GEOLOGICAL, GEOCHEMICAL

REPORT ON

THE WIL CLAIMS

WIL 1	301569	WIL 4	303625
WIL 2	301570	WIL 5	303624
WIL 3	301571	WIL 6	303623

Clinton & Lillooet Mining Divisions
N.T.S. 920/3
Latitude 51°02'10", Longitude 123°17'00"

Owner and Operator: Noranda Exploration Co., Ltd.
(no personal liability)

Author: Joan McCorquodale
Date : October, 1991

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SUMMARY

The Wil property is located within the Coast Mountain range on N.T.S. Mapsheet 920/3. It consists of 6 claims totalling 83 units. The claims are underlain by rocks of the Coast Plutonic Complex.

Twenty-eight man days were spent exploring the western third of the property. A 12.6 km line grid was established and soil sampled. Limited mapping, prospecting and rock sampling was also conducted over the grid and surrounding area. The program was designed to confirm the previously reported Cu, Mo soil anomaly (Assessment Reports # 552 & 9550) and to test if the system is gold bearing. Mapping, prospecting and rock sampling of the grid and surrounding area was completed to evaluate the source, extent and potential of the historical anomalies.

Large and extensive Cu & Mo anomalies both in rock and soil geochemistry were found to exist throughout the survey area, however there appears to be no gold associated with this system.

1.0 INTRODUCTION

1.1 Property Location

The Wil property is located within the Coast Mountain Range approximately 40 km NW of Gold Bridge, B.C. The western half of the property covers the head waters of the Taseko River. The property is situated at approximately latitude 51°02'10", longitude 123°17'00" on N.T.S. Map Sheet 920/3 (Figure 1).

1.2 Access

Access to the property is by helicopter either from Gold Bridge, B.C. a distance of 40 km or from Lillooet, B.C. a distance of approximately 97 km.

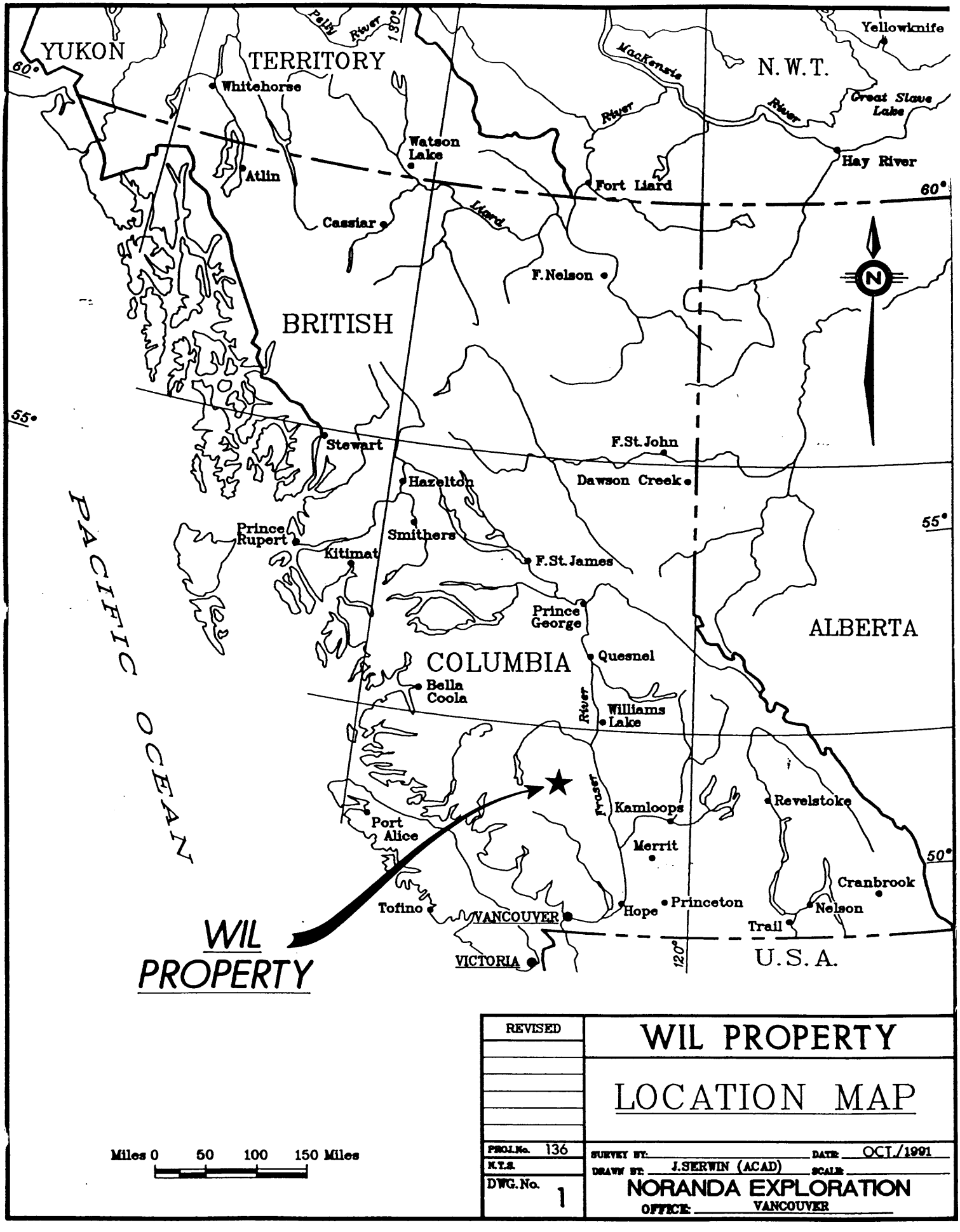
1.3 Physiography

The property includes a portion of the Wilson Ridge and overlies the headwaters of the Taseko River.

The topographic relief is quite severe, with the localized exception of the Taseko River valley floor. The elevation varies between 2740 m (the summit of Porteau Mountain), and 1770 m, giving a local relief of about 970 m.

The Taseko River headwaters lie within sub-alpine vegetation, consisting of small widely spaced coniferous trees. The remaining portion of the property lies above treeline and consists of talus, scree slopes, glaciers/icefields and moraines. Rock outcroppings are generally confined to the rugged ridges.

The main drainage is the headwaters of the Taseko River which flows off the property to the NNW.



REVISED	WIL PROPERTY
	LOCATION MAP
PROJ.No. 136	SURVEY BY: DATE: OCT./1991
N.T.S.	DRAWN BY: J.SERWIN (ACAD) SCALE:
DWG.No. 1	NORANDA EXPLORATION
	OFFICE: VANCOUVER

1.4 Ownership - Property Status

The Wil claim group consists of 6 claims totalling 85 units and are owned by Noranda Exploration (Figure 2). The following is a list of all the claims and to which assessment will be applied.

Claim	Record #	Units	Record Date	Expiry Date *
Wil 1	301569	18	June 13/91	June 13/94
Wil 2	301570	18	June 13/91	June 13/94
Wil 3	301571	16	June 13/91	June 13/94
Wil 4	303625	15	Aug. 20/91	Aug. 20/94
Wil 5	303624	12	Aug. 20/91	Aug. 20/94
Wil 6	303623	6	Aug. 19/91	Aug. 19/94
	TOTAL:	**85 Units**		

* Upon approval/acceptance of the work provided within this report.

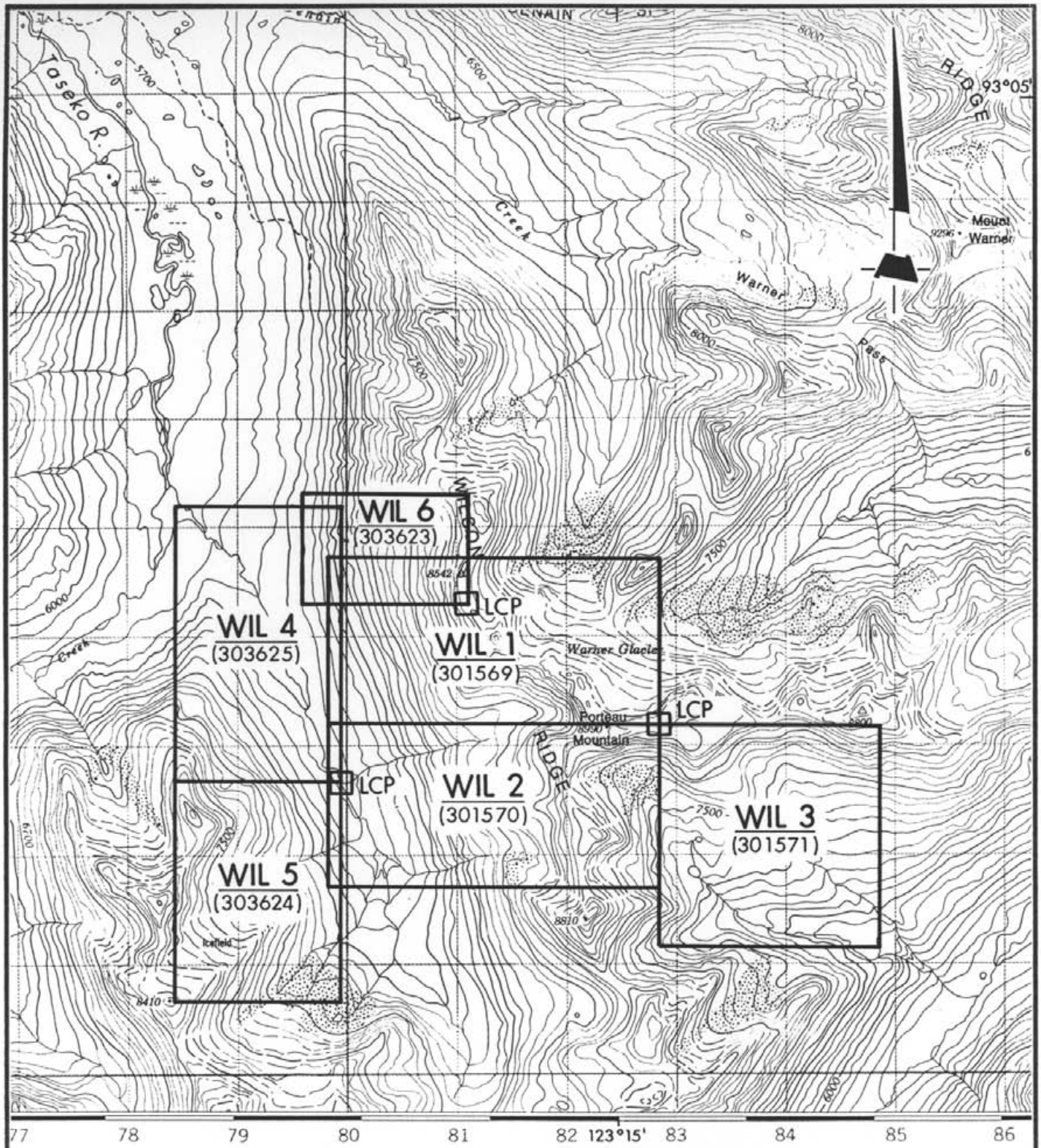
1.5 Previous Work

Several companies had been active in the area during the 1960's and 1970's exploring for Cu-Mo porphyries. The main focus of activity was to the north of the present claim group.

Previous work recorded within the present day Wil claim group is restricted to three surveys completed by two companies.

