GEOLOGICAL/GEOCHEMICAL

ASSESSMENT REPORT

ON THE

PROFIT PROPERTY

N.T.S.: 94G/12 W

57°42' 123°55'

LIARD M.D.

By : Graham Gill, Project Geologist
Owner: NORANDA EXPLORATION COMPANY, LIMITED
Operator (No Personal Liability)
Date : November 1993

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APPENDICES

DRAWINGS

I. INTRODUCTION

Between August 28, 1993 and September 7, 1993 a preliminary geological and geochemical programme was conducted by Noranda Exploration Company, Limited on the Profit property. The objective of the survey described in this report was to confirm geological mapping of the property completed by Equinox Resources in 1986 and 1987, to cut off open-ended soil geochemistry and to assess the economic viability of the known showings.

1.1 Location and Access

The Profit property is located approximately 150 km southwest of Ft. Nelson, B.C. on N.T.S. Mapsheet 94G/12 at the headwaters of the Prophet and Muskwa Rivers within the Rocky Mountains. Access to the property is obtained via helicopter from Ft. Nelson (see Drawings 1 & 2).

1.2 Topography and Physiography

The claims are centred on the divide between the headwaters of the Prophet and Muskwa Rivers where drainages flow easterly and north & south. Elevations range between 4100′ in the southeast corner to 5700′ in the west-central portion of the property. Treeline begins at approximately 5000′. Relief on the property ranges from moderate on alpine plateaus and large creek valleys to steep along deeply incised tributaries.

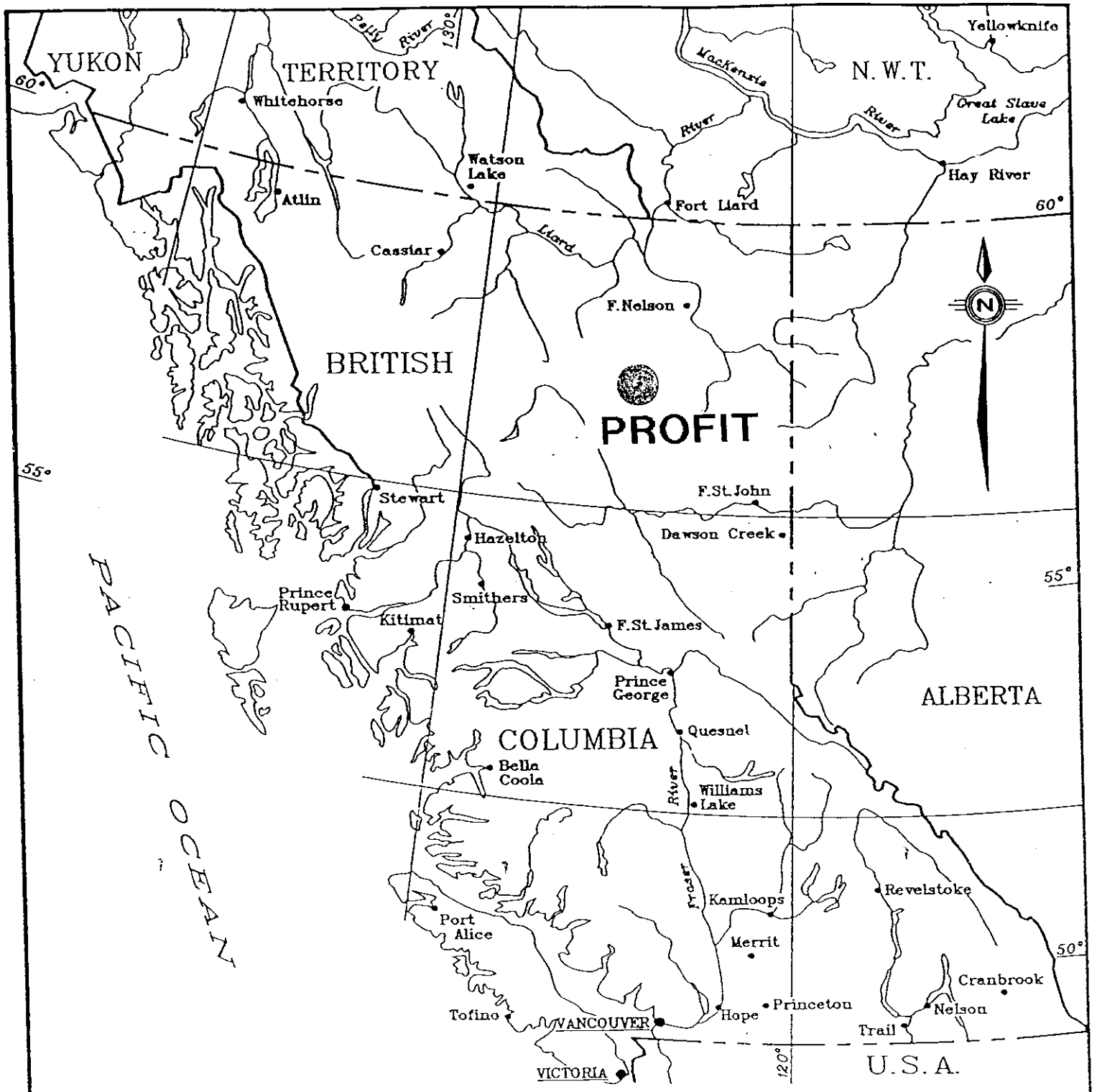
1.3 History

Below is a brief description of documented work performed on and around the property in chronological order.

1971 : Arrow Inter-America discovered Pb-Zn mineralization near Robb Lake which led to further Pb-Zn discoveries within the north trending carbonate platform.

1972-1973: Cominco Ltd. conducted soil geochemistry and geological mapping on the property.

1974 : Cominco's original 54 claims were allowed to lapse.



REVISED	
PROJ. No.	
N.T.S.	
DWG. 1	

LOCATION MAP

SURVEY BY: DATE: JUNE 1991

DRAWN BY: J. SERWIN (ACAD) SCALE:

NORANDA EXPLORATION

OFFICE: VANCOUVER

1986-1987: Equinox Resources Ltd. staked the Cay claims over the area of interest and conducted geological mapping, geochemical and geophysical surveys as well as trenching and diamond drilling (1078 meters in 21 holes) and metallurgical studies on bulk samples.

1992 : Noranda Exploration Company, Ltd. staked 3 claims totalling 56 units over the area of interest.

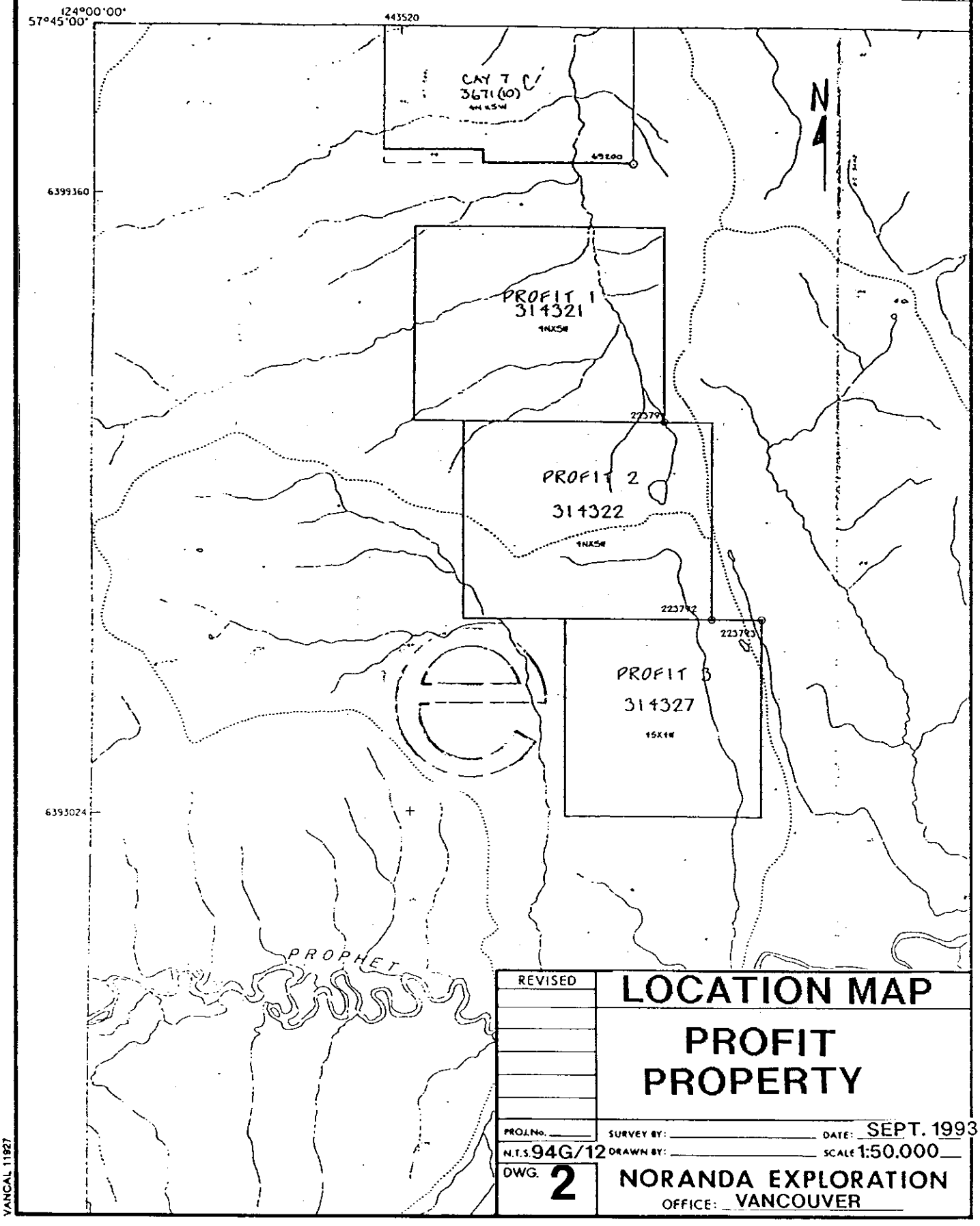
1.4 Claims

The Profit property owned by Noranda Exploration Company, Ltd. (No Personal Liability) of #100 - 1285 West Pender Street, Vancouver, B.C. consists of 56 units in the Liard Mining Division. Below is a list of the claims with pertinent data regarding each (see Drawing 2).

CLAIM NAME	UNITS	RECORD NO.	RECORD DATE	ANNIVERSARY DATE
PROFIT 1	20	314321	OCT. 22, 1992	OCT. 22, 1995
PROFIT 2	20	314322	OCT. 22, 1992	OCT. 22, 1995
PROFIT 3	16	314327	OCT. 21, 1992	OCT. 21, 1995

1.5 Economic Potential

Lead-zinc mineralization located along the eastern limb of a tightly folded anticline occurs within silicified brecciated zones and associated barite veining. Drill testing of a portion of this limb proved the existence of widespread, low-grade mineralization. An increase in tonnage and grade (based on historic rock sampling & trenching) may occur in the vicinity of the fold nose in the southern portion of the property.



LOCATION MAP

PROFIT PROPERTY

REVISED	
PROJ. No.	SURVEY BY: DATE: SEPT. 1993
N.T.S. 94G/12	DRAWN BY: SCALE 1:50.000
DWG. 2	NORANDA EXPLORATION
	OFFICE: VANCOUVER

VANCAL 11927

II. GEOLOGY

2.1 Regional Geology

The Kechika Trough - Dunedin Platform area of northeastern B.C. occurs in the Rocky Mountain Foldbelt and represents a sequence of intracratonic basins, miogeosynclines and related platformal carbonates of mid-Proterozoic to mid-Paleozoic age.

