35	193	5.74	0.22	11	19	1.92	740	1	0.05	43	0.13	2	104	0.37	174	81		
83750	5	0.2	4.76	2	123	0.2	5	2.38	0.2	46	18	30	106	6.35	0.22	11	22	1.64	778	3	0.06	27	0.13	2	122	0.43	197	90		
83800	5	0.2	5.31	2	165	0.5	5	1.49	0.2	46	31	55	244	7.08	0.23	12	38	1.98	1215	5	0.05	72	0.21	2	110	0.25	191	109		
83850	5	0.2	3.35	3	146	0.6	5	2.24	0.2	38	32	190	284	4.70	0.18	9	22	3.50	1115	2	0.05	208	0.18	2	79	0.29	147	79		
59000N-83900E	5	0.2	3.17	2	277	0.3	5	2.55	0.6	43	24	98	166	4.22	0.19	11	20	2.23	1470	5	0.06	105	0.19	2	115	0.30	150	82		
59000N-83950E	5	0.2	2.39	2	139	0.2	5	1.85	0.2	43	9	387	14	3.05	0.25	10	4	0.93	356	1	0.09	54	0.07	2	194	0.42	151	37		
84000	5	0.2	4.53	2	250	0.5	5	2.82	0.3	49	31	70	363	5.75	0.34	14	26	2.91	1024	1	0.08	107	0.20	2	153	0.40	205	82		
84050	5	0.2	3.75	2	543	0.5	5	3.37	0.8	42	25	85	342	4.59	0.28	14	18	2.48	1297	3	0.10	118	0.25	2	160	0.34	176	74		
84100	5	0.2	2.20	5	237	0.2	5	1.61	0.6	40	36	1144	56	6.82	0.07	11	4	5.92	599	1	0.04	361	0.15	2	70	0.36	205	69		
59000N-84150E	50	0.2	4.69	2	187	0.4	5	2.85	0.2	48	30	102	133	5.89	0.32	13	18	2.29	954	1	0.08	61	0.17	2	176	0.32	213	85		
59200N-82900E	5	0.2	6.38	2	259	0.2	5	3.01	0.2	44	39	59	184	6.24	0.56	11	19	2.65	1612	1	0.10	83	0.12	2	127	0.35	209	102		
82950	5	0.2	5.68	14	233	0.2	5	2.80	0.2	45	34	85	137	6.07	0.57	11	16	2.42	1250	1	0.07	109	0.13	2	147	0.33	206	106		
83000	5	0.2	5.93	10	224	0.2	5	2.92	0.3	46	33	87	128	6.00	0.52	12	15	2.33	1213	1	0.09	112	0.11	2	169	0.32	205	99		
83050	5	0.2	5.25	3	205	0.2	5	2.28	0.4	44	27	49	113	4.76	0.52	10	12	1.87	1468	1	0.07	48	0.12	2	132	0.21	159	72		
59200N-83100E	5	0.2	6.44	2	248	0.3	5	1.22	0.2	45	28	28	232	5.86	1.03	15	22	2.01	1613	1	0.11	27	0.16	2	84	0.11	218	80		
59200N-83150E	5	0.2	4.41	2	133	0.2	5	3.11	0.2	43	9	13	26	3.65	0.37	11	6	0.57	531	1	0.07	7	0.10	2	136	0.44	241	40		
83200	5	0.2	4.58	2	130	0.2	5	2.23	0.2	40	13	22	64	4.86	0.38	9	10	0.87	636	1	0.06	12	0.13	2	108	0.37	228	48		
83250	5	0.2	4.78	2	121	0.2	5	3.07	0.2	44	7	14	30	4.03	0.31	11	6	0.59	461	1	0.06	5	0.19	2	175	0.49	233	38		
83300	5	0.2	5.32	2	183	0.2	5	1.77	0.2	46	11	24	34	4.93	0.48	12	11	1.16	464	1	0.06	13	0.11	2	107	0.39	240	54		
59200N-83350E	20	0.2	5.35	2	304	0.2	5	1.28	0.2	46	16	20	38	5.48	0.74	13	13	1.30	1205	1	0.07	13	0.13	2	100	0.21	219	68		
59200N-83400E	5	0.2	4.27	2	132	0.2	5	1.42	0.2	48	4	20	18	2.68	0.24	12	4	0.34	306	1	0.05	5	0.11	2	85	0.18	201	28		
83450	5	0.2	5.10	2	237	0.2	5	2.26	0.2	52	12	11	27	4.87	0.55	13	9	1.08	619	1	0.05	7	0.11	2	155	0.40	204	59		
83500	5	0.2	5.43	2	251	0.2	5	2.80	0.2	52	21	13	155	5.95	0.31	14	14	2.22	744	1	0.04	15	0.20	2	296	0.48	229	75		
83550	5	0.2	4.67	2	259	0.2	5	2.08	0.2	52	13	19	30	6.39	0.39	12	8	1.07	585	1	0.05	10	0.13	2	184	0.42	234	60		
59200N-83600E	5	0.2	2.36	2	116	0.2	5	1.70	0.2	47	5	12	30	2.72	0.19	11	4	0.30	343	2	0.05	5	0.15	2	132	0.29	105	30		
59200N-83650E	5	0.2	3.61	2	90	0.2	5	2.51	0.2	53	6	17	17	3.88	0.18	13	6	0.45	489	1	0.05	6	0.08	2	146	0.50	183	36		
83700	5	0.2	3.39	2	127	0.2	5	1.83	0.2	41	14	39	46	4.99	0.23	11	14	1.25	866	4	0.05	28	0.11	2	158	0.34	208	63		
83750	5	0.2	3.46	2	108	0.3	5	2.85	0.2	40	20	54	160	5.62	0.21	10	13	2.00	685	4	0.25	36	0.10	2	138	0.53	265	53		
83800	5	0.2	3.64	2	77	0.6	5	1.55	0.2	40	37	138	527	4.75	0.09	12	27	4.41	576	1	0.07	235	0.15	2	63	0.34	173	64		
59200N-83850E	5	0.2	3.16	2	596	0.8	5	2.19	0.8	42	33	281	991	4.71	0.15	14	30	3.86	1408	4	0.05	260	0.27	2	107	0.26	178	71		
59200N-83900E	5	0.2	3.31	2	172	0.2	5	2.44	0.2	48	11	84	36	4.13	0.20	13	6	1.45	554	1	0.08	38	0.15	2	247	0.62	177	61		
83950	5	0.2	2.20	2	407	0.2	5	2.05	0.4	44	7	53	69	2.26	0.20	11	5	0.46	267	1	0.07	22	0.08	2	225	0.35	132	27		
84000	5	0.2	2.55	2	341	0.3	5	2.54	0.3	44	10	110	101	3.47	0.20	12	7	1.00	414	1	0.09	33	0.07	2	254	0.43	181	36		
84050	5	0.2	2.86	2	46	0.2	5	0.99	0.4	30	41	314	20	4.42	0.05	10	9	6.67	373	1	0.13	406	0.25	2	53	0.17	101	62		
59200N-84100E	5	0.2	3.39	3	138	0.4	5	1.87	0.5	44	32	201	118	4.84	0.37	13	18	3.70	673	1	0.08	180	0.28	2	136	0.31	167	76		
59200N-84150E	5	0.2	4.05	2	153	0.4	5	2.24	0.2	42	34	140	175	5.18	0.31	12	21	3.45	935	1	0.06	137	0.21	2	135	0.31	190	77		
59400N-83700E	45	0.2	2.76	13	30	0.6	5	2.40	0.3	61	53	10	1181	12.81	0.14	17	14	1.23	1047	32	0.06	11	0.27	2	66	0.61	230	95		
83750	5	0.2	4.90	2	129	0.3	5	2.05	0.2	42	34	59	1572	6.29	0.25	11	35	2.21	1242	1	0.07	56	0.17	2	142	0.39	237	74		
83800	5	0.2	3.36	2	112	0.4	5	2.09	0.4	38	35	138	1194	4.83	0.11	10	34	3.52	815	1	0.09	162	0.16	2	67	0.42	212	69		
59400N-83850E	5	0.2	3.26	2	62	0.3	5	1.20	0.2	38	17	80	38	4.72	0.13	11	17	2.10	445	1	0.04	78	0.18	2	154	0.39	208	71		