The first and second surveys were completed by Phelps Dodge Corporation during 1963 and 1964. In 1963, 6.5 miles of reconnaissance soil sampling with 500 feet sample intervals, was followed by 7.8 miles of detailed soil sampling with 100 foot sample intervals. Soil samples were tested for Cu in the field using the Rubeanic Acid test. Two hundred and forty feet of trenching was completed, with no reported results. The detailed soil survey outlined a Cu-Mo anomalous area of 3000 feet by 1500 feet.

In 1964 Phelps Dodge drilled 5 BQ holes within the anomalous soil survey area. Results of the drilling were not reported.



SCALE
1 : 50,000

Metres 1000 500 0 1000 2000 Metres

REVISED	WIL PROPERTY
	CLAIMS LOCATION
PROJ. No. 136	SURVEY BY: J. Mc C. DATE: Oct./1991
N.T.S. 92-O/3	DRAWN BY: J. Serwin SCALE: 1 : 50,000
DWG. No. 2	NORANDA EXPLORATION OFFICE: VANCOUVER

NCI-774

The third survey was conducted by E & B Explorations Inc. and JMT Services Corp. in 1980. A soil survey following topographical contours was completed over the historical Phelps Dodge soil anomaly area.

The soils were analyzed for Cu, Mo using Atomic Absorption. This survey confirmed the pre-existing Cu, Mo anomaly outlined by Phelps Dodge in 1963.

1.6 Project Objective

Noranda Exploration's 1991 objective was to relocate the previously reported Cu, Mo soil anomaly and to test if the anomaly is gold bearing. Analysis of the soils was using 30 element ICP plus Atomic Absorption for Au. The programme also attempted to explain the source of the soil anomalies using rock geochemistry, mapping and prospecting.

2.0 GEOLOGY

2.1 Regional Geology

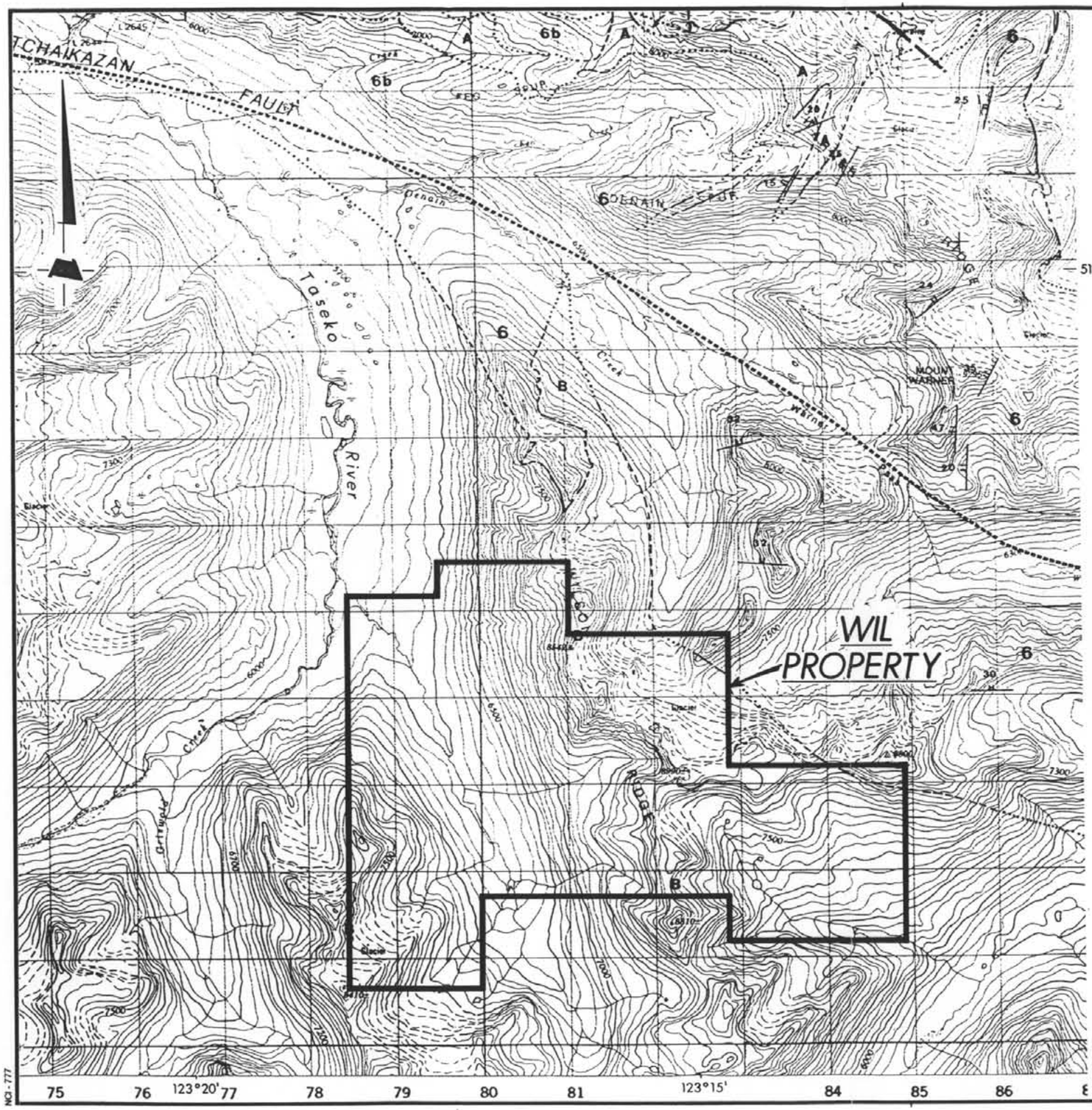
The Wil claims lie immediately southwest of the Tyaughton Trough within the Coast Plutonic Complex. The Complex consists of medium to coarse grained quartz diorite to quartz monzonite.

To the north and northeast of the property the regional Tchaikazan fault trends NW and transects Upper Cretaceous intermediate volcanics and volcaniclastics.

On a small scale the main structures trend NW and parallels the Tchaikazan fault and the contact between the Coast Plutonic Complex and the Cretaceous volcanics and volcaniclastics. On a larger scale, joint planes, and fault/shear zones generally trend NE.

2.2 Property Geology

The field survey was limited to the western third of the Wil group and covers the Taseko River drainage basin. The majority of the geological mapping was concentrated on the east side of the Taseko River within the grid area, (Figure 4).



LEGEND

UPPER CRETACEOUS (CENOMANIAN AND (?) YOUNGER

- 6c — Bedded Laharic Andesitic Breccia and Epiclastic Sediments
- 6b — Andesitic Breccia, Lapilli Tuff, Crystal Tuff, with Minor Andesitic to Basaltic Flows
- 6a — Volcanic Sandstone and Conglomerate; Polymict Conglomerate
- 6 — Undivided; Mostly Unit 6b with Minor Epiclastic Sediments
- 5 — Micaceous Sandstone, Shale and Polymict Conglomerate

INTRUSIVE ROCKS

- B — COAST PLUTONIC COMPLEX: Quartz Diorite to Quartz Monzonite
- A — Hornblende Plagioclase Porphyries; Minor Diorite

SYMBOLS

- Geologic Contact (Defined, Approximate, Assumed)
- Bedding, Tops Known (Horizontal, Inclined, Vertical Overturned)
- Bedding, Tops Unknown (Horizontal, Inclined, Vertical)
- High Angle Fault (Defined, Approximate, Assumed)

Geology from;
Open File Map 1987/3 "3A. Geology of the Warner Pass Area", N.T.S. 92 O/3

Metres 1000 500 0 1000 2000 Metres

REVISED	WIL PROPERTY
	REGIONAL GEOLOGY
PROJ. No. 136	SURVEY BY: J. McC. DATE: Oct./1991
N.T.S. 92 O/3	DRAWN BY: J. Serwin SCALE: 1:50,000
DWG. No. 3	NORANDA EXPLORATION OFFICE: VANCOUVER

NQ-777

Rock outcroppings occur primarily along the ridge tops, with glacial drift covering the Taseko River valley floor.

The predominant rock type is a mesocratic medium to coarse grained granodiorite of the Coast Plutonic Complex. The mafics consist of hornblende (locally chloritized) and primary biotite. A leucocratic quartz monzonite dyke is exposed in the SE corner of the grid. It is fine to medium grained, with minor plagioclase and little or no mafics observed. Fresh and weathered surfaces are light orange in colour. This dyke is approximately 25 m wide and trends NE.

Mineralization within the survey area is primarily confined to quartz-carbonate veinlets and the adjacent wallrock. These veinlets contain malachite, chalcopyrite and minor pyrite. They range in size from 1 mm to 6 cm with an average width of 1-2 cm. Malachite and chalcopyrite commonly occurs in the wallrock adjacent to the mineralized quartz-carbonate veinlets. This mineralized wallrock zone commonly extends 10-30 cm from the veinlet. The veinlets parallel and often infill joint planes and fractures. Numerous mineralized veinlets were observed within the survey area, however, concentrations of these veinlets was limited.

Alteration of the granodiorite was primarily confined to the wallrock of the quartz-carbonate veinlets. It consisted of K-feldspar and argillic alteration with minor sericite.

On a property scale joint planes, minor shear zones and fractures trend in a NE direction and dip moderately to the SE.

3.0 GEOCHEMICAL SURVEY

3.1 Soil Geochemistry

A soil grid was emplaced on the eastern slope of the Taseko River headwaters (Figures 4 & 5). It covers the historical Cu-Mo soil anomaly, completed and reported by Pheleps Dodge (1963) and, E & B Exploration and JMT Services Corp. (1980). The purpose was to confirm the location of the Cu-Mo soil anomalies and to test the soil samples for gold.

A baseline 1.6 km in length with an azimuth of 065° was established. Crosslines were spaced at 400 m intervals on the southwest half of the grid and at 300 m centers on the northeast half. Stations along the crosslines and baselines are every 25 m.

Soil samples were collected every 100 m along the crosslines, using a track shovel or grub hoe. Based on historical reports, areas with >1000 ppm Cu in soils were sampled every 50 m.

Soil samples were collected from the B horizon, generally 15-20 cm in depth. Talus fines were collected from the most northeastern crosslines due to heavy talus cover. Soil and talus fines samples were placed in a brown 8.9 cm x 15.5 cm open ended Kraft envelopes for storage and shipment to Noranda's geochemical laboratories in Vancouver. Full description of the method of analysis is in Appendix II.

Two reconnaissance style soil lines were established on the west side of the Taseko River. The lines were subparallel, 2 km long, and trended NNE-SSW direction (Figures 4 & 5). Soils were collected (as described above) every 100 m.

Two soil profile pits were hand dug and sampled (Appendix V). Soil Profile "A" is located on L.106+00E, 103+50N. Soil Profile "B" is located on the west side of the Taseko River proximal to the reconnaissance soil lines (Figure 5).

A total of 189 soil samples were collected and analyzed for 30 element ICP plus Atomic Absorption for gold (See Appendix III for complete results).

3.2 Rock Geochemistry

A total of 13 rocks were collected from various locations on the property within the Taseko River drainage basin and the gridded area.

To determine the source and concentrations of metal ions in the different lithologies of the mineralized quartz-carbonate veinlets, one sample was taken of the vein material and one of the wallrock. Figure 4 shows the rock sample locations and Appendix IV contains the rock sample descriptions.

3.3 Stream Sediment Geochemistry

Six stream sediment samples were collected from 3 locations along the Taseko River headwaters. At each of the localities one pan concentrate and one moss mat sample was collected.

