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NORANDA EXPLORATION CO. LTD.

FILE NO:

GEOLOGICAL, GEOCHEMICAL, & GEOPHYSICAL REPORT

ON THE

ALPHA & BETA CLAIMS

CARIBOO MINING DIVISION

N.T.S. 93 J 13

SITUATED AT COORDINATES: 54° 55' N
123° 50' W

NORANDA EXPLORATION COMPANY, LIMITED

(no personal liability)

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

22,022

REPORT BY: TERRY WALKER
TED WONG

DECEMBER, 1991

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SUMMARY

The Alpha-Beta claims are owned by Mr. E.S. Peters of Vancouver, B.C. The claims were staked to cover favourable ground in the area of the recently discovered Mount Milligan Cu-Au porphyry system. The properties are located 25 km southeast of the Mount Milligan deposit. The regional geology indicates that these two properties are underlain by the Upper Triassic to Lower Jurassic Takla Group volcanics and sediments. The Dighem IV airborne Mag-EM ground magnetometer and geological surveys indicate the presence of several intermediate intrusive stocks and dykes on the Alpha Grid and possibly one intrusive body on the Beta Grid.

During the summer of 1991, Noranda Exploration Company, Limited completed additional soil geochem, ground magnetic and IP/Res. surveys on the Alpha Group as follow up and definition of geochem/IP anomalies indicated by 1990 recon surveys. The soil geochem coverage on the Beta Group was also extended east to cover the rest of the Beta 3 and 4 claims.

Norex surveys to date on the Alpha Group have outlined a NW-SE trending belt of magnetic anomalies, which are flanked to the NE by Cu-Au soil anomalies up to 400 m wide and ranging up to 950 ppb Au, 1090 ppm Cu, 4.8 ppm Ag and 650 ppm Zn. Moderate to strong increases in polarization up to 600 m wide have also been detected along the NE flank of the magnetic trend as well as at the intersections of inferred E-W and NE-SW structure. Some of these anomalies are in part coincident with Cu-Au soil anomalies.

Geological mapping and prospecting on the Alpha Group has revealed small outcrops of propylitically altered py, po, trace cpy mineralized volcanics and magnetite enriched diorite to monzonite intrusives in several of these anomalous areas. In the main, however, the geophysical/soil geochem anomaly areas are covered with moderate thicknesses (5 m+) of overburden.

Norex geochem surveys to date on the Beta Group have largely proved negative in the main due to thick fluvioglacial cover. Previous ground magnetic surveys have however, indicated several anomalies which still remain to be explained.

Recommended additional work on the property should consist of a 8-9 hole diamond drill program to test a combination of the priority geochem/mag/IP anomalies outlined on the Alpha Group plus a test overburden drilling and basal till sampling program peripheral to the mag anomalies on the Beta Group.

INTRODUCTION

The property consists of 2 groups of contiguous claims, the Alpha (56 units) and the Beta (76 units). The area is presently the site of strong exploration activity as a result of the newly discovered Mount Milligan Cu-Au porphyry deposit.

Recon soil geochem, geology, airborne mag-EM and IP/Res prior to 1991 have indicated that all the relevant parameters required for development of an alkali Cu-Au porphyry deposit are present in the property.

This report describes the procedures and results of follow up soil geochem, geological, magnetic and induced polarization surveys conducted by Noranda and Pacific Geophysics during the 1991 field season.

LOCATION & ACCESS

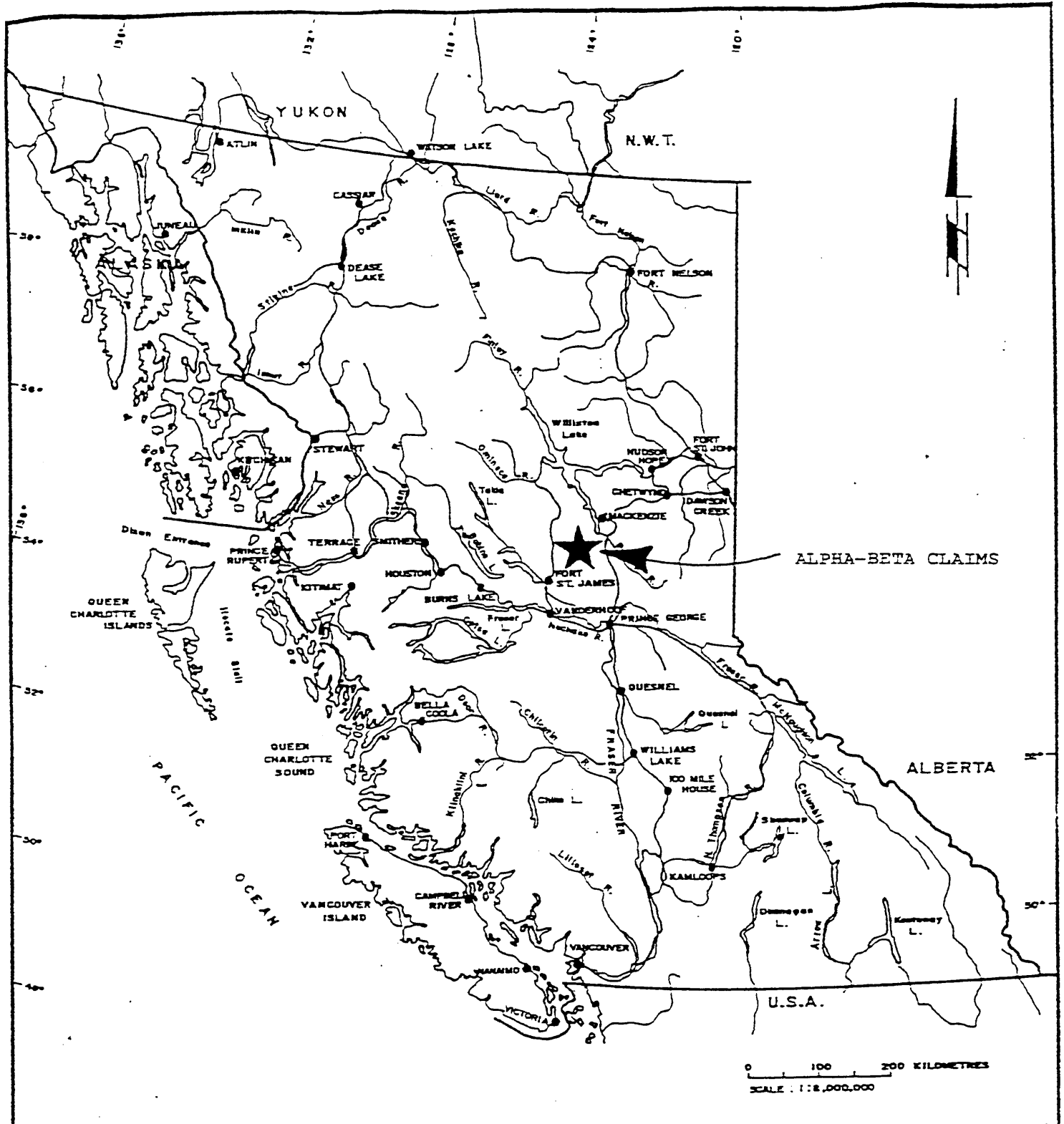
The Alpha - Beta claims are located along the Salmon River approximately 50 km north-northeast of Fort St. James. Access to the Beta property can be gained via the '400' logging road which joins the Germansen Road approximately 60 km north of Fort St. James. The '400' road passes through the southern boundary of the Beta claims. Access to the western part of the Alpha claims is by logging roads off the Philips mainline which is accessed from Hwy 97 N. at Windy Point.

CLAIM STATISTICS

<u>NAME</u>	<u>UNITS</u>	<u>RECORD #</u>	<u>RECORD DATE</u>	<u>OWNER</u>
Alpha 1	20	8337	April 3, 1987	E.S. Peters
Alpha 2	16	8338	April 3, 1987	E.S. Peters
Alpha 3	20	8339	April 3, 1987	E.S. Peters
Beta 1	20	8340	April 3, 1987	E.S. Peters
Beta 2	16	8341	April 3, 1987	E.S. Peters
Beta 3	20	8342	April 3, 1987	E.S. Peters
Beta 4	20	8343	April 3, 1987	E.S. Peters

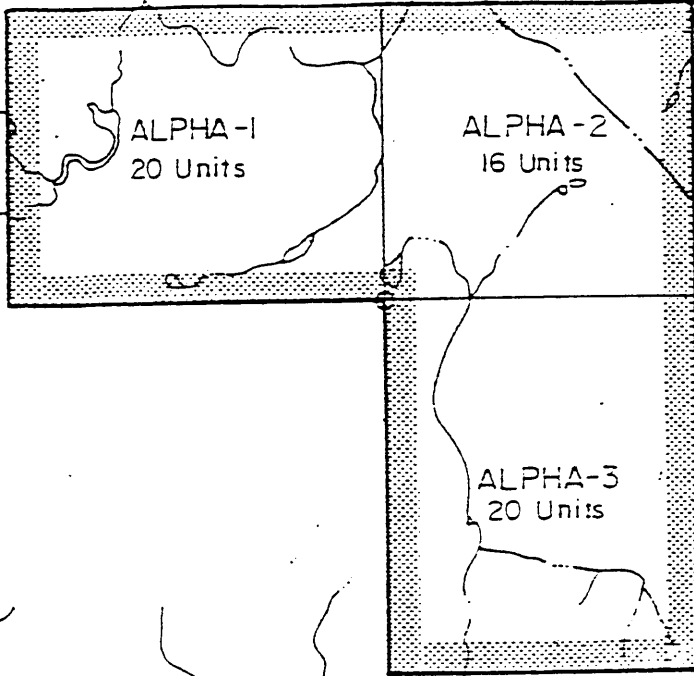
TOPOGRAPHY & VEGETATION

The elevation in the area ranges from 923 to 1140 metres in heavily wooded and rolling topography dominated by gravel outwash plains, eskers and drumlins. There are some areas of marketable timber on both claim blocks, but only one area on the NE corner of the Alpha claim block has been clearcut to date.