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bc ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm	9407-012 Pg. 3 of 8
59400N-83900E	5	0.2	3.82	4	180	0.6	5	1.83	0.3	50	24	95	75	5.32	0.24	16	25	2.88	594	1	0.05	103	0.32	2	156	0.41	218	81	
83950	5	0.2	3.42	2	261	0.3	5	1.81	0.5	47	22	67	124	4.42	0.26	13	25	2.02	1383	1	0.05	80	0.13	2	168	0.40	212	90	
84000	5	0.2	3.68	5	356	1.3	5	1.84	0.5	53	34	108	430	5.80	0.66	17	37	2.88	2713	4	0.04	161	0.30	2	133	0.37	301	103	
84050	5	0.2	2.65	2	123	0.3	5	1.14	0.5	41	19	145	42	3.80	0.17	13	12	2.74	400	1	0.05	138	0.16	2	161	0.43	157	69	
59400N-84100E	5	0.2	3.58	4	412	0.6	5	2.17	0.3	50	28	72	118	4.72	1.03	14	31	3.14	597	1	0.04	149	0.28	2	326	0.41	223	98	
59400N-84150E	5	0.2	3.78	4	145	0.2	5	1.41	0.2	41	17	51	46	5.81	0.31	10	13	1.27	660	2	0.05	30	0.31	2	107	0.29	198	61	
59400N-84200E	35	0.2	4.57	2	189	0.3	5	1.84	0.2	45	18	56	97	5.41	0.37	11	15	1.35	552	1	0.07	35	0.08	2	128	0.24	155	67	
59450E-82750E	5	0.2	6.01	2	100	0.2	5	2.36	0.2	39	28	35	103	5.62	0.14	9	15	2.29	818	1	0.07	36	0.08	2	122	0.34	174	68	
82800	5	0.2	5.78	2	127	0.2	5	2.12	0.2	41	20	34	86	4.94	0.19	10	14	1.77	638	1	0.05	29	0.11	2	129	0.32	165	67	
59450E-82850E	5	0.2	3.17	2	88	0.2	5	0.61	0.2	30	26	16	84	5.79	0.23	9	14	1.77	1103	1	0.03	20	0.09	2	45	0.31	165	104	
59450E-82900E	5	0.2	5.48	2	113	0.2	5	2.66	0.2	42	27	102	103	5.80	0.19	11	13	1.78	1029	1	0.05	104	0.16	2	129	0.37	184	89	
82950	5	0.2	5.30	2	155	0.2	5	2.26	0.2	44	14	37	38	5.31	0.24	11	11	1.53	615	1	0.06	22	0.08	2	142	0.42	218	59	
83000	5	0.2	5.77	2	245	0.2	5	2.16	0.2	41	13	23	43	5.36	0.32	9	10	1.12	569	1	0.07	14	0.06	2	111	0.39	223	51	
83050	5	0.2	5.60	2	101	0.2	5	1.86	0.2	41	14	39	43	5.78	0.17	10	9	1.27	652	1	0.05	17	0.12	2	111	0.47	208	57	
59450E-83100E	5	0.2	5.20	36	120	0.4	5	1.88	0.2	44	88	24	443	8.46	0.37	11	12	1.80	2673	8	0.07	80	0.09	2	182	0.20	160	76	
59450E-83150E	5	0.2	6.40	2	230	0.2	5	1.83	0.2	40	42	46	226	6.66	0.37	11	23	3.23	1417	1	0.09	54	0.09	2	111	0.30	208	105	
83200	5	0.2	5.90	2	194	0.2	5	1.90	0.2	40	35	51	133	6.40	0.30	10	20	2.93	974	1	0.09	48	0.08	2	116	0.29	206	94	
83250	5	0.2	5.60	2	204	0.2	5	1.98	0.2	42	39	50	128	6.16	0.34	10	19	2.81	1436	1	0.08	50	0.10	2	118	0.28	194	100	
83300	5	0.2	5.29	6	200	0.2	5	2.01	0.2	41	40	53	92	5.89	0.42	10	16	2.33	1899	1	0.08	43	0.14	2	114	0.25	184	99	
59450E-83350E	5	0.2	6.14	4	203	0.2	5	1.70	0.2	44	46	51	168	6.66	0.42	11	21	2.67	1839	1	0.09	46	0.12	2	104	0.27	207	95	
59450E-83400E	5	0.2	5.93	2	207	0.2	5	1.87	0.2	43	40	54	172	6.36	0.35	11	20	2.93	1395	1	0.08	52	0.09	2	116	0.28	204	93	
83450	5	0.2	5.21	2	170	0.2	5	1.65	0.2	41	23	59	71	6.01	0.33	9	16	2.28	660	1	0.07	36	0.09	2	97	0.27	199	77	
83500	5	0.2	5.11	2	97	0.2	5	2.49	0.2	48	14	31	24	5.01	0.24	11	10	1.34	520	1	0.05	21	0.11	2	114	0.43	230	51	
83550	5	0.2	4.72	2	115	0.3	5	2.13	0.2	45	19	50	109	5.24	0.24	11	20	2.09	630	1	0.05	42	0.08	2	146	0.38	218	72	
59450E-83600E	5	0.2	5.17	2	96	0.2	5	2.36	0.2	39	15	33	67	5.83	0.25	9	13	1.55	622	1	0.05	24	0.08	2	108	0.39	230	56	
59450E-83650E	10	0.2	4.98	2	226	0.2	5	0.69	0.2	41	13	9	70	7.40	0.51	13	10	0.63	690	3	0.03	2	0.12	2	44	0.18	236	52	
59450N-83700E *H	5	0.2	1.00	4	264	0.2	5	0.67	0.2	25	3	12	25	1.03	0.19	5	3	0.19	384	1	0.06	3	0.15	2	34	0.11	34	41	
59600N-82800E	5	0.2	5.04	2	145	0.2	5	1.88	0.7	44	42	117	97	6.90	0.21	11	13	2.38	2437	1	0.08	90	0.13	2	107	0.42	215	123	
82850	50	0.2	5.69	19	336	0.2	5	1.28	0.8	42	27	47	91	5.90	0.27	12	13	1.83	845	1	0.06	46	0.11	2	198	0.34	248	125	
59600N-82900E	5	0.2	5.27	2	106	0.2	5	1.63	0.2	40	13	50	42	5.86	0.20	10	11	1.32	485	1	0.05	21	0.08	2	97	0.36	179	58	
59600N-82950E	5	0.2	4.23	20	112	0.2	5	2.00	0.5	39	15	52	54	4.22	0.23	10	13	1.40	486	1	0.08	24	0.16	2	107	0.30	163	68	
83000	5	0.2	5.82	7	138	0.3	5	2.76	0.2	43	26	45	194	5.52	0.29	13	17	2.15	851	1	0.07	40	0.09	2	153	0.34	196	80	
83150	5	0.2	5.65	7	138	0.2	5	2.64	0.2	38	18	42	57	5.12	0.30	11	16	1.77	1378	3	0.06	27	0.12	2	135	0.36	206	71	
83200	5	0.2	5.15	2	91	0.2	5	2.42	0.2	37	13	44	24	5.28	0.23	11	10	1.49	539	1	0.05	24	0.06	2	124	0.37	231	52	
59600N-83250E *H	5	0.2	0.98	2	90	0.2	5	0.99	0.2	23	5	10	16	1.06	0.19	4	3	0.30	2811	1	0.02	5	0.16	4	27	0.08	36	56	
59600N-83300E	5	0.2	4.25	2	94	0.2	5	2.14	0.2	44	10	46	24	3.97	0.21	10	8	0.88	501	1	0.05	17	0.08	2	110	0.36	199	42	
83350	5	0.2	5.51	2	131	0.2	5	2.24	0.2	38	17	38	56	5.59	0.30	9	13	1.82	628	1	0.05	28	0.08	2	125	0.37	220	66	
83400 *H	5	0.2	0.47	6	58	0.2	5	0.56	0.3	17	2	8	7	0.44	0.13	2	1	0.13	230	1	0.02	3	0.08	3	14	0.03	17	40	
83450	5	0.2	5.08	2	260	0.2	5	2.32	0.2	47	7	29	15	3.22	0.48	12	12	0.60	386	1	0.05	10	0.06	2	160	0.38	208	33	
59600N-83500E	5	0.2	5.19	2	233	0.5	5	2.57	1.1	47	24	52	109	4.95	0.31	12	22	1.15	5210	1	0.05	35	0.26	2	135	0.32	201	208	
59600N-83550E	5	0.2	5.12	2	114	0.2	5	2.16	0.2	42	19	51	54	6.02	0.23	10	17	1.94	738	1	0.05	40	0.11	2	135	0.37	224	66	
83600	5	0.2	3.85	2	190	0.4	5	1.99	0.7	48	14	53	61	4.24	0.27	13	16	1.06	3292	3	0.05	29	0.14	2	211	0.38	209	85	
83650	5	0.2	4.29	2	138	0.2	5	1.86	0.2	44	12	51	28	5.28	0.28	11	10	1.18	485	1	0.05	21	0.08	2	164	0.43	255	48	
83700	5	0.2	4.22	2	195	0.2	5	1.37	0.2	44	18	66	51	5.72	0.49	12	15	1.33	1160	1	0.06	31	0.19	2	117	0.26	234	62	
59600N-83750E	5	0.2	2.99	5	146	0.5	5	1.26	0.3	41	21	78	141	4.42	0.17	12	38	2.40	756	2	0.03	90	0.18	2	154	0.41	233	99	