Pan concentrate samples were collected on the downstream side of a gravel bar and sieved through a screen into a conical shape gold pan. The samples were panned down to approximately 50-60 grams and placed in a plastic bag.

Moss mat samples were collected along the stream shore and close to the water level ensuring that the moss being sampled was submerged during stream flooding. The moss provides a trap for fine grained suspended sediments. A moss mat sample is analogous to a silt sample, but due to the moss mats' mechanical entrapping of sediments the heavier elements tend to be more concentrated producing higher results than a corresponding silt sample. The moss mat sample is compressed into a brown 8.9 cm x 15.5 cm open ended Kraft envelope.

All stream sediment samples were shipped to Noranda's geochemical laboratories in Vancouver.

4.0 DISCUSSION OF RESULTS

A soil geochemical contour map for Cu & Au is shown on Figure 5. Within the grid, Cu in soils have been contoured at 400 ppm Cu and 1000 ppm Cu. The 400 ppm Cu contour covers an area of approximately 1.5 km x 1.4 km. Within the 400 ppm Cu contour two zones of $\geq$ 1000 ppm Cu each cover an area of approximately 0.6 km x 0.4 km. The highest Cu value in a soil is 5861 ppm, located at L113+00E/97+00N.

Most of the rock outcropping is exposed on and east of L116+00E . A large downslope talus/scree cover is seen west of L116+00E. Hence, samples collected on L116+00E and L113+00E were primarily talus fines. The water table crosscuts the local topography between lines 110+00E and 106+00E. This causes the soil to be partially or totally saturated downslope of the exposed water table, and hence anomalies in this area may be hydromorphic and should be confirmed by cold extractable sample analyses.

The two reconnaissance soil lines west of the Taseko River returned only sub-anomalous values (Figure 5). Five out of forty-two soils returned Cu values >300 ppm, with the highest being 490 ppm Cu.

Two soil profiles were hand dug and sampled. Detailed description and results are in Appendix V. Soil Profile A is located on L106+003/103+50N. There is an increase in Cu values with depth, from 280 ppm Cu on surface to 1594 ppm Cu at the base of the profile. Soil profile B located west of the Taseko River, returned sub-anomalous Cu values with a slight increase in Cu at depth. Values ranged from 23 ppm Cu on surface to 52 ppm Cu at the base of the profile. Gold values in both profiles did not fluxate and remained at 5 ppb Au.

Several rock samples from various locations returned significant Cu results. Au values are sub-anomalous, with the highest being 27 ppb Au. West of Taseko River, rock sample number R114679 returned 22071 ppm Cu over 2 m and R114680 from the same outcrop returned 6070 ppm Cu over 2 m. The granodiorite exhibits moderate potassic and argillic plus minor sericitic alteration. East of the Taseko River within the grid area, rock sample number R114685 returned 20121 ppm Cu over 0.5 metres. This sample consisted of a series of subparallel quartz-carbonate veinlets with malachite and chalcopyrite within the vein material and host rock.

5.0 CONCLUSIONS

From the soil geochemical survey, a large 1.5 x 1.4 km Cu anomaly ($\geq$ 400 ppm) has been confirmed. Rock samples collected from the grid and surrounding area returned values of up to 2% Cu. Gold values in both soil and rock samples are sub-anomalous. The highest gold value reported in a rock sample is 27 ppb Au, and one soil returned above background gold value of 30 ppb Au.

STATEMENT OF QUALIFICATIONS

****

I, Joan E. McCorquodale, of the City of Vancouver, Province of British Columbia do hereby certify that:

1. I am a geologist residing at 127 West 21st Avenue, Vancouver, B.C.

2. I graduated from the University of Alberta in 1988 with a BSc. degree (specialization) in Geology.

3. I have worked in mineral exploration and government geology since 1985.

4. I am presently a Contract Geologist with Noranda Exploration Company, Limited.

Joan E. McCorquodale

REFERENCES

Agnew, H.W. (1964): "M.M." Claim Group, Geological and Geochemical Reports. Assessment Report 552.

Glover, J.K., et al (1987): 3A. Geology of the Warner Pass Area. N.T.S. 920/3. Open File map 1987/3.

Howell, W.A., Livingstone, K.W. (1981): Geological and Geochemical Survey Report on the Forcite, Jewel, Erg, Whitewater Mineral Claims. Assessment Report 9550.

APPENDIX I

STATEMENT OF COSTS

STATEMENT OF COSTS

a) **Wages:**

No. of Days :	28 man days	
Rate per day:	$140.00/man day	
Dates from :	August 18, 21-26, 1991	
Total Wages :	28 x $140.00	$ 3,920.00

b) **Food & Accommodation:**

No. of Days :	7 days, 1 night accommodation	
Rate per day:	$236.39/day ÷ 4 men/day = $33.77/man day	
Dates from :	August 18, 21-26, 1991	
Total Costs :	28 mandays x $33.77/manday	$ 945.60

c) **Transportation:**

Helicopter

No. of Hours :	4.75 hrs.	
Rate per hour:	$750/hr.	
Total Cost :	4.75 hours x $750/hour	$ 3,544.00

Truck

No. of days :	7 days	
Rate per day :	$41.60/day	
Dates from :	August 18, 21-26, 1991	
Total Cost :	7 days x $41.60/day	$ 291.20

d) **Analysis:**

Soil

189 samples analyzed for 30 element ICP plus AA gold.

Rate per sample:	$17.49/sample	
Total Cost :	189 samples x $17.49/sample	$ 3,305.61

Rock

13 samples analyzed by rock geochemistry for 30 element ICP plus AA gold.

Rate per sample:	$17.49/sample	
Total Cost :	13 samples x $17.49	$ 227.37

Stream Sediments

3 silt samples analyzed for 30 element ICP plus AA gold.
Rate per sample: $17.49/sample
Total Cost : 3 samples x $17.49 $ 52.47

3 pan concentrate samples analyzed for Au, Cu, Zn, Pb, Ag, by AA.
Rate per sample: $17.49/sample
Total Cost : 3 samples x $17.49 $ 52.47

$3,6337.92

e) Report:

Author : $320.00
Drafting : $240.00
Typing : $240.00
Total Cost: $ 800.00

TOTAL COST **$13,138.72**

APPENDIX II

DETAILED DESCRIPTION OF METHOD OF ANALYSIS

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 III

GEOCHEMICAL CERTIFICATES OF ANALYSIS

NORANDA VANCOUVER LABORATORY
Geochemical Analysis

Project Name & No.: TYAUGHTON–WIL – 136 **Geol.:** J.M^c **Date received:** SEP. 03 **LAB CODE:** 9109–027
Material: 190 SOILS & 12 SILTS **Sheet:** 1 of 5 **Date completed:** SEP. 18
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 $HClO_4/HNO_3$ (4:1) at 203 °C for 4 hours diluted to 11 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
2	11000E–10500N	5	0.2	3.81	12	152	0.7	5	0.28	0.2	42	21	39	983	4.77	0.55	19	21	1.31	541	30	0.03	25	0.10	4	20	0.35	140	74
3	10600	5	0.2	3.76	19	183	0.7	5	0.39	0.2	43	15	38	966	4.87	0.60	19	24	1.33	345	36	0.03	29	0.13	4	25	0.36	144	79
4	10700	5	0.4	3.13	16	166	0.6	5	0.28	0.2	33	12	31	722	3.75	0.43	16	16	0.90	428	28	0.04	19	0.14	4	21	0.27	111	71
5	10800	5	0.2	3.86	12	235	0.6	5	0.74	0.2	43	19	20	520	5.43	0.74	17	25	1.45	434	31	0.08	23	0.11	6	55	0.36	162	82
6	11000E–10900N	5	0.2	3.76	27	182	0.7	5	0.39	0.2	47	17	23	1542	4.66	1.11	23	69	1.01	318	34	0.02	23	0.10	6	35	0.24	131	64
7	11000E–11000N	5	0.2	3.15	16	232	0.6	5	0.43	0.2	43	15	30	966	4.55	0.85	19	30	1.24	355	38	0.03	21	0.10	4	19	0.27	135	70
8	11000E–11700N	5	0.2	1.53	7	57	0.3	5	0.19	0.2	24	4	18	59	2.55	0.17	10	12	0.32	116	13	0.04	8	0.03	2	17	0.20	90	40
9	10200E–9600N	5	0.2	1.02	5	101	0.2	5	0.34	0.2	23	2	12	26	1.18	0.14	9	6	0.16	126	35	0.12	5	0.04	3	33	0.18	45	30
10	9700	5	0.2	1.94	4	80	0.3	5	0.22	0.2	27	4	16	67	1.86	0.16	12	20	0.25	84	65	0.05	7	0.02	3	21	0.27	78	26
11	10200E–9800N	5	0.2	2.03	4	47	0.4	5	0.20	0.2	28	6	26	98	2.49	0.15	12	11	0.34	140	8	0.03	9	0.05	2	13	0.16	80	31
12	10200E–9900N	5	0.2	1.99	5	51	0.3	5	0.23	0.2	26	6	26	53	2.87	0.16	12	13	0.37	182	6	0.06	9	0.10	3	17	0.19	96	46
13	10000	5	0.2	2.86	4	55	0.4	5	0.23	0.2	27	6	26	50	3.15	0.17	11	17	0.45	166	9	0.05	9	0.16	5	14	0.26	102	45
14	10100	5	0.2	2.13	14	188	0.4	5	0.49	0.6	30	11	21	585	2.80	0.29	13	27	0.61	447	67	0.09	12	0.04	6	27	0.26	104	56
15	10200	5	0.2	1.62	7	75	0.3	5	0.25	0.2	32	7	26	78	3.03	0.19	15	19	0.45	140	22	0.04	9	0.03	5	16	0.22	113	31
16	10200E–10300N	5	0.2	2.25	4	107	0.4	5	0.31	0.4	30	9	18	700	2.50	0.22	16	43	0.58	290	44	0.12	16	0.04	8	23	0.27	82	62
17	10200E–10350N	5	0.2	1.19	4	65	0.3	5	0.29	0.2	29	5	19	76	1.81	0.18	13	11	0.27	118	35	0.11	8	0.04	6	20	0.27	73	40
18	10400	5	0.2	2.12	7	160	0.4	5	0.48	0.5	37	11	17	589	2.40	0.24	18	39	0.61	293	44	0.08	13	0.04	8	29	0.26	82	66
19	10450	5	0.2	1.55	8	49	0.3	5	0.22	0.2	26	5	21	48	2.75	0.15	12	11	0.37	116	45	0.03	8	0.03	5	15	0.26	114	34
20	10500	5	0.2	1.61	7	71	0.3	5	0.23	0.3	25	4	15	29	1.87	0.16	11	10	0.22	85	28	0.04	6	0.03	7	22	0.26	77	30
21	10200E–10550N	5	0.2	1.43	3	84	0.3	5	0.26	0.2	28	4	22	43	2.36	0.17	13	11	0.25	106	45	0.06	5	0.03	3	25	0.25	91	31
22	10200E–10600N	5	0.2	1.86	4	55	0.4	5	0.18	0.2	30	4	21	634	2.45	0.16	15	17	0.30	103	58	0.04	4	0.04	2	13	0.20	78	31
23	10650	5	0.2	1.71	3	98	0.3	5	0.25	0.2	29	6	20	59	2.42	0.20	12	18	0.38	148	11	0.07	9	0.03	2	19	0.22	85	41
24	10700	5	0.2	1.91	2	50	0.2	5	0.18	0.2	25	3	17	23	1.72	0.20	12	20	0.22	90	12	0.05	6	0.03	2	17	0.23	68	30
25	10800	5	0.2	1.81	6	94	0.3	5	0.25	0.2	27	6	20	127	2.33	0.25	12	14	0.45	158	23	0.06	10	0.06	4	22	0.31	88	46
26	10200E–10900N	5	0.6	3.35	6	209	0.5	5	0.42	0.2	32	8	24	797	2.72	0.38	17	35	0.70	169	52	0.09	16	0.06	8	32	0.30	102	60
27	10200E–11000N	5	0.2	3.21	8	168	0.5	5	0.46	0.2	32	12	27	442	3.91	0.40	15	29	1.15	226	65	0.08	22	0.06	6	31	0.33	135	68
28	11100	5	0.2	2.18	3	147	0.3	5	0.40	0.2	35	7	21	251	2.33	0.22	17	17	0.66	165	29	0.09	13	0.04	5	40	0.29	84	55
29	11200	5	0.2	1.15	3	49	0.2	5	0.14	0.2	22	2	11	21	1.05	0.16	9	6	0.15	84	20	0.09	4	0.02	3	14	0.22	58	23
30	11300	5	0.2	1.95	8	65	0.4	5	0.23	0.2	33	7	24	196	2.80	0.19	15	16	0.48	152	7	0.03	12	0.08	3	16	0.18	88	37
31	10200E–11400N	5	0.2	1.58	3	123	0.3	5	0.36	0.2	36	10	19	161	1.87	0.21	17	13	0.49	226	22	0.03	9	0.07	2	30	0.17	59	51
32	10200E–11500N	5	0.4	1.39	4	83	0.2	5	0.28	0.2	25	5	16	35	1.50	0.22	11	8	0.24	319	12	0.12	5	0.04	5	27	0.25	60	41
33	10600E–9400N	5	0.2	1.37	4	98	0.3	5	0.23	0.2	30	5	19	30	2.31	0.16	13	14	0.33	183	27	0.08	6	0.06	2	16	0.19	78	34
34	9500	5	0.2	2.51	9	214	0.5	5	0.42	0.3	34	10	25	328	3.16	0.30	14	39	0.75	271	73	0.04	15	0.07	4	26	0.28	105	52
35	9600	5	0.4	2.19	6	116	0.5	5	0.29	0.2	28	13	20	238	2.76	0.20	13	22	0.59	655	33	0.10	13	0.10	6	24	0.25	84	54
36	10600E–9700N	5	0.4	2.39	7	86	0.5	5	0.24	0.2	30	7	23	142	2.94	0.25	13	23	0.52	164	45	0.04	12	0.09	6	17	0.24	94	42