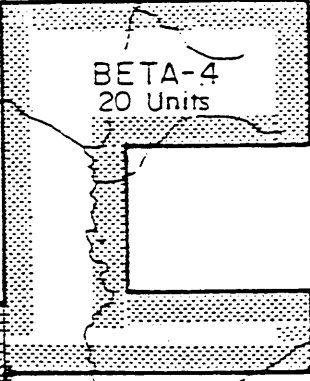
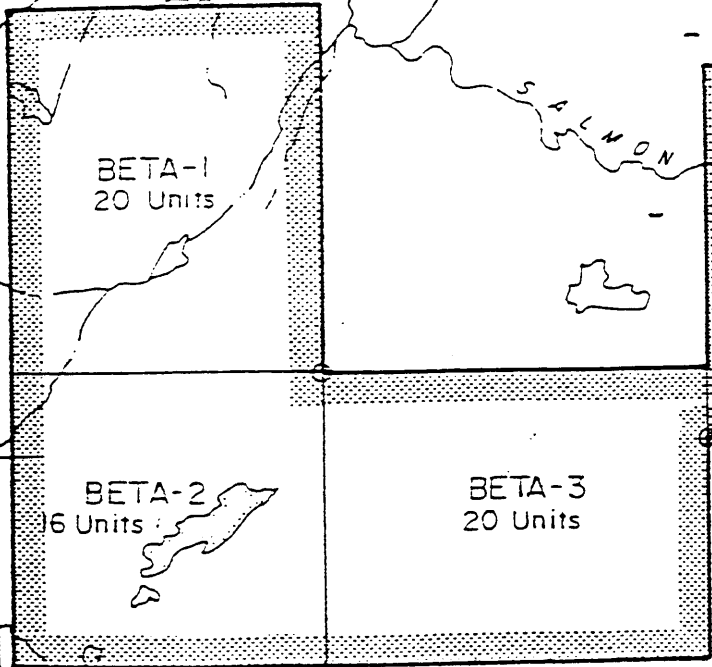


REVISED	ALPHA-BETA CLAIMS	
	LOCATION MAP	
PROJ. No.	SURVEY BY: T. Walker	DATE: Mar. /91
N.T.S.	DRAWN BY: S.K.B.	SCALE: 1:8,000,000
DWG. No.	NORANDA EXPLORATION	
1	OFFICE: PRINCE GEORGE, B.C.	

VAICAL 11927



OMINECA M.D.
CARIBOO M.D.



SALMON

RIVER

54° 55'

123° 45'

REVISED	ALPHA - BETA CLAIMS
	CLAIM MAP
PROJECT No.	SURVEY BY: _____ DATE: Mar. /91
K.T. 83-3	DRAWN BY: _____ SCALE: 1-50 000
DWG. No.	NORANDA EXPLORATION
2	OFFICE: Prince George

PREVIOUS WORK

The earliest known work on the property was placer gold prospecting along the Salmon River. No successful placer operation was ever established. An airborne EM and mag survey was flown by Questor under contract to Selco Exploration in 1981 over parts of the Salmon River claims. Ground follow up EM and mag was conducted the following year and a target on the property was subsequently drilled.

The first program on the Alpha - Beta property was conducted in 1987 under the supervision of John R. Poloni. This program consisted of prospecting, recon soils, pan concentrates and stream silts.

Noranda Exploration Company, Limited optioned the property in early 1989 and since then has conducted a series of recon, prospecting, soil geochemistry, airborne Mag-EM, ground magnetic and IP/Resistivity surveys, primarily on the Alpha Group claims.

REGIONAL GEOLOGY

The area has most recently been described by J. E. Armstrong in G.S.C. Memoir 252, Fort St. James Map-Area in 1949. The area is also covered by G.S.C. Map 971A by H. M. A. Rice, 1949 (Geology of Smithers - Fort St. James Area).

The Alpha-Beta claims lies along the western edge of the Quesnel Trough, a fault bounded litho-stratigraphic package of Upper Triassic to Lower Jurassic Takla Group volcanics and sediments which have been intruded by a series of felsic to ultramafic stocks and batholiths, ranging in age from Upper Triassic to Lower Cretaceous.

The Takla group volcanics and sediments include alkalic andesitic to basaltic flows, tuffs, tuff breccia and agglomerates interbedded with conglomerates, greywacke, shales and limestones. The intrusive rocks include the Hogem batholith and several other Omineca intrusions consisting of granite, syenite, granodiorite, quartz diorite, diorite, gabbro and pyroxenite.

The area is cut by numerous fault structures locally trending northwest, parallel to the Pinchi Fault which forms the western boundary of the Quesnel Trough. These may be sub-parallel splay or complimentary tensional and transverse structures trending north-south to east-west.

PROPERTY GEOLOGY

Outcrop on the property is generally sparse due to extensive and locally thick drift cover. A few scattered outcrop areas are however, present on the southern half of the Alpha 2 and the north half of the Alpha 3 claims. These consist primarily of pristine to propylitically altered feldspar and augite porphyritic andesite to trachyte flows and minor fragmentals. Propylitic alteration is accompanied by up to 2-5 % pyrite + - pyrrhotite and trace chalcopyrite in several outcrops just north of the small lakes on lines 15200E and 15600E, north of the creek on line 14,800E and around and south of the base line between line 15,400 and 16,000E. This latter area also contains outcrops of magnetite and py bearing diorite to quartz-feldspar monzonite and local gabbro and is within the NW-SE trend of magnetic highs. Prominent topographic breaks and strongly developed foliation in the volcanics (termed chlorite schist on Figure 3) indicate well developed sets of NW-SE and NE-SW faults cut the local geology. The bulk of the intrusive outcrops and associated magnetic highs appear to coincide with the intersections of these two structural trends. This tends to imply multi-stage development of these structures which has important implications for hydrothermal system development.

GEOCHEMISTRY

Method -

During the 1991 field season, Noranda personnel collected 218 soil samples on the Alpha grid and 394 soil samples on the Beta grid. The samples were taken from the "B" horizon at 50 metre intervals along lines 200 metres apart. The samples were placed in kraft paper bags, dried and shipped to Acme Analytical Laboratories Ltd., 852 E. Hastings St., Vancouver, B.C. The samples were analyzed for 30 elements by ICP and gold by geochem. The copper and gold results are plotted on Figures 4 & 5 (in pockets at the rear of this report) and the results are listed in Appendix IV.

Observations -

Alpha:

The additional samples collected during 1991 extended previous coverage south of base line 20,000N and infilled between L13,600E and 14,800E. Cu and Au values were of similar range and threshold as in the previous years survey but no significant new

anomalous zones were detected. The data does, however, show a SE extension of copper values between L15,600E and 16,200E just south of base line 20,000N.

The completed data coverage emphasizes the concentration of Cu and Au soil anomalies along the NE flank of the magnetic trend (Figure 9) and in two areas in particular, ie between lines 15,200E and 16,200E from approximately 19600N to 20,500N and lines 14,800E to 16,200E from approximately 20,700N to 21,800N.

Both areas contain scattered outcrop of propylitically altered volcanics, the former flanking a diorite-monzonite intrusive, the later occurring at the confluence of two structural breaks.

Beta:

This seasons extension survey over the east half of the Beta 3 and Beta 4 claims appears to have suffered from the same heavy overburden masking problems as the previous years work. Cu and Au values are generally low with few values greater than 75 ppm Cu or 10 ppb Au. What few anomalous samples there are, are spotty.

GEOPHYSICS

During July 1991, a geophysical program consisting of 8.7 km of time-domain induced polarization survey and 30.8 km of ground magnetic survey was completed on the Alpha grid. This program completed the 400 m. line spaced IP coverage started in 1990 and supplimented it with 200 m. line spaced magnetic coverage.

Instrumentation -

The I.P. survey was carried out by Pacific Geophysical under contract to Noranda Exploration Co. Ltd. and employed a BRGM IP6 time-domain receiver and a Phoenix Geophysics transmitter. A 50 meter pole-dipole array was used with readings recorded down to the fifth separation (n=5). The I.P. data is presented in pseudo-section form at a scale of 1:5000 (see appendix V) and in plan form as Fraser filtered chargeability and resistivity maps (Figures 7 and 8).

The magnetometer survey employed a field and base station package manufactured by Scintrex, Ltd. of Concord, Ontario. The IGS/MP-3 system records the Total Magnetic Field with a field accuracy of 1 to 2 nano Teslas. All applicable corrections have

been applied to the data to maintain this accuracy. Readings were recorded at 12.5 meter intervals.

Discussion of Survey Results -

The 1990 I.P. results are incorporated with the 1991 discussions. Lines surveyed in 1990 are: 13200E, 13600E, 15200E, 15600E.

The most significant I.P. responses occur on L.15600E where two very strong sources are centred at 21175N and 21375N and are considered first priority targets at these locations. The sources appear quite shallow at a depth of surface to possibly 12 meters. These two sources appear to deepen and narrow at 21300N and 21450N on L.16000E.

A discrete, narrow, strong response also occurs on L.16000E at 20075N with an estimated depth of 12 meters.

Other targets of merit occur at L.13200E at 21325N (depth=60 meters) and 21600N (depth=surface?).

The chargeability plan map shows a broad NW - SE trend of moderate responses with secondary NE - SW trends. These trends are also reflected in the resistivity plan map.

The NW - SE trend can also be seen in the intense magnetics responses which flanks the moderate chargeability responses. Structural features(?) represented by the indicated NE - SW trends cuts through the high magnetics.

CONCLUSIONS

Norex reconnaissance surveys to date have outlined a NW-SE trending belt of moderate to intense magnetic anomalies across the Alpha claims which are flanked, especially to the NE, by Cu-Au soil anomalies. These anomalies are up to 400 m wide and range in value up to 950 ppb Au, 1090 ppm Cu, 4.8 ppm Ag and 650 ppm Zn.

Moderate to strong increases in polarization up to 600 m wide were also detected on the Alpha claims. These anomalies occur in a NW trending belt along the NE flank of the magnetic anomalies and at the intersection of E-W and NE-SW trending structure in the NE quadrant of the Alpha 2 claim. Both anomaly areas are in part, coincident with soil Cu-Au geochem anomalies.