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm	9407-012 Pg. 4 of 8
59600N-83800E	5	0.2	3.03	2	67	0.4	5	1.23	0.2	39	21	127	25	4.05	0.18	12	15	2.82	406	1	0.05	133	0.19	2	156	0.34	155	63	
83850	5	0.2	3.75	2	301	1.0	5	1.83	0.4	48	29	79	332	4.87	0.43	16	42	3.33	1293	1	0.04	155	0.23	2	151	0.40	240	109	
83900	5	0.2	3.26	3	346	0.6	5	2.10	0.3	45	35	166	162	4.39	0.63	13	21	4.74	718	1	0.04	278	0.32	2	101	0.28	161	70	
83950	5	0.2	3.41	3	415	0.9	5	1.87	0.8	51	28	77	269	5.11	0.22	15	32	2.66	1138	1	0.04	105	0.29	2	171	0.45	287	87	
59600N-84000E	5	0.2	2.33	2	219	0.5	5	1.53	0.3	45	17	69	51	3.32	0.58	12	15	2.06	446	1	0.04	75	0.09	2	218	0.44	183	52	
59600N-84050E	5	0.2	1.96	4	122	0.2	5	1.11	0.3	37	9	178	16	3.54	0.25	10	8	0.91	337	1	0.04	48	0.16	7	204	0.43	160	49	
84100	5	4.0	3.79	3	553	1.0	5	2.17	2.0	48	29	103	970	4.56	0.22	17	20	2.49	4785	5	0.05	156	0.25	3	128	0.29	225	80	
84150	5	0.2	3.06	2	128	0.4	5	1.44	0.5	38	19	90	31	4.64	0.19	12	17	2.33	543	1	0.05	83	0.23	2	175	0.42	195	79	
84200	5	0.2	1.82	2	122	0.2	5	1.21	0.2	38	4	84	12	1.98	0.23	12	5	0.42	163	1	0.05	19	0.08	6	234	0.40	124	22	
59600N-84250E	5	0.2	3.60	2	404	0.9	5	2.18	0.2	44	34	143	587	4.95	0.25	15	30	3.28	1567	2	0.04	258	0.33	2	130	0.33	227	83	
59800N-83050E	5	0.2	6.66	2	230	0.3	5	2.36	0.2	40	28	57	154	5.37	0.47	10	14	1.84	1879	1	0.09	55	0.10	2	144	0.27	183	90	
83100	5	0.2	5.97	2	170	0.2	5	1.38	0.2	36	15	39	69	5.19	0.22	10	14	1.50	582	1	0.05	22	0.11	2	117	0.33	175	87	
83150	5	0.2	4.87	2	159	0.2	5	2.07	0.2	40	9	30	31	3.95	0.23	10	8	0.97	382	1	0.06	14	0.10	2	171	0.40	225	44	
83200	5	0.2	5.00	2	156	0.2	5	1.57	0.2	44	13	36	32	4.91	0.31	12	11	1.44	650	1	0.04	22	0.10	2	160	0.37	211	57	
59800N-83250E	5	0.2	5.77	2	150	0.2	5	1.59	0.2	41	18	59	40	5.93	0.34	11	14	2.04	795	1	0.05	33	0.10	2	95	0.32	208	74	
59800N-83300E	5	0.2	5.08	2	106	0.2	5	2.33	0.2	48	10	36	25	4.59	0.24	12	8	0.94	640	1	0.05	13	0.09	2	133	0.40	226	51	
83350	5	0.2	6.40	2	126	0.2	5	2.21	0.2	42	19	43	35	6.29	0.29	10	16	2.09	699	1	0.11	32	0.07	2	138	0.38	216	76	
83400	5	0.4	6.18	2	156	0.2	5	1.95	0.2	38	16	38	64	5.62	0.32	9	13	1.63	769	1	0.05	25	0.13	2	111	0.38	203	71	
83450	5	0.2	5.77	2	159	0.2	5	2.47	0.2	47	12	40	20	3.86	0.35	13	10	1.28	462	1	0.09	24	0.08	2	143	0.39	236	48	
59800N-83500E	5	0.2	6.03	2	126	0.2	5	2.89	0.2	38	17	30	34	5.72	0.16	10	12	2.06	1220	1	0.05	22	0.10	2	149	0.55	272	73	
59800N-83550E	5	0.2	5.68	2	136	0.2	5	2.62	0.2	38	11	22	37	4.98	0.32	9	8	0.98	498	1	0.05	12	0.09	2	147	0.49	285	49	
83600	5	0.4	4.27	2	249	0.2	5	1.95	0.2	44	8	22	26	3.82	0.41	10	5	0.51	1788	1	0.07	7	0.16	2	146	0.31	191	45	
83650	5	0.2	4.18	2	104	0.7	5	1.59	0.2	48	25	87	67	5.61	0.20	14	31	2.51	993	1	0.07	92	0.28	2	220	0.35	245	98	
83700	5	0.2	4.33	2	178	0.4	5	1.43	0.2	42	26	83	160	6.16	0.39	12	29	2.26	953	1	0.06	67	0.16	2	116	0.30	224	85	
59800N-83750E	5	0.2	3.11	10	158	0.9	5	2.58	0.3	59	23	123	190	4.93	0.83	18	30	2.82	724	1	0.04	106	0.51	2	207	0.32	223	65	
59800N-83800E	5	0.2	3.33	7	143	1.0	5	2.56	0.3	51	26	113	163	4.77	0.60	15	32	3.37	716	1	0.04	133	0.35	2	159	0.36	227	73	
83850	5	0.2	3.30	5	134	0.6	5	1.84	0.4	43	25	90	99	4.84	0.20	14	33	3.16	683	1	0.04	117	0.27	2	155	0.39	237	92	
83900	5	0.2	3.04	2	119	0.6	5	1.84	0.2	49	17	70	133	4.61	0.59	13	26	2.24	547	1	0.03	69	0.25	2	168	0.40	216	61	
83950	5	0.2	3.16	2	113	0.4	5	2.03	0.2	46	17	46	161	4.34	0.23	12	26	1.84	532	1	0.03	54	0.14	2	184	0.36	201	62	
59800N-84000E	5	0.2	3.48	2	149	0.8	5	2.35	0.2	52	22	48	171	4.85	0.21	15	33	2.24	621	1	0.04	66	0.20	2	208	0.41	222	66	
59800N-84050E	5	0.2	0.47	5	340	0.3	5	5.43	0.7	30	4	17	683	0.54	0.07	5	4	0.20	155	1	0.02	17	0.10	2	234	0.03	33	15	
84100	5	0.2	4.07	2	298	0.5	5	2.33	0.2	38	48	128	149	4.72	0.51	10	30	7.17	574	1	0.11	433	0.13	2	105	0.25	102	64	
59800N-84150E	5	0.2	3.44	2	241	0.4	5	2.09	0.2	42	45	234	95	5.26	0.45	11	17	6.27	613	1	0.08	394	0.21	2	120	0.24	129	59	
60000N-82950E	5	0.2	5.33	2	348	0.2	5	1.69	0.2	44	25	17	141	6.08	0.53	11	14	2.05	1551	1	0.12	20	0.10	2	156	0.31	192	90	
60000N-83000E	5	0.2	6.50	2	420	0.2	5	1.83	0.2	46	30	9	176	6.45	0.77	11	17	2.03	1931	1	0.19	13	0.10	2	179	0.18	173	82	
60000N-83050E	5	0.4	4.72	2	174	0.2	5	6.20	0.6	34	58	31	215	8.25	0.26	8	14	2.60	1380	1	0.06	49	0.09	2	155	0.38	209	99	
83100	5	0.8	3.84	2	223	0.2	5	3.48	0.6	41	57	44	186	10.34	0.29	10	16	3.04	1522	1	0.06	57	0.10	2	89	0.38	229	139	
83150	5	0.2	4.63	2	97	0.2	5	2.17	0.2	41	9	45	24	3.72	0.21	8	9	1.06	394	1	0.04	18	0.11	2	126	0.43	204	43	
83200	5	0.2	4.94	2	110	0.2	5	2.59	0.2	43	7	24	21	3.58	0.23	11	7	0.87	458	1	0.04	12	0.09	2	158	0.52	257	36	
60000N-83250E	5	0.2	4.43	2	129	0.2	5	2.20	0.2	41	8	29	29	3.86	0.23	9	7	0.88	506	1	0.05	13	0.15	2	135	0.41	208	41	
60000N-83300E	5	0.2	5.89	2	162	0.2	5	1.37	0.2	38	13	38	36	5.89	0.53	9	12	1.42	593	1	0.05	21	0.08	2	110	0.34	256	54	
83350	5	0.2	5.96	2	114	0.2	5	1.62	0.2	36	23	67	64	6.00	0.24	9	17	2.59	766	1	0.05	50	0.10	2	93	0.33	197	69	
83400	5	0.2	5.71	2	91	0.2	5	3.81	0.2	32	14	164	33	5.38	0.17	8	8	1.28	590	1	0.04	55	0.11	2	140	0.50	232	69	
83450	5	0.2	5.20	2	190	0.2	5	2.23	0.2	43	14	33	39	5.03	0.31	9	11	1.53	536	1	0.05	22	0.08	2	163	0.43	221	64	
60000N-83500E	5	0.4	4.70	2	146	0.2	5	1.39	0.2	40	12	36	41	6.77	0.25	9	9	1.25	569	1	0.04	16	0.13	2	111	0.54	219	59	