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
																													9109-027 Pg. 2 of 5
37	10600E-9800N	5	0.4	1.99	4	85	0.4	5	0.25	0.3	29	6	22	101	2.48	0.25	14	18	0.44	177	46	0.08	9	0.09	5	15	0.23	92	33
38	9900	5	0.4	2.07	4	100	0.5	5	0.27	0.3	32	9	20	208	2.54	0.26	18	18	0.49	313	39	0.08	8	0.08	6	18	0.23	91	38
39	10000	5	0.4	2.20	10	146	0.4	6	0.45	0.6	28	10	19	893	2.67	0.36	14	26	0.64	289	55	0.06	12	0.07	4	26	0.19	84	42
40	10100	5	0.4	2.38	28	153	0.5	5	0.51	0.2	38	12	28	658	3.44	0.40	15	47	1.01	215	92	0.03	17	0.04	5	18	0.30	115	43
41	10600E-10200N	5	0.2	2.46	4	54	0.4	5	0.17	0.2	27	7	27	182	2.54	0.19	12	17	0.48	166	10	0.03	12	0.10	2	9	0.17	82	38
42	10600E-10250N	5	0.2	2.41	3	153	0.4	5	0.47	0.3	37	8	23	1327	2.55	0.34	20	36	0.58	214	41	0.12	12	0.05	3	31	0.26	83	51
43	10300	5	0.2	2.64	11	166	0.4	5	0.58	0.5	47	8	21	1284	2.95	0.35	13	45	0.53	235	66	0.15	13	0.05	7	34	0.26	90	74
44	10350	5	0.2	2.60	10	138	0.6	5	0.49	0.2	39	12	26	1177	3.40	0.48	15	39	0.83	304	59	0.04	17	0.05	3	27	0.27	107	59
45	10400	5	1.6	2.79	7	248	0.7	6	1.34	1.0	50	12	19	2325	2.90	0.44	26	36	0.67	437	85	0.05	18	0.11	5	71	0.17	74	95
46	10600E-10450N	5	0.2	2.36	8	166	0.5	5	0.43	0.4	41	12	26	1897	3.34	0.43	18	34	0.87	281	52	0.04	19	0.04	2	22	0.27	105	61
47	10600E-10500N	5	0.4	3.20	8	215	0.8	7	0.35	0.3	45	16	24	3153	3.49	0.34	21	37	0.86	540	71	0.08	21	0.07	5	23	0.28	107	66
48	10550	5	0.6	1.88	2	101	0.3	5	0.31	0.2	30	7	18	220	2.57	0.22	12	19	0.50	191	23	0.12	12	0.03	6	20	0.28	91	57
49	10600	5	1.2	3.19	10	291	0.6	8	0.59	0.4	43	12	29	1960	3.74	0.64	18	37	1.12	301	76	0.05	21	0.08	5	31	0.31	132	75
51	10650	5	0.4	3.05	17	208	0.6	6	0.66	0.2	43	17	35	1403	5.21	0.45	21	34	1.10	581	142	0.05	19	0.08	2	36	0.33	144	78
52	10600E-10700N	5	0.4	1.83	5	92	0.3	5	0.22	0.2	28	6	20	411	2.43	0.23	12	18	0.48	153	25	0.06	7	0.02	2	19	0.24	89	44
53	10600E-10750N	5	0.6	3.51	12	245	0.7	5	0.55	0.2	41	16	26	2408	3.74	0.60	22	38	1.15	391	48	0.04	18	0.05	4	34	0.29	113	72
54	10800	5	0.2	3.06	9	155	0.5	5	0.34	0.2	32	14	26	1046	4.06	0.44	15	36	1.05	320	35	0.06	16	0.06	3	23	0.32	122	73
55	10900	5	0.4	4.01	15	228	0.6	5	0.56	0.2	41	16	30	1486	4.61	0.52	20	43	1.26	315	36	0.04	23	0.09	3	38	0.34	142	80
56	11000	5	0.4	2.40	6	91	0.5	5	0.43	0.2	36	13	21	1239	2.96	0.21	19	29	0.74	254	28	0.08	13	0.05	4	27	0.30	91	83
57	10600E-11100N	5	0.2	2.07	4	80	0.5	5	0.35	0.2	36	9	18	380	2.76	0.18	16	21	0.57	189	21	0.09	9	0.04	5	23	0.30	83	60
58	10600E-11200N	5	0.2	2.13	3	77	0.6	5	0.39	0.2	40	23	20	242	2.90	0.20	18	16	0.55	328	23	0.10	9	0.11	5	33	0.26	84	57
59	11300	5	0.2	1.94	4	62	0.4	5	0.29	0.2	31	8	18	127	2.80	0.19	14	16	0.60	181	23	0.08	7	0.06	4	19	0.27	89	55
60	11400	5	0.4	2.71	4	88	0.6	5	0.35	0.2	36	13	21	301	3.20	0.23	16	21	0.74	285	44	0.08	13	0.12	4	24	0.29	96	79
61	11500	5	0.4	3.71	13	157	0.6	5	0.39	0.3	44	20	48	487	5.12	0.68	19	31	1.31	421	27	0.04	28	0.11	5	25	0.36	158	89
62	10600E-11600N	5	0.2	2.69	46	149	0.5	5	0.28	0.2	35	16	32	423	6.22	0.25	17	41	0.92	1039	121	0.04	30	0.04	2	18	0.31	128	174
63	10600E-11700N	5	0.2	2.51	4	180	0.5	5	0.50	0.2	41	11	27	353	3.33	0.28	20	42	0.69	388	32	0.06	19	0.04	6	38	0.27	100	62
64	11000E-9300N	5	0.2	3.06	2	64	0.6	5	0.30	0.3	32	11	27	145	3.49	0.24	14	27	0.86	277	11	0.04	16	0.11	5	16	0.28	113	56
65	9400	5	0.2	3.45	9	522	0.7	6	1.07	0.8	48	15	29	961	3.77	0.60	19	40	1.31	541	60	0.05	24	0.17	5	58	0.32	125	105
66	9500	5	0.2	3.44	4	112	0.6	5	0.38	0.2	28	14	31	303	3.67	0.32	13	35	1.33	303	13	0.04	29	0.11	3	24	0.31	114	76
67	11000E-9600N	5	0.4	3.51	21	100	0.6	5	0.34	0.2	37	16	30	943	4.58	0.51	16	32	1.25	433	40	0.10	25	0.13	4	20	0.31	147	72
68	11000E-9650N	5	0.4	4.53	34	108	0.8	5	0.35	0.2	39	19	26	1530	4.82	0.54	18	69	1.30	460	48	0.05	26	0.14	5	28	0.33	144	91
69	9700	5	0.4	4.32	55	188	0.9	6	0.52	0.3	60	21	26	1945	4.98	0.91	26	59	1.18	635	57	0.05	28	0.12	8	36	0.31	139	100
70	9750	5	0.4	3.82	15	110	0.8	7	0.41	0.3	50	17	48	1586	4.33	0.45	20	37	1.25	647	23	0.06	31	0.12	8	27	0.32	125	81
71	9800	5	0.4	3.24	2	153	0.7	5	0.51	0.3	44	14	35	1952	3.93	0.52	19	31	1.27	504	23	0.04	20	0.11	2	31	0.31	117	82
72	11000E-9800N DUP?	5	0.4	3.51	8	166	0.7	5	0.61	0.3	53	22	37	1763	4.81	0.70	21	32	1.45	618	23	0.04	31	0.12	2	28	0.32	146	80
73	11000E-9850N	5	0.6	3.58	4	171	0.7	5	0.51	0.2	48	16	41	1380	4.58	0.41	19	30	1.22	591	26	0.05	23	0.12	4	34	0.35	137	83
74	9900	5	1.0	3.68	4	93	0.7	5	0.33	0.2	40	13	32	1406	4.48	0.33	17	29	1.13	413	22	0.04	18	0.10	2	24	0.32	130	71
75	10000	5	0.4	4.93	2	177	0.7	5	0.36	0.2	33	22	30	538	5.37	0.59	15	38	1.61	756	14	0.04	32	0.14	2	22	0.44	173	102
76	10100	5	0.2	3.53	3	161	0.6	5	0.31	0.2	35	14	26	425	4.08	0.37	15	25	1.07	754	13	0.07	20	0.14	4	24	0.38	124	96
77	11000E-10200N	30	0.6	3.59	9	169	0.7	5	0.44	0.3	48	19	33	832	5.29	0.51	20	25	1.34	492	28	0.04	24	0.11	2	26	0.41	161	82
78	11000E-10300N	5	0.4	4.03	2	178	0.7	5	0.33	0.2	41	19	29	902	4.85	0.59	17	28	1.44	534	46	0.05	25	0.14	3	23	0.40	142	90
79	10350	5	1.2	4.30	8	172	0.8	5	0.43	0.2	55	19	37	1517	5.78	0.66	23	27	1.71	404	41	0.04	29	0.12	2	27	0.46	170	90
80	10400	5	0.2	3.80	3	224	0.6	5	0.34	0.4	37	20	32	687	5.06	0.77	16	38	1.52	618	50	0.07	27	0.13	7	24	0.42	154	98
81	10450	5	1.0	3.68	9	157	0.7	6	0.34	0.2	41	17	39	1627	4.91	0.58	18	21	1.37	385	42	0.03	22	0.12	2	21	0.35	145	79
82	11000E-11100N	5	0.2	3.78	15	181	0.6	6	0.32	0.3	46	20	37	813	5.08	0.81	19	32	1.33	497	30	0.04	22	0.11	4	22	0.33	155	78