Geological mapping and prospecting has revealed small outcrops of propylitically altered py, po, trace cpy mineralized volcanics and magnetite enriched diorite to monzonite intrusives in several of these anomalous areas. In the main, however, the geophysical/soil geochem anomaly areas are covered with moderate thicknesses (5 m+) of overburden.

Exploration to date on the Beta claims has failed to identify any significant Cu-Au anomalies in the surficial materials covering the claims, however, one intriguing thumb print mag anomaly has been outlined which still requires explanation.

RECOMMENDATIONS

A diamond drill program consisting of approximately 900 m. in 8 or 9 holes is recommended to test the stronger IP and Cu-Au soil anomalies on the Alpha 1 and 2 claims (Figure 9). In addition, a reconnaissance, deep overburden drill program, ie a section of 4 or 5 holes is recommended to further evaluate the mag anomaly on the Beta 2 and Beta 3 claims.

REFERENCES

- Armstrong, J.E., 1949: G.S.C. Memoir 252, Fort St. James Map Area.
- Hewton, R.S., 1985: Results of examination of the Windy property. Brinco Limited BCDM Ass. Rpt # 14449.
- Poloni, J.R., 1988: Report on the Alpha and Beta Claims, on behalf of E.S. Peters, Owner. BCDM Ass. Rpt # 17216.
- Price, S., 1987: Geochemical, Geophysical and Trenching Report. Placer Dome Inc. BCDM Ass. Rpt # 16597.
- Walker, T., 1991: Geochemical, Geophysical Report. BCDM Ass. Rpt.

APPENDIX I
STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES

ALPHA GROUP :

1.	Grid Preparation -		
	Flagged Line, 11.0 km @ \$125/km	\$	1,375.00
	Cut Line, 9.0 km @ \$450/km		4,050.00
	Camp & Supplies, 28 man days @ \$50/day		1,400.00
	Truck Rental, 7 days @ \$50/day		350.00
	sub-total :	\$	7,175.00
2.	Geological Survey -		
	Geologist, 4 md @ \$195/day	\$	780.00
	Assistant, 4 md @ \$125/day		500.00
	Camp & Supplies, 8 md @ \$50/day		400.00
	Truck Rental, 4 md @ \$50/day		200.00
	Assays, 27 rocks @ \$14.75/sample		398.00
	sub-total :	\$	2,278.00
3.	Geochemical Survey -		
	Sample Collection, 6 man days @ \$125/day	\$	750.00
	Camp & Supplies, 6 man days @ \$50/day		300.00
	Truck Rental, 2 days @ \$50/day		100.00
	Analysis - 218 soils @ \$13.75/sample		2,997.00
	sub-total :	\$	4,147.00
4.	Geophysical Survey -		
	Contract IP, 8.7 km @ \$1225/km	\$	10,657.00
	Contract Mag, 30.8 km @ \$75/km		2,310.00
	Camp & Supplies, 36 md @ \$50/day		1,800.00
	sub-total :	\$	14,767.00
5.	Report Preparation -		
	Geologist, 2 days @ \$275/day	\$	550.00
	Geophysicist, 3 days @ \$175/day		525.00
	Drafting		150.00
	Typing		75.00
	sub-total :	\$	1,300.00
	Alpha Total :	\$	29,667.00

STATEMENT OF EXPENDITURES

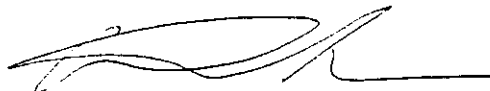
BETA GROUP :

1.	Grid Preparation -		
	Flagged Line, 26.5 km @ \$125/km	\$	3,312.00
	Cut Line, 1.5 km @ \$450/km		675.00
	Camp & Supplies, 17 man days @ \$50/day		850.00
	Truck Rental, 5 days @ \$50/day		<u>250.00</u>
	sub-total :	\$	5,087.00
2.	Geochemical Survey -		
	Sample Collection, 10 man days @ \$125/day	\$	1,250.00
	Camp & Supplies, 10 man days @ \$50/day		500.00
	Truck Rental, 3 days @ \$50/day		150.00
	Assays - 394 soils @ \$13.75/sample		<u>5,417.00</u>
	sub-total :	\$	7,317.00
3.	Report Preparation -		
	Geologist, 1 day @ \$275/day	\$	275.00
	Drafting		150.00
	Typing		<u>75.00</u>
	sub-total :	\$	500.00
	Beta Total :	\$	12,904.00

STATEMENT OF QUALIFICATIONS

I, Terence Walker, of Prince George, British Columbia hereby certify that:

1. I am a graduate of University College, London with a B.Sc. degree in Geology (1968) and a graduate of McGill University, Montreal with an M.Sc. in Mineral Exploration (1978).
2. I have practiced my profession with various mining companies in Europe and North America since graduation.
3. I am currently employed as a Senior Project Geologist working for Noranda Exploration Company, Limited.
4. I am a member of the Canadian Institute of Mining and Metallurgy, the Geological Association of Canada, the Prospectors and Developers Associations and the British Columbia and Yukon Chamber of Mines.
5. The information contained in this report is based on published and unpublished reports on the property and surrounding area, and on work done by Noranda.
6. I have no current interest in the property.



Terence Walker
Sr. Project Geologist

APPENDIX III
ANALYTICAL PROCEDURE

ANALYTICAL PROCEDURE

Soils, Silts, Rocks

The samples are dried and screened to -80 mesh. Rock samples are pulverized to -120 mesh. A 0.2 gram sample is digested with 3 ml of $\text{HClO}_4/\text{HNO}_3$ (4 to 1 ratio) at 203°C for four hours, and diluted to 11 ml with water. A Leeman PS 3000 is used to determine elemental contents by I.C.P. Note that the major oxide elements and Ba, Be, Ce, Ga, La and Li are rarely dissolved completely from geological materials with this acid dissolution method.

For Au analyses, a 10.0 gram sample of -80 mesh material is digested with aqua regia and determination made by A.A.

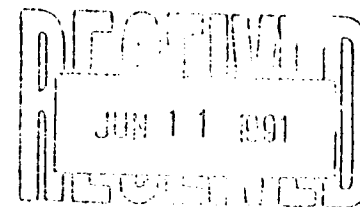
Heavy Mineral Concentrates

The entire concentrate is digested in aqua regia solution, and elemental concentrations of Au, Ag, Cu, Pb, and Zn are determined by A.A.

APPENDIX IV
ANALYTICAL RESULTS

NORANDA VANCOUVER LABORATORY

Geochemical Analysis



Project Name & No. ALPHA - 288

Geol.: T.W.

Date received: JUNE 03

LAB CODE: 9106-011

Material: 72 SOILS

Sheet: 1 of 2

Date completed: JUNE 06

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

□ Organic, Δ Humus, S Sulfide

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

ICP - 0.2 g sample digested with 3 ml HClO₄/HNO₃ (4:1) at 203 °C for 4 hours diluted to 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.