Large scale rifting along the North American continental margin in middle Devonian to Early Mississipian time resulted in the formation of sedimentary-exhalative lead-zinc deposits such as the Cirque (32 MT of 7.9% Zn, 2.1% Pb) which occur in restricted second and third order basins within the Kechika Trough. Continued rifting and subsidence of the Kechika Trough also resulted in the dewatering of the basin which drove lead-zinc rich metalliferous brines eastward toward the Dunedin carbonate platform. Carbonate hosted, Mississippi Valley type Pb-Zn occurrences were subsequently deposited along a north trending facies front (or 'shale-out') in Devonian rocks of the Stone and Dunedin Formations which host the 5.5 MT, 7.3% Pb + Zn Robb Lake Deposit.

The Profit property is located within the Dunedin carbonate platform proximal to the 'shale-out' and is located 85 km north of the Robb Lake Deposit (see Drawings 3 & 4).

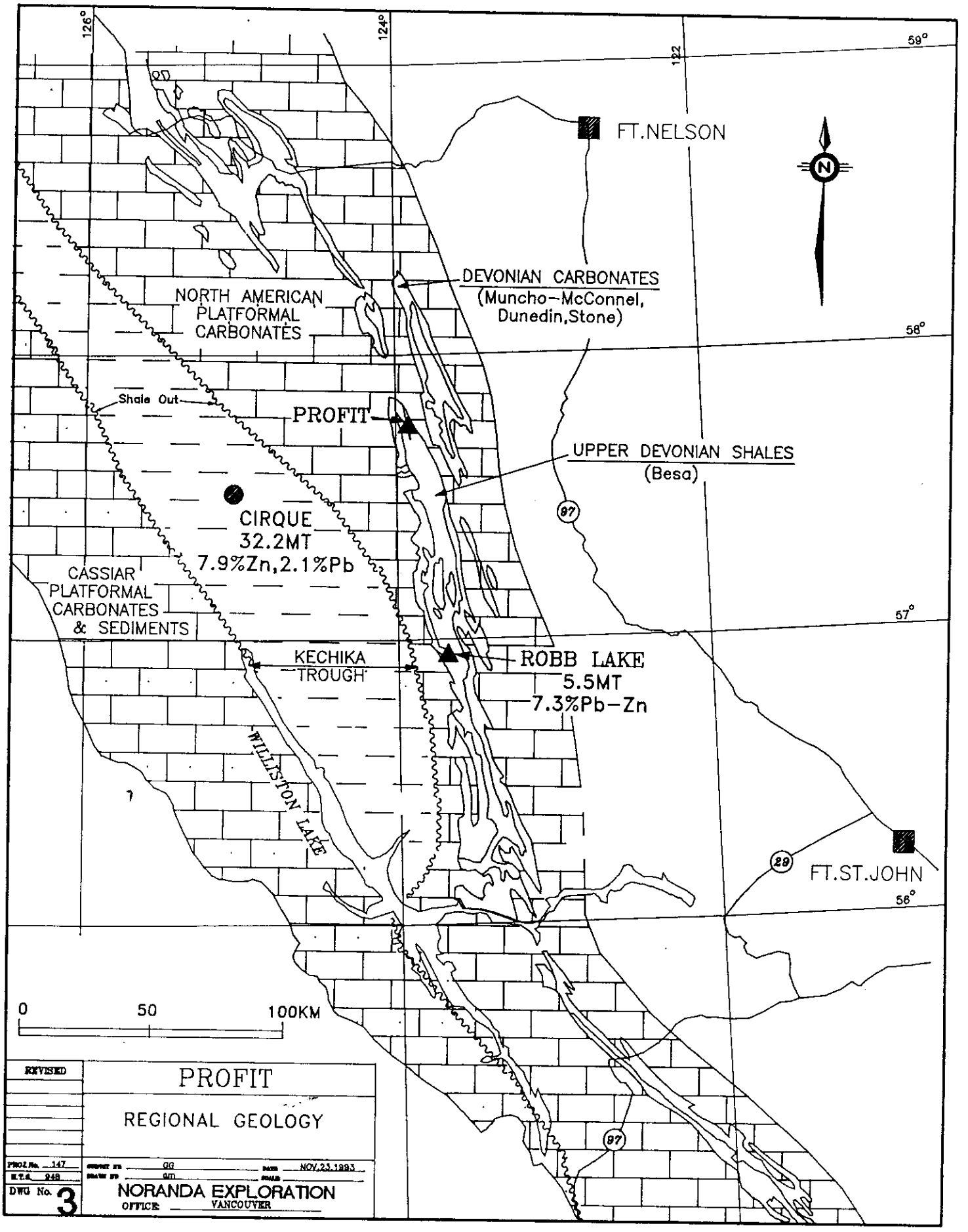
2.2 Property Geology

Mapping of the Profit property was conducted with the aid of a compass, hipchain and altimeter utilizing the 1987 grid established by Equinox for control wherever possible. An area of 4.0 square kilometers was mapped at 1:10,000 scale and is shown on Drawing #5 with rock sample locations and numbers.

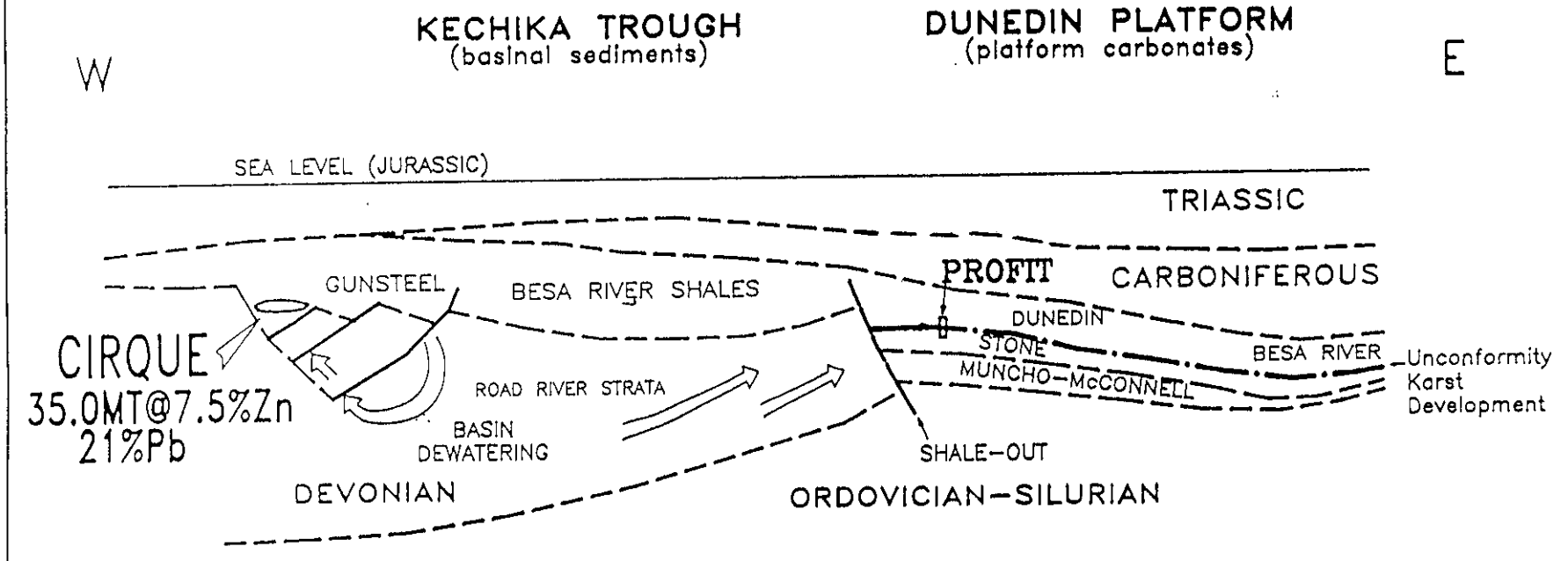
The property is underlain by a tightly folded anticline which closes to the south and is cored by older, fine grained, light coloured limestones and predominantly dolostones of the Stone Formation which is medium to thickly bedded.

The Stone Formation is conformably overlain by thinly bedded, fossiliferous, grey to black coloured Dunedin limestones which contain abundant crinoids, brachiopods and coral hosted within a limey mud matrix and is often dolomitized. The Dunedin forms the north-northwest trending limbs of the anticline and is best exposed on the eastern limb due to steeper topography. Only in one location on the western portion of the anticline near Line 107N and the 1987 baseline is Dunedin limestone exposed.

Overlying the Dunedin Formation are black, carbonaceous, fissile shales of the Besa River Formation which mark the end of carbonate deposition in this area.


126°
124°
122
59°
58°
57°
56°
FT.NELSON
N
DEVONIAN CARBONATES
(Muncho–McConnel,
Dunedin,Stone)
NORTH AMERICAN
PLATFORMAL
CARBONATES
Shale Out
PROFIT
UPPER DEVONIAN SHALES
(Besa)
97
CIRQUE
32.2MT
7.9%Zn,2.1%Pb
CASSIAR
PLATFORMAL
CARBONATES
& SEDIMENTS
KECHIKA
TROUGH
ROBB LAKE
5.5MT
7.3%Pb–Zn
WILLISTON LAKE
29
FT.ST.JOHN
0
50
100KM
REVISED
PROFIT
REGIONAL GEOLOGY
PROJ No. 147
N.T.S. 94B
DWG No. 3
GG
gm
NOV.23.1993
NORANDA EXPLORATION
OFFICE VANCOUVER

IDEALIZED EAST–WEST SECTION THROUGH THE KECHIKA TROUGH–DUNEDIN PLATFORM



DRAWING 4

Lead-zinc mineralization in the form of fine-grained, reddish sphalerite, galena and hydrozincite occurs mainly at the contact between Stone dolostones and overlying Dunedin fossiliferous limestones and is described as stratabound.

The most widespread mineralization occurs in grey to black, brecciated and pervasively silicified limestones probably of Dunedin origin although in some cases no evidence of fossil content is seen due to obliteration of original textures by migrating silica-rich fluids. These siliceous breccias appear conformable to bedding and occur up to several meters thick although lead-zinc mineralization is not consistent throughout the siliceous breccia and is concentrated locally in beds up to 1-2 meters thick. Other minerals associated with the siliceous breccias consist of quartz, bitumen and minor clots or crystals of galena.

The siliceous breccia zones are located sporadically along the eastern limb of the anticline from Line 105N, 750E to Line 82N, 450E. Of importance are two well mineralized sections along this limb referred to as the Vantage Showing (located along a deeply incised creek bed at approximately Line 95N, 550E) and the Wolverine Showing (located at Line 8675N, 450E; site of the 1987 drilling).

Best 1993 sample results from these showing areas are listed below.

SHOWING	SAMPLE	ZINC	LEAD	WIDTH
Wolverine	431-K	2.4%	0.64%	0.6 m
" "	431-O	1.9%	0.75%	0.7 m
Vantage	432-O	2.9%	0.055%	1.0 m

An area of limited outcrop yet seemingly widespread siliceous brecciation occurs between Line 80N (1987 grid) and Line 22S (1986 grid) and measures approximately 800 m x 300 m. It is within this area that historic prospecting obtained up to 21.1% Zn in mineralized float boulders and 22.69% Zn over 1.3 m from an outcrop denoted as the Nose Showing. Norex sampling of this area in 1993 returned values of up to 3.2% Zn over 0.5 meters at the single outcrop that makes up the Nose Showing and only elevated Pb-Zn values in boulder float from the same area.