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
83	11000E-11200N		5	0.2	3.55	14	178	0.7	5	0.59	0.3	51	29	38	337	4.94	0.56	19	23	1.13	601	14	0.04	37	0.13	4	36	0.38	161	89
84	11300		5	0.4	3.51	9	106	0.6	5	0.44	0.4	34	12	26	420	4.09	0.35	15	26	0.88	319	14	0.04	18	0.16	4	34	0.33	122	102
85	11400		5	0.2	3.99	24	209	0.6	5	0.50	0.5	35	31	28	249	5.01	0.54	14	34	1.31	708	29	0.04	27	0.16	6	31	0.46	164	113
86	11500		5	0.2	2.36	7	132	0.5	5	0.50	0.4	34	12	23	209	3.56	0.40	13	28	0.78	387	17	0.11	15	0.10	5	27	0.33	118	76
87	11000E-11600N		5	0.2	2.65	15	145	0.5	5	0.75	0.5	45	13	32	344	4.07	0.54	18	27	1.16	287	24	0.04	19	0.11	3	29	0.33	139	82
88	11300E-9000N		5	0.2	5.22	18	220	0.9	6	0.67	0.3	48	20	19	1032	4.63	0.90	22	78	1.81	413	54	0.05	31	0.12	10	48	0.32	149	87
89	9100		5	0.2	2.57	4	65	0.4	5	0.22	0.4	29	7	14	129	2.47	0.30	12	17	0.61	232	10	0.19	9	0.12	6	16	0.21	77	49
90	9200		5	0.2	3.98	21	279	0.7	5	0.61	0.4	43	15	25	310	4.04	0.58	21	74	1.38	365	83	0.08	24	0.14	8	28	0.43	134	101
91	9300		5	0.2	2.86	10	214	0.6	5	0.56	0.2	39	9	24	185	2.85	0.30	13	33	0.79	215	63	0.13	14	0.15	3	24	0.28	104	63
92	11300E-9400N		5	0.2	3.90	15	208	0.7	7	0.40	0.2	46	18	27	1243	4.44	0.72	20	51	1.26	609	43	0.08	26	0.14	5	30	0.29	140	87
93	11300E-9500N		5	0.2	2.12	13	170	0.4	5	0.26	0.2	21	16	16	773	3.02	0.59	9	29	0.93	377	22	0.04	15	0.05	2	14	0.23	91	47
94	9600		5	0.4	4.07	47	142	0.7	5	0.25	0.2	25	13	11	924	3.30	1.29	9	79	0.69	381	56	0.02	14	0.05	2	16	0.12	97	45
95	9650		5	0.6	6.64	61	213	1.1	8	0.33	0.2	58	24	17	2174	5.72	1.38	27	124	1.26	693	79	0.03	31	0.13	3	37	0.23	169	93
96	9700		5	0.8	4.28	33	201	0.9	8	0.62	0.4	72	27	29	5861	5.93	0.69	30	63	1.47	675	63	0.07	32	0.17	3	34	0.34	173	115
97	11300E-9750N		5	0.6	5.07	30	323	0.9	5	0.73	0.4	58	20	25	2056	5.26	1.05	26	89	1.33	504	41	0.05	28	0.14	10	35	0.31	157	146
98	11300E-9800N		5	0.2	5.11	24	260	0.8	5	0.53	0.2	49	20	23	1232	4.74	0.74	20	84	1.35	641	31	0.05	29	0.13	3	37	0.34	142	94
99	9850		5	0.6	3.56	14	166	0.7	5	0.66	0.2	55	27	26	1946	5.11	0.75	20	31	1.57	742	24	0.04	33	0.12	4	27	0.31	149	83
101	9900		5	0.2	3.47	9	185	0.7	5	0.45	0.4	41	17	30	890	3.85	0.57	17	33	1.05	632	13	0.07	23	0.13	7	30	0.29	117	95
102	9950		5	0.4	3.41	13	236	0.7	6	0.58	0.2	44	19	31	881	4.32	0.61	19	29	1.16	737	11	0.05	25	0.12	7	36	0.32	130	98
103	11300E-10000N		5	0.2	4.39	6	432	0.8	6	0.58	0.3	55	27	42	728	5.55	1.01	23	35	1.85	918	10	0.04	45	0.11	2	31	0.27	166	94
104	11300E-10050N		5	0.2	2.63	8	147	0.6	6	0.73	0.2	61	20	50	357	5.20	0.47	26	21	1.07	505	6	0.05	25	0.13	2	40	0.40	174	63
105	10100		5	0.2	4.12	19	346	0.7	5	0.74	0.2	46	23	28	472	5.36	0.90	19	47	1.45	615	13	0.05	32	0.14	4	43	0.47	177	80
106	10200	*	5	0.2	1.46	6	98	0.3	5	0.36	0.3	24	9	15	123	2.38	0.43	9	11	0.67	240	2	0.05	12	0.04	2	20	0.22	76	35
107	10300		5	0.2	3.49	7	216	0.7	5	0.58	0.2	51	21	28	327	4.83	0.57	21	23	1.24	532	8	0.06	27	0.12	3	46	0.44	148	79
108	11300E-10400N		5	0.2	3.25	16	230	0.6	5	0.50	0.3	47	21	32	370	5.29	0.81	21	22	1.25	510	9	0.05	28	0.12	2	44	0.41	163	73
109	11300E-10500N		5	0.2	2.88	8	226	0.6	5	0.56	0.2	49	19	28	300	5.01	0.74	22	19	1.33	439	9	0.05	27	0.10	2	43	0.45	151	68
110	10600		5	0.2	3.57	8	252	0.6	6	0.46	0.2	47	23	31	411	5.73	0.86	20	22	1.51	508	10	0.05	31	0.11	3	48	0.44	169	75
111	10700		5	0.2	3.89	11	177	0.6	5	0.44	0.2	45	20	47	910	4.97	0.72	19	26	1.40	439	36	0.05	39	0.13	2	41	0.38	147	85
112	10800	*	5	0.2	2.15	6	158	0.4	5	0.26	0.2	21	15	20	401	3.49	0.76	10	14	1.05	284	8	0.03	22	0.05	2	16	0.29	106	50
113	11300E-10900N		5	0.2	3.78	10	204	0.6	5	0.51	0.2	44	25	33	485	5.47	0.98	19	22	1.82	515	18	0.04	36	0.11	4	39	0.45	159	79
114	11300E-11000N		5	0.2	3.89	8	172	0.7	8	0.37	0.2	47	24	50	463	5.96	0.68	21	19	1.20	532	19	0.04	30	0.12	2	34	0.36	186	70
115	11100		5	0.2	4.47	19	187	0.8	5	0.33	0.2	43	25	34	393	5.15	0.84	19	39	1.20	453	13	0.04	43	0.12	4	31	0.33	154	88
116	11200		5	0.2	3.42	9	268	0.7	5	0.78	0.4	50	27	33	312	5.67	0.91	20	22	1.75	558	7	0.05	51	0.11	3	43	0.64	174	111
117	11300	*	5	0.2	2.48	6	281	0.5	5	0.48	0.4	26	18	21	166	4.31	0.92	12	16	1.31	360	3	0.02	36	0.05	2	27	0.49	133	81
118	11300E-11400N		5	0.2	2.51	12	266	0.5	5	0.80	2.4	52	87	24	169	4.57	0.63	21	23	1.30	1949	8	0.04	49	0.12	6	41	0.46	151	110
119	11300E-11500N	*	5	0.2	2.27	7	163	0.4	5	0.38	0.4	25	19	24	120	3.93	0.58	11	15	1.00	433	4	0.03	28	0.06	6	25	0.35	124	81
120	11600-9700N		5	0.2	5.20	39	201	0.9	6	0.47	0.2	51	25	20	901	5.42	1.21	22	60	1.39	699	120	0.03	34	0.11	3	23	0.25	158	79
121	9800		5	0.4	3.49	19	115	0.7	8	0.58	0.5	53	24	39	2120	5.27	0.65	22	38	1.41	645	44	0.04	31	0.12	7	30	0.30	156	84
122	9900	*	5	0.4	1.99	5	90	0.4	7	0.44	0.3	33	20	25	1068	3.86	0.51	14	18	1.22	441	10	0.03	25	0.06	3	16	0.27	114	54
123	11600-10000N		5	0.6	3.48	10	230	0.7	7	0.84	0.6	51	28	32	829	6.02	0.81	22	30	2.11	760	7	0.04	40	0.11	4	29	0.52	186	103
124	11600-10100N		5	0.4	2.29	8	191	0.5	5	0.48	0.2	31	22	24	640	4.66	0.74	14	19	1.44	424	4	0.03	28	0.06	2	21	0.38	141	65
125	10200		5	0.4	3.21	9	265	0.6	8	0.90	0.8	52	29	32	315	6.40	0.80	23	24	2.03	666	7	0.05	37	0.12	2	43	0.58	199	121
126	10300		5	0.2	6.65	23	214	1.1	9	0.39	0.2	53	18	12	691	5.81	1.36	19	32	0.73	214	8	0.02	28	0.10	5	34	0.12	148	61
127	10400	*	5	0.2	1.89	5	166	0.4	5	0.33	0.2	28	22	21	208	3.89	0.65	11	12	0.89	345	6	0.02	21	0.06	2	19	0.29	115	52
128	11600-10500N		5	0.2	3.52	11	295	0.6	8	0.52	0.5	50	25	30	421	6.44	1.01	21	23	1.51	479	15	0.05	31	0.12	5	56	0.43	179	75