file: Alpha-288
copy to Terry

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 %	Ga ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
2	15000E-18900N	5	0.4	2.64	3	168	0.5	5	0.74	0.2	52	6	54	16	2.66	27	0.31	21	14	0.36	254	1	0.05	12	0.09	7	115	0.19	114	56
3	18950	5	0.4	2.60	2	166	0.4	5	0.87	0.2	56	5	56	13	2.06	28	0.36	23	12	0.39	256	1	0.05	9	0.07	6	128	0.21	100	42
4	19000	5	0.2	2.92	8	195	0.6	5	0.81	0.2	48	10	66	36	3.21	27	0.33	19	18	0.70	403	1	0.04	25	0.08	8	110	0.19	112	59
5	19050	5	0.4	2.86	4	198	0.6	5	0.78	0.3	47	8	60	25	3.04	27	0.31	18	19	0.62	303	1	0.05	21	0.05	10	115	0.19	104	52
6	15000E-19100N	20	0.6	3.69	4	204	0.7	5	0.87	0.5	54	12	70	31	4.50	33	0.38	23	40	0.80	585	1	0.05	23	0.30	10	120	0.21	142	119
7	15000E-19150N	5	0.4	3.78	10	190	0.8	5	1.04	0.6	83	13	79	34	4.87	35	0.38	36	36	0.82	378	2	0.05	22	0.24	12	152	0.23	157	133
8	19200	5	0.4	3.49	2	174	0.7	5	1.06	0.6	64	10	70	29	3.70	33	0.36	26	28	0.63	323	1	0.04	17	0.09	10	157	0.22	144	149
9	19250	5	0.4	2.45	3	134	0.5	5	0.98	0.4	42	7	63	23	2.91	28	0.20	14	13	0.51	270	1	0.04	18	0.11	7	138	0.19	115	52
10	19300	70	0.4	3.19	2	140	0.5	5	0.79	0.3	52	4	62	14	3.19	30	0.25	22	15	0.35	228	1	0.04	9	0.12	7	125	0.24	129	64
11	15000E-19450N	5	0.2	2.52	5	162	0.5	5	0.98	0.3	44	9	64	28	3.00	26	0.27	17	15	0.59	311	2	0.04	20	0.13	4	133	0.19	111	64
12	15000E-19500N	5	0.2	3.08	2	178	0.6	5	0.96	0.2	49	9	79	34	3.09	26	0.32	18	19	0.71	369	2	0.05	21	0.07	2	139	0.21	115	72
13	19550	5	0.2	3.16	2	198	0.6	5	0.92	0.2	42	9	80	37	3.01	28	0.30	16	16	0.86	352	1	0.04	28	0.08	4	133	0.21	112	67
14	19600	5	0.8	2.58	2	159	0.4	5	0.91	0.2	44	6	64	24	2.87	27	0.24	17	12	0.49	259	2	0.05	15	0.09	3	135	0.23	115	46
15	19650	5	0.2	2.94	3	219	0.6	5	1.19	0.2	52	9	79	44	2.92	30	0.29	15	16	0.67	498	2	0.05	21	0.10	3	159	0.23	117	68
16	15000E-19700N *□	5	0.4	2.53	2	201	0.5	5	1.07	0.3	47	8	71	32	2.97	28	0.27	17	14	0.62	340	2	0.04	19	0.08	5	143	0.22	115	56
17	15000E-19750N	5	0.2	2.74	2	204	0.5	5	1.14	0.2	52	8	74	31	2.97	29	0.30	20	14	0.73	372	2	0.05	21	0.10	4	152	0.24	120	61
18	19800	5	0.4	2.42	2	188	0.5	5	1.09	0.4	46	7	64	28	2.94	29	0.28	17	12	0.57	306	2	0.04	17	0.11	4	147	0.24	118	63
19	19850	5	0.2	2.64	2	185	0.7	5	1.02	0.5	47	13	59	48	2.75	28	0.26	18	12	0.59	988	2	0.04	21	0.11	6	135	0.21	107	61
20	19900	5	0.4	3.23	4	191	0.7	5	1.16	0.6	53	10	61	45	3.37	32	0.33	21	19	0.85	403	1	0.04	24	0.10	6	155	0.24	127	75
21	15000E-19950N	5	0.4	3.44	8	281	0.9	5	1.20	0.5	54	17	81	72	3.84	37	0.43	22	22	0.99	695	2	0.05	32	0.11	9	160	0.23	146	73
22	15000E-20000N	5	0.2	2.96	2	233	0.7	5	0.99	0.6	57	14	67	34	3.19	32	0.43	23	18	0.70	525	2	0.05	23	0.14	6	135	0.21	122	82
23	15400E-18800N	5	0.2	2.89	2	209	0.6	5	1.03	0.3	55	9	78	22	2.98	33	0.35	21	18	0.62	337	1	0.05	19	0.11	4	145	0.23	121	63
24	18850	5	0.6	3.17	9	173	0.6	5	1.09	0.4	49	11	94	30	3.55	33	0.28	19	26	0.87	394	2	0.05	35	0.13	2	137	0.25	126	111
25	18900	5	0.4	2.78	7	190	0.6	5	1.02	0.6	45	9	61	33	3.60	32	0.28	16	20	0.70	343	1	0.05	25	0.10	4	137	0.21	128	52
26	15400E-18950N	5	0.8	3.51	11	186	0.8	5	0.88	0.3	53	12	52	41	4.61	33	0.38	21	27	0.81	423	3	0.05	25	0.17	19	130	0.23	147	83
27	15400E-19000N	5	0.4	3.47	9	179	1.0	5	1.00	0.5	75	13	48	50	4.04	37	0.34	38	42	0.73	413	2	0.05	21	0.13	7	140	0.23	135	157
28	19100	25	1.4	4.54	5	234	1.8	5	1.09	0.6	126	13	42	75	3.75	40	0.36	71	53	0.88	692	3	0.04	41	0.12	13	124	0.17	110	88
29	19150	5	0.6	3.20	4	162	1.1	5	0.93	0.5	85	8	45	35	2.81	34	0.30	44	31	0.63	459	1	0.04	20	0.06	8	131	0.19	97	66
30	19200	5	0.4	2.74	2	155	0.8	5	0.83	0.5	85	7	48	21	2.37	32	0.35	37	26	0.58	334	2	0.04	16	0.04	8	120	0.19	90	79
31	15400E-19250N	5	0.4	3.24	2	197	0.8	5	0.89	0.2	63	7	70	30	2.76	30	0.36	28	19	0.67	450	1	0.05	19	0.06	3	126	0.20	104	72
32	15400E-19300N	5	0.6	3.57	2	218	0.9	5	1.06	0.3	76	10	67	48	3.33	33	0.42	33	22	0.73	655	1	0.05	25	0.07	3	140	0.21	118	89
33	19350	5	0.4	3.17	9	152	0.6	5	1.34	0.2	51	10	61	36	4.86	36	0.27	20	26	0.66	321	2	0.05	21	0.08	6	167	0.25	170	105
34	19400	5	2.2	3.38	4	180	1.1	5	2.11	2.1	80	11	46	91	3.10	39	0.23	35	28	0.52	1538	1	0.04	25	0.10	6	223	0.18	99	147
35	19450	5	0.4	3.07	14	131	0.6	5	0.78	0.2	53	10	49	40	5.24	31	0.23	21	31	0.70	375	2	0.04	17	0.09	5	116	0.21	172	86
36	15400E-19500N	5	0.2	2.77	2	130	0.6	5	0.91	0.2	46	13	51	30	4.69	33	0.21	18	24	0.80	510	2	0.05	19	0.09	3	117	0.26	192	120

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 %	Ga ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm	9108-011 Pg. 2 of 2
37	15400E-19550N	5	0.4	2.85	2	164	0.5	5	1.05	0.2	59	9	59	34	3.55	33	0.30	23	20	0.55	1071	2	0.05	18	0.07	4	141	0.24	146	72	
38	19600	5	0.6	3.41	4	192	0.6	5	1.17	0.2	55	14	61	32	4.07	36	0.29	22	25	0.58	554	2	0.05	22	0.07	4	145	0.25	166	88	
39	19650	5	0.4	2.82	2	153	0.5	5	1.08	0.2	46	7	57	31	3.64	34	0.22	17	16	0.46	295	2	0.05	17	0.04	5	156	0.26	159	69	
40	19700 *□	5	0.2	0.07	7	44	0.2	5	3.48	1.1	26	1	4	10	0.08	32	0.04	3	2	0.09	23	3	0.01	3	0.06	2	182	0.01	7	32	
41	15400E-19750N	5	0.2	3.09	8	177	0.7	6	1.07	0.2	46	12	68	38	4.10	38	0.25	17	19	0.91	536	2	0.05	32	0.21	6	133	0.24	146	73	
42	15400E-19800N	5	0.6	2.94	8	160	0.6	5	1.28	0.2	52	8	51	37	3.43	38	0.26	19	17	0.55	399	2	0.05	17	0.06	6	192	0.25	149	62	
43	19850	5	0.4	3.01	2	165	0.6	5	0.94	0.2	42	7	59	47	3.18	34	0.26	15	14	0.61	291	2	0.04	18	0.06	4	153	0.21	129	51	
44	19900	5	0.2	2.80	2	170	0.5	5	0.95	0.2	50	5	62	22	2.52	32	0.30	18	14	0.49	251	1	0.05	14	0.09	2	141	0.22	108	52	
45	19950	5	0.6	2.72	2	162	0.5	5	0.99	0.2	50	6	60	30	2.76	33	0.24	18	14	0.54	364	1	0.05	17	0.09	2	145	0.22	113	59	
46	15400E-20000N	5	0.6	2.51	2	201	0.5	5	0.90	0.2	47	7	52	33	2.27	32	0.27	17	10	0.45	464	2	0.05	17	0.12	2	139	0.20	99	48	
47	15800E-18700N	5	1.6	3.70	11	225	1.0	6	1.99	0.2	55	14	64	173	3.65	44	0.29	22	34	1.18	1413	3	0.04	42	0.15	5	188	0.20	142	82	
48	18750	5	0.2	3.79	5	259	0.8	5	0.78	0.2	51	12	54	38	4.05	33	0.36	19	37	0.88	360	2	0.06	32	0.09	2	117	0.22	129	81	
49	18800	5	0.4	3.41	3	189	0.7	5	0.99	0.2	52	9	64	34	4.02	36	0.34	19	28	0.66	317	2	0.04	24	0.16	4	146	0.21	139	66	
51	18850	5	0.6	4.51	6	193	0.8	6	0.90	0.2	61	10	54	37	4.56	36	0.43	25	35	0.83	333	1	0.04	19	0.09	5	145	0.25	164	72	
52	15800E-18900	5	0.4	3.97	3	241	0.9	6	0.78	0.2	66	11	55	33	4.25	33	0.48	28	46	0.81	445	1	0.06	23	0.19	6	108	0.22	125	120	
53	15800E-18950	5	0.2	3.23	5	195	0.5	5	1.60	0.2	51	13	58	42	3.62	38	0.29	17	21	0.93	489	1	0.05	23	0.06	2	230	0.27	152	70	
54	19000	5	1.0	4.07	6	186	0.7	7	1.74	0.4	55	26	47	181	5.07	42	0.24	17	55	1.72	2048	1	0.04	36	0.13	7	186	0.26	211	105	
55	19050	5	0.2	3.78	14	198	0.7	6	0.98	0.3	76	12	47	32	4.80	39	0.31	32	35	0.84	457	1	0.06	24	0.07	7	149	0.27	189	74	
56	19100	5	1.6	4.48	16	296	1.3	8	1.58	0.5	67	20	62	230	4.89	42	0.50	28	38	1.17	1391	2	0.05	54	0.13	9	184	0.22	157	101	
57	15800E-19150	5	0.2	3.28	9	200	0.7	6	1.04	0.2	57	11	52	41	3.72	34	0.42	22	24	0.88	376	2	0.04	24	0.09	7	150	0.22	136	67	
58	15800E-19200	5	0.2	2.81	7	162	0.5	5	1.09	0.3	49	8	72	27	3.41	34	0.27	18	20	0.60	325	1	0.05	26	0.09	7	146	0.25	120	76	
59	19250	5	0.2	3.04	11	180	0.6	6	1.20	0.3	52	10	77	38	3.52	34	0.26	18	19	0.73	407	2	0.05	33	0.10	6	153	0.26	125	81	
60	19300	10	0.4	3.17	11	176	0.6	5	1.07	0.2	52	9	88	43	3.47	33	0.27	19	20	0.79	370	2	0.05	38	0.10	4	142	0.26	121	69	
61	19350	5	0.4	2.92	6	166	0.7	5	1.11	0.3	53	11	98	45	3.30	36	0.26	21	19	0.75	394	2	0.04	36	0.09	4	143	0.24	123	65	
62	15800E-19400	5	0.4	3.29	17	135	0.6	5	1.82	0.4	53	18	136	71	3.99	40	0.23	19	23	1.40	684	2	0.04	87	0.11	3	184	0.25	125	63	
63	15800E-19450	5	0.2	3.11	12	139	0.6	5	1.58	0.3	51	18	115	49	3.86	39	0.21	18	21	1.09	641	1	0.04	58	0.10	4	169	0.25	130	72	
64	19500	5	0.2	3.25	11	145	0.6	5	1.57	0.3	50	13	85	42	4.00	42	0.16	16	23	0.95	362	1	0.05	41	0.07	6	182	0.28	155	72	
65	19550	5	0.6	3.74	7	132	0.7	5	1.77	0.3	57	17	83	64	4.11	42	0.15	20	27	1.12	436	1	0.05	52	0.08	4	219	0.26	151	54	
66	19600 *□	5	0.2	0.49	6	102	0.3	5	3.62	0.6	28	3	14	26	0.79	35	0.04	6	3	0.13	290	3	0.02	11	0.06	2	357	0.02	19	41	
67	15800E-19650	5	0.4	3.62	2	158	0.9	5	0.45	0.3	111	4	10	8	1.68	29	0.48	54	25	0.42	446	1	0.04	5	0.05	14	81	0.17	44	74	
68	15800E-19700	5	0.4	3.02	2	130	0.8	5	0.88	0.2	78	5	49	16	2.50	33	0.28	34	25	0.44	288	1	0.05	16	0.15	9	148	0.22	88	56	
69	19750	5	0.8	3.53	8	175	0.8	6	0.93	0.2	51	14	66	49	5.10	37	0.30	20	34	1.06	493	2	0.05	29	0.10	6	136	0.23	173	62	
70	19800	5	0.8	3.79	2	215	1.0	6	0.90	0.3	66	14	60	68	3.81	35	0.37	27	27	0.95	786	1	0.04	31	0.09	5	119	0.20	130	69	
71	19850	5	1.8	3.39	15	217	0.6	5	1.18	0.2	38	27	109	55	5.43	36	0.16	11	28	1.30	2136	2	0.03	34	0.14	2	127	0.19	212	116	
72	15800E-19900	5	2.0	4.58	2	166	0.6	5	1.89	0.2	41	23	82	50	7.42	47	0.15	13	26	1.94	841	2	0.03	41	0.17	2	318	0.28	287	124	
73	15800E-19950	5	1.2	4.88	2	214	1.1	5	2.21	0.2	55	25	36	146	6.00	46	0.35	20	45	2.18	1015	2	0.03	34	0.16	2	291	0.25	217	105	
74	15800E-20000N	5	0.6	3.45	7	181	0.7	5	1.24	0.2	52	13	64	53	4.69	37	0.26	19	30	0.97	404	2	0.04	27	0.10	3	152	0.23	165	59	