Besides the siliceous breccia type mineralization a second style of lead-zinc mineralization exists on the Profit property. It is described as barite veins and replacements locally associated with fluorite and hosting coarse-grained clots of galena and fine-medium grained sphalerite (honey coloured) and bitumen. The replacement barite occurs as acicular crystals in rosettes which occur up to 5-7 cm in diameter. This style of mineralization appears to crosscut stratigraphy as well as the siliceous breccia style mineralization. It occurs at all locations described above and exists as the only style of Pb-Zn mineralization at the Alpha Showing located at 107+25N, 0E on the 1987 grid.

III. GEOCHEMISTRY

The geochemical survey conducted on the Profit property consisted of rock sampling of any mineralized zones and wherever representative rock types were encountered as well as soil geochemistry in areas of anomalous Pb-Zn defined by very widely spaced lines, and areas of open-ended Pb-Zn soil anomalies. Soil sampling was carried out along metrically chained lines at 50 m sample intervals with the aid of a mattock to a depth of 20-40 cm.

A total of 70 rocks and 135 soils were sent to Noranda's laboratory at Unit #1, 7550 - 76th Street in Delta, B.C. for analysis. Refer to Appendix I for a detailed description of laboratory analytical techniques and Appendix II for sample descriptions and results.

Refer to Drawing 5 for rock sample locations and the Property Geology section of this report for a discussion on best rocks results obtained.

Drawings 6 & 7 show Zn-Pb soil values combining the 1986, 87 survey results obtained by Equinox Resources and the 1993 results of Noranda. Soil contour intervals have been plotted at 500 ppm Zn and 50 ppm Pb and were determined by visual examination of the data only.

On inspection of the data it is apparent that a +2.5 km long, coincident Pb-Zn soil anomaly which ranges in width from 150 m to 500 m occurs along the east limb of the anticline and in particular along the trace of the Dunedin and siliceous breccia units. The coincident soil geochemical anomaly tends to widen in the vicinity of Lines 0N (1986) and 102+50N (1993) where an east flowing creek exists. The widening of the anomaly in this area may be explained by i) the existence of a fault within or close to the creek which may be in part responsible for the mobilization of Pb-Zn rich fluids or ii) to subsurface mineralization within the hinge zone of the anticlinal trace which would lie in the western section of the soil anomaly. The more widespread soil anomaly to the east of the anticlinal trace may be due to downslope migration of the elements.

The lack of anomalous Pb-Zn soil geochemistry over the western limb and in the area of the mineralized Nose Showing is probably due to the increase in overburden cover in these areas.

1993 soil sampling to the east of the eastern limb of the Dunedin limestones along Lines 83N, 81N, 79N and 1650S effectively cut-off the open-ended Pb-Zn anomaly detected in 1986, 87.

IV. CONCLUSIONS

1. The 1993 geological & geochemical surveys conducted on the Profit property have confirmed the presence of two styles of mineralization along the Dunedin & Stone contact;

   i) conformable widespread siliceous, brecciated limestone with fine grained disseminated sphalerite, minor galena, quartz and bitumen.

   ii) crosscutting barite veins and replacements with coarser grained sphalerite, galena and associated bitumen and fluorite. This style postdates the latter and would not provide enough tonnage or grade for open pit mining.

2. Although soil geochemistry is coincident with the eastern limb of the Dunedin/siliceous breccia units increasing overburden cover to the west and south does not preclude the existence of buried mineralization in these areas.

3. The widening of the Pb-Zn soil geochemical anomaly in the northern section of the grid may be due to subsurface mineralization located in the hinge of the anticlinal fold within the Stone dolostones; a unit not previously considered as an attractive host rock on this property. Further work including trenching in this portion of the property is warranted to test this theory.

4. Drilling in the overburden covered section of the Nose Showing is suggested to test for the possibility of higher grade and tonnage associated with siliceous breccia style mineralization in the nose of the fold.

REFERENCES

Leighton, D.G. and Pell, J.A.: A.R. #16851, Geological and Geochemical Survey on the Cay Property, January 6, 1988.

MacQueen, R.W. and Thompson, R.I.: 1978 Carbonate Hosted Lead-Zinc Occurrences in Northeastern B.C., with Emphasis on the Robb Lake Deposit; Canadian Journal of Earth Sciences, 15, pp 1737-1762.

Zabo, N.L.: A.R. #4201, Soil Geochemical Survey on the Cay Claims for Cominco Ltd.

Thompson, R.I.: GSC Memoir 425; Stratigraphy, Tectonic Evolution and Structural Analysis of the Halfway River Map Area (94B), Northern Rocky Mountains, B.C., 1989.

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

GEOCHEMICAL RESULTS

NORANDA DELTA LABORATORY

Geochemical Analysis

Project Name & No.: PROFIT – 155 **Geol.:** MG/GG **Date received:** SEP. 09 **LAB CODE:** 9309–020

Material: 136 Soils & 70 Rx **Sheet:** 1 of 5 **Date completed:** SEP. 20

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 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
3	1650S–0E Soil	5	0.2	6.46	16	4112	1.5	5	0.73	2.1	73	16	24	41	3.97	1.85	32	26	0.62	429	6	0.08	57	0.10	71	74	0.10	174	549
4	50	5	0.2	5.81	15	2744	1.2	5	0.24	0.7	64	11	21	32	3.91	1.64	31	20	0.58	144	7	0.06	38	0.06	59	36	0.10	166	230
5	100	5	0.2	6.40	11	2077	1.3	5	0.78	0.2	71	8	22	36	3.19	1.83	31	20	0.61	128	6	0.07	38	0.08	9	43	0.10	174	118
6	150	5	0.4	7.05	21	1866	1.4	5	0.49	0.9	72	15	26	48	3.90	2.00	33	20	0.64	475	9	0.07	41	0.11	17	39	0.10	199	154
7	1650S–200E	5	0.2	7.25	12	1607	1.5	5	0.12	0.2	65	9	22	33	3.79	2.12	33	20	0.63	151	10	0.07	37	0.07	11	33	0.10	179	101
8	1650S–250E	5	0.2	7.46	15	1694	1.4	5	0.16	0.6	66	11	24	30	3.62	2.14	33	20	0.65	263	8	0.08	34	0.09	11	36	0.10	187	97
9	300	5	0.2	5.90	12	1404	1.2	5	0.16	0.5	62	8	28	33	3.79	1.58	30	19	0.61	216	11	0.05	34	0.07	15	28	0.10	192	111
10	350	5	0.2	4.97	12	1109	1.0	5	0.11	0.2	61	9	28	18	3.58	1.46	30	19	0.62	284	7	0.04	20	0.06	13	23	0.08	141	95
11	400	5	0.2	4.61	21	1105	1.2	5	0.17	0.5	62	11	34	39	3.27	1.37	31	20	0.51	149	13	0.05	46	0.06	14	24	0.06	175	143
12	1650S–450E	5	0.2	7.55	25	1676	1.5	5	0.21	0.5	70	11	21	32	3.67	2.35	34	20	0.65	166	12	0.08	41	0.09	15	36	0.09	191	141
13	1650S–500E	5	0.2	6.99	22	1680	1.5	5	0.16	0.7	67	12	20	39	3.63	2.19	32	20	0.61	177	12	0.08	47	0.08	20	35	0.08	187	160
14	19S–200E	5	0.2	4.68	18	1085	0.9	5	0.12	0.3	63	8	20	14	3.29	1.27	32	20	0.61	278	5	0.04	18	0.05	10	22	0.09	139	95
15	250	5	0.2	5.26	21	939	1.0	5	0.05	0.6	59	10	18	27	3.76	1.48	30	27	0.66	138	6	0.06	36	0.05	18	25	0.09	147	141
16	300	5	0.2	4.09	22	969	0.9	5	0.09	0.2	63	8	19	21	3.42	1.22	30	19	0.53	130	10	0.04	30	0.05	11	22	0.08	139	142
17	19S–350E	5	0.2	4.19	15	931	0.8	5	0.09	0.8	65	5	19	13	2.39	1.23	32	15	0.55	105	7	0.04	14	0.05	10	22	0.09	140	70
18	19S–400E	5	0.2	4.55	24	1062	1.0	5	0.11	0.8	62	7	21	17	2.92	1.36	30	19	0.59	161	9	0.05	24	0.06	11	22	0.08	168	116
19	450	5	1.2	6.36	25	1793	1.5	6	0.90	4.1	70	16	37	48	3.40	1.74	29	26	0.76	700	6	0.06	62	0.15	16	38	0.07	191	267
20	19S–500E ▣	5	0.2	1.14	9	994	0.4	5	3.41	3.1	34	5	15	24	0.86	0.30	9	6	0.38	147	2	0.03	29	0.11	3	75	0.03	40	125
21	20S–200E	5	0.2	4.23	27	895	0.9	5	0.12	0.3	58	9	35	21	3.22	1.34	30	19	0.56	193	6	0.04	21	0.05	12	24	0.05	138	97
22	20S–250E	5	0.2	4.22	21	932	0.8	5	0.13	0.4	67	7	29	14	3.08	1.27	33	18	0.63	244	5	0.04	16	0.06	9	23	0.07	132	83
23	20S–300E	5	0.2	5.02	27	952	1.3	5	0.11	0.5	69	11	21	38	3.53	1.48	33	20	0.58	192	10	0.06	42	0.06	20	25	0.08	153	122
24	350	5	0.2	4.23	21	1055	0.8	5	0.10	0.8	69	5	17	14	2.53	1.37	34	14	0.52	181	7	0.04	16	0.06	7	22	0.09	151	92
25	400	5	0.2	5.47	32	1526	1.1	5	0.21	1.8	69	11	21	24	3.05	1.59	33	24	0.73	446	4	0.05	27	0.08	15	26	0.09	162	203
26	450	5	0.6	5.68	30	1643	1.4	6	1.13	3.5	86	15	29	48	3.29	1.48	33	32	0.80	731	5	0.05	69	0.10	19	40	0.08	167	253
27	20S–500E	5	0.2	4.85	29	1389	1.1	5	1.34	1.5	75	12	28	37	3.01	1.31	30	27	0.76	342	4	0.05	46	0.10	17	43	0.08	144	151
28	21S–200E •	5	0.2	6.13	34	1330	1.1	5	0.17	1.0	59	8	24	20	3.01	1.88	30	19	0.62	136	6	0.07	25	0.07	16	33	0.09	204	149
29	250	5	0.2	7.68	45	1628	1.4	5	0.20	0.7	67	7	27	27	3.27	2.20	33	25	0.74	113	4	0.10	33	0.07	22	41	0.09	242	119
30	300	5	0.8	7.76	44	1856	1.6	7	0.56	1.5	72	10	41	59	3.14	2.21	33	31	0.73	178	3	0.09	70	0.09	26	41	0.07	246	130
31	350	5	0.6	5.64	4	1431	1.3	5	0.35	0.2	64	11	44	34	3.01	1.52	31	23	0.64	223	6	0.06	37	0.11	9	32	0.06	177	128
32	21S–400E	5	0.2	4.60	14	943	0.9	5	0.13	0.2	57	7	27	23	3.29	1.26	28	22	0.63	137	6	0.05	28	0.05	8	25	0.07	144	117
33	21S–450E	5	0.2	5.13	10	1246	1.1	5	0.25	1.5	67	8	20	25	3.18	1.38	32	27	0.75	243	5	0.05	35	0.06	11	26	0.09	163	209
34	21S–500E	5	0.4	5.67	12	1323	1.3	5	0.32	0.5	69	11	23	34	3.38	1.60	32	27	0.78	366	4	0.05	39	0.08	12	28	0.09	168	187
35	22S–200E	5	0.2	6.61	12	1570	1.4	5	0.34	0.2	69	10	22	44	3.45	1.82	32	23	0.69	224	6	0.08	43	0.08	15	38	0.08	210	116
36	250	5	0.2	6.39	15	1387	1.3	5	0.23	0.2	68	8	21	31	3.33	1.88	31	25	0.75	116	5	0.08	39	0.07	10	35	0.09	196	119
37	22S–300E •	5	0.2	6.16	13	1350	1.2	5	0.28	0.5	63	8	23	24	3.27	1.86	29	21	0.62	134	7	0.08	34	0.08	12	37	0.08	212	151