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
129	11600-10600N	5	0.2	4.30	9	346	0.7	12	0.34	0.3	53	27	24	516	6.34	1.18	24	19	1.28	445	25	0.06	29	0.11	7	98	0.35	170	71
130	10700	5	0.2	3.27	9	246	0.6	7	0.63	0.4	55	31	34	380	6.19	1.11	23	20	1.93	579	12	0.04	38	0.12	4	46	0.49	179	80
131	10800	5	0.2	4.32	4	182	0.8	6	0.52	0.2	71	29	47	432	6.24	1.02	26	22	1.69	727	13	0.04	39	0.11	2	39	0.38	177	79
132	10900	5	0.2	4.57	5	203	0.8	6	0.36	0.2	51	28	36	462	6.15	0.98	22	22	1.57	648	17	0.04	35	0.12	5	41	0.35	167	81
133	11600-11000N	5	0.4	3.94	4	155	0.7	5	0.35	0.2	55	21	47	419	6.13	0.63	24	22	1.31	549	13	0.05	32	0.14	4	40	0.37	167	76
134	11600-11100N	5	0.2	4.20	3	184	0.7	5	0.34	0.2	43	18	36	321	5.14	0.56	20	19	1.21	490	10	0.06	30	0.13	3	45	0.38	148	84
135	11200	5	0.2	3.00	4	242	0.6	5	0.60	0.2	38	23	23	289	4.67	0.71	15	26	1.56	404	7	0.03	37	0.10	2	19	0.46	139	73
136	11300	5	0.2	3.33	4	362	0.7	6	0.80	0.4	46	27	33	315	4.41	0.60	19	17	1.27	841	6	0.04	32	0.15	5	90	0.43	130	112
137	11600E-11400N *	5	0.2	2.33	7	120	0.5	5	0.49	0.2	33	19	27	229	3.78	0.71	15	13	1.22	449	4	0.03	29	0.06	2	27	0.43	120	65
138	P 115128 *¤	5	0.2	0.77	6	166	0.2	5	1.35	1.6	26	5	9	280	0.99	0.29	6	8	0.32	701	30	0.02	9	0.09	4	62	0.08	33	95
139	P 115129 *¤	5	0.4	0.80	6	205	0.3	5	2.02	1.5	29	6	10	282	1.08	0.30	7	9	0.34	670	30	0.03	8	0.09	4	96	0.09	37	69
140	115130	5	0.2	2.37	9	141	0.4	5	0.55	0.2	36	11	24	850	3.30	0.46	14	35	0.81	300	54	0.04	17	0.04	2	29	0.27	108	60
141	115131	5	0.2	2.29	12	115	0.5	5	0.43	0.2	42	12	28	995	3.36	0.40	15	40	0.80	324	70	0.03	13	0.04	3	22	0.26	107	55
142	115132	5	0.2	2.36	11	132	0.5	5	0.40	0.2	45	11	27	1269	3.34	0.42	16	40	0.80	319	65	0.03	15	0.04	2	21	0.25	103	57
143	P 115133	5	0.2	2.48	11	155	0.5	5	0.45	0.2	62	13	27	1299	3.62	0.48	21	36	0.87	406	61	0.04	15	0.05	2	22	0.26	110	57
144	P 115134	5	0.4	2.60	10	162	0.5	5	0.47	0.2	57	13	25	1594	3.39	0.47	21	36	0.83	420	59	0.04	15	0.06	2	24	0.25	101	56
145	115135 *	5	0.2	0.46	2	252	0.2	5	0.59	0.6	18	2	5	23	0.60	0.18	4	4	0.14	703	10	0.04	1	0.09	5	67	0.04	20	111
146	115136	5	0.2	1.16	7	314	0.3	5	0.42	0.4	25	8	11	27	1.44	0.22	8	8	0.22	2270	15	0.13	6	0.18	6	56	0.10	40	98
147	115137	5	0.2	1.36	2	125	0.4	5	0.22	0.2	21	6	9	19	1.49	0.18	7	7	0.21	936	7	0.21	5	0.18	7	28	0.12	38	48
148	P 115138	5	0.2	1.65	3	106	0.3	5	0.18	0.2	22	5	12	21	1.59	0.22	8	12	0.20	888	9	0.07	4	0.15	5	25	0.13	46	38
152	P 115139	5	0.4	1.95	6	71	0.4	5	0.17	0.2	21	4	13	36	2.14	0.18	10	18	0.31	258	6	0.02	6	0.14	2	21	0.15	54	44
153	115140	5	0.2	1.71	5	49	0.3	5	0.19	0.2	21	5	15	61	1.93	0.22	9	17	0.35	148	4	0.02	6	0.07	2	13	0.11	55	39
154	115141	5	0.4	1.41	5	44	0.3	5	0.21	0.3	23	4	13	52	1.71	0.23	9	14	0.30	130	3	0.02	3	0.06	2	13	0.10	50	31
155	175451	5	0.2	1.95	6	69	0.3	5	0.19	0.2	30	6	23	104	2.83	0.23	13	10	0.42	199	33	0.03	6	0.07	3	15	0.16	80	40
156	P 175452	5	0.4	2.08	7	79	0.3	5	0.20	0.2	26	4	23	59	2.48	0.27	12	8	0.30	128	28	0.06	6	0.10	6	25	0.26	98	31
157	P 175453	5	0.2	1.83	6	72	0.3	5	0.22	0.4	25	4	18	30	1.93	0.18	11	8	0.32	133	20	0.07	5	0.07	5	21	0.26	74	40
158	175454	5	0.2	2.27	10	122	0.4	5	0.35	0.3	36	7	23	259	2.69	0.30	16	19	0.64	213	150	0.04	10	0.10	6	27	0.20	87	54
159	175455	5	0.2	5.97	9	65	0.7	6	0.11	0.2	22	11	15	77	4.14	0.88	10	156	0.83	201	23	0.02	13	0.07	10	24	0.17	132	78
160	175456	5	0.2	2.45	13	75	0.4	5	0.24	0.2	26	7	24	119	2.91	0.25	11	15	0.53	181	57	0.03	8	0.06	5	24	0.17	80	44
161	P 175457	5	0.4	2.06	7	102	0.5	5	0.39	0.2	42	10	31	274	3.25	0.32	14	20	0.75	432	19	0.03	10	0.13	3	28	0.20	97	55
162	P 175458	5	0.2	2.46	10	76	0.3	5	0.32	0.2	22	9	31	117	3.81	0.35	10	21	0.86	283	70	0.03	10	0.06	2	26	0.29	130	61
163	175459	5	0.4	1.29	8	105	0.3	5	0.55	0.4	25	3	13	53	1.36	0.20	10	10	0.23	134	48	0.14	4	0.07	3	52	0.15	48	37
164	175460	5	0.8	2.58	18	85	0.5	5	0.64	0.2	32	7	23	352	2.40	0.25	17	51	0.59	234	95	0.10	9	0.15	5	66	0.25	92	66
165	175461	5	0.4	2.17	8	99	0.4	10	0.53	0.3	32	11	20	472	3.04	0.21	15	30	0.89	334	38	0.05	10	0.08	4	35	0.31	91	65
166	P 175462	5	0.2	2.14	6	73	0.5	5	0.31	0.2	33	10	19	353	2.70	0.24	17	20	0.63	929	54	0.07	8	0.14	6	23	0.21	81	63
167	P 175463	5	0.2	1.58	6	87	0.3	5	0.32	0.3	24	4	16	38	1.85	0.19	10	9	0.29	172	68	0.11	4	0.09	5	37	0.29	76	34
168	175464	5	0.2	1.50	5	84	0.2	5	0.39	0.4	22	5	15	44	1.51	0.20	9	16	0.38	214	27	0.09	4	0.10	3	37	0.21	55	43
169	175465	5	0.4	2.15	8	105	0.4	5	0.35	0.3	28	9	18	192	2.17	0.22	12	18	0.46	699	39	0.06	7	0.11	5	31	0.18	66	54
170	175466	5	0.4	1.83	5	46	0.2	5	0.22	0.3	19	2	10	25	1.07	0.15	8	10	0.16	81	8	0.08	1	0.03	6	24	0.15	43	23
171	P 175467	5	0.4	1.54	6	70	0.3	5	0.55	0.5	36	8	35	57	2.28	0.26	14	14	0.61	293	5	0.03	11	0.06	2	28	0.15	74	34
172	P 175468	5	0.6	1.37	4	36	0.2	5	0.15	0.2	18	3	11	14	1.46	0.10	8	7	0.19	126	8	0.21	5	0.03	2	13	0.20	53	28
173	175469	5	0.4	2.08	2	55	0.3	5	0.17	0.3	18	5	17	32	2.08	0.17	8	13	0.39	181	14	0.15	6	0.07	2	18	0.22	69	39
174	175470	5	0.4	1.69	11	66	0.3	5	0.69	0.4	39	9	45	51	2.90	0.22	15	19	0.70	380	7	0.04	13	0.08	2	37	0.19	98	43
175	175471	5	0.2	2.06	3	51	0.3	5	0.18	0.3	20	3	12	9	0.87	0.24	8	11	0.19	80	28	0.09	5	0.05	5	21	0.23	52	20
176	P 175476	5	0.2	1.93	4	43	0.3	5	0.23	0.2	27	6	19	108	2.11	0.22	11	12	0.35	184	7	0.02	8	0.06	2	16	0.12	61	34

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	P 175477	5	0.2	3.10	15	164	0.7	7	0.34	0.2	36	8	26	159	3.00	0.28	22	29	0.64	299	54	0.06	13	0.19	6	33	0.22	92	77
178	175478	5	0.2	3.10	9	121	0.6	11	0.29	0.3	38	13	29	128	4.51	0.30	18	23	1.01	474	37	0.04	16	0.14	4	25	0.31	126	90
179	175479	5	0.2	1.82	6	79	0.4	5	0.21	0.4	26	4	17	48	2.09	0.18	11	12	0.27	171	9	0.04	7	0.11	3	21	0.16	62	36
180	175480	5	0.4	2.43	10	129	0.5	6	0.38	0.3	34	10	22	302	2.76	0.29	14	19	0.63	445	91	0.06	13	0.11	6	35	0.24	86	59
181	P 175481	5	0.2	2.23	5	67	0.4	5	0.38	0.2	31	7	26	115	2.45	0.33	10	21	0.52	247	12	0.03	9	0.08	2	26	0.15	73	43
182	P 175482	5	0.2	2.19	2	85	0.3	5	0.24	0.2	28	4	20	47	2.07	0.24	12	13	0.42	177	10	0.05	6	0.11	2	23	0.23	77	45
183	175483	5	0.2	2.54	7	75	0.5	5	0.30	0.2	25	7	26	134	3.24	0.26	11	15	0.62	215	16	0.03	11	0.07	2	21	0.18	94	49
184	175484	5	0.2	3.05	5	93	0.6	5	0.32	0.2	28	10	28	182	3.64	0.26	13	31	0.79	288	144	0.05	11	0.10	2	25	0.29	107	70
185	175485	5	0.2	3.10	8	76	0.6	5	0.28	0.2	35	11	28	273	3.75	0.38	15	43	0.92	407	9	0.04	16	0.10	2	17	0.24	118	83
186	P 175486	5	0.2	2.82	12	95	0.7	5	0.32	0.2	37	7	25	490	2.99	0.22	24	27	0.57	207	101	0.04	9	0.10	2	29	0.23	78	46
187	P 175487	5	0.4	2.27	2	62	0.4	5	0.28	0.3	27	6	19	52	2.66	0.16	12	18	0.48	235	14	0.03	7	0.12	4	25	0.24	82	50
188	175488	5	0.2	2.65	7	88	0.5	5	0.43	0.4	36	14	21	212	3.49	0.17	16	40	1.21	582	45	0.05	15	0.14	5	38	0.40	110	101
189	175489	5	0.2	2.44	8	82	0.4	5	0.42	0.4	33	11	28	113	3.70	0.28	14	27	1.06	327	8	0.04	14	0.10	2	21	0.39	128	72
190	175490	5	0.2	2.56	7	107	0.5	5	0.57	0.3	38	11	29	79	2.94	0.32	17	22	0.91	360	14	0.05	15	0.12	5	33	0.23	94	53
191	P 175491	10	0.2	1.84	7	81	0.4	5	0.66	0.3	42	11	36	54	2.62	0.29	17	15	0.75	433	4	0.05	12	0.10	2	32	0.19	82	45
192	P 175492	5	0.2	2.30	4	56	0.4	5	0.30	0.2	31	7	25	37	2.90	0.17	13	18	0.55	248	8	0.07	8	0.22	4	27	0.31	98	51
193	175493	5	0.2	2.19	5	108	0.4	5	0.42	0.2	43	11	25	118	2.98	0.31	16	19	0.88	332	3	0.03	13	0.07	2	23	0.24	96	48
194	175494	5	0.2	1.89	6	60	0.4	5	0.29	0.2	30	7	24	66	2.66	0.16	12	17	0.55	228	12	0.06	9	0.11	3	18	0.22	87	43
195	175495	5	0.2	2.76	3	70	0.4	5	0.30	0.2	24	6	22	28	2.70	0.23	10	22	0.44	204	13	0.06	7	0.10	5	29	0.24	87	50
196	P 175496	5	0.2	1.98	9	50	0.3	5	0.23	0.2	25	6	25	22	3.85	0.15	11	10	0.46	148	9	0.03	7	0.07	4	20	0.29	132	32