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RESULTS

NORANDA VANCOUVER LABORATORY
Geochemical Analysis

Project Name & No ALPHA/P.M. - 287/288

Geol.: T.W.

Date received: JUNE 05

LAB CODE: 9106-016

Material: 5RX

Sheet: 1 of 1

Date completed: JUNE 10

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

■ Organic, Δ Humus, S Sulfide

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

ICP - 0.2 g sample digested with 3 ml HClO₄/HNO₃ (4:1) at 203 °C for 4 hours diluted to 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.

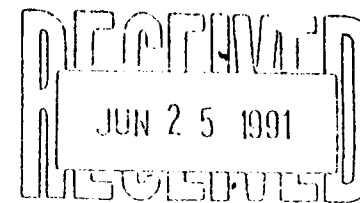
cc: Terry W.

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 %	Ga ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
82	134409 S	5	0.2	2.55	2	9	0.4	5	3.40	0.2	37	59	191	396	7.11	54	0.05	9	4	0.28	420	2	0.04	292	0.07	4	205	0.18	89	17
84	134410	5	0.2	3.19	3	228	0.9	5	1.72	0.2	56	15	27	77	4.33	52	0.41	21	19	1.06	835	2	0.19	26	0.16	3	146	0.35	144	82
86	134411	5	0.2	3.79	2	182	0.9	5	0.25	0.2	6	5	32	5	3.61	23	1.21	48	24	0.77	192	4	0.03	6	0.23	3	33	0.06	54	27
88	134412	5	0.4	2.00	13	46	0.9	5	7.57	0.2	42	29	90	850	7.55	72	0.11	7	29	3.86	1345	2	0.11	90	0.04	2	243	0.36	221	93
90	134413	5	0.4	2.77	4	131	0.8	5	1.58	0.2	143	14	46	32	4.32	50	0.62	74	53	1.51	740	4	0.08	17	0.27	3	66	0.10	95	71

fill: 287 - PM
: 288 - Alpha-Beta

NORANDA VANCOUVER LABORATORY

Geochemical Analysis



Project Name & No. ALPHA - 288

Material: 135 SOILS

Remarks:

* Sample screened @ -35 MESH (0.5 mm)

□ Organic, Δ Humus, S Sulfide

Geol.: T.W.

Sheet: 1 of 4

Date received: JUNE 12

Date completed: JUNE 21

LAB CODE: 9106-032

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

ICP - 0.2 g sample digested with 3 ml HClO₄/HNO₃ (4:1) at 203 °C for 4 hours diluted to 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.

copy: Terry W
file: 288-Alpha ✓

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 %	Ga ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
2	16400E-19000N	5	0.2	2.92	2	247	0.6	5	0.64	0.2	47	8	63	35	3.01	21	0.34	17	15	0.68	364	1	0.04	31	0.09	4	88	0.17	96	65
3	19050	5	0.2	3.03	2	259	0.6	5	0.52	0.2	41	8	56	29	2.93	19	0.35	16	15	0.66	390	1	0.05	29	0.08	4	77	0.18	94	69
4	19100	5	0.2	2.40	2	217	0.6	5	0.72	0.2	49	10	54	35	2.79	22	0.27	18	12	0.58	448	1	0.04	29	0.08	3	96	0.17	93	49
5	19150	5	0.2	2.40	2	270	0.6	5	0.79	0.2	53	11	57	35	2.92	23	0.37	19	13	0.65	592	2	0.05	35	0.09	3	93	0.17	92	61
6	16400E-19200N	5	0.2	2.74	2	277	0.7	5	0.92	0.2	56	12	67	48	3.33	28	0.41	21	15	0.73	625	1	0.05	34	0.10	4	118	0.19	114	67
7	16400E-19250N	5	0.2	2.52	2	254	0.6	5	0.61	0.2	48	8	61	31	2.83	19	0.32	19	13	0.61	414	1	0.05	29	0.08	2	86	0.17	91	60
8	19300	5	0.2	2.96	2	215	0.6	5	0.63	0.2	44	12	65	38	3.27	20	0.30	16	17	0.70	381	1	0.05	32	0.08	4	92	0.19	106	60
9	19350	5	0.2	3.48	2	224	0.7	5	1.24	0.2	54	15	64	48	3.55	34	0.35	19	30	0.80	639	2	0.04	24	0.16	6	150	0.20	137	83
10	19400	5	0.2	3.11	2	285	0.6	5	0.61	0.2	47	11	70	35	3.11	21	0.40	17	16	0.70	561	1	0.05	31	0.10	3	86	0.17	101	73
11	16400E-19450N	5	0.2	2.89	2	248	0.6	5	0.60	0.2	40	8	64	32	2.83	14	0.36	16	14	0.66	376	1	0.05	27	0.09	2	84	0.17	93	69
15	14600E-19500N	25	0.2	2.64	2	234	0.7	7	1.00	0.2	63	12	67	43	3.24	31	0.40	23	17	0.79	552	1	0.05	32	0.11	4	121	0.19	112	63
16	19550	10	0.2	2.57	2	254	0.6	5	0.63	0.2	50	10	60	34	2.96	24	0.33	18	13	0.64	510	1	0.05	31	0.09	3	81	0.17	92	65
17	19600	10	0.2	2.56	2	208	0.5	5	0.54	0.2	47	8	59	22	2.40	21	0.28	16	12	0.57	327	2	0.05	24	0.07	4	77	0.17	83	56
18	19650	10	0.2	2.68	3	268	0.7	5	0.63	0.2	54	10	63	38	2.99	26	0.34	20	14	0.67	453	1	0.05	33	0.08	4	87	0.17	96	61
19	14600E-19700N	15	2.0	2.58	8	205	0.8	5	1.53	0.8	57	9	72	77	3.06	41	0.24	22	22	0.45	319	3	0.04	24	0.08	6	123	0.17	117	58
20	14600E-19750N	190	0.4	3.36	3	217	0.7	8	0.96	0.2	62	11	64	37	3.78	37	0.32	21	28	0.77	307	2	0.04	26	0.09	6	123	0.19	128	65
21	19800	10	0.2	3.21	2	208	0.7	5	0.73	0.2	49	12	66	45	3.73	26	0.33	18	24	0.85	396	1	0.04	33	0.12	6	101	0.18	119	64
22	19850	10	0.2	3.77	2	250	0.8	5	0.75	0.2	49	13	63	44	4.01	31	0.37	17	31	0.85	480	1	0.04	31	0.14	6	104	0.20	129	86
23	19900 □	40	0.2	0.18	5	52	0.2	5	2.22	0.3	35	1	6	8	0.29	27	0.05	4	3	0.09	36	2	0.02	3	0.08	2	92	0.01	10	27
24	14600E-19950N	15	0.2	2.73	2	257	0.6	5	0.89	0.2	55	10	64	29	2.75	24	0.34	20	16	0.68	359	1	0.05	28	0.08	3	102	0.18	98	63
25	14600E-20000N	10	0.2	3.78	2	410	0.9	5	0.78	0.2	54	16	64	48	4.10	27	0.49	19	20	0.79	625	1	0.06	47	0.09	5	97	0.17	116	79
26	20050 *□	5	0.4	0.24	2	72	0.2	5	1.71	0.3	32	2	8	9	0.40	23	0.06	4	3	0.08	26	2	0.02	4	0.07	2	79	0.02	10	32
27	20200 *□	5	0.4	1.81	2	187	0.5	5	0.80	0.4	32	6	40	58	1.57	17	0.21	10	9	0.39	149	4	0.03	27	0.10	2	67	0.08	63	64
28	20250	5	0.2	3.39	2	311	0.8	5	1.14	0.2	55	14	82	54	3.74	33	0.47	18	20	1.03	621	1	0.05	39	0.12	5	141	0.21	135	79
29	14600E-20300N	5	0.2	2.51	2	179	0.6	5	1.02	0.2	60	11	68	41	3.05	33	0.34	21	17	0.77	447	1	0.04	27	0.10	3	124	0.17	109	50
30	14600E-20350N	5	0.2	2.31	2	179	0.6	5	0.92	0.2	54	9	70	28	2.71	30	0.26	18	15	0.63	388	1	0.04	23	0.08	5	113	0.18	102	49
31	20400	5	0.2	2.27	2	164	0.5	5	0.83	0.2	48	7	70	27	2.76	21	0.23	20	12	0.54	329	1	0.03	21	0.08	2	108	0.17	105	47
32	20450	5	0.2	2.42	2	176	0.6	5	0.89	0.2	50	9	81	29	2.93	25	0.27	18	14	0.63	359	1	0.04	23	0.10	2	108	0.18	108	55
33	20500	5	0.2	2.41	2	200	0.6	5	0.95	0.2	57	10	70	29	2.95	29	0.31	21	15	0.66	474	1	0.04	26	0.08	2	114	0.19	108	60
34	14600E-20550N	30	0.4	3.59	2	204	0.7	5	1.52	0.2	53	17	59	91	5.16	46	0.27	16	31	1.43	729	1	0.04	30	0.08	2	188	0.25	214	108
35	14600E-20600N	10	0.6	3.90	2	164	0.9	5	1.33	0.2	50	18	61	80	5.14	43	0.32	14	39	1.55	487	1	0.03	27	0.19	2	238	0.22	184	69
36	20650	5	0.4	2.84	2	167	0.6	5	0.91	0.2	55	9	62	35	3.01	33	0.29	19	18	0.59	288	1	0.04	22	0.10	3	119	0.20	113	57
37	20700	10	0.2	3.67	2	299	0.6	5	1.48	0.2	54	14	58	56	4.13	49	0.45	15	22	1.18	387	2	0.04	31	0.14	3	189	0.24	165	69
38	20750	15	0.2	2.64	2	157	0.5	5	0.93	0.2	52	8	75	20	2.90	38	0.23	17	13	0.51	325	1	0.04	18	0.08	3	133	0.21	116	52
39	14600E-20800N	5	0.2	3.07	2	163	0.6	5	1.06	0.2	62	8	74	23	4.03	42	0.28	21	19	0.55	323	2	0.04	16	0.16	5	144	0.23	134	75