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
38	22S-350E	5	0.2	6.34	11	1306	1.2	5	0.05	0.2	59	7	22	25	2.86	1.80	30	25	0.69	89	3	0.07	31	0.06	7	30	0.09	203	94
39	400	5	0.4	5.91	12	1493	1.1	5	0.47	0.4	67	7	35	28	2.86	1.61	29	21	0.64	136	4	0.07	31	0.10	10	38	0.09	204	89
40	450	5	0.4	4.06	12	860	0.9	5	0.14	0.2	57	7	23	21	2.88	1.18	27	16	0.47	109	8	0.04	29	0.05	13	21	0.07	147	110
41	22S-500E	5	0.2	4.48	16	973	0.9	5	0.12	0.4	62	7	29	20	2.85	1.35	32	22	0.65	164	5	0.04	21	0.05	9	24	0.06	145	76
42	79N-600E	5	0.2	5.14	22	3746	1.2	5	0.97	2.8	76	12	36	53	3.42	1.51	32	21	0.61	231	6	0.07	55	0.11	87	67	0.07	152	1297
43	79N-650E	5	0.2	4.90	19	1273	0.9	5	0.14	0.5	63	8	23	14	3.27	1.42	31	16	0.53	242	7	0.04	19	0.06	15	24	0.09	139	123
44	700	5	0.6	5.70	28	1768	1.2	5	0.29	1.2	69	22	24	38	3.69	1.67	32	19	0.68	1311	7	0.05	34	0.10	17	28	0.08	161	133
45	800	5	0.4	2.12	15	799	0.5	5	2.29	1.0	52	7	20	20	1.47	0.47	14	8	0.35	839	5	0.03	23	0.14	5	52	0.05	67	123
46	850	5	0.2	4.43	14	1097	0.8	5	0.16	0.4	68	7	19	13	2.59	1.43	32	14	0.53	271	7	0.04	16	0.05	12	22	0.09	136	79
47	79N-900E	5	0.2	4.83	21	1286	0.8	5	0.13	1.0	64	9	19	10	2.67	1.60	30	14	0.59	448	4	0.04	15	0.08	12	22	0.08	133	108
48	79N-950E	5	0.2	4.82	25	1027	0.9	5	0.13	1.0	58	9	20	32	3.39	1.40	27	19	0.54	141	8	0.05	40	0.06	13	25	0.08	149	163
51	79N-1000E	5	0.4	5.35	8	1555	1.4	5	0.36	0.7	68	14	34	50	3.67	1.45	33	26	0.63	292	6	0.06	60	0.10	13	35	0.07	179	169
52	81N-600E	5	0.2	5.16	10	1291	1.0	5	0.10	0.2	56	8	22	24	3.42	1.63	29	20	0.55	134	8	0.06	36	0.05	22	25	0.08	153	132
53	650	5	0.2	4.58	8	1200	0.9	5	0.26	0.5	60	7	24	27	2.88	1.39	27	12	0.40	128	9	0.04	28	0.06	12	24	0.08	131	136
54	81N-700E	5	0.4	2.89	3	2071	0.7	5	2.38	2.1	58	8	26	28	2.44	0.65	19	11	0.39	325	2	0.04	30	0.17	7	66	0.06	87	49
55	81N-750E	5	0.2	4.52	13	1158	1.2	5	0.08	0.4	57	7	20	27	2.82	1.48	29	14	0.47	88	16	0.05	41	0.05	9	21	0.08	226	133
56	800	5	0.4	6.32	14	2298	1.7	5	0.82	0.9	77	14	32	76	3.58	1.70	31	22	0.63	494	10	0.06	73	0.11	20	39	0.08	204	179
57	850	5	0.2	3.76	12	930	0.8	5	0.11	0.2	59	5	18	14	2.14	1.25	28	12	0.44	112	10	0.04	19	0.04	7	21	0.08	157	80
58	81N - 900E	5	0.2	5.38	11	1884	1.2	5	0.53	0.8	74	9	26	39	2.99	1.49	30	20	0.64	311	7	0.05	60	0.09	13	31	0.08	175	100
59	83N-600E	5	0.2	3.04	6	1609	0.8	5	2.70	6.9	62	5	27	52	1.86	0.82	20	13	0.48	147	4	0.04	67	0.15	29	58	0.06	101	2461
60	83N-650E	5	0.2	4.29	12	964	0.8	5	0.17	0.4	62	7	30	15	2.94	1.14	32	21	0.64	195	6	0.04	22	0.06	16	23	0.08	138	123
61	700	5	0.2	3.29	4	758	0.8	5	0.07	0.2	49	6	30	21	2.51	1.03	27	12	0.36	130	9	0.03	17	0.04	6	18	0.05	135	77
62	750	5	0.2	3.94	2	958	0.9	5	0.09	0.2	54	6	27	28	2.69	1.27	28	10	0.34	96	13	0.04	33	0.04	9	20	0.07	168	108
63	800	5	0.2	4.48	2	1115	1.0	5	0.09	0.2	60	6	20	18	2.60	1.52	29	15	0.51	153	10	0.05	23	0.05	5	21	0.08	175	107
64	83N-850E	5	0.2	4.12	2	1009	0.8	5	0.09	0.2	58	5	18	16	2.34	1.38	29	12	0.44	114	9	0.04	21	0.04	6	21	0.09	176	97
65	83N-900E	5	0.8	6.46	2	2563	1.6	5	0.78	1.1	72	25	26	68	3.45	1.86	29	27	0.66	752	7	0.06	98	0.10	15	33	0.09	215	218
66	83N-950E	5	0.8	6.14	2	1786	1.6	5	0.51	0.9	70	13	25	56	3.58	1.80	31	20	0.61	295	12	0.06	74	0.11	11	32	0.08	207	191
67	92N-0E	5	0.2	3.20	4	1260	0.9	5	1.60	3.0	68	8	28	31	2.02	0.94	25	15	0.61	414	6	0.03	29	0.23	15	33	0.08	134	190
68	50	5	0.2	4.01	2	1142	0.9	5	1.06	3.9	74	7	28	24	2.44	1.13	29	23	0.81	503	4	0.04	24	0.15	25	27	0.09	142	344
69	92N-100E	5	0.2	4.30	2	1363	1.0	5	0.89	3.2	73	9	29	23	2.52	1.17	32	21	0.76	672	7	0.04	27	0.14	13	28	0.09	164	210
70	92N-150E	5	0.2	4.16	3	1484	1.2	5	0.59	2.3	75	10	37	28	2.58	1.05	32	21	0.60	340	4	0.04	39	0.10	29	22	0.08	132	316
71	200	5	0.4	3.96	2	1499	0.9	5	0.93	3.0	69	10	41	33	2.31	1.01	29	22	0.70	436	3	0.04	23	0.11	19	28	0.08	140	366
72	250	5	0.2	3.48	2	1618	1.1	5	1.88	6.3	78	6	35	48	2.31	0.84	32	22	0.73	321	1	0.03	38	0.17	15	31	0.08	110	893
73	300	5	0.2	4.79	2	2578	1.1	5	0.55	2.1	78	10	27	23	2.83	1.07	35	27	0.87	409	3	0.04	30	0.10	17	28	0.11	151	403
74	92N-350E	5	0.2	2.75	6	1916	0.9	5	2.06	2.6	64	7	24	25	1.66	0.68	22	13	0.49	361	4	0.03	28	0.17	17	39	0.06	110	216
75	92N-400E	5	0.2	2.94	4	3023	0.8	5	1.46	2.6	65	5	21	22	1.77	0.85	24	14	0.49	130	4	0.04	29	0.12	21	59	0.07	125	253
76	450	5	0.2	3.99	3	1314	1.1	5	1.38	5.0	74	8	24	28	2.67	1.22	29	20	0.69	537	4	0.04	42	0.13	33	24	0.08	131	899
77	500	5	0.2	4.98	6	1101	1.1	5	1.50	2.3	81	11	25	20	2.88	1.56	30	29	0.76	617	3	0.04	35	0.14	36	26	0.10	123	503
78	550	5	0.2	3.30	6	1157	0.8	5	2.87	3.6	73	8	25	20	1.89	1.15	28	16	0.48	464	3	0.04	28	0.11	26	34	0.07	91	274
79	92N-600E	5	0.2	4.10	7	2583	1.1	5	1.08	1.2	70	11	24	37	2.54	1.32	27	16	0.67	186	7	0.05	50	0.06	37	44	0.07	153	223
80	92N-650E	5	0.4	4.23	22	1405	1.1	5	0.30	0.3	54	10	32	52	4.02	1.33	27	18	0.57	106	36	0.04	82	0.06	26	26	0.05	278	284
81	700	5	1.2	3.57	17	1140	0.9	5	0.58	0.2	50	6	36	29	2.74	1.15	23	11	0.38	113	57	0.04	46	0.07	18	20	0.03	173	71
82	750	5	0.2	4.85	6	1732	1.0	5	0.75	0.7	71	20	49	30	2.70	1.27	28	18	0.63	1042	8	0.04	30	0.09	27	38	0.06	191	113
83	92N-800E	5	0.2	4.65	9	1214	1.0	5	0.10	0.2	55	7	32	20	2.73	1.45	28	15	0.52	209	7	0.04	27	0.05	11	22	0.06	209	114
84	97N-0E	5	0.2	3.92	10	1041	1.0	5	0.22	1.0	56	9	36	21	2.66	1.11	25	22	0.71	279	9	0.04	39	0.07	115	19	0.05	160	620