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Tyanglton 1991 (JMC)

Noranda Exploration Co. Ltd. PROJECT 9109-027 136 File # 91-4220 Page 1

1050 Davie St., Vancouver BC V6E 1M4

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
R114678	25	7676	13	46	1.7	9	9	226	2.72	11	6	ND	3	5	.8	3	30	34	.17	.022	5	47	.59	65	.02	3	1.19	.01	.24	438	20
R114679	7	22071	6	95	.6	19	10	424	2.54	10	5	ND	6	7	3.2	2	46	59	.18	.038	8	38	1.17	27	.03	2	1.37	.04	.16	1	7
R114680	18	6070	12	54	3.2	17	8	265	2.86	71	5	ND	5	8	.9	2	71	46	.35	.028	6	33	.92	23	.03	2	1.12	.03	.14	15	21
R114681	171	3469	8	54	5.0	7	9	217	1.67	9	10	ND	1	3	.5	2	16	23	.05	.003	2	11	.37	17	.02	2	.49	.01	.07	4	5
R114682	9	1427	6	80	.5	19	11	441	3.12	7	5	ND	5	18	.2	2	11	72	.60	.037	5	41	1.24	45	.28	2	1.54	.07	.19	1	8
R114683	3	472	3	59	.2	18	10	364	2.80	14	5	ND	9	30	.2	2	4	47	.95	.031	8	24	.91	142	.08	2	1.10	.06	.36	1	6
RE 4114680	17	5588	12	51	3.1	16	8	253	2.71	66	5	ND	5	8	.8	2	66	44	.33	.027	6	32	.88	23	.03	2	1.08	.04	.14	15	26
R114684	12	205	4	32	.1	8	6	169	2.15	2	5	ND	1	18	.2	2	3	48	.22	.019	3	15	.71	205	.22	2	1.03	.09	.78	1	4
R114685	176	20121	264	133	27.1	20	18	186	6.42	354	8	ND	1	4	2.5	14	292	34	.04	.005	2	15	.11	29	.01	3	.28	.01	.09	1	13
R175266	81	6108	13	21	5.7	11	3	85	2.30	18	9	ND	1	2	.6	2	38	17	.03	.005	2	21	.12	12	.01	2	.40	.01	.09	129	27
R175273	26	1982	8	45	1.1	19	10	307	3.00	5	5	ND	9	17	.2	2	16	68	.41	.032	6	32	1.09	177	.27	2	1.48	.07	.77	30	6
R175274	15	1200	7	47	.6	19	9	310	2.97	4	5	ND	8	21	.2	2	10	67	.47	.036	5	32	1.03	267	.29	2	1.44	.10	.97	1	9
STANDARD C/AU-R	18	57	36	133	6.9	71	33	1044	3.96	39	17	7	36	54	18.9	16	17	57	.48	.092	37	59	.89	176	.09	34	1.90	.06	.15	13	470

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 MOSS MAT AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.
Samples beginning 'RE' are duplicate samples.

DATE RECEIVED: SEP 9 1991 **DATE REPORT MAILED:** Sept 12/91. **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
R115126	14	2158	2	47	.6	17	11	256	2.74	9	5	ND	11	20	.2	2	2	65	.37	.045	6	27	1.00	182	.26	3	1.40	.09	.74	27	4
R115127	13	442	5	7	.3	11	2	71	.73	12	6	ND	35	8	.2	2	2	7	.27	.005	2	7	.03	57	.01	6	.27	.03	.14	3	3
R175275	178	6997	2	37	4.2	6	8	103	2.10	22	10	ND	4	6	.5	2	7	22	.09	.027	3	13	.22	40	.06	2	.38	.02	.17	119	1
RE R175275	188	7583	2	39	4.4	7	9	111	2.23	24	14	ND	4	7	.6	2	8	24	.09	.027	3	13	.23	44	.06	3	.41	.02	.19	123	4

Samples beginning 'RE' are duplicate samples.

NORANDA VANCOUVER LABORATORY
Geochemical Analysis

PROPERTY/ LOCATION: TYAUGHTON

CODE: 9109–027

Project No.: 136 Sheet: 1 of 1 Date received: SEP. 14
Material: 3 PAN–CONS Geol.: J.M^C. Date completed: SEP. 20
Remarks: Pan–con: entire sample used for Au determination.
*Cu, Zn, Pb, Ag values obtained from Aqua Regia sol'n.

T.T. No.	SAMPLE No.	weight (g)	PPB Au		Cu	Zn	Pb	Ag
94	H 175267	76.4	5	–35#	80	66	1	0.2
96	H 175269	59.5	5		38	36	1	0.2
98	H 175271	105.2	5	–80#	34	32	1	0.2

ACME ANALYTICAL

Noranda Exploration Co. Ltd. PROJECT 9109-027 136 FILE # 91-4220 Page 2

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
MM175268	1	70	6	41	.2	14	9	353	3.23	5	5	ND	10	23	.2	2	3	76	.65	.114	13	63	.85	74	.20	3	1.12	.02	.14	1	6.7
MM175270	2	32	2	36	.1	15	10	275	3.93	5	7	ND	13	24	.2	2	2	98	.62	.149	12	107	.68	45	.11	4	.91	.02	.10	1	2.0
MM175272	3	36	8	35	.2	14	10	286	3.63	5	5	ND	11	23	.2	2	2	90	.58	.131	12	90	.69	47	.11	4	.92	.02	.10	3	2.6

APPENDIX IV

ROCK SAMPLE DESCRIPTIONS

NORANDA EXPLORATION COMPANY, LIMITED

PROJECT # 136

N.T.S. 920/3

LAB REPORT # 9109-027 136
9109-047 136

DATE August '91

PROJECT WIL

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% Sulph.	TYPE	WIDTH (m)	Cu ppm	Au ppb	Mo ppm	Ag ppm	Pb ppm	Zn ppm	As ppm	SAMPLED BY
R114678	Malachite with minor chalcopyrite within 10 cm wide quartz vein. Host rock medium grained granodiorite.		Chip	0.5	7676	20	25	1.7	13	46	11	T.B.
R114679	K-feldspar and phyllic alteration with malachite and chalcopyrite within a discontinuous zone hosted by granodiorite.		Chip	2	22071	7	7	0.6	6	95	10	T.B.
R114680	Same as above (R114679).		Chip	2	6070	21	18	3.2	12	54	71	J.M.
R114681	Rusty coloured and vuggy quartz vein with malachite and chalcopyrite.		Chip	0.5	3469	5	171	5.0	8	54	9	J.M.
R114682	Wall rock 1 m chip on both sides of quartz vein (R114681). Minor chalcopyrite within granodiorite, proximal to quartz vein.		Chip	2	1427	8	9	0.5	6	80	7	J.M.
R114683	Sample from old (1963/64) trench. Medium to fine grained quartz diorite with weak chlor-		Chip	2	472	6	3	0.2	3	59	14	T.B.

NORANDA EXPLORATION COMPANY, LIMITED

PROJECT # 136

N.T.S. 920/3

LAB REPORT # 9109-027 136
9109-047 136

DATE August '91

PROJECT WIL

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% Sulph.	TYPE	WIDTH (m)	Cu ppm	Au ppb	Mo ppm	Ag ppm	Pb ppm	Zn ppm	As ppm	SAMPLED BY
R114683 con't	itic alteration.											
R114684	Sample from old (1963/64) trench. Quartz diorite <1% fine grained disseminated pyrite.		Chip	2	205	4	12	0.1	4	32	2	T.B.
R114685	Malachite and chalcopyrite within quartz vein, hosted by granodiorite.		Chip	0.5	20121	13	176	27.1	264	133	354	T.B.
R175266	Vuggy, rusty coloured quartz vein with malachite and trace of chalcopyrite.		Float		6108	27	81	5.7	13	21	18	J.M.
R175273	Weakly chloritized granodiorite with a trace of malachite and chalcopyrite.		Chip	1	1982	6	26	1.1	8	45	5	J.M.
R175274	Weakly chloritized granodiorite with a series of parallel joint planes.		Chip	1.5	1200	9	15	0.6	7	47	4	J.M.

NORANDA EXPLORATION COMPANY, LIMITED

PROJECT # 136

N.T.S. 920/3

LAB REPORT # 9109-027 136
9109-047 136

DATE August '91

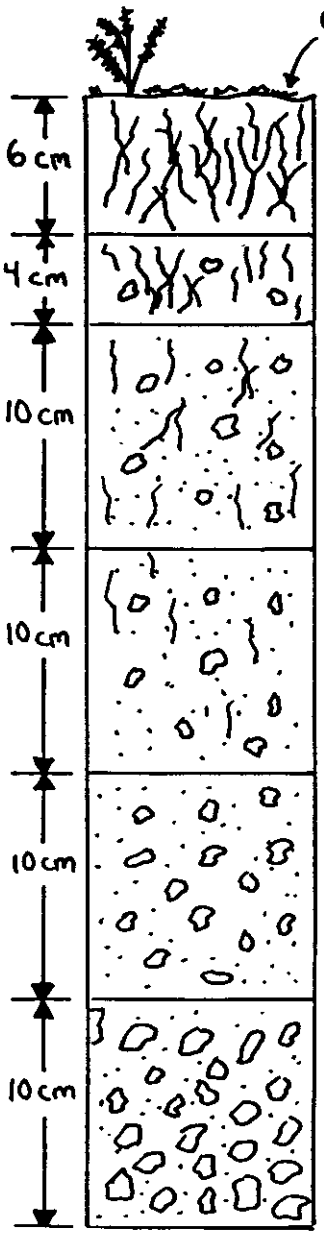
PROJECT WIL

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% Sulph.	TYPE	WIDTH (m)	Cu ppm	Au ppb	Mo ppm	Ag ppm	Pb ppm	Zn ppm	As ppm	SAMPLED BY
R175275	Vuggy, rusty quartz vein <1% malachite, trace of chalcopyrite and trace of magnetite 7 cm wide vein.		Chip	0.07	6997	1	178	4.2	2	37	22	J.M.
R115126	Hanging wall of sample R175275. Granodiorite with a trace of malachite and chalcopyrite predominantly along joint planes.		Chip	2	2158	4	14	0.6	2	47	9	J.M.
R115127	Quartz monzonite dyke weathered and fresh surface; light orange Trace of pyrite.		Chip	2	442	3	13	0.3	2	7	12	J.M.