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm	0407-012 Pg. 5 of 8
60000N-83550E	5	0.2	5.82	2	405	0.2	5	1.62	0.2	43	17	34	66	7.02	0.34	11	14	1.79	1008	1	0.05	23	0.22	2	265	0.36	183	73	
83600	5	0.2	5.72	2	428	0.3	5	1.49	0.2	39	19	37	60	5.57	0.61	11	16	1.88	1088	1	0.05	31	0.13	2	93	0.24	167	68	
83650	5	0.2	4.29	2	167	0.8	5	2.62	0.3	46	32	101	115	5.31	0.29	14	34	3.75	1529	1	0.06	152	0.25	2	199	0.32	211	84	
83700	5	0.2	3.80	2	125	0.8	5	2.65	0.2	47	22	72	99	4.86	0.17	14	27	2.54	661	1	0.07	90	0.25	2	169	0.36	238	88	
60000N-83750E	5	0.2	3.76	2	140	0.9	5	2.31	0.3	56	22	47	193	5.17	0.22	17	39	2.06	946	1	0.05	56	0.29	2	235	0.38	263	96	
60000N-83800E	5	0.2	3.24	3	129	0.7	5	1.84	0.4	50	23	56	85	5.09	0.16	15	30	2.72	704	1	0.03	76	0.27	2	170	0.41	248	98	
83850	5	0.2	2.86	2	83	0.2	5	1.52	0.2	44	13	41	27	4.28	0.19	12	15	1.35	393	1	0.04	37	0.12	2	296	0.44	212	55	
83900	5	0.2	2.50	3	56	0.4	5	0.94	0.2	35	15	40	50	3.52	0.12	10	19	1.93	410	1	0.03	60	0.12	4	165	0.35	162	55	
83950	5	0.2	3.55	2	95	0.4	5	1.70	0.3	46	16	34	67	4.36	0.24	13	21	1.84	488	1	0.03	46	0.18	2	247	0.37	211	62	
60000N-84000E	5	0.2	2.62	2	83	0.3	5	1.29	0.2	46	13	55	27	4.17	0.20	13	15	1.32	398	1	0.03	42	0.14	2	277	0.44	207	60	
60000N-84050E *	10	1.6	1.79	5	214	1.2	5	2.78	0.7	41	11	59	821	1.95	0.20	28	13	0.53	1456	5	0.03	23	0.19	2	146	0.10	101	50	
84100	10	0.2	3.00	2	121	0.6	5	2.19	0.4	40	35	142	245	4.03	0.29	13	23	5.01	518	1	0.10	287	0.22	2	105	0.24	129	58	
84150	5	0.2	3.57	2	196	0.5	5	2.00	0.3	35	43	111	160	3.91	0.16	10	27	6.53	572	1	0.08	403	0.11	2	81	0.20	95	67	
84200	5	0.2	2.98	2	92	0.5	5	1.56	0.2	45	15	51	70	3.85	0.28	14	19	1.84	448	1	0.04	54	0.21	2	186	0.33	189	61	
60000N-84250E	5	0.2	3.23	4	91	0.8	5	2.23	0.3	52	23	77	200	4.41	0.36	16	29	2.74	682	1	0.05	110	0.33	2	183	0.32	202	62	
60200N-82950E	5	0.2	5.72	23	210	0.3	5	1.84	0.3	42	27	41	156	6.01	0.38	11	15	2.05	1132	1	0.07	40	0.17	2	118	0.33	189	101	
83000	5	0.2	4.92	11	199	0.2	5	1.82	0.2	43	21	39	104	5.12	0.37	11	12	1.68	777	1	0.06	32	0.13	2	119	0.31	174	85	
83100	5	0.2	6.26	2	126	0.2	5	2.65	0.2	43	28	39	99	5.78	0.26	11	16	2.22	840	1	0.06	41	0.09	2	151	0.36	201	88	
83150	5	0.2	4.47	2	147	0.2	5	2.40	0.2	46	9	40	26	3.37	0.28	11	7	0.85	596	1	0.06	14	0.11	2	163	0.36	208	43	
60200N-83200E	5	0.2	4.53	2	117	0.2	5	2.49	0.2	48	4	27	20	2.31	0.25	10	7	0.49	240	1	0.05	9	0.14	5	141	0.44	190	23	
60200N-83250E	5	0.2	1.66	3	73	0.2	5	0.87	0.3	30	8	48	24	1.95	0.17	5	5	0.64	293	1	0.03	17	0.16	6	47	0.11	58	56	
83300	5	0.2	5.04	2	196	0.2	5	1.48	0.2	40	13	42	34	5.27	0.27	9	12	1.33	547	1	0.08	20	0.13	2	124	0.32	204	64	
83350	5	0.2	4.98	5	166	0.2	5	1.58	0.2	41	25	37	72	6.02	0.20	11	14	1.97	1054	1	0.05	27	0.11	2	152	0.35	209	110	
83400	5	0.2	5.46	2	188	0.2	5	1.75	0.2	41	37	37	79	6.67	0.28	10	14	2.10	1571	1	0.05	27	0.15	2	170	0.37	213	107	
60200N-83450E	5	0.2	5.97	2	241	0.2	5	1.92	0.2	42	19	40	61	6.28	0.31	10	14	2.03	792	1	0.09	31	0.10	2	188	0.33	213	90	
60200N-83500E	5	0.2	5.94	2	215	0.2	5	2.09	0.2	45	13	30	39	5.14	0.30	10	11	1.43	707	1	0.08	17	0.12	2	197	0.40	243	68	
83550	5	0.2	5.87	2	225	0.2	5	2.01	0.2	46	21	42	72	5.88	0.39	11	15	2.23	813	1	0.06	37	0.09	2	124	0.38	220	70	
83600	5	0.2	5.46	2	306	0.4	5	1.33	0.2	42	22	63	77	6.16	0.45	11	17	2.29	1180	1	0.05	64	0.16	2	112	0.35	264	87	
83650	5	0.2	4.49	2	327	0.3	5	1.33	0.2	46	8	47	26	4.22	0.49	13	10	0.78	324	1	0.05	22	0.14	3	206	0.34	234	43	
60200N-83700E	5	0.2	4.56	2	247	0.6	5	1.96	0.2	51	30	79	78	5.74	0.25	13	33	2.90	1471	1	0.06	99	0.28	2	180	0.39	270	131	
60200N-83750E *	5	1.0	1.02	6	243	0.4	5	3.79	0.9	29	8	29	160	1.18	0.14	5	5	0.28	1801	6	0.03	20	0.17	2	111	0.06	62	31	
83800	5	0.2	3.40	2	174	0.3	5	1.51	0.2	46	14	25	35	4.23	0.39	12	19	1.50	512	1	0.03	29	0.23	3	233	0.36	211	63	
83850	5	0.2	3.37	2	94	0.4	5	1.63	0.2	49	16	33	58	4.88	0.23	13	30	1.66	525	1	0.03	38	0.27	2	252	0.35	232	63	
83900	5	0.2	2.91	2	117	0.3	5	1.38	0.2	43	10	28	29	4.11	0.25	11	17	1.14	362	1	0.03	26	0.20	3	230	0.33	198	47	
60200N-83950E	5	0.2	2.99	3	95	0.5	5	1.47	0.3	45	16	46	54	4.54	0.44	12	23	1.83	484	1	0.03	51	0.12	2	215	0.41	228	69	
60200N-84000E	5	0.2	3.24	4	192	0.5	5	2.19	0.5	50	21	54	91	4.53	0.31	13	28	2.22	747	1	0.05	69	0.21	2	246	0.42	234	87	
84050	5	0.2	3.81	7	99	0.7	5	2.48	0.5	51	26	41	144	5.13	0.13	14	43	2.84	734	1	0.05	80	0.25	2	217	0.44	274	87	
84100	5	0.2	4.02	6	147	1.0	5	2.50	0.4	51	29	44	240	5.24	0.16	14	53	2.98	743	1	0.04	87	0.22	2	182	0.44	286	94	
84150 *	5	0.2	0.22	6	144	0.2	5	4.77	0.7	22	3	6	85	0.26	0.06	2	3	0.12	443	4	0.03	9	0.09	2	122	0.01	60	41	
60200N-84200E	20	0.2	3.50	6	155	0.7	5	2.40	0.3	47	19	51	79	4.89	0.50	14	27	2.21	657	4	0.04	64	0.32	2	199	0.31	241	77	
60200N-84250E	10	0.2	4.35	2	163	0.6	5	2.53	0.2	52	27	64	161	5.33	0.32	15	25	2.38	951	1	0.07	65	0.23	2	180	0.33	220	85	
60400N-83100NE	5	0.2	4.74	5	184	0.2	5	2.44	0.4	45	28	30	103	5.55	0.30	11	13	1.98	1208	1	0.05	29	0.12	2	213	0.33	191	106	
83150	5	0.2	4.81	2	187	0.2	5	1.71	0.4	41	28	29	84	5.57	0.21	11	13	1.85	1487	1	0.04	27	0.13	2	150	0.34	189	122	
83200	5	0.2	4.81	2	175	0.2	5	1.64	0.2	48	10	36	32	5.89	0.23	13	9	1.17	456	1	0.04	13	0.10	2	152	0.52	284	66	
60400N-83250E	5	0.4	6.85	2	277	0.2	5	1.34	0.2	42	23	29	86	6.31	0.34	11	15	1.87	1048	1	0.12	25	0.14	2	198	0.29	202	107	