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
85	97N-50E *n SOIL	5	0.2	0.80	6	1112	0.4	5	3.32	3.1	42	3	19	40	0.75	0.24	9	6	0.34	77	2	0.03	119	0.12	2	52	0.01	47	82
86	100	5	0.2	4.03	13	1756	1.1	5	1.22	2.6	74	8	42	32	2.49	0.95	31	23	0.70	295	5	0.04	43	0.10	61	25	0.06	152	424
87	150	5	0.2	2.40	8	613	0.5	5	0.14	0.5	48	4	26	8	1.83	0.51	23	14	0.39	152	3	0.02	16	0.03	30	13	0.05	95	235
88	200	5	0.2	3.41	8	904	0.7	5	0.23	0.8	61	7	32	10	2.24	0.70	27	22	0.68	192	2	0.03	21	0.04	240	16	0.06	115	330
89	97N-250E	5	0.2	4.56	15	1342	1.1	6	0.50	2.4	78	9	42	15	2.77	1.01	34	23	0.66	637	4	0.04	32	0.08	97	20	0.06	151	831
90	97N-300E	5	0.2	4.56	10	1735	1.1	7	0.87	4.0	77	7	50	31	2.74	0.97	34	27	0.89	289	2	0.04	30	0.10	50	27	0.09	148	835
91	350	5	0.2	3.92	5	1407	1.0	5	0.62	2.4	66	9	38	21	2.34	0.87	29	24	0.86	289	4	0.03	30	0.06	47	21	0.06	130	689
92	400	5	0.2	4.37	2	1191	1.1	5	0.23	1.0	69	9	33	16	2.78	1.09	31	23	0.72	210	4	0.03	31	0.05	101	19	0.07	140	600
93	450	5	0.2	2.90	2	1807	0.8	5	0.67	1.7	58	6	33	14	2.02	0.66	23	15	0.45	385	3	0.03	21	0.06	229	38	0.04	104	707
94	97N-500E	5	0.2	3.66	6	7222	1.0	5	1.00	4.2	77	8	32	20	2.27	1.04	28	20	0.54	272	5	0.06	30	0.08	1092	225	0.06	119	2173
95	97N-550E	5	0.6	4.21	11	7008	1.1	5	1.30	5.1	80	9	36	29	2.69	1.27	30	22	0.68	398	7	0.06	37	0.12	1174	213	0.07	135	2505
96	600	5	0.6	4.29	9	3115	1.1	5	1.19	4.0	82	11	38	19	2.75	1.12	29	25	0.60	679	6	0.04	30	0.10	1462	52	0.07	145	2011
97	650	5	0.2	4.34	7	1632	1.2	5	0.61	1.8	78	10	36	14	2.71	1.19	31	21	0.60	360	4	0.04	35	0.05	233	21	0.07	145	604
98	700	5	0.2	3.84	5	1676	0.9	5	1.32	6.9	81	10	39	21	2.47	0.98	28	21	0.60	945	4	0.03	27	0.08	259	24	0.07	140	1102
101	97N-750E	5	0.2	3.27	2	1070	0.7	5	0.49	1.7	56	5	39	12	1.79	0.67	25	21	0.58	367	1	0.03	15	0.05	104	21	0.06	112	1283
102	97N-800E	5	0.2	3.46	2	808	0.8	5	0.39	0.5	56	9	29	13	3.08	0.58	18	24	0.55	691	5	0.02	28	0.05	61	13	0.05	125	167
103	850	5	0.2	2.48	2	1028	0.4	5	0.09	0.5	32	5	20	10	1.68	0.48	15	16	0.33	174	6	0.02	20	0.03	14	19	0.05	105	160
104	97N-900E	5	0.2	3.45	2	1500	0.6	5	0.58	1.4	57	5	28	10	1.82	0.93	24	15	0.47	194	3	0.03	17	0.05	104	20	0.07	140	764
105	10250N-0E	5	0.2	3.98	2	1161	0.8	5	0.60	1.9	65	6	35	18	2.51	1.14	27	21	0.74	335	4	0.04	24	0.12	13	24	0.09	143	210
106	10250N-50E	5	0.2	4.29	3	1437	1.2	5	0.80	5.4	79	10	36	33	2.86	1.06	33	26	0.88	602	3	0.03	33	0.13	22	23	0.08	151	540
107	10250N-100E	5	0.8	3.98	4	1678	1.4	5	1.19	6.1	82	14	36	47	3.00	0.81	34	22	0.87	1201	3	0.03	43	0.17	21	23	0.08	142	403
108	150	5	0.4	2.94	9	1079	0.6	5	0.15	0.6	57	5	26	9	2.11	0.76	28	19	0.58	220	3	0.03	15	0.04	19	15	0.07	110	140
109	200	5	0.2	3.85	7	1189	0.8	5	0.40	0.6	61	6	34	13	2.38	1.09	29	22	0.77	194	3	0.03	22	0.06	23	20	0.07	136	216
110	250	5	0.8	2.45	8	2250	0.8	5	2.48	3.5	63	8	31	29	1.66	0.59	22	14	0.70	451	3	0.03	26	0.18	13	28	0.04	94	239
111	10250N-300E	5	0.2	3.86	2	2556	0.8	5	1.15	3.2	58	8	48	26	1.97	1.11	23	19	0.60	529	3	0.04	25	0.10	15	31	0.05	164	321
112	10250N-350E	5	0.2	3.95	2	1789	1.0	5	1.27	5.1	73	9	41	35	2.55	1.07	30	20	0.80	704	3	0.04	29	0.14	29	27	0.07	146	467
113	400	5	0.4	3.78	2	2320	1.1	5	1.45	5.6	74	9	35	35	2.34	0.91	31	19	0.78	691	3	0.04	29	0.15	28	27	0.07	140	530
114	450	5	0.2	3.87	3	3017	1.2	5	1.32	6.1	82	11	33	37	2.72	0.89	32	20	0.79	1084	4	0.04	30	0.18	86	27	0.08	127	797
115	500	5	0.2	4.18	3	2498	1.1	5	1.11	8.6	77	9	33	32	2.74	1.06	31	24	0.86	486	3	0.04	31	0.11	115	27	0.09	150	1991
116	10250N-550E	5	0.2	4.03	3	4521	1.1	5	0.65	4.1	78	8	31	20	2.88	1.06	34	23	0.74	396	4	0.05	30	0.10	153	53	0.09	142	1990
117	10250N-600E	5	0.2	3.64	7	3236	1.0	5	1.47	4.1	71	8	29	24	2.49	1.19	27	19	0.67	442	5	0.04	32	0.12	120	49	0.07	134	1433
118	650	5	0.2	3.26	4	1736	0.8	5	0.91	2.3	73	11	27	19	2.63	0.91	25	20	0.59	633	5	0.03	31	0.07	80	22	0.07	127	728
119	700	5	0.2	2.96	15	6070	0.9	5	2.23	5.6	76	12	30	40	2.37	0.94	26	17	1.02	457	6	0.06	42	0.12	239	106	0.06	115	2170
120	750	5	0.2	3.62	3	990	0.8	5	0.11	0.2	53	5	30	19	2.70	1.11	26	14	0.40	82	8	0.03	30	0.04	15	20	0.05	182	201
121	10250N-800E	5	0.2	4.36	2	1639	1.0	5	0.09	0.4	49	7	32	19	2.77	1.35	28	15	0.45	128	7	0.04	27	0.04	10	23	0.06	196	122
122	105N-0E	5	0.2	2.62	9	657	0.8	5	4.96	0.7	54	8	24	20	1.94	0.85	21	15	3.14	384	6	0.04	27	0.08	14	30	0.05	112	131
123	50	5	0.2	4.52	4	1423	1.2	5	0.63	0.7	71	10	31	28	2.83	1.19	32	25	0.74	526	4	0.05	43	0.08	22	24	0.08	162	164
124	100	5	0.2	3.01	12	1018	0.9	5	4.66	1.1	62	8	24	20	1.86	0.83	23	17	3.01	534	2	0.04	21	0.07	17	27	0.06	100	134
125	150	5	0.2	2.86	9	631	0.8	5	5.08	0.8	60	8	22	20	1.77	0.92	22	17	3.34	397	4	0.04	25	0.07	18	29	0.06	110	165
126	105N-200E	5	0.2	2.77	17	604	0.8	5	6.25	0.3	57	8	21	21	1.71	0.87	20	16	4.04	343	5	0.04	27	0.08	17	35	0.05	110	114
127	105N-250E	5	0.2	3.80	4	1219	1.0	5	1.55	1.2	67	8	28	24	2.22	1.10	25	21	0.77	386	5	0.04	32	0.11	21	24	0.08	141	248
128	300	5	0.2	4.23	5	1176	1.1	5	1.08	1.1	73	8	28	25	2.53	1.25	29	23	0.90	309	4	0.04	36	0.09	33	22	0.08	149	199
129	350	5	0.2	3.66	7	793	1.0	5	0.83	1.4	76	8	26	17	2.55	1.10	28	22	0.86	600	4	0.03	29	0.08	44	18	0.08	124	334
130	400	5	0.2	2.87	12	821	0.9	5	3.93	1.5	73	7	25	18	2.02	0.86	28	20	2.61	463	3	0.03	25	0.08	133	22	0.06	105	418
131	105N-450E	5	0.2	3.29	10	1562	1.0	5	2.42	2.3	78	10	37	33	2.06	1.06	27	19	1.03	564	4	0.04	31	0.12	106	33	0.05	120	662