T.T No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bc ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm	9108-032 Pg. 4 of 4
132	13800E-21500N	5	1.2	2.85	2	225	0.7	5	1.07	0.2	49	20	78	55	2.95	25	0.21	17	17	0.59	700	1	0.04	35	0.21	2	136	0.19	110	65	
133	21550	5	0.4	2.61	2	187	0.5	5	1.12	0.2	47	7	91	24	2.62	31	0.23	15	12	0.51	333	1	0.04	17	0.07	3	164	0.22	115	47	
134	21600	5	0.6	2.67	2	230	0.6	5	0.80	0.2	45	15	102	43	2.92	25	0.22	16	13	0.56	719	2	0.05	39	0.08	4	115	0.19	116	57	
135	21650	10	0.8	2.84	2	189	0.5	5	0.93	0.2	47	11	176	19	4.16	30	0.22	17	16	0.51	661	1	0.04	33	0.16	2	135	0.23	136	81	
136	13800E-21700N	220	0.2	2.50	2	183	0.4	5	0.89	0.2	52	7	183	15	3.19	31	0.25	18	11	0.50	272	1	0.05	22	0.15	5	124	0.24	122	52	
137	13800E-21750N	5	0.2	2.55	2	138	0.4	5	1.01	0.2	52	7	320	16	3.06	36	0.20	17	11	0.48	264	1	0.04	27	0.12	3	149	0.24	123	42	
138	21800	280	0.2	2.66	2	161	0.4	5	1.16	0.2	59	5	94	16	2.13	40	0.25	19	10	0.38	223	1	0.05	13	0.06	7	177	0.25	112	33	
139	21850	5	0.2	2.47	2	197	0.5	5	1.34	0.3	55	6	105	25	1.78	39	0.22	16	8	0.34	209	1	0.04	17	0.07	7	192	0.23	101	34	
140	21950	15	0.2	3.03	2	137	0.5	5	1.23	0.2	53	8	108	22	3.58	39	0.22	16	14	0.45	287	1	0.05	14	0.16	5	181	0.26	148	55	
141	13800E-22000N	10	0.2	2.31	5	160	0.6	5	1.13	0.2	49	14	66	50	3.23	32	0.30	17	13	0.75	434	2	0.03	23	0.12	2	151	0.18	122	41	

GEOCHEMICAL ANALYSIS CERTIFICATE

Alpha (TW)

Noranda Exploration Co. Ltd. PROJECT 9106-032 288

File # 91-1731

1050 Davie St., Vancouver BC V6E 1M4

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
110403	1	73	17	60	.4	20	23	710	4.90	8	5	ND	1	122	2.4	6	2	109	2.41	.123	2	47	2.45	227	.20	2	2.33	.03	.49	1	6
110404	1	110	18	80	.8	20	22	936	6.88	9	5	ND	1	170	3.1	11	2	112	2.89	.135	7	37	2.38	97	.02	2	3.05	.03	.25	1	8
110405	1	51	23	94	.6	18	20	1300	5.69	4	5	ND	1	513	2.7	9	2	99	4.67	.122	7	40	2.18	80	.09	2	2.64	.02	.60	1	13
110408	1	28	16	110	1.2	17	28	951	6.35	82	5	ND	1	118	2.9	11	2	145	1.40	.139	5	25	3.06	154	.10	2	2.88	.02	.41	1	25
110409	1	228	2	79	.5	43	42	702	4.62	8	5	ND	1	111	2.4	8	2	86	2.21	.071	3	81	2.65	76	.20	3	2.34	.02	.06	1	6
133651	2	12	20	24	.2	9	3	302	.63	3	5	ND	1	36	.2	2	2	8	.83	.006	2	10	.19	8	.01	3	.21	.01	.01	1	1
134414	1	5	20	46	.2	11	3	342	.92	10	5	ND	4	21	.2	2	2	5	.37	.005	8	13	.18	62	.01	2	.35	.01	.07	1	3
134415	1	12	16	76	.2	15	13	609	4.56	18	5	ND	1	45	2.5	2	3	34	.71	.261	38	43	1.43	46	.01	2	1.43	.03	.13	1	1
134416	2	4	20	39	.4	9	6	259	3.04	13	5	ND	1	35	1.0	2	2	28	.39	.224	33	37	.99	52	.01	2	1.05	.03	.16	1	1
134417	3	6	19	38	.2	20	6	274	1.85	14	5	ND	10	6	.2	2	2	7	.09	.011	16	23	.25	24	.01	2	.49	.01	.11	1	1
134418	2	3	29	16	.3	6	1	97	.32	2	5	ND	1	6	.2	2	2	1	.03	.008	3	5	.02	21	.01	5	.20	.02	.13	1	1
134419	1	5	15	25	.1	3	1	132	1.03	3	5	ND	5	4	.2	2	2	8	.05	.016	12	13	.09	21	.01	2	.27	.01	.12	1	1
134420	1	19	2	62	.4	77	31	855	6.32	2	5	ND	1	288	3.0	8	2	147	3.28	.098	5	150	3.71	274	.09	2	3.32	.02	.35	1	2
134421	2	36	14	67	.7	12	11	485	6.83	14	5	ND	2	61	3.0	4	2	86	.08	.120	5	22	2.69	62	.01	3	2.56	.05	.24	1	6
134422	1	3	3	7	.1	7	1	47	.27	2	5	ND	1	1	.2	2	2	1	.01	.001	2	7	.02	6	.01	3	.03	.01	.01	2	1
134423	1	97	30	59	.9	8	22	1170	5.29	15	5	ND	1	222	2.4	6	2	103	5.48	.133	5	23	1.86	16	.03	3	1.95	.02	.07	1	1
134424	2	4	13	33	4.7	11	3	335	1.01	9	5	ND	7	14	.2	2	3	7	.18	.024	16	15	.26	158	.01	3	.54	.01	.13	1	1
134425	1	58	16	118	.8	21	8	756	6.60	18	5	ND	9	14	3.4	2	2	37	.32	.196	16	45	1.02	27	.01	2	1.42	.02	.13	1	1
134506	1	58	3	27	.3	54	21	580	4.01	2	5	ND	1	252	2.1	6	2	91	3.79	.120	3	84	1.92	400	.20	2	1.78	.03	.25	1	1
134507	1	209	3	56	.4	30	27	489	2.94	7	5	ND	1	81	1.4	3	2	57	1.41	.083	2	40	1.91	157	.18	2	1.81	.03	.02	1	3
134508	1	120	2	40	.3	62	28	645	3.72	8	5	ND	1	88	1.8	4	2	77	3.10	.099	2	190	1.99	227	.20	2	1.88	.02	1.15	1	2
134509	1	10	14	51	.3	26	8	562	2.34	3	5	ND	5	32	.2	2	2	21	.42	.020	10	42	.68	12	.01	3	1.04	.02	.10	1	2
134510	1	79	2	46	.4	31	33	1439	4.06	3	5	ND	1	151	2.0	4	2	138	5.82	.010	2	114	1.55	73	.25	2	1.17	.03	.02	1	2
134511	1	155	9	57	.3	69	29	747	5.61	2	5	ND	1	118	2.9	6	2	120	1.93	.069	2	156	3.59	305	.23	2	3.17	.01	.60	1	1
134512	1	328	2	20	.6	24	18	335	10.40	2	5	ND	1	77	4.8	2	2	272	1.91	.016	2	40	.74	486	.46	2	.68	.01	.10	1	11
134513	2	69	4	49	.6	27	21	916	5.28	46	5	ND	1	173	2.2	7	2	121	3.34	.104	6	60	2.50	50	.01	2	2.30	.02	.09	1	9
134514	1	110	2	75	.3	16	26	530	3.82	2	5	ND	1	97	1.5	4	2	103	1.08	.127	2	20	1.97	532	.25	2	2.22	.04	1.61	1	2
STANDARD C/AU-R	17	59	43	133	7.3	70	33	1057	3.96	38	16	7	35	53	19.0	18	17	54	.51	.090	36	60	.89	177	.09	33	1.89	.06	.15	11	460

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.
 - SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 12 1991

DATE REPORT MAILED: June 14/91.