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm	0407-012 Pg. 6 of 8
60400N-83300E	5	0.2	5.92	2	272	0.2	5	1.53	0.2	44	22	30	70	5.96	0.34	11	13	1.79	874	1	0.09	27	0.13	2	188	0.34	201	91	
83350	5	0.2	6.31	2	176	0.2	5	1.97	0.2	50	21	39	57	6.78	0.28	13	16	1.76	729	1	0.05	27	0.10	2	153	0.43	213	79	
83400	5	0.2	5.91	2	131	0.2	5	3.12	0.2	51	15	24	32	5.71	0.27	12	10	1.11	727	1	0.06	20	0.09	2	157	0.50	265	63	
83450	5	0.2	5.05	2	147	0.2	5	1.50	0.2	42	18	59	53	7.00	0.32	10	11	1.43	1215	1	0.05	29	0.26	2	108	0.39	204	67	
60400N-83500E	5	0.2	6.12	2	182	0.2	5	1.73	0.2	47	19	65	35	6.41	0.37	11	16	1.77	963	1	0.13	37	0.11	2	125	0.35	249	69	
60400N-83550E	5	0.2	6.47	2	225	0.2	5	1.71	0.2	42	15	38	45	4.94	0.34	10	15	1.62	846	1	0.08	24	0.09	2	177	0.32	196	106	
83600	5	0.2	5.75	2	165	0.2	5	2.43	0.2	43	23	53	35	6.40	0.24	11	17	2.59	768	1	0.04	45	0.08	2	151	0.50	272	71	
83650	5	0.2	5.53	2	124	0.2	5	1.75	0.2	47	14	40	30	5.58	0.31	12	18	1.40	559	1	0.05	22	0.11	2	151	0.44	240	61	
83700	5	0.2	4.51	2	85	0.9	5	1.17	0.2	46	21	37	57	6.24	0.29	15	35	1.92	575	1	0.03	45	0.33	2	159	0.31	292	98	
60400N-83750E	5	0.2	4.47	2	129	0.4	5	1.93	0.2	47	16	30	37	5.10	0.26	12	22	1.65	527	1	0.03	33	0.21	2	250	0.34	220	61	
60400N-83800E	5	0.2	5.46	2	166	0.3	5	3.07	0.3	44	18	31	60	5.18	0.31	11	15	1.52	843	1	0.04	28	0.08	2	149	0.36	216	68	
83850	5	0.2	4.04	2	126	0.3	5	2.64	0.2	47	17	34	69	4.69	0.27	12	19	1.66	646	1	0.04	36	0.13	2	210	0.36	214	67	
83900	5	0.2	4.03	2	180	0.5	5	2.63	0.6	49	16	31	222	4.32	0.29	14	24	1.48	671	1	0.04	31	0.15	2	235	0.34	214	70	
83950	5	0.2	3.64	2	156	0.5	5	2.51	0.4	50	18	34	104	4.23	0.41	13	23	1.61	628	1	0.04	38	0.16	2	229	0.32	201	65	
60400N-84000E	5	0.2	3.80	2	139	0.5	5	2.45	0.5	51	20	36	141	4.52	0.24	13	26	1.85	889	1	0.03	42	0.17	2	247	0.33	206	73	
60400N-84050E	5	0.2	3.04	2	105	0.3	5	1.67	0.2	45	15	44	70	4.20	0.19	11	20	1.64	600	1	0.03	41	0.13	2	230	0.40	203	73	
84100	5	0.2	3.55	2	215	0.8	5	2.34	0.6	56	21	47	221	4.78	0.35	16	30	1.84	2369	2	0.03	51	0.28	2	329	0.33	216	86	
84150	5	0.6	3.50	2	241	1.4	5	2.30	0.5	54	18	44	763	4.17	0.29	25	23	1.42	1564	4	0.04	45	0.33	2	348	0.23	211	64	
84200	5	0.2	3.71	2	118	0.6	5	1.95	0.3	52	21	39	113	4.93	0.43	14	35	2.04	655	1	0.04	51	0.18	2	234	0.37	226	75	
60400N-84250E	20	0.2	5.49	2	213	0.3	5	2.75	0.2	42	31	38	174	5.81	0.37	11	17	2.18	1067	1	0.09	42	0.12	2	164	0.32	201	96	
60600N-83150E *	5	0.2	2.15	2	107	0.2	5	2.85	0.4	34	11	20	47	2.63	0.17	6	7	0.91	581	1	0.03	13	0.11	2	108	0.17	88	52	
83200	5	0.2	5.65	2	267	0.2	5	2.43	0.2	45	35	26	125	6.80	0.43	11	14	2.17	1348	1	0.05	36	0.11	2	215	0.41	209	105	
83250	5	0.2	3.57	2	214	0.2	5	2.85	0.7	40	34	26	80	4.96	0.38	8	9	1.30	1519	1	0.04	34	0.19	2	133	0.26	150	89	
83300	5	0.2	6.74	2	266	0.2	5	2.10	0.2	46	37	45	136	7.19	0.47	11	16	1.91	1391	1	0.15	78	0.16	2	203	0.35	207	100	
60600N-83350E	5	0.2	5.94	2	232	0.2	5	2.05	0.2	46	9	29	27	4.89	0.42	11	11	1.10	467	1	0.10	14	0.13	2	164	0.39	217	60	
60600N-83400E	5	0.2	5.91	2	185	0.2	5	2.18	0.2	50	13	41	31	6.15	0.42	12	12	1.26	623	1	0.09	22	0.13	2	154	0.43	236	62	
83450	5	0.2	6.07	2	192	0.2	5	2.74	0.2	51	13	37	37	5.85	0.40	12	10	1.18	757	1	0.06	21	0.15	2	171	0.53	251	62	
83500	5	0.2	5.92	2	127	0.2	5	3.04	0.2	50	18	43	42	5.83	0.26	12	15	1.71	773	1	0.05	32	0.08	2	194	0.45	209	68	
83550	5	0.2	5.61	2	151	0.2	5	2.38	0.2	44	17	46	39	4.87	0.33	11	12	1.21	1015	1	0.06	33	0.14	2	141	0.38	204	64	
60600N-83600E	5	0.2	5.36	2	168	0.2	5	2.01	0.2	45	19	40	47	6.62	0.34	11	12	1.47	930	1	0.05	23	0.16	2	129	0.54	270	71	
60600N-83650E	5	0.2	5.45	2	179	0.2	5	2.45	0.2	45	11	25	26	4.88	0.38	11	10	1.01	551	1	0.05	14	0.11	2	156	0.47	240	53	
83700	5	0.2	5.20	2	154	0.2	5	1.90	0.2	49	12	40	24	4.99	0.35	13	9	1.10	580	1	0.05	15	0.12	2	130	0.41	227	56	
83750	5	0.2	4.67	2	95	0.2	5	2.25	0.2	45	15	34	37	5.89	0.20	10	11	1.30	590	1	0.04	18	0.10	2	134	0.41	223	59	
83800	5	0.2	3.01	2	160	0.5	5	0.82	0.2	37	9	17	15	2.87	0.53	11	12	0.66	1107	1	0.03	15	0.14	6	55	0.17	177	46	
60600N-83850E	5	0.2	4.87	2	131	0.2	5	2.71	0.2	42	15	33	35	5.37	0.25	10	10	1.28	665	1	0.04	22	0.16	2	134	0.39	207	61	
60600N-83900E	5	0.2	3.72	2	111	0.2	5	2.00	0.2	43	11	24	22	4.48	0.26	11	12	0.97	428	1	0.04	16	0.08	9	146	0.30	206	53	
83950	5	0.2	4.11	3	171	0.5	5	1.78	0.5	47	20	27	81	4.76	0.39	14	28	1.64	770	1	0.04	31	0.17	12	146	0.29	203	126	
84000	5	0.2	3.96	2	295	0.6	5	2.07	0.7	45	18	26	79	4.15	0.44	15	32	1.52	756	1	0.04	30	0.15	15	203	0.26	181	150	
84050	5	0.2	3.30	2	217	0.3	5	1.72	0.2	44	10	26	23	4.06	0.30	11	13	0.87	499	1	0.04	14	0.12	8	150	0.32	186	73	
60600N-84100E	5	0.2	3.80	2	147	0.2	5	2.00	0.2	41	10	25	33	4.17	0.34	10	14	0.97	431	1	0.04	18	0.14	4	177	0.35	206	59	
60600N-84150E	5	0.2	2.04	2	161	0.3	5	0.95	0.2	42	11	22	13	3.24	0.46	12	11	0.69	985	1	0.03	14	0.14	6	250	0.49	210	49	
84200	5	0.2	4.01	2	335	0.5	5	2.46	0.6	47	19	31	85	4.53	0.35	13	34	1.67	1038	1	0.04	35	0.16	4	273	0.32	207	88	
60600N-84250E	5	0.2	4.22	2	158	0.4	5	2.31	0.2	46	15	28	45	4.73	0.31	12	22	1.50	586	1	0.04	28	0.20	2	198	0.34	224	71	
60800N-83500E	5	0.2	6.99	2	280	0.3	5	2.96	0.2	39	51	85	324	6.12	0.54	9	17	2.38	3286	1	0.05	114	0.15	2	166	0.38	175	104	
60800N-83600E	5	0.2	6.34	2	273	0.2	5	2.10	0.2	41	17	26	61	6.03	0.62	11	14	1.40	703	1	0.07	20	0.10	2	166	0.27	217	73	

SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm	9407-012 Pg. 7 of 8
60800N-83650E	5	0.2	5.20	2	202	0.2	5	1.58	0.2	45	8	25	32	4.17	0.36	12	11	0.91	368	1	0.06	10	0.12	2	156	0.40	191	57	
83700	5	0.2	5.56	2	195	0.2	5	2.18	0.2	43	12	28	28	5.14	0.45	11	12	1.03	552	1	0.04	15	0.10	2	123	0.40	213	54	
83750	5	0.2	4.91	2	142	0.2	5	1.97	0.2	41	13	36	41	6.15	0.28	11	14	1.26	583	1	0.04	18	0.12	2	114	0.40	211	59	
83800	5	0.2	4.90	2	119	0.2	5	3.31	0.2	38	6	28	17	3.29	0.23	9	6	0.59	439	1	0.04	9	0.06	2	167	0.41	229	34	
60800N-83850E	5	0.2	4.75	2	94	0.2	5	2.46	0.2	38	10	25	28	5.90	0.20	9	8	0.88	506	1	0.04	13	0.07	2	141	0.52	232	46	
60800N-83900E	5	0.2	4.82	2	135	0.2	5	2.40	0.2	39	10	33	30	5.69	0.25	9	8	0.90	495	1	0.04	14	0.07	2	123	0.50	246	52	
83950	5	0.2	4.42	2	174	0.3	5	2.32	0.2	40	15	23	76	4.44	0.32	11	25	1.25	736	1	0.05	16	0.07	2	124	0.31	175	68	
84000	5	0.2	3.86	2	142	0.2	5	2.46	0.2	43	5	20	15	2.82	0.29	10	9	0.28	292	1	0.05	5	0.05	6	130	0.32	195	29	
84050	5	2.0	1.73	2	243	0.5	5	4.57	4.8	29	7	25	316	1.03	0.10	9	6	0.19	2121	4	0.03	14	0.19	4	136	0.06	36	60	
60800N-84100E	5	0.2	3.46	2	132	0.3	5	1.63	0.3	41	10	19	24	4.04	0.24	10	17	1.04	404	1	0.04	15	0.06	4	156	0.27	164	74	
60800N-84150E	5	0.2	3.43	2	225	0.5	5	2.32	0.9	42	13	23	121	3.65	0.34	11	17	0.83	1062	1	0.04	16	0.10	15	123	0.24	148	101	
84200	5	0.2	4.59	2	248	0.3	5	2.89	0.5	42	29	57	68	5.39	0.31	11	15	1.84	1114	1	0.07	30	0.11	2	163	0.30	194	86	
60800N-84250E	5	0.2	3.92	2	200	0.5	5	2.76	0.2	47	20	35	58	4.88	0.23	14	37	1.54	973	1	0.05	28	0.14	2	171	0.30	215	81	
61000N-83200E	5	0.2	4.04	2	294	0.2	5	4.07	1.2	37	25	27	101	5.43	0.37	12	12	1.81	1029	1	0.09	39	0.09	2	186	0.31	205	118	
61000N-83250E	5	0.2	4.26	2	247	0.2	5	1.31	0.5	37	25	28	54	5.81	0.26	10	12	1.65	968	1	0.04	21	0.11	2	120	0.35	199	115	
61000N-83300E	5	0.2	4.69	2	307	0.2	5	2.44	0.9	46	30	28	107	6.14	0.46	13	13	2.07	1071	1	0.06	36	0.12	2	205	0.35	221	125	
83350	5	0.2	5.66	10	354	0.2	5	3.15	0.6	47	37	21	133	6.48	0.59	13	15	2.28	1298	1	0.06	37	0.12	2	274	0.34	207	125	
83450	5	0.2	4.32	5	140	0.2	5	4.73	0.9	44	65	34	240	8.25	0.24	12	15	2.18	1809	1	0.04	100	0.11	2	144	0.34	189	108	
83500	5	0.2	1.40	3	83	0.2	5	3.84	0.9	35	5	18	25	1.18	0.15	6	4	0.21	234	1	0.03	10	0.10	2	88	0.10	55	32	
61000N-83550E	5	0.2	5.20	29	174	0.2	5	2.34	0.2	48	27	58	81	5.65	0.29	11	12	1.77	1135	1	0.04	49	0.19	2	131	0.35	212	96	
61000N-83600E	5	0.2	2.00	7	109	0.2	5	3.04	1.2	37	11	27	44	2.28	0.16	7	7	0.69	830	4	0.03	22	0.14	2	84	0.13	83	58	
83650	5	0.2	5.08	2	108	0.2	5	2.70	0.2	41	11	33	29	5.57	0.19	9	10	1.06	530	1	0.04	16	0.06	2	174	0.45	239	50	
83700	5	0.2	5.24	2	90	0.2	5	2.96	0.2	36	16	44	35	4.74	0.19	9	11	1.57	578	1	0.04	31	0.07	2	150	0.46	233	49	
83750	5	0.2	6.21	2	162	0.2	5	2.37	0.2	39	21	34	97	5.06	0.26	9	12	1.64	706	1	0.04	33	0.11	2	117	0.32	167	80	
61000N-83800E	5	0.2	5.48	2	129	0.2	5	3.59	0.2	38	18	37	71	4.74	0.25	10	12	1.51	860	1	0.04	30	0.08	2	160	0.33	190	71	
61000N-83850E	5	0.2	5.17	2	121	0.2	5	3.09	0.2	41	12	29	26	5.44	0.23	9	9	1.03	546	1	0.04	17	0.06	2	156	0.58	281	56	
83900	5	0.2	4.98	2	92	0.2	5	2.34	0.2	41	14	31	26	6.01	0.22	9	10	1.54	592	1	0.04	22	0.11	2	121	0.54	261	68	
83950	5	0.2	4.83	2	86	0.2	5	2.32	0.2	41	15	33	30	6.65	0.20	9	11	1.54	599	1	0.04	21	0.07	2	127	0.61	297	62	
84000	5	0.2	4.53	2	127	0.2	5	2.42	0.2	44	9	22	26	4.74	0.27	10	11	0.79	474	1	0.05	9	0.09	5	130	0.47	252	50	
61000N-84050E	5	0.2	4.27	2	98	0.2	5	2.95	0.2	42	8	17	18	3.46	0.20	9	7	0.53	400	1	0.04	8	0.05	2	153	0.40	254	32	
61000N-84100E	5	0.2	3.43	2	130	0.2	5	2.22	0.2	41	3	21	11	2.06	0.27	8	6	0.19	258	1	0.04	3	0.04	3	107	0.32	167	27	
84150	10	0.2	1.98	2	109	0.3	5	0.58	0.2	27	1	11	6	1.03	0.21	8	6	0.11	84	1	0.03	3	0.03	4	53	0.11	88	17	
84200	5	0.2	5.02	2	202	0.2	5	3.02	0.2	42	23	47	81	5.05	0.30	11	12	1.77	1152	1	0.05	32	0.11	2	177	0.35	207	92	
84250	5	0.2	5.37	2	191	0.2	5	3.13	0.2	43	24	32	88	5.33	0.33	11	13	1.91	1036	1	0.06	33	0.10	2	190	0.37	218	93	
61000N-84300E	5	0.2	5.37	2	207	0.2	5	2.49	0.2	45	20	34	56	5.65	0.31	11	14	1.86	739	1	0.05	29	0.09	2	169	0.36	220	90	
	5	0.2	5.40	2	103	0.2	5	3.51	0.2	43	12	28	20	4.27	0.23	10	9	1.16	560	1	0.06	19	0.08	2	159	0.44	263	46	
	5	0.2	4.89	2	106	0.2	5	3.31	0.3	41	18	25	75	4.91	0.18	10	12	1.71	1078	1	0.05	20	0.08	2	127	0.43	224	71	
	5	0.2	5.70	2	160	0.2	5	2.40	0.5	45	39	108	87	6.22	0.19	11	27	3.14	3138	1	0.04	76	0.09	2	83	0.47	234	162	
	5	0.2	5.55	2	72	0.2	5	2.38	0.2	42	27	89	139	5.85	0.12	11	24	3.20	977	1	0.04	76	0.13	2	90	0.46	227	117	
	5	0.2	5.75	2	112	0.2	5	2.66	0.2	46	19	33	37	6.06	0.27	11	15	1.88	841	1	0.04	22	0.08	2	147	0.41	216	101	
	5	0.2	4.74	2	224	0.2	5	1.63	0.2	40	16	33	56	5.42	0.34	11	12	1.51	666	1	0.06	22	0.15	2	146	0.32	187	80	
	5	0.2	5.60	2	200	0.2	5	1.83	0.2	43	22	38	65	5.85	0.15	11	18	1.61	881	1	0.08	25	0.13	2	261	0.37	219	81	
	5	0.2	5.20	2	282	0.2	5	1.42	1.6	45	45	42	84	6.50	0.40	12	12	1.20	2484	2	0.07	65	0.18	2	244	0.27	254	179	
	5	0.2	4.88	2	275	0.2	5	2.22	0.2	48	15	24	40	4.71	0.31	13	9	1.14	650	4	0.04	18	0.12	2	342	0.42	249	76	
	5	0.2	5.54	5	265	0.2	5	4.44	0.6	43	41	34	140	6.68	0.45	12	16	2.62	1047	1	0.04	52	0.12	2	405	0.36	207	128	

Γ.	SAMPLE No.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sr	Ti	V	Zn	0407-012
		ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm
		5	0.2	4.72	2	92	0.2	5	2.94	0.2	48	15	26	106	5.50	0.16	12	13	1.15	583	1	0.05	16	0.08	2	123	0.41	225	61	
		5	0.2	3.97	22	169	0.4	5	3.48	1.0	48	25	55	435	4.23	0.15	13	11	0.88	2948	3	0.04	31	0.33	2	88	0.23	135	65	
		5	0.2	5.22	7	259	0.2	5	2.31	0.6	52	33	33	98	6.11	0.42	14	15	2.23	1068	1	0.05	42	0.13	2	340	0.33	205	122	
		5	0.2	3.07	6	222	0.2	5	1.61	0.5	43	23	42	47	3.76	0.24	9	8	1.20	1187	1	0.03	27	0.14	2	187	0.21	124	81	
		5	0.2	4.26	16	239	0.2	5	2.57	1.6	46	44	40	104	5.94	0.29	12	12	1.62	1576	2	0.05	52	0.12	2	258	0.26	171	123	
		5	0.2	4.96	5	197	0.2	5	2.54	0.5	46	34	35	90	5.98	0.25	14	14	2.12	1097	1	0.04	36	0.10	2	392	0.33	199	100	
		5	0.2	1.92	7	129	0.2	5	1.89	0.7	34	19	29	43	2.88	0.18	7	7	0.86	717	1	0.03	17	0.10	2	115	0.15	84	79	
		5	0.2	2.25	5	154	0.2	5	2.68	1.1	35	22	23	69	3.39	0.26	7	7	0.95	909	2	0.03	21	0.11	2	133	0.16	98	112	
		5	0.2	3.36	6	216	0.2	5	3.81	1.7	37	36	27	148	6.22	0.30	10	11	1.47	1246	2	0.04	46	0.11	2	185	0.25	153	130	
		10	0.2	4.69	6	306	0.2	5	2.83	1.0	46	33	26	126	6.39	0.49	12	14	1.98	1084	2	0.05	42	0.11	2	264	0.32	198	144	
		5	0.2	4.65	6	308	0.2	5	2.57	0.9	48	33	26	121	6.45	0.48	12	14	1.93	1051	2	0.05	43	0.11	2	255	0.33	199	143	
	M 169905 silt	5	0.2	4.78	6	228	0.2	5	1.98	0.6	40	28	28	117	5.54	0.41	11	14	2.13	1144	1	0.07	32	0.12	2	169	0.32	207	116	
	S 169909	5	0.2	4.65	9	197	0.2	5	2.40	0.3	40	25	31	91	5.36	0.31	11	13	1.91	1079	1	0.06	34	0.11	2	176	0.34	201	104	
	S 169910 silt	5	0.2	4.97	2	151	0.2	5	3.45	0.2	36	21	42	65	4.74	0.30	9	11	1.57	872	1	0.05	29	0.08	2	170	0.32	195	73	

NORANDA DELTA LABORATORY

Geochemical Analysis

Project Name & No.: DARB - 45586

Geol.: G.G.

Date received: JULY 21

LAB CODE: 9407-029

Material: 48 Soils

Sheet: 1 of 2

Date completed: JULY 29

Remarks: * Sample screened @ -35 MESH (0.5 mm)

‡ Organic, Δ Humus, S Sulfide

Au - 10.0 g sample digested with aqua-regia and determined by A.A. (D.L. 5 PPB)

ICP - 0.2 g sample digested with 3 ml HClO₄/HNO₃ (4:1) at 203 °C for 4 hours diluted to 10 ml with water. Leeman PS3000 ICP determined elemental contents.

N.B. The major oxide elements and Ba, Be, Ce, La, Li, Ga are rarely dissolved completely from geological materials with this acid dissolution method.