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
132	105N–500E SOIL	5	0.2	4.19	3	1234	1.1	5	0.81	1.2	77	9	32	20	2.91	1.26	32	24	0.85	917	5	0.03	30	0.09	134	19	0.07	135	390
133	550	5	0.2	3.97	2	1061	1.0	5	0.46	0.2	73	8	30	16	2.76	0.95	33	25	0.82	362	2	0.03	27	0.06	20	17	0.08	128	168
134	600	5	0.2	3.07	14	822	1.0	5	4.96	0.8	81	9	25	25	2.26	0.98	27	20	3.21	1013	4	0.04	27	0.12	30	24	0.06	112	255
135	650	5	0.2	2.31	16	850	0.8	5	10.16	0.2	50	7	18	19	1.65	0.94	14	13	5.78	454	3	0.04	17	0.08	13	92	0.05	68	87
136	105N–700E	5	0.2	4.27	9	1144	1.2	5	1.29	0.5	85	11	33	21	3.43	1.07	33	23	0.78	1058	8	0.03	37	0.10	71	21	0.08	159	247
137	105N–750E	5	0.2	3.76	9	1524	1.1	5	1.67	1.1	81	10	31	29	2.87	1.03	31	21	0.83	815	7	0.04	41	0.12	46	24	0.07	152	324
138	800	5	0.2	3.21	6	1829	0.7	5	0.42	3.4	78	9	25	15	2.22	0.90	32	18	0.56	625	3	0.03	20	0.05	36	27	0.08	122	929
139	850	5	0.2	3.36	8	1409	0.8	5	0.25	0.7	67	8	25	9	2.35	1.05	29	20	0.67	245	4	0.03	19	0.04	42	22	0.08	126	358
140	900	5	0.2	5.66	16	2741	1.4	5	0.40	1.3	67	19	27	55	4.25	1.78	29	21	0.64	211	11	0.07	96	0.07	26	43	0.07	230	372
141	105N–950E	5	0.2	3.79	5	1462	1.0	5	0.18	0.2	55	10	35	18	2.85	0.96	28	22	0.57	192	5	0.03	30	0.04	23	20	0.07	144	187
142	430 – D TALUS FINE	5	0.2	7.35	2	1739	1.4	5	0.31	0.2	68	12	30	50	3.96	2.26	32	23	0.69	222	5	0.08	38	0.08	36	44	0.07	170	109
143	430 – A R ROCK	5	0.2	0.28	2	3741	0.2	5	0.19	8.6	13	2	177	76	0.45	0.13	3	4	0.01	66	5	0.02	7	0.04	51	18	0.01	12	3648
144	B	5	0.2	0.15	2	130	0.2	5	0.31	1.4	12	2	156	13	0.31	0.07	1	4	0.04	55	8	0.01	5	0.02	25	9	0.01	8	1361
145	C	5	0.2	0.22	2	6167	0.2	5	0.02	9.6	13	2	204	52	0.48	0.12	5	5	0.01	74	11	0.03	7	0.05	1043	1411	0.01	9	4266
146	E	5	0.2	0.03	16	296	0.3	5	18.04	3.5	69	3	30	16	0.06	0.04	1	5	0.07	73	3	0.03	5	0.03	48	81	0.01	27	2418
147	F	5	0.2	0.07	2	12000	0.2	5	0.25	3.9	10	2	177	34	0.31	0.09	4	6	0.01	32	5	0.05	9	0.04	201	92	0.01	6	3650
148	G	5	0.2	0.06	2	12000	0.2	5	0.02	1.2	5	2	193	136	0.32	0.08	3	7	0.01	27	4	0.05	8	0.01	157	154	0.01	9	629
151	H	5	0.2	0.08	12	863	0.2	6	0.06	55.5	8	6	117	179	0.23	0.03	5	6	0.01	65	17	0.01	12	0.30	422	10	0.01	9	32000
152	I	5	0.2	0.08	2	686	0.2	5	0.01	0.9	5	1	188	29	0.38	0.04	1	6	0.01	28	5	0.01	5	0.01	918	11	0.01	4	448
153	J	5	0.4	0.22	2	8067	0.2	6	0.01	0.9	17	1	170	10	0.42	0.14	7	5	0.02	16	10	0.04	7	0.01	6024	1082	0.01	8	258
154	K	5	0.2	0.14	2	9231	0.2	5	0.10	2.2	11	2	256	43	0.42	0.10	4	8	0.01	41	8	0.04	9	0.02	418	81	0.01	8	1119
155	L	5	0.2	0.45	2	536	0.2	5	0.19	3.3	10	1	133	9	0.41	0.21	2	4	0.04	36	6	0.01	7	0.02	82	10	0.01	15	1415
156	M	5	0.8	0.13	2	836	0.2	5	0.02	0.6	5	1	196	8	0.30	0.07	1	5	0.01	37	5	0.01	5	0.01	11000	21	0.01	5	36
157	N	5	0.2	0.45	2	328	0.2	5	0.52	3.0	17	1	154	35	0.30	0.21	2	6	0.04	37	9	0.01	4	0.02	76	7	0.02	17	1902
158	O	5	0.2	0.12	2	4139	0.2	5	0.03	3.5	5	1	229	28	0.53	0.07	3	4	0.01	161	7	0.02	9	0.01	86	30	0.01	7	1072
160	P	5	0.2	0.05	11	303	0.2	8	0.01	128.2	5	1	169	1169	0.25	0.02	2	4	0.01	17	20	0.01	6	0.45	185	130	0.01	6	50000
161	Q	5	14.4	0.08	6	1067	0.2	5	0.01	1.4	21	1	46	22	0.20	0.04	7	2	0.01	8	5	0.01	3	0.01	30000	2078	0.01	1	245
163	R	5	0.2	3.18	2	1227	0.9	5	0.04	0.5	30	1	41	19	0.83	1.09	17	6	0.21	18	11	0.04	20	0.03	242	23	0.08	311	272
165	S	5	0.2	4.99	2	1705	1.1	5	0.19	0.2	50	6	31	37	1.93	1.63	26	8	0.33	36	21	0.06	45	0.04	94	34	0.12	208	83
167	T	5	0.2	0.49	2	4339	0.2	5	0.06	0.2	13	1	164	4	0.38	0.24	6	7	0.04	28	8	0.02	5	0.01	1554	182	0.02	12	161
168	U	5	0.2	0.44	2	7916	0.2	5	0.07	0.2	25	2	116	8	0.41	0.22	10	7	0.04	29	5	0.04	8	0.01	65	1723	0.03	28	23
169	V	5	0.2	0.43	2	2728	0.2	5	0.06	0.2	10	1	195	9	0.56	0.20	4	7	0.04	51	12	0.02	10	0.01	35	114	0.02	51	25
170	430 – W	5	0.2	0.08	14	794	0.2	5	11.16	5.9	75	2	57	15	0.19	0.06	3	5	0.03	121	3	0.03	8	0.04	18	219	0.01	19	2497
171	431 – A	5	0.2	0.30	7	13000	0.3	11	0.03	0.6	25	7	180	14	0.27	0.20	13	10	0.03	49	8	0.06	11	0.01	209	632	0.01	14	30
172	B	5	0.2	0.11	20	479	0.4	5	30.40	0.2	33	5	14	18	0.11	0.08	1	6	0.20	114	4	0.04	10	0.02	7	161	0.01	42	21
173	C	5	0.2	0.19	2	8508	0.2	6	0.55	23.8	30	2	154	36	0.32	0.13	9	5	0.02	38	8	0.04	8	0.09	226	1105	0.01	8	8982
174	D	5	0.2	0.08	11	1028	0.2	5	12.14	0.7	71	2	37	10	0.08	0.07	2	4	0.03	73	2	0.03	5	0.02	20	173	0.01	23	500
175	E	5	0.2	0.35	11	300	0.3	5	14.98	2.7	67	3	33	19	0.26	0.19	1	5	0.08	163	3	0.03	6	0.03	11	103	0.01	32	1293
176	F	5	0.4	0.10	2	6192	0.2	5	0.83	1.0	34	1	93	18	0.28	0.06	8	4	0.01	18	4	0.03	6	0.01	3	1422	0.01	6	278
177	G	5	0.8	0.26	4	6370	0.2	7	1.13	4.1	30	2	101	326	0.39	0.15	6	6	0.02	39	5	0.04	6	0.02	560	141	0.01	20	2016
178	H	5	0.2	1.55	2	6858	0.4	5	0.10	9.6	13	1	109	17	0.52	0.74	8	10	0.15	23	9	0.04	8	0.05	112	203	0.04	45	3693
179	I	5	0.2	0.35	2	9382	0.2	5	0.17	14.1	12	2	161	58	0.46	0.21	5	4	0.02	34	5	0.04	9	0.06	55	116	0.01	15	6230
180	J	5	0.2	0.55	23	504	0.5	5	26.67	0.2	46	4	17	17	0.43	0.29	1	7	0.31	61	3	0.05	11	0.03	2	218	0.02	41	50
181	K	5	3.6	0.16	20	2903	0.2	11	0.05	57.5	11	6	182	609	0.44	0.06	6	9	0.02	45	10	0.02	14	0.24	6427	142	0.01	18	24000
182	431 – L R	5	0.8	0.23	4	2471	0.2	6	0.38	10.7	19	1	188	205	0.40	0.11	4	9	0.02	38	8	0.02	7	0.05	2921	32	0.01	15	4430

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
																													9309-020 Pg. 5 of 5
183	431 – M (acc.	5	0.8	0.10	12	2149	0.2	5	0.09	39.2	9	1	203	412	0.42	0.05	3	7	0.01	27	17	0.01	10	0.17	918	235	0.01	15	17000
184	N	5	0.2	0.07	2	1607	0.2	5	0.04	4.3	5	1	257	50	0.30	0.04	1	7	0.01	30	11	0.01	7	0.01	182	23	0.01	14	1340
185	O	5	0.8	0.15	12	1181	0.2	9	0.79	41.3	25	2	180	145	0.38	0.08	3	7	0.02	38	17	0.01	15	0.18	7532	41	0.01	17	19000
186	P	5	0.2	0.27	2	1511	0.2	5	0.03	0.4	6	1	195	14	0.38	0.13	2	8	0.02	55	8	0.01	6	0.01	994	34	0.02	20	163
187	Q	5	0.2	0.07	30	80	0.5	5	31.42	0.2	47	4	15	18	0.11	0.07	1	7	0.21	108	4	0.05	10	0.02	54	191	0.01	42	99
188	R	5	0.2	0.23	27	1589	0.5	5	29.01	0.2	59	5	14	17	0.16	0.16	1	7	0.28	62	7	0.05	11	0.02	16	156	0.01	41	21
189	S	5	0.8	0.07	2	3451	0.2	8	0.58	2.6	68	1	13	27	0.05	0.04	17	2	0.01	13	1	0.03	4	0.02	69	7252	0.01	6	785
190	T	5	0.2	0.13	2	5653	0.2	5	0.09	13.4	8	1	278	361	0.35	0.08	3	7	0.01	29	12	0.03	15	0.04	263	130	0.01	32	4091
191	U	5	0.2	0.28	2	14000	0.2	5	0.04	0.5	23	7	272	20	0.57	0.19	12	9	0.02	56	6	0.06	19	0.01	264	382	0.02	17	115
192	V	5	0.2	0.21	2	9803	0.2	5	0.11	0.3	15	3	302	11	0.53	0.14	7	7	0.01	39	14	0.04	14	0.01	70	87	0.01	13	98
193	431 – W	5	0.2	0.17	2	2958	0.2	5	0.06	0.2	8	1	208	9	0.44	0.08	3	8	0.01	33	5	0.02	9	0.01	778	33	0.01	16	85
194	432 – A	5	0.4	6.19	2	1143	1.4	5	0.85	0.2	76	6	41	86	3.02	2.27	30	14	0.71	114	25	0.08	42	0.05	12	36	0.15	156	55
196	B	5	0.2	0.15	23	354	0.5	5	29.77	0.2	40	5	11	77	0.19	0.10	1	7	0.29	89	4	0.05	9	0.02	2	286	0.01	39	6
197	C	5	0.2	0.15	23	394	0.4	5	29.18	0.2	41	4	11	39	0.08	0.10	1	6	0.17	104	4	0.04	7	0.02	2	209	0.01	38	28
198	D	5	0.2	0.20	34	193	0.5	5	16.09	0.2	76	7	17	45	0.14	0.13	7	7	9.91	75	3	0.05	7	0.02	2	90	0.01	33	7
201	E	5	0.2	0.19	39	149	0.6	5	16.45	0.2	73	10	15	31	0.14	0.11	8	10	9.75	272	2	0.04	8	0.02	6	80	0.01	35	15
202	F	5	0.2	0.19	22	138	0.5	5	29.70	0.2	36	5	11	26	0.08	0.12	1	7	0.23	55	4	0.04	7	0.02	2	150	0.01	41	7
203	G	5	0.2	0.12	2	7150	0.2	7	0.34	0.5	20	2	46	21	0.28	0.06	5	3	0.10	14	3	0.04	7	0.01	2	167	0.01	9	432
204	H	5	0.2	0.42	2	7712	0.2	5	0.06	4.7	13	2	148	40	0.42	0.19	5	5	0.04	23	8	0.04	7	0.03	449	83	0.02	18	1572
205	I	5	0.2	0.49	6	8104	0.2	5	0.89	0.7	42	2	76	10	0.51	0.24	11	7	0.04	26	1	0.04	7	0.01	11	983	0.03	20	60
206	J	5	0.2	0.21	3	8227	0.2	6	0.09	2.2	20	2	137	89	0.38	0.10	6	7	0.02	67	3	0.04	9	0.01	108	822	0.01	15	869
207	K	5	0.2	0.27	2	9896	0.2	6	0.12	0.2	16	2	172	8	0.46	0.17	6	6	0.01	29	6	0.05	8	0.01	329	105	0.01	5	67
208	L	5	0.2	0.61	2	7870	0.2	5	0.06	0.6	23	2	162	8	0.64	0.29	10	8	0.05	23	8	0.04	9	0.01	154	1086	0.03	45	172
209	M	5	0.2	0.09	4	5440	0.2	6	0.04	45.1	17	2	163	235	0.33	0.07	5	6	0.02	22	6	0.03	9	0.15	110	671	0.01	7	17000
210	N	5	0.2	0.25	4	6339	0.2	5	0.01	5.9	12	2	261	147	0.49	0.07	4	11	0.01	46	11	0.03	9	0.03	273	51	0.01	12	3149
211	O	5	6.0	0.21	18	421	0.3	10	0.34	80.2	26	7	79	148	0.24	0.04	9	7	0.03	37	9	0.01	7	0.29	551	872	0.01	13	29000
212	P	5	0.2	0.05	20	11000	0.4	5	22.14	0.2	70	5	29	20	0.06	0.11	2	7	0.09	120	5	0.08	11	0.02	109	428	0.01	36	479
213	Q	5	0.2	0.07	10	1208	0.2	6	6.98	1.3	71	3	58	10	0.20	0.06	6	6	0.02	55	3	0.03	5	0.01	205	108	0.01	15	280
214	R	5	0.2	0.83	2	7331	0.2	5	0.17	0.6	21	2	112	5	0.41	0.40	9	7	0.07	22	4	0.04	7	0.01	142	217	0.03	19	108
215	S	5	0.2	0.31	2	8916	0.2	5	0.04	5.1	14	3	190	17	0.50	0.16	6	6	0.01	34	10	0.04	12	0.02	138	154	0.01	10	1752
216	T	5	0.4	0.41	2	7138	0.2	5	0.02	1.0	20	2	194	11	0.52	0.17	9	7	0.03	30	13	0.04	9	0.01	4339	1172	0.03	14	452
217	U	5	0.2	0.34	2	9256	0.2	5	0.08	0.4	19	2	231	6	0.41	0.19	8	7	0.03	25	13	0.04	10	0.01	514	681	0.02	13	133
218	V	5	0.2	0.21	2	7612	0.2	5	0.02	0.4	19	2	206	7	0.59	0.13	7	6	0.02	32	5	0.04	9	0.01	488	1196	0.01	10	133
219	432 – W	5	0.2	1.81	2	900	0.5	5	0.07	0.2	19	1	130	4	0.31	0.63	10	4	0.12	16	13	0.03	15	0.01	26	18	0.04	90	23
221	433 – A	5	0.2	3.97	2	1717	1.2	5	0.17	1.3	44	7	38	22	0.79	1.44	25	11	0.27	45	15	0.05	32	0.03	13	25	0.10	501	74
223	433 – B ∝ ↓	5	0.2	3.71	2	1555	0.8	5	0.17	0.6	39	4	37	12	0.81	1.32	20	6	0.24	22	16	0.05	36	0.03	7	24	0.09	223	247