SIGNED BY: *C. Leung* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

RECEIVED
JUL - 8 1991

NORANDA VANCOUVER LABORATORY Geochemical Analysis

Project Name & No.: ALPHA/BETA - 288

Geol.: T.W.

Date received: JUNE 24

LAB CODE: 9106-066

Material: 98 SOILS

Sheet: 1 of 3

Date completed: JULY 04

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

‡ Organic, Δ Humus, S Sulfide

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

ICP - 0.2 g sample digested with 3 ml HClO₄/HNO₃ (4:1) at 203 °C for 4 hours diluted to 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.

*Copy: Terry
file: 288 Results*

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 %	Ga ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
60	16200E-19500N ALPHA	5	0.6	2.77	3	167	0.6	5	1.19	0.2	60	8	47	21	2.99	35	0.31	22	13	0.52	479	1	0.05	16	0.08	7	175	0.24	128	54
61	19550	5	0.6	3.41	9	213	0.9	5	1.08	0.2	59	14	63	47	4.01	34	0.44	24	27	1.05	429	2	0.05	32	0.10	10	158	0.23	150	63
62	19600	10	1.4	4.20	10	202	1.1	5	1.38	0.4	62	21	62	139	4.78	38	0.39	22	36	1.18	954	2	0.05	39	0.09	11	179	0.25	170	85
63	19650	15	2.0	4.22	14	130	1.0	5	2.23	0.2	65	23	52	551	5.30	42	0.30	21	44	1.41	798	2	0.04	36	0.15	9	222	0.30	192	83
64	16200E-19700N	10	1.0	4.11	22	104	0.6	5	1.17	0.2	45	24	45	62	6.28	39	0.16	14	41	1.96	547	1	0.03	31	0.06	8	175	0.18	276	79
65	16200E-19750N	5	0.6	4.16	10	166	0.6	5	2.16	0.2	55	24	46	128	6.26	46	0.24	17	27	1.27	622	2	0.04	30	0.13	6	322	0.33	250	84
66	19800	10	0.4	3.34	9	158	0.7	5	1.35	0.4	54	12	55	34	4.70	37	0.30	19	22	0.89	410	2	0.04	20	0.10	9	209	0.26	180	77
67	19850	5	0.4	3.94	2	107	1.1	5	0.82	0.2	58	9	40	30	4.16	30	0.27	21	31	0.83	358	1	0.03	18	0.06	11	134	0.22	133	55
68	19900	20	0.8	4.87	18	122	1.1	5	2.16	0.2	55	50	70	242	7.27	46	0.19	17	35	2.67	1562	2	0.03	81	0.14	8	256	0.26	227	115
69	16200E-19950N	15	0.4	3.76	16	119	1.0	5	1.18	0.2	49	28	87	105	5.56	34	0.18	15	39	2.24	945	1	0.04	71	0.11	4	139	0.20	200	73
70	16200E-20000N	5	0.6	3.02	9	144	0.5	5	1.23	0.2	55	8	60	38	4.27	37	0.25	20	12	0.51	338	1	0.04	18	0.09	7	189	0.27	206	49
71	20050	5	0.8	3.08	14	130	0.5	5	1.11	0.2	51	8	69	36	3.53	29	0.27	19	19	0.68	318	2	0.04	23	0.12	9	159	0.24	142	47
72	20100	5	0.4	3.57	18	163	0.8	5	1.09	0.2	48	18	74	81	4.14	27	0.28	17	21	1.13	489	2	0.04	52	0.08	7	152	0.23	138	53
73	20150	5	2.2	3.15	46	158	1.0	5	0.96	2.0	51	24	86	55	5.14	31	0.22	20	23	0.57	1634	11	0.03	35	0.17	21	127	0.23	176	168
74	16200E-20200N	5	6.6	3.55	54	201	0.6	6	0.69	0.2	51	5	70	28	4.57	29	0.33	22	22	0.50	278	71	0.03	18	0.22	65	111	0.17	124	64
75	16200E-20250N	5	3.4	4.07	31	294	0.7	5	0.81	0.2	55	6	68	34	4.10	29	0.43	22	14	0.53	257	7	0.03	20	0.11	35	157	0.22	148	61
76	20300	5	0.6	2.90	16	175	0.6	5	0.81	0.2	53	10	60	24	4.06	28	0.35	22	21	0.67	366	2	0.05	23	0.08	12	146	0.23	135	75
77	20350	5	1.2	3.16	20	168	0.6	7	0.91	0.2	49	10	60	30	3.89	27	0.28	18	24	0.85	360	2	0.04	29	0.08	9	132	0.24	129	89
78	20400	5	4.2	3.52	18	179	0.8	6	0.89	0.2	52	13	63	33	4.31	28	0.32	20	33	0.85	430	3	0.05	26	0.18	10	126	0.22	130	179
79	16200E-20450N	5	1.6	2.78	13	186	0.5	5	0.75	0.2	51	5	50	34	2.88	27	0.33	20	10	0.41	264	2	0.04	15	0.13	13	115	0.21	121	54
80	16200E-20500N	5	1.0	3.11	19	166	0.5	6	0.79	0.2	53	6	66	24	3.55	26	0.19	22	20	0.64	286	1	0.04	21	0.06	12	121	0.23	127	70
81	16600E-19500N	5	0.8	3.85	18	275	1.2	5	1.10	0.4	73	19	66	89	4.28	34	0.50	31	39	1.15	779	3	0.06	46	0.11	8	138	0.21	142	101
82	19550	5	0.6	4.32	12	240	1.1	5	1.02	0.2	55	16	72	103	4.72	33	0.43	22	30	1.33	622	2	0.05	39	0.12	6	148	0.22	162	82
83	19600	5	0.8	3.52	10	209	0.8	5	0.89	0.2	53	13	77	53	4.01	29	0.40	20	26	0.99	488	2	0.05	31	0.13	6	124	0.21	136	80
84	16600E-19800N	5	1.6	3.71	11	498	0.7	5	0.87	1.8	59	15	93	27	5.10	33	0.51	24	32	1.04	646	2	0.05	37	0.13	6	136	0.23	178	269
85	16600E-19850N	5	0.8	4.18	38	209	0.9	5	0.55	0.8	39	35	141	119	8.28	30	0.32	16	54	2.58	1134	3	0.03	97	0.21	10	86	0.15	196	299
86	19900	5	1.2	3.44	18	177	0.7	5	0.84	0.8	50	20	96	80	5.77	31	0.32	19	27	1.17	715	4	0.04	47	0.12	8	129	0.23	185	140
87	19950	5	1.2	3.35	20	178	0.7	5	1.05	0.2	51	14	61	32	4.77	34	0.32	18	34	1.05	445	2	0.04	29	0.14	8	152	0.22	160	136
88	20000	5	1.8	2.85	8	238	0.5	5	1.19	0.2	61	9	51	23	3.47	35	0.39	22	16	0.57	920	2	0.05	18	0.13	7	174	0.24	142	109
89	16600E-20050N	5	1.0	3.56	16	228	0.9	5	1.27	0.4	59	27	71	102	5.15	38	0.35	22	24	1.19	2035	4	0.04	36	0.17	9	172	0.26	168	160
90	16600E-20100N	5	1.2	3.51	10	185	0.7	5	1.74	0.2	56	15	49	91	3.96	39	0.27	19	23	1.15	576	3	0.04	32	0.15	6	216	0.27	152	96
91	20150	5	0.6	3.01	14	224	0.6	5	1.14	0.2	47	13	79	58	4.02	32	0.31	16	23	1.05	588	2	0.04	37	0.10	6	147	0.20	145	75
92	20200	5	0.8	3.98	26	256	0.8	5	0.98	0.2	48	18	74	78	5.54	34	0.42	17	41	1.52	623	2	0.03	39	0.19	6	141	0.19	191	110
93	20250	15	1.2	4.14	19	229	0.9	5	1.34	0.4	56	22	73	148	5.51	40	0.34	20	41	1.63	766	2	0.03	52	0.14	8	182	0.20	184	116
94	16600E-20300N	10	0.6	4.21	26	288	1.0	6	0.96	0.2	44	24	58	147	5.61	34	0.47	16	46	1.80	769	3	0.03	44	0.17	9	138	0.15	179	124