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
177	612N-83250E	5	0.2	7.43	6	172	0.2	5	3.07	0.4	35	38	45	119	6.43	0.36	11	15	2.27	1248	1	0.07	77	0.09	9	187	0.37	184	129
178	83300	5	0.2	5.98	5	202	0.2	5	2.59	0.4	35	20	59	46	6.61	0.34	11	13	1.60	858	1	0.07	41	0.15	8	156	0.46	214	90
179	83350	5	0.2	5.36	10	248	0.2	5	2.38	0.7	36	27	27	108	5.97	0.25	12	12	1.94	1191	1	0.04	31	0.13	8	207	0.38	196	120
180	83400	5	0.2	7.20	2	195	0.3	5	1.95	0.3	34	30	30	171	6.26	0.39	11	15	2.61	1384	1	0.06	40	0.08	6	114	0.29	142	104
181	612N-83450F	5	0.2	4.97	2	181	0.2	5	2.02	0.4	37	11	32	45	4.67	0.25	10	8	0.99	419	1	0.04	16	0.09	7	163	0.43	207	61
182	612N-83500E	5	0.2	4.25	2	330	0.2	5	2.49	1.3	37	29	25	84	5.92	0.43	12	13	1.69	1730	1	0.04	32	0.11	7	207	0.33	172	132
183	83550	5	0.2	4.26	14	248	0.2	5	2.53	1.3	37	25	25	86	5.73	0.37	11	11	1.69	1136	2	0.05	35	0.12	5	177	0.31	171	124
184	83600	5	0.2	5.11	18	273	0.2	5	2.12	1.1	39	30	25	111	6.16	0.39	13	13	2.01	1175	1	0.05	39	0.10	6	213	0.35	189	136
185	83650	5	0.2	4.62	2	122	0.2	5	2.09	1.0	41	37	21	76	7.39	0.15	11	11	1.74	1541	1	0.03	22	0.15	7	188	0.29	141	126
186	612N-83700E	5	0.2	3.83	9	217	0.2	5	1.86	1.2	40	54	27	93	7.54	0.26	12	11	1.54	1926	3	0.05	27	0.17	8	140	0.30	159	145
187	612N-83750E	5	0.2	5.15	2	255	0.2	5	2.52	1.3	40	31	30	83	6.19	0.36	12	13	1.94	1854	2	0.04	32	0.13	6	160	0.34	187	130
188	83800	5	0.2	5.44	3	180	0.2	5	2.49	0.6	39	15	32	42	5.21	0.31	11	11	1.50	726	1	0.04	23	0.10	8	133	0.38	203	91
189	83850	5	0.2	5.04	2	73	0.2	5	2.27	0.6	39	20	39	58	5.94	0.17	11	17	2.05	687	1	0.04	32	0.08	6	108	0.40	205	85
190	83900	5	0.2	4.97	2	99	0.2	5	2.40	0.3	40	15	35	33	5.24	0.24	11	15	1.75	636	1	0.04	24	0.08	9	119	0.40	203	74
191	612N-83950E	5	0.2	4.67	2	104	0.2	5	2.14	0.2	44	11	23	31	4.95	0.24	12	11	0.95	443	1	0.04	11	0.06	10	108	0.41	227	53
192	612N-84000E	5	0.2	4.29	2	69	0.2	5	3.35	0.3	41	6	13	18	3.52	0.14	11	9	0.40	424	1	0.04	5	0.06	11	162	0.47	235	30
193	84050	50	1.0	3.98	2	103	0.3	5	2.13	0.2	40	7	13	17	3.39	0.36	11	7	0.66	345	2	0.04	8	0.04	34	95	0.33	194	51
194	84100	10	1.8	4.26	2	103	0.2	5	2.62	0.4	41	9	21	33	4.38	0.21	11	10	0.76	457	3	0.05	10	0.06	22	116	0.36	206	132
195	84150	5	0.2	2.96	2	128	0.4	5	1.19	0.3	35	8	16	20	3.69	0.32	10	12	0.81	364	1	0.04	11	0.05	21	64	0.19	152	57
196	612N-84200E	5	0.2	2.67	2	198	0.3	5	1.67	0.3	40	7	17	18	3.08	0.27	9	9	0.61	313	1	0.04	9	0.05	15	103	0.21	151	48
197	612N-84250E	5	0.2	4.86	10	289	0.3	5	2.47	0.6	43	17	32	89	4.77	0.36	13	19	1.57	772	3	0.05	23	0.14	14	154	0.32	188	139
198	84300 Δ*	5	0.6	1.27	8	485	0.4	5	3.55	3.0	34	9	14	112	1.31	0.13	9	5	0.21	2164	6	0.03	9	0.23	11	313	0.05	42	38
201	612N-84350E	15	0.2	5.06	4	253	0.3	5	2.56	0.2	38	30	46	161	5.67	0.38	12	16	2.13	965	1	0.09	46	0.11	4	188	0.29	186	110
202		5	0.2	5.52	22	260	0.2	5	4.36	0.9	24	35	28	125	6.56	0.37	11	15	2.49	1028	1	0.05	43	0.10	2	338	0.34	201	144
203		5	0.2	4.38	15	179	0.2	5	3.19	0.7	31	26	30	97	5.61	0.23	10	11	1.88	880	1	0.04	33	0.11	2	271	0.29	173	124
204		5	0.2	3.86	7	191	0.2	5	2.85	0.6	34	36	21	105	6.62	0.27	10	11	1.35	1399	1	0.04	30	0.15	7	219	0.25	125	119
205		5	0.2	6.17	6	269	0.2	5	2.54	0.8	39	39	47	133	7.25	0.40	12	14	2.07	1532	1	0.07	73	0.14	5	286	0.35	221	148
206		5	0.2	4.33	2	134	0.2	5	2.98	0.7	35	17	18	38	5.20	0.18	9	7	1.00	812	1	0.04	17	0.12	5	147	0.34	157	90
207		5	0.2	4.36	2	204	0.2	5	2.27	0.4	41	11	30	38	3.76	0.29	11	7	0.83	480	1	0.07	19	0.12	7	195	0.29	187	65
208		5	0.2	5.01	2	121	0.2	5	3.33	0.2	38	8	16	19	3.69	0.30	11	6	0.84	496	1	0.05	12	0.12	7	149	0.31	164	51
209		5	0.2	4.65	2	57	0.2	5	2.69	0.2	37	17	55	16	4.88	0.11	10	12	2.10	683	1	0.04	56	0.07	6	124	0.48	251	61
210		5	0.2	4.82	2	131	0.2	5	2.48	0.6	46	19	57	91	5.30	0.17	14	19	1.78	2337	3	0.05	37	0.11	7	97	0.38	192	119
211		5	0.2	5.18	2	74	0.2	5	3.32	0.4	33	8	20	20	4.74	0.11	9	7	0.69	461	1	0.04	10	0.06	7	131	0.54	296	39
212		10	0.2	5.13	2	120	0.2	5	3.15	0.2	34	7	15	21	5.30	0.17	11	7	0.91	535	1	0.05	9	0.06	4	138	0.55	276	55
213		5	0.2	4.93	2	138	0.2	5	2.90	0.5	36	12	21	38	5.25	0.21	11	9	1.09	699	2	0.06	13	0.05	5	131	0.47	252	89

22/08 GB 99J

APPENDIX IV
STATEMENT OF COSTS

NORANDA EXPLORATION COMPANY, LIMITED
STATEMENT OF COSTS

PROJECT: DARB

DATE: SEPTEMBER 1994

TYPE OF REPORT: GEOLOGICAL/GEOCHEMICAL

- a) Wages:
- | | | | |
|------------------|------------------------------|--|-------------|
| No. of Mandays : | 78 mandays | | |
| Rate per Manday: | \$147.44/manday | | |
| Dates From : | | | |
| Total Wages : | 78 mandays x \$147.44/manday | | \$11,500.00 |
- b) Food & Accommodations:
- | | | | |
|------------------|-----------------------------|--|------------|
| No. of Mandays : | 78 mandays | | |
| Rate per Manday: | \$31.15/manday | | |
| Dates From : | | | |
| Total Costs : | 78 mandays x \$31.15/manday | | \$2,450.00 |
- c) Transportation:
- | | | | |
|------------------|-----------------------------|--|------------|
| No. of Mandays : | 78 mandays | | |
| Rate per Manday: | \$22.97/manday | | |
| Dates From : | | | |
| Total Costs : | 78 mandays x \$22.97/manday | | \$1,792.00 |
- d) Instrument Rental:
- | | | | |
|---------------------|--|--|--|
| Type of Instrument: | | | |
| No. of Mandays : | | | |
| Rate per Manday: | | | |
| Dates From : | | | |
| Total Costs : | | | |
-
- | | | | |
|---------------------|--|--|--|
| Type of Instrument: | | | |
| No. of Mandays : | | | |
| Rate per Manday: | | | |
| Dates From : | | | |
| Total Costs : | | | |

e)	Analysis: (See attached schedule)	\$4,298.40
f)	Cost of Preparation of Report:	
	Author : 2 mandays @ \$260.00/manday	\$520.00
	Drafting: 1 manday @ \$220.00/manday	\$220.00
	Typing : 1 manday @ \$200.00/manday	\$200.00
g)	Other:	
	Contractor: Pacific Western Helicopters 10.7 hours @ \$700.00/hour (including fuel)	\$7,484.00
	TOTAL COST	\$28,444.40
h)	Unit Costs for Geology	
	No. of Mandays : 20 mandays	
	No. of Units : 20 mandays	
	Unit Costs : \$309.56/manday	
	Total Cost : 20 mandays x \$309.56/manday	\$6,191.28
i)	Unit Costs for Geochem	
	No. of Mandays : 22 mandays	
	No. of Units : 310 samples	
	Unit Costs : \$35.84/sample	
	Total Cost : 310 samples x \$35.84/sample	\$11,108.81
j)	Unit Costs for Linecutting	
	No. of Mandays: 36 mandays	
	No. of Units : 36 mandays	
	Unit Costs : \$309.56/mandays	
	Total Costs : 36 mandays x \$309.56/manday	\$11,144.31
	GRAND TOTAL	28,444.40

NORANDA EXPLORATION COMPANY, LIMITED

DETAILS OF ANALYSIS COSTS

PROJECT: DARB

ELEMENT	NO. OF DETERMINATIONS	COST PER DETERMINATION	TOTAL COSTS
ICP (30 Element) + Geochem Au	17 Rocks	\$15.00	\$255.00
ICP (30 Element) + Geochem Au	293 Soils	\$13.80	<u>\$4,043.40</u>
		GRAND TOTAL	\$4,298.40

APPENDIX V
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, D. Graham Gill of the City of Vancouver, Province of British Columbia, hereby certify that:

I am a geologist residing at 5442 - 7th Avenue, Delta, B.C.

I have graduated from the University of British Columbia in 1983 with a BSc in geology.