APPENDIX V

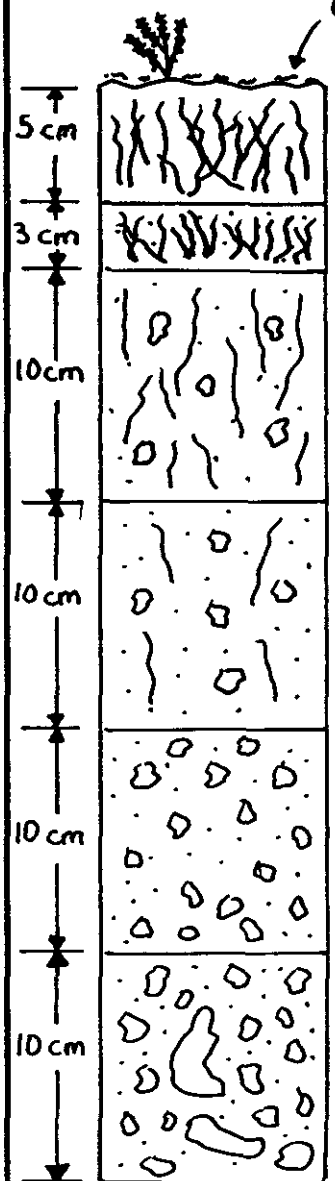
SOIL PROFILE SURVEY



HORIZON	DESCRIPTION	SAMPLE No./ RESULTS Cu(ppm), Au(ppb)
ORGANICS	PINE NEEDLES, MOSS, LEAVES	P115128/ 280 Cu, 5 Au
HUMUS	ROOTS, SILTY, MEDIUM BROWN	P115129/ 282 Cu, 5 Au
A	GRANODIORITE ROCKS, FINE ROOTS, LIGHT BEIGE COLOUR, SILTY SAND	P115130/ 850 Cu, 5 Au
B_o	SOME ROOTS, PEBBLES SANDY SILT, MEDIUM BROWN	P115131/ 995 Cu, 5 Au
B_1	SAME AS B_o, BUT LESS ROOTS	P115132/ 1269 Cu, 5 Au
B_2	CLAYEY SILT, INCREASE IN ROCKS, MEDIUM BROWN	P115133/ 1299 Cu, 5 Au
C	CLAYEY SILT, INCREASE IN ROCKS, DARK BROWN, APPROACHING WATER TABLE	P115134/ 1594 Cu, 5 Au

REVISED	WIL PROPERTY
	SOIL PROFILE 'A'
PROJ. No. 136	SURVEY BY: J.M. DATE: OCT., 1991
N.T.S. 9203	DRAWN BY: J.M. SCALE:
DWG. No. Appendix V	NORANDA EXPLORATION
	OFFICE:

NCI-774



HORIZON	DESCRIPTION	SAMPLE No. / RESULTS Cu(ppm), Au(ppb)
ORGANICS	MOSS, GRASS, LEAVES	P115135/ 23 Cu, 5 Au
HUMUS	FINE ROOTS, SILTY, DARK BROWN	P115136/ 27 Cu, 5 Au
A	BLEACHED; LIGHT GREY-BROWN, SILTY, FINE ROOTS	P115137/ 19 Cu, 5 Au
B_o	SOME ROCKS, SILTY, FINE ROOTS, HARD PACK	P115138/ 21 Cu, 5 Au
B_1	SAME AS B_o, LESS ROOTS	P115139/ 36 Cu, 5 Au
B_2	MORE ROCKS, SANDY SILT, RUSTY ORANGE - BROWN	P115140/ 61 Cu, 5 Au
C	ANGULAR LARGE ROCKS, SANDY SILT, LIGHT ORANGE YELLOW	P115141/ 52 Cu, 5 Au

REVISED	WIL PROPERTY
	SOIL PROFILE 'B'
PROJ. No. 136	SURVEY BY: J.M. DATE: OCT '91
N.T.S. 9203	DRAWN BY: J.M. SCALE:
DWG. No. Appendix V	NORANDA EXPLORATION
	OFFICE:

NQ-774

L-110+00E
L-118+00E
L-116+00E
L-108+00E
L-102+00E
R 114683
472Cu, 6Au/2m
R 114684
205Cu, 4Au/2m
117+00N
115+00N
110+00N
105+00N
100+00N
BL-100+00N
5654000m.N
479000m.E
R 114685
20121Cu, 13Au/0.5m
WIL 6 0303623 LCP
8542
R175275 - 6997Cu, 1Au/0.07m
R115126 - 2158Cu, 4Au/2m
R175273 - 1982Cu, 6Au/1m
R175274 - 1200Cu, 9Au/1.5m
R115127 - 442Cu, 3Au/2m
H175271 - 34Cu, 5Au
MM175272 - 36Cu, 2.6Au
WIL 1 0301569
WIL 2 0301570
R114681 - 3469Cu, 5Au/0.05m
R114682 - 1427Cu, 8Au/2m
96+00N
94+00N
93+00N
90+00N
5653000m.N
480000m.E
0303625 WIL 4
0303624 WIL 5
LCP
7500
R114679 - 22071Cu, 7Au/2m
R114680 - 6070Cu, 21Au/2m
R175472 - 19574Cu, 25Au/0.5m
R175266 - 6108Cu, 27Au/Float
R114678 - 7676Cu, 20Au/0.5m
H175269 - 38Cu, 5Au
MM175270 - 32Cu, 2Au
H175267 - 80Cu, 5Au
MM175268 - 70Cu, 6.7Au
8810
Icefield
5651000m.N
481000m.E

N

LEGEND

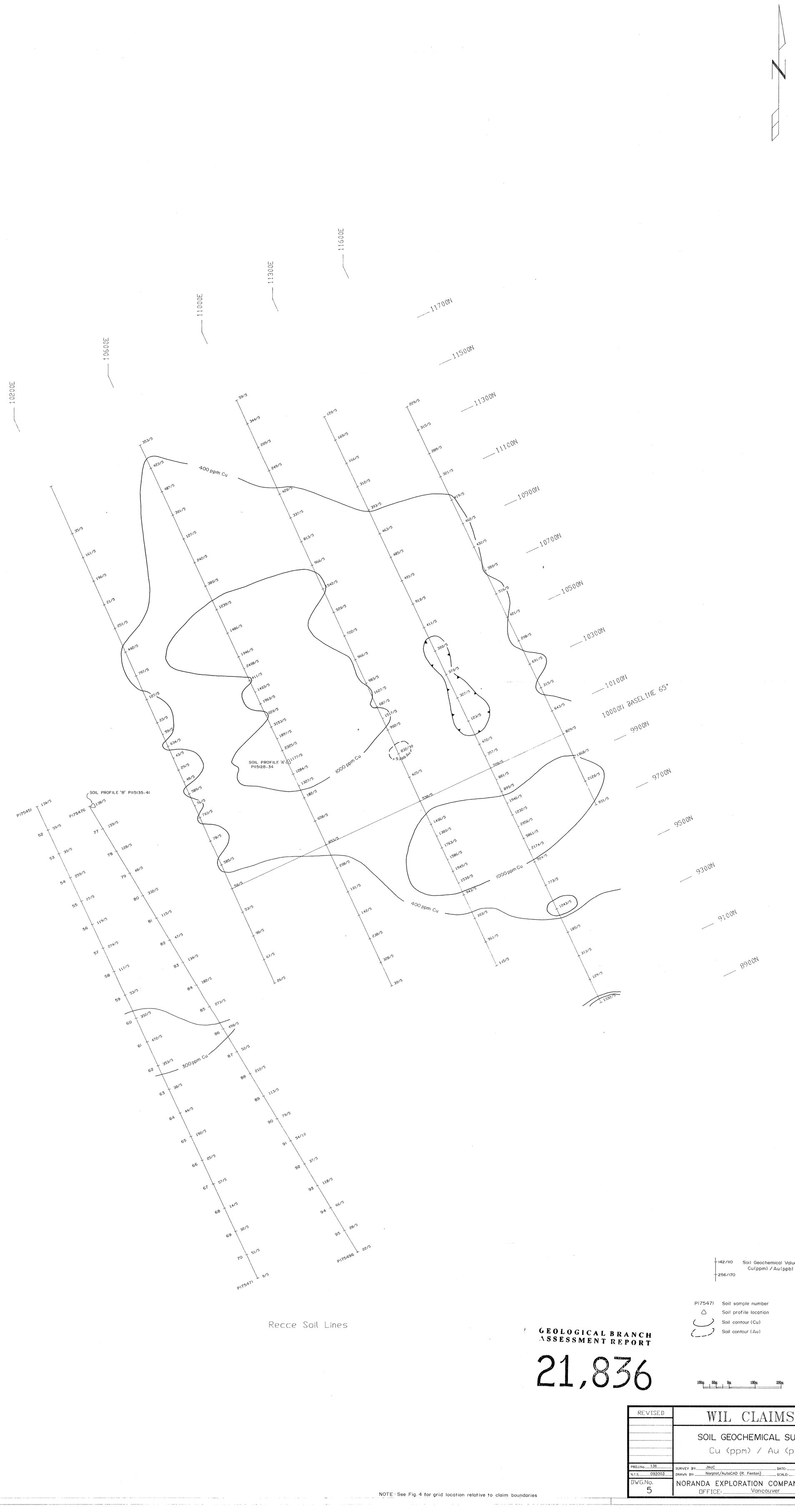
- 2 — QUARTZ MONZONITE — Fine to Medium Grained with Minor Plagioclase
- 1 — COAST PLUTONIC COMPLEX — Medium to Coarse Grained Granodiorite. Mafics Consist of Hornblende and/or Primary Biotite.
- Geological Contact, Defined, Proximal
- Shear Zone
- 65 — Joint Measurement, Strike + Dip
- Outcrop
- R 115127 / 442Cu,3Au/2m — Rock Sample Location; Sample Number, Cu(ppm), Au(ppb) / Sample Width (metres)
- H 175271 / 34Cu, 5Au — Heavy Concentrate (Pan) Sample Location; Sample Number, Cu(ppm), Au(ppb)
- MM 175272 / 36Cu, 2.6Au — Moss Mat Sample Location; Sample Number, Cu(ppm), Au(ppb)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,836

Metres 0 100 200 300 400 500 Metres

REVISED	WIL CLAIMS
	PROPERTY GEOLOGY + ROCK / STREAM / SEDIMENT SAMPLE LOCATIONS
PROJ. No. 136	SURVEY BY: JMcC DATE: Sept. 9, 1991
N.T.S. 92O/3	DRAWN BY: GM ; J.S. SCALE: 1:5000
DWG. No. 4	NORANDA EXPLORATION
	OFFICE: VANCOUVER



142/110 Soil Geochemical Values Cu(ppm) / Au(ppb)
256/170

P175471 Soil sample number
Soil profile location
Soil contour (Cu)
Soil contour (Au)

100m 50m 0m 100m 200m

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,836

NOTE : See Fig. 4 for grid location relative to claim boundaries

noranda
NORANDA EXPLORATION CO. LTD.

REVISED	WIL CLAIMS
	SOIL GEOCHEMICAL SURVEY
	Cu (ppm) / Au (ppb)
PROJ.No. 136	SURVEY BY: JMcC DATE: October 7/91
N.T.S. 092O03	DRAWN BY: Norplot/AutoCAD (R. Fenton) SCALE: 1:5000
DWG.No. 5	NORANDA EXPLORATION COMPANY, LIMITED OFFICE: Vancouver