NORANDA EXPLORATION COMPANY, LIMITED

PROJECT # 155

LAB REPORT # _____

N.T.S. 94G/12

DATE SEPT 8/93.

PROJECT PROFIT

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% Sulph.	TYPE	WIDTH (m)								SAMPLED BY
430 A	Silic. alt. (prV) lst + qtz-barite veining + hydrozincite.		grab									
430 B	Silicified lst (s.c.)		grab									
430 C	Blk, fg, silic. lst with barite/qtz veins & galena.		grab									
430 D	Tuffs fine - black shale		.									
430 E	Massive bedded lst - non fossil		chip	0.6m								
430 F	Fg, silic, d. grey lst + qtz/barite veinlets + hydrozincite.		chip	0.75m								
430 G	Same as 430 F		chip	0.75m								
430 H	Silic - white speckled unit (15% white frags) tve zinc zone		chip	0.5m								

Nose Showing

NORANDA EXPLORATION COMPANY, LIMITED

PROJECT # 155

LAB REPORT # _____

N.T.S. 94G/12

DATE Sept 8/93

PROJECT PROFIT

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% Sulph.	TYPE	WIDTH (m)								SAMPLED BY
430 I	Silic lst, 5% baite vein lets +/- qtz-bitumen veins		chip	1.7m								
430 J	Cg, baite vein bx in silic lst. Hydrozincite + galena.		chip	1.25m								
430 K	Massive, fg, perv. silic lst + hydrozincite.		grab									
430 L	Fg, silic, grey, lst + qtz/cc veins + hydrozinc.		grab									
430 M	Boulder-silic-grey lst-2% gn		grab									
430 N	Same as 430-L											
430-O	Fg, blk, silic-lst & hydrozinc on fracs + bitumen.		grab									

NORANDA EXPLORATION COMPANY, LIMITED

PROJECT # 155

LAB REPORT # _____

PROJECT PROFIT

N.T.S. 94G/12

DATE Sept 8/93

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% Sulph.	TYPE	WIDTH (m)								SAMPLED BY
430-P	Hi grade from 430-M-Mass. sph/qtz/fluorite/baryte		grab		] Nose showing.							
430-Q	Cg baryte galena veins in fg, silic lst		grab		]							
430-R	Fg blk, fissile shales		grab									
430-S	As above.		"									
430-T	Silic, fg, d.grey lst thenalite. Bitumen in qtz veins		grab									
430-U	Silic lst. 5% baryte veinlets		grab									
430-V	Silic, matrix supported bx		grab									
430-W	Blk, fg, fossil-lst thydrozinc on fracs + in cg, baryte VNS		grab									

NORANDA EXPLORATION COMPANY, LIMITED

PROJECT # 155

LAB REPORT # _____

N.T.S. 94G/12

DATE Sep-8/93

PROJECT PROFIT

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% Sulph.	TYPE	WIDTH (m)								SAMPLED BY
431 A	Silic. dark grey rock. 5-10% baite, 1% bitumen.		grab									
431-B	Fg. fossil, grey Dunedin lst. Minor qtz veinlets.		grab									
431-C	Silic lst + baite vns; bxted. Hydrozinc on fracs. Baite		grab									
431-D	Localized hydrozinc, sphal?(2%) + baite, cc vns in silic lst.		grab									
431-E	Hydrozinc/cc coated fracs in lst.		grab									
431-F	Silic alt lst + hydrozinc		grab									

NORANDA EXPLORATION COMPANY, LIMITED

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LAB REPORT # _____

PROJECT PROFIT

N.T.S. 94G/12

DATE Sept 8/93.

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% Sulph.	TYPE	WIDTH (m)								SAMPLED BY
431-G	Silic, brted lst ± hydroxinc on fracs + Barite/qtz veins		grab									
431-H	Silic lst - 2% sphal		grab									
431-I	Pervasilic alt, frac lst + hydroxinc on fracs + in vugs		grab									
431-J	Non silic, fossil, Dunedin lst		grab									
431-K	25-30% vfg, diss, red sphal. in vfg, blk, silic lst + acicular barite xtals		chip	0.6m								
431-L	≈ 5%, vfg, diss sphal in fg, blk silic, lst + qtz frac fillings		chip	0.35m								
431-M	Same as 431-K plus cg barite vns ± galena		chip	0.6m								

Wolverine Showing

NORANDA EXPLORATION COMPANY, LIMITED

PROJECT # 155

LAB REPORT # _____

N.T.S. 94G/12

DATE Sept 8/93

PROJECT PROFIT

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% Sulph.	TYPE	WIDTH (m)								SAMPLED BY
431-N	Footwall to above. Vfg, grey, silic lst + <5% qtz stringers		chip	0.5m								
431-O	Blk, fossil, lst + bitumen. Hydrozinc on fracs, vugs. Gn in barite vns		chip	0.7m								
431-P	Fg, grey, silic lst. Minor acicular barite/qtz vnlets.		chip	1.6m								
431-Q	Fossil, nonsilic lst.		grab									
431-R	Nonsilic, fg, grey massive lst		grab									
431-S	Cg barite + gn clots - Local hydrozinc.		chip	1.0m								
431-T	Silic, fg, grey lst + 1-4mm barite veinlets; Hydrozinc. Bitumen in qtz vns. Malachite stain.		chip	2.5m								

Wolverine Showing

Alpha Showing

NORANDA EXPLORATION COMPANY, LIMITED

PROJECT # 155

LAB REPORT # _____

N.T.S. 94G/12

DATE Sept 8/93

PROJECT PROFIT

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% Sulph.	TYPE	WIDTH (m)								SAMPLED BY
431-U	Silic lst, rusty, limonitic.		chip	2.0m	]							
431-V	" " , 15% baite veins		chip	1.5m	]	ALPHA SHOWING						
431-W	Dark grey, silic lst, 5% baite veins		chip	3.0m	]							
432-A	Blk, fissile shales		grab									
432-B	Fossil, calc, carbonaceous lst		grab									
432-C	Non silic, mass. grey stone lst		"									
432-D	Fg, massive stone dolostone		"									
432-E	", light grey dolostone + minor hydrozincite.		grab									
432-F	Massive, grey, calc. lst.		grab									
432-G	Baite vein material in silic, brted stone lst.		grab									

NORANDA EXPLORATION COMPANY, LIMITED

PROJECT # 155

LAB REPORT # _____

N.T.S. 94G/12

DATE Sept 8/93

PROJECT PROFIT

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% Sulph.	TYPE	WIDTH (m)								SAMPLED BY
432-H	Silic, bxted, baritе veined lst + hydrozinc.		chip	1.5m								
432-I	As above		grab									
432-J	Silic lst, baritе veined - Hydrozincite + galenaon fracs		chip	1.5m								
432-K	Silic lst crackle bx. 20% qtz, 5% baritе		grab									
432-L	Blk, silic, bxted lst c baritе veins c gn + bitumen		grab									
432-M	V. silic, blk, fg lst c hydrozincon fracs + cg baritе veins		grab									
432-N	Silic, fg blk, bxted lst c baritе, qtz veining + bitumen, py, limonite, hydrozinc + galena		grab		VANTAGE Showings							

NORANDA EXPLORATION COMPANY, LIMITED

PROJECT # 155

LAB REPORT # _____

N.T.S. 94G/12

DATE Sept 8/23

PROJECT PROFIT

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% Sulph.	TYPE	WIDTH (m)								SAMPLED BY
432-O	Cg, barite vein (+/- cc). Cg, diss gn & fg, diss sphal	c	chip	0.6m								
432-P	HW of 432-O. Silic, grey-blk lst ± mod. cc veining		chip	1.0m								
432-Q	Stone lst + minor hydrozincon fracs.		grab									
432-R	Silic, fossil lst. 20% barite veins		grab									
432-S	Frac, fg, silic, baited lst ± cg barite ± fg gn veinlets. Hydrozincton		chip	6.5m								
432-T	Barite veined bx zone in silic, blk, lst.		chip	1.5m								
432-V	Silic lst		chip	2.0m								

VANTAGE SHOWING.

VANTAGE SHOWING.

NORANDA EXPLORATION COMPANY, LIMITED

PROJECT # 155

LAB REPORT # _____

N.T.S. 94G/12

DATE ~~Sept~~ 8/73.