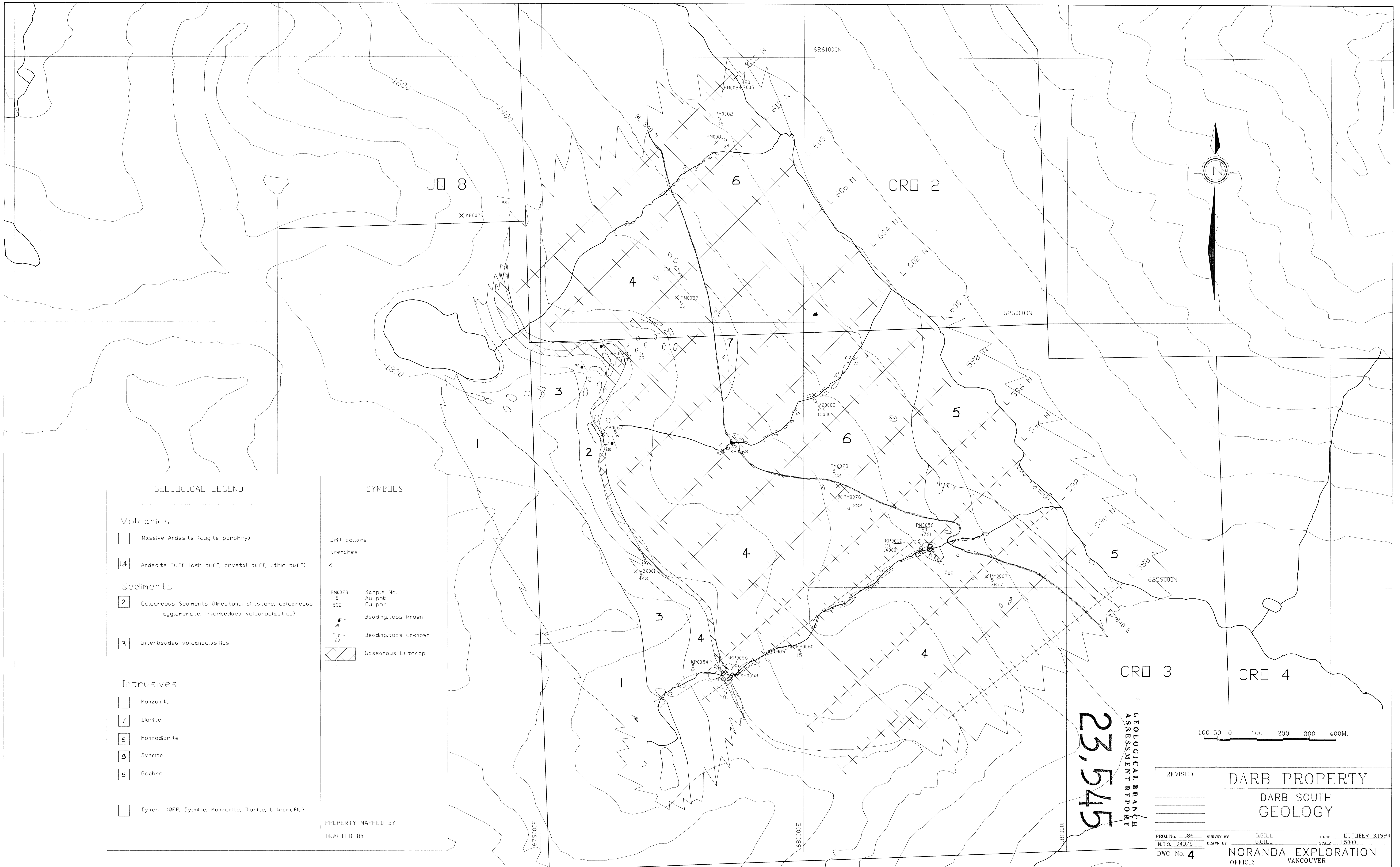
I have worked in mineral exploration since 1979.

I have been a temporary employee with Noranda Exploration Company, Limited since May, 1983 and a permanent employee since November 1987.

I am a member in good standing of the Professional Engineers & Geoscientist of British Columbia.



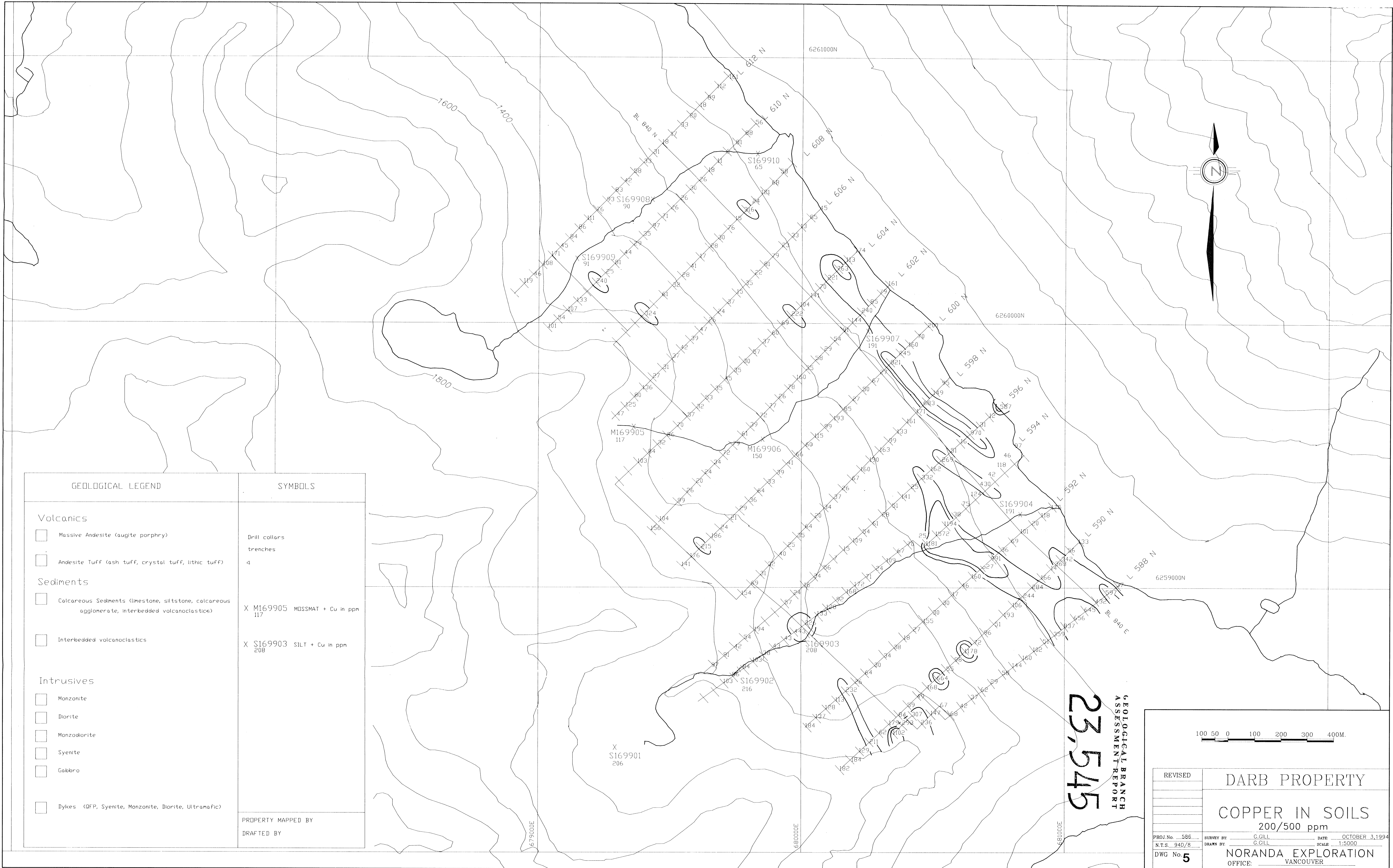
D. Graham Gill, P. Geo.



GEOLOGICAL LEGEND		SYMBOLS	
Volcanics			
<input type="checkbox"/>	Massive Andesite (augite porphyry)	<input type="checkbox"/>	Drill collars
<input checked="" type="checkbox"/>	Andesite Tuff (ash tuff, crystal tuff, lithic tuff)	<input type="checkbox"/>	trenches
Sediments			
<input checked="" type="checkbox"/>	Calcareous Sediments (limestone, siltstone, calcareous agglomerate, interbedded volcanoclastics)	PM0078	Sample No.
<input checked="" type="checkbox"/>	Interbedded volcanoclastics	532	Au ppb
			Cu ppm
		<input type="checkbox"/>	Bedding, tops known
		<input type="checkbox"/>	Bedding, tops unknown
		<input checked="" type="checkbox"/>	Gossanous Outcrop
Intrusives			
<input type="checkbox"/>	Monzonite		
<input checked="" type="checkbox"/>	Diorite		
<input checked="" type="checkbox"/>	Monzodiorite		
<input checked="" type="checkbox"/>	Syenite		
<input checked="" type="checkbox"/>	Gabbro		
<input type="checkbox"/>	Dykes (QFP, Syenite, Monzonite, Diorite, Ultramafic)		
	PROPERTY MAPPED BY		
	DRAFTED BY		

23,545
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT

REVISED	DARB PROPERTY	
	DARB SOUTH GEOLOGY	
PROJ. No. 586	SURVEY BY: G.GILL	DATE: OCTOBER 3, 1994
N.T.S. 94D/B	DRAWN BY: G.GILL	SCALE: 1:5000
DWG No. 4	NORANDA EXPLORATION OFFICE: VANCOUVER	



GEOLOGICAL LEGEND	SYMBOLS
Volcanics <input type="checkbox"/> Massive Andesite (augite porphyry) <input type="checkbox"/> Andesite Tuff (ash tuff, crystal tuff, lithic tuff)	Drill collars trenches 4
Sediments <input type="checkbox"/> Calcareous Sediments (limestone, siltstone, calcareous agglomerate, interbedded volcanoclastics) <input type="checkbox"/> Interbedded volcanoclastics	X M169905 MDSSMAT + Cu in ppm 117 X S169903 SILT + Cu in ppm 208
Intrusives <input type="checkbox"/> Monzonite <input type="checkbox"/> Diorite <input type="checkbox"/> Monzodiorite <input type="checkbox"/> Syenite <input type="checkbox"/> Gabbro <input type="checkbox"/> Dykes (QFP, Syenite, Monzonite, Diorite, Ultramafic)	PROPERTY MAPPED BY DRAFTED BY

23,545
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT

100 50 0 100 200 300 400M.	
REVISED _____ _____ _____ _____	DARB PROPERTY COPPER IN SOILS 200/500 ppm
PROJ. No. 586 N.T.S. 94D/8 DWG No. 5	SURVEY BY: G.GILL DRAWN BY: G.GILL DATE: OCTOBER 3, 1994 SCALE: 1:5000 NORANDA EXPLORATION OFFICE: VANCOUVER