PROJECT PROFIT

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% Sulph.	TYPE	WIDTH (m)								SAMPLED BY
432-V	Med grey, silic lst, 5-10% cg bande		chip	1.3m	VANTAGE STRIKING.							
432-W	Black shales		grab									
433-A	Black, fissile, non lined shales		grab									
433-B	As above		grab									

APPENDIX III

STATEMENT OF COSTS

NORANDA EXPLORATION COMPANY, LIMITED
STATEMENT OF COSTS

PROJECT: **PROFIT** DATE: **SEPTEMBER 14, 1993**

TYPE OF REPORT: **GEOCHEMICAL/GEOLOGICAL**

a)	Wages:		
	No. of Mandays :	22	
	Rate per Manday:	$285.00	
	Dates From :	August 28 to September 7, 1993	
	Total Wages :	22 x $285.00	$ 6,270.00
b)	Food & Accomodations:		
	No. of Mandays :	22	
	Rate per Manday:	$30.71	
	Dates From :	August 28 to September 7, 1993	
	Total Costs :	22 x $30.71	$ 675.59
c)	Transportation:		
	No. of Mandays :	22	
	Rate per Manday:	$10.02	
	Dates From :	August 28 to September 7, 1993	
	Total Costs :	22 x $10.02	$ 220.53
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)	Camp Supplies :		$ 314.91

f)	Analysis: 206 Samples (See attached schedule)	$ 1,761.00
g)	Cost of preparation of Report:	
	Author : $240.00/manday	$ 240.00
	Drafting: $220.00/manday	$ 220.00
	Typing : $180.00/manday	$ 180.00
h)	Other:	
	Contractor: **CANADIAN HELICOPTERS**	
	4.1 hrs @ $850.00/hr including fuel & oil	$ 3,480.52
	TOTAL COST	$13,362.55
i)	Unit Costs for GEOLOGY	
	No. of Mandays: 11 mandays	
	No. of Units : 11 mandays	
	Unit Costs : $527.34/manday	
	Total Cost : 11 x $527.34	$ 5,800.78
j)	Unit Costs for GEOCHEM	
	No. of Mandays: 11	
	No. of Units : 206 samples	
	Unit Costs : $36.70/sample	
	Total Cost : $360.70 x 206	$ 7,561.78
	GRAND TOTAL	**$13,362.78**

NORANDA EXPLORATION COMPANY, LIMITED
(CORDILLERA DIVISION)

DETAILS OF ANALYSES COSTS

PROJECT: PROFIT

ELEMENT	NO. OF DETERMINATIONS	COST PER DETERMINATION	TOTAL COSTS
Pb, Zn	135 soils	$6.00/sample	$ 810.00
Pb, Zn	1 talus fine	$6.00/sample	$ 6.00
ICP + Geochem Au	70 rocks	$13.50/sample	$ 945.00
		TOTAL COST:	**$1,761.00**

APPENDIX IV

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, 1979 and a permanent employee since November, 1987.

D. Graham Gill

ALPHA SHOWING

WOLVERINE SHOWING

NOSE SHOWING

1987 GRID

1986 GRID

L110W

L100W

L90W

L80W

L5N

L0N

L10S

L20S

L30S

L40S

5200

5800

5500

4800

4300

4000

99

0m 500m 1000m 1500m

LEGEND

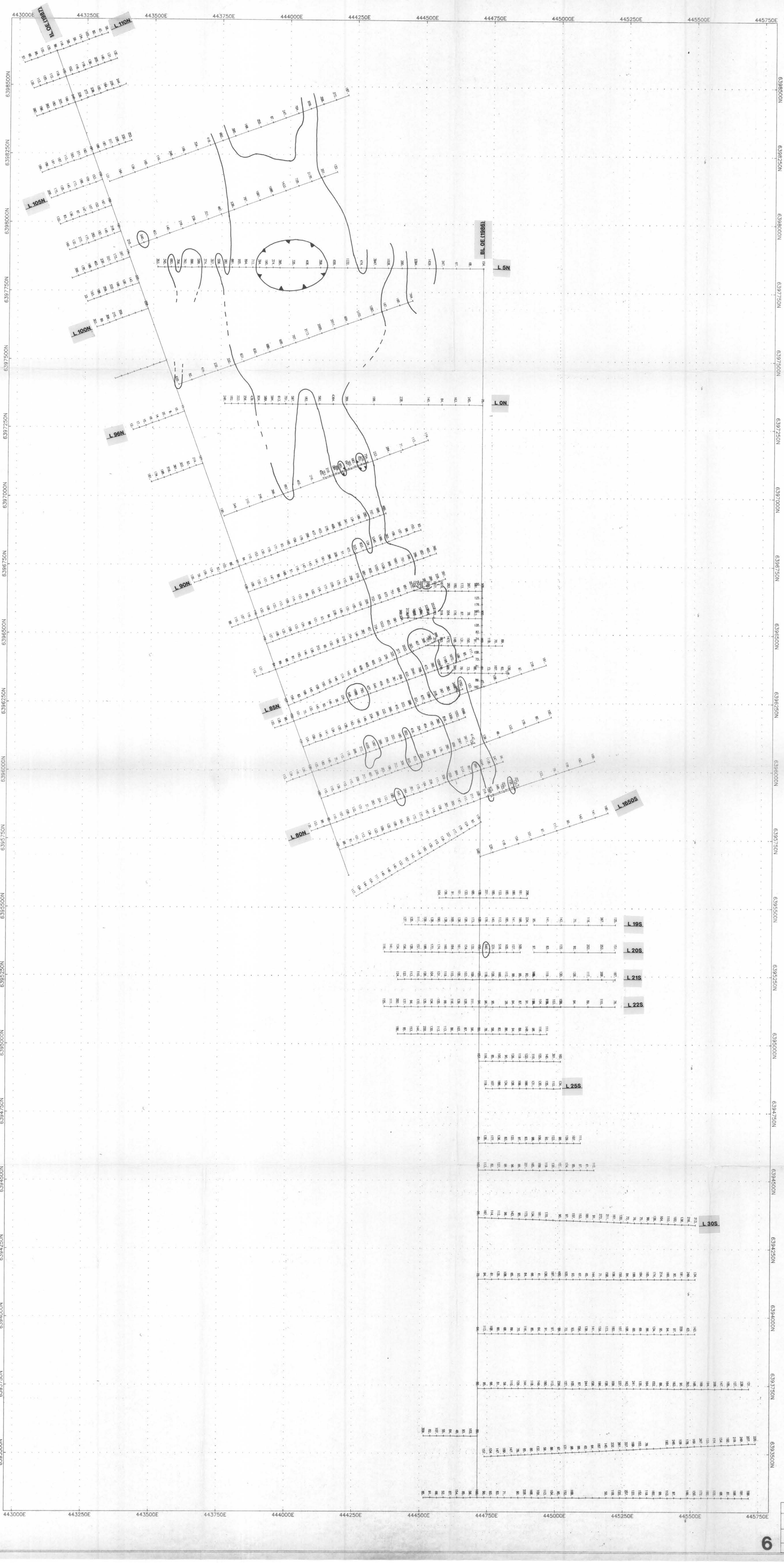
4	SILICEOUS BRECCIA
3	BESA RIVER FORMATION: Shales, siltstone, silty limestone
2	DUNEDIN FORMATION: Limestone; dolostone; argillaceous limestone
1	STONE FORMATION: Massive, light grey, medium crystalline dolostones & limestones

- ROCK SAMPLE
- FLOAT SAMPLE
- TALUS FINE
- CLAIM POST
- BEDDING
- ANTICLINE AXIAL TRACE
- OUTCROP
- CONTACT
- SUBCROP
- CREEK

GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,178

REVISED	**PROFIT PROPERTY**
	GEOLOGY
PROJ. No.	SURVEY BY: G.G DATE: SEPT./93
N.T.S.	DRAWN BY: G.G SCALE: 1:10,000
DWG. No. 5	**NORANDA EXPLORATION**
	OFFICE



GEOLOGICAL BRANCH
ASSESSMENT REPORT

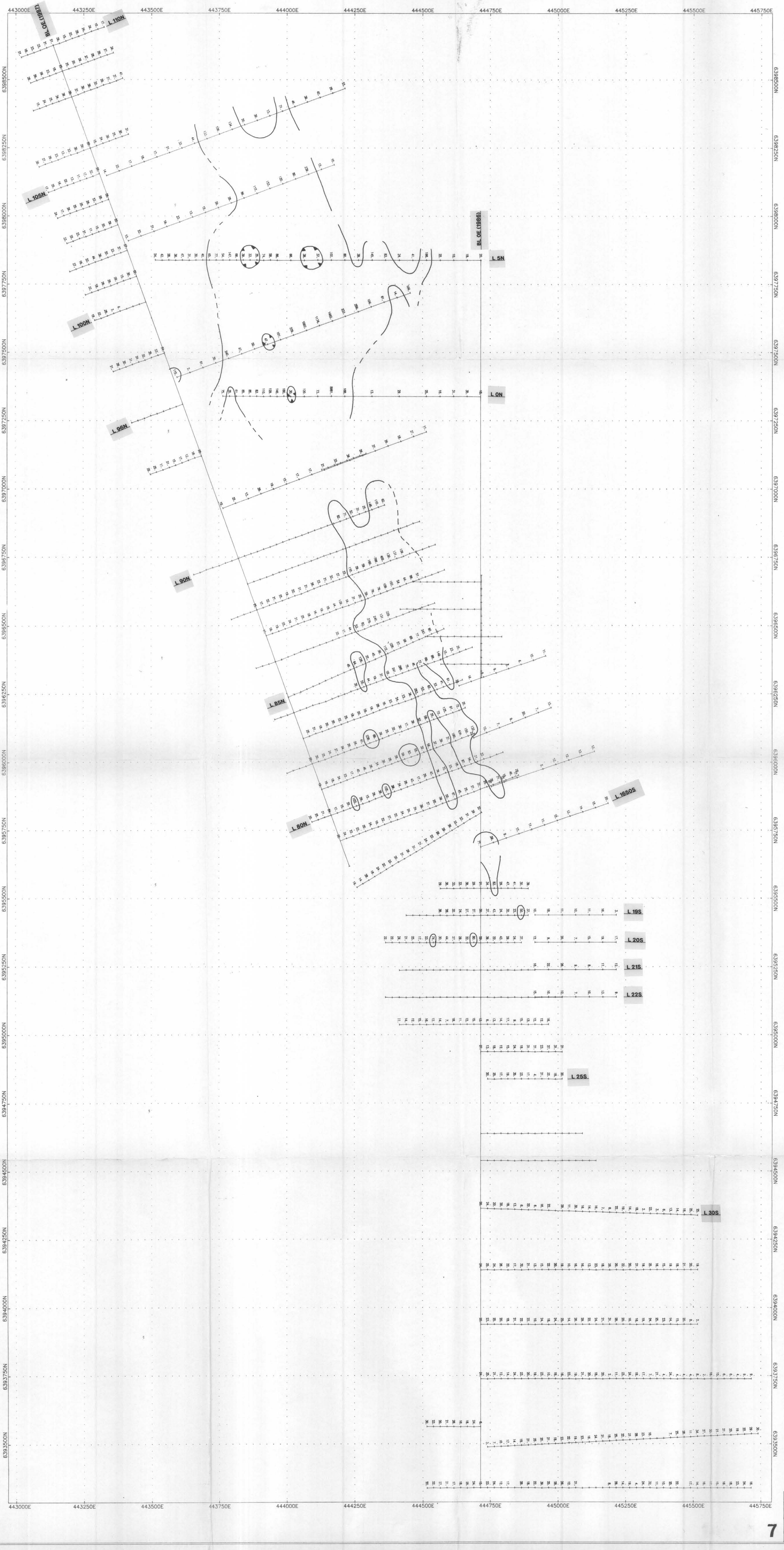
23,138

CONTOUR INTERVAL
= 500ppm

Scale 1:5000
100 0 100 200 300
(meters)

ZINC
(ppm)

PROFIT
Grid Soil Geochemistry 1986, 1987, 1990, 1993 Sampling
ZIP File : PROFIT Prefix : PROF- Processed By : R.Fenton Date : Oct. 14,1993
NORANDA EXPLORATION COMPANY, LIMITED



GEOLOGICAL BRANCH
ASSESSMENT REPORT

23,138

CONTOUR INTERVAL
= 50ppm

Scale 1:5000
100 0 100 200 300
(meters)

Pb
(ppm)

PROFIT
Grid Soil Geochemistry 1986, 1987, 1990, 1993 Sampling
ZIP File : PROFIT Prefix : PROF- Processed By : R.Fenton Date : Oct. 14,1993
NORANDA EXPLORATION COMPANY, LIMITED