05/07 PG DP

T.T No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bc ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm	9108-068 Pg. 3 of 3
141	10600E-12300N	5	0.2	4.11	14	183	0.9	5	1.05	0.4	51	21	58	52	5.22	36	0.32	21	24	1.64	504	1	0.04	30	0.14	9	185	0.33	197	88	
142	12350	5	1.6	4.24	42	289	1.2	5	1.88	0.8	50	28	74	510	4.85	40	0.51	22	23	1.24	1880	1	0.05	54	0.26	10	137	0.21	165	110	
143	12400	5	0.2	3.93	17	240	0.7	5	1.37	0.2	44	23	49	73	5.24	36	0.44	13	21	1.78	871	1	0.05	38	0.15	6	186	0.29	174	82	
144	12450	5	0.2	4.03	7	436	0.8	5	1.07	0.2	47	16	43	34	5.43	36	0.51	17	24	1.44	445	1	0.05	28	0.24	5	167	0.34	200	105	
145	10600E-12500N	20	0.2	3.96	14	218	0.7	5	0.86	0.2	44	14	78	36	5.42	31	0.37	16	20	1.38	435	1	0.04	31	0.27	7	142	0.27	183	76	
146	10600E-12550N	165	0.2	3.44	8	183	0.5	5	1.01	0.2	45	10	41	29	3.72	33	0.31	15	15	1.01	369	1	0.04	19	0.12	7	180	0.29	160	60	
147	12600	5	0.4	3.27	2	220	0.5	5	1.39	0.4	51	11	39	23	3.42	37	0.34	17	12	0.83	516	1	0.05	17	0.10	5	229	0.34	167	66	
148	12650	5	0.4	2.76	4	183	0.5	5	1.22	0.6	48	11	60	28	3.30	32	0.31	17	14	0.64	672	1	0.05	21	0.15	7	181	0.26	129	73	
151	12700	5	0.4	3.83	2	114	0.5	5	2.34	0.2	44	15	24	56	4.67	39	0.24	12	14	1.05	711	1	0.03	15	0.19	2	344	0.46	217	100	
152	10600E-12750N	5	0.2	3.15	2	155	0.4	5	1.44	0.2	48	9	36	24	3.29	33	0.35	15	13	0.70	359	1	0.05	16	0.09	14	250	0.35	156	89	
153	10600E-12800N	5	0.2	3.25	2	264	0.5	5	2.17	0.2	52	5	35	16	2.91	37	0.38	15	6	0.45	284	1	0.04	11	0.08	5	329	0.57	177	41	
154	12850	5	0.2	3.30	7	223	0.7	5	1.06	0.2	50	13	44	54	3.83	31	0.39	18	16	0.84	513	1	0.05	27	0.12	9	158	0.24	138	60	
155	12950	5	0.2	3.55	7	171	0.6	5	1.11	0.2	42	9	57	32	4.73	31	0.24	14	16	0.63	299	1	0.05	21	0.19	7	172	0.29	170	51	
156	13000	40	0.2	2.66	2	129	0.4	5	1.13	0.2	46	3	46	19	1.46	30	0.21	15	8	0.26	174	1	0.05	8	0.04	8	185	0.27	97	29	
157	10600E-13050N	5	0.2	3.75	6	202	0.7	5	0.90	0.2	46	11	48	57	3.38	29	0.33	16	17	0.78	373	1	0.05	30	0.10	6	140	0.24	120	65	
158	10600E-13100N	5	0.4	2.70	5	209	0.5	5	1.25	0.2	47	8	51	23	2.82	32	0.34	16	9	0.50	628	1	0.05	16	0.12	6	196	0.28	124	64	
159	13150	5	0.2	3.05	9	197	0.5	5	1.25	0.2	46	12	53	38	3.76	32	0.30	15	12	0.83	527	1	0.04	24	0.11	6	188	0.28	139	68	
160	10600E-13200N BETA	5	0.2	3.02	6	177	0.5	5	1.19	0.2	46	10	57	39	3.74	32	0.29	15	14	0.74	383	1	0.04	21	0.14	4	181	0.25	132	62	



GEOCHEMICAL ANALYSIS CERTIFICATE

Alpha / PM (BMc)



Noranda Exploration Co. Ltd. PROJECT 9107-095 288/287

File # 91-2841

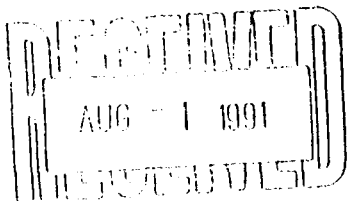
1050 Davie St., Vancouver BC V6E 1M4

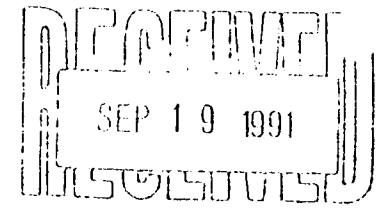
SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
110476	1	25	21	83	.4	27	13	432	3.98	4	5	ND	3	35	.4	2	2	60	.47	.033	5	45	1.57	190	.28	2	2.30	.05	1.03	1	2
110478	1	147	3	44	.2	38	17	564	2.84	3	5	ND	1	205	.2	2	2	65	2.49	.101	2	137	2.25	374	.18	2	1.96	.02	.43	1	2
110479	2	10	2	7	.1	14	2	103	.84	2	5	ND	1	5	.2	2	2	6	.10	.007	2	19	.13	17	.05	2	.17	.01	.02	2	3
110480	1	267	2	85	.3	257	47	800	3.61	17	5	ND	1	134	.5	3	2	104	2.97	.116	2	291	2.72	74	.14	2	2.17	.02	.06	1	3
110481	12	7	5	15	.2	17	1	137	.66	4	5	ND	1	11	.2	2	2	9	.17	.007	3	18	.16	29	.01	2	.20	.01	.05	1	1
110482	13	1	23	23	.2	15	3	114	1.88	16	5	ND	7	19	.2	2	2	6	.02	.022	9	14	.16	137	.01	2	.38	.01	.21	1	1
110483	1	6	12	76	.1	37	9	564	2.99	2	5	ND	7	7	.2	2	2	19	.14	.042	12	49	.91	33	.01	2	1.41	.04	.17	1	1
110484	1	38	2	62	.4	65	17	1594	5.29	9	5	ND	1	272	1.5	3	2	145	4.21	.104	2	211	4.00	161	.08	2	3.20	.02	.23	2	2
110485	1	420	2	38	.5	73	37	824	5.61	7	5	ND	1	118	.9	4	2	113	1.59	.131	2	138	3.15	65	.25	2	2.71	.05	.64	1	3
110486	6	29	9	46	.3	17	8	317	4.58	7	6	ND	2	50	.2	2	2	47	.46	.245	33	43	1.22	76	.01	2	1.35	.04	.16	1	1
134517	1	84	7	96	.6	20	14	554	4.35	3	5	ND	5	90	.3	2	9	46	1.09	.136	23	29	1.05	168	.12	2	1.71	.04	.24	44	1
134518	1	4	9	24	.1	11	2	444	1.24	6	5	ND	3	8	.2	2	3	6	.06	.017	10	17	.27	20	.01	2	.44	.01	.10	2	2
134519	1	76	2	50	.2	132	33	779	4.64	10	5	ND	1	158	.9	3	2	114	3.56	.100	2	337	3.64	249	.14	2	2.68	.01	.23	1	2
134520	2	33	8	35	1.1	27	8	287	4.55	62	5	ND	11	24	.2	2	3	46	.47	.215	34	49	1.10	53	.01	2	1.82	.03	.17	1	24
134521	1	106	2	19	.3	48	46	648	3.64	42	5	ND	1	64	.2	4	2	81	2.47	.030	2	75	1.36	15	.19	2	1.12	.01	.01	1	12
RC F.S.1	1	14	11	69	.3	35	11	449	3.80	6	7	ND	13	10	.2	2	2	31	.10	.011	40	53	.89	39	.01	2	1.69	.03	.14	1	4
STANDARD C/AU-R	17	56	38	133	7.2	73	33	1057	4.02	42	20	6	38	51	18.5	16	19	56	.49	.093	38	60	.87	180	.09	31	1.96	.06	.15	11	460

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. - SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUL 24 1991 DATE REPORT MAILED: July 30/91 SIGNED BY: *Chung* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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288 Alpha





NORANDA VANCOUVER LABORATORY

Geochemical Analysis

Project Name & No.: BETA - 288
 Material: 382 SOILS
 Remarks: * Sample screened @ -35 MESH (0.5 mm)
 † Organic, Δ Humus, S Sulfide

Geol.: D.S.
 Sheet: 1 of 9

Date received: AUG. 15
 Date completed: SEP. 10

LAB CODE: 9108-060

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

ICP - 0.2 g sample digested with 3 ml HClO₄/HNO₃ (4:1) at 203 °C for 4 hours diluted to 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.

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 file 288: Beta*

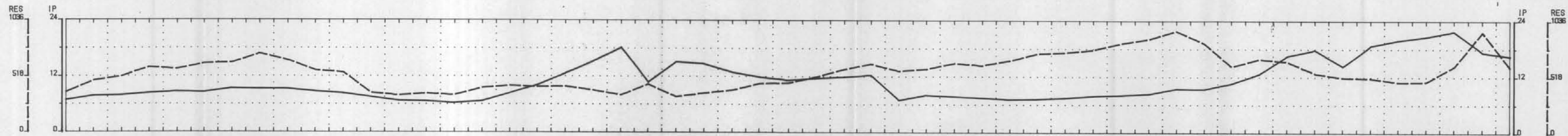
T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
2	13200E-9750N	5	0.4	3.11	5	181	0.6	5	0.90	0.6	48	12	80	31	3.45	0.23	20	13	0.53	545	2	0.05	23	0.13	8	131	0.24	122	98
3	9800	5	0.2	3.02	7	163	0.6	5	0.97	0.4	46	12	67	38	3.59	0.26	19	13	0.69	472	2	0.05	27	0.12	7	140	0.24	122	68
4	9850	5	0.2	2.88	6	147	0.5	5	0.97	0.3	45	9	64	29	3.19	0.21	18	12	0.56	326	2	0.05	24	0.08	8	142	0.23	113	62
5	9900	5	0.2	2.75	3	118	0.5	5	0.96	0.3	44	6	67	16	2.76	0.17	18	9	0.36	257	1	0.05	14	0.09	9	159	0.28	120	49
6	13200E-9950N	5	0.4	2.91	5	136	0.5	5	0.88	0.4	42	7	85	15	3.75	0.19	17	12	0.35	392	3	0.05	14	0.20	7	122	0.25	135	74
7	13200E-10000N	5	0.4	2.93	4	156	0.6	5	0.89	0.5	40	8	70	21	3.42	0.23	16	14	0.46	328	2	0.05	19	0.13	8	121	0.24	119	70
8	10050	5	0.2	2.83	4	153	0.7	5	0.92	0.5	37	12	74	30	3.41	0.26	14	12	0.57	426	2	0.05	26	0.13	7	124	0.22	121	66
9	10100	5	0.6	2.64	3	121	0.5	5	0.87	0.4	38	7	71	20	3.20	0.19	15	12	0.35	412	2	0.05	13	0.18	7	126	0.24	119	66
10	10150	5	0.6	2.80	8	166	0.5	5	0.96	0.6	41	8	75	20	2.84	0.26	16	10	0.58	383	2	0.05	17	0.08	8	134	0.26	119	63
11	13200E-10200N	5	0.2	2.33	10	137	0.4	5	0.97	0.5	37	5	69	18	2.36	0.18	14	10	0.39	256	2	0.04	15	0.09	4	133	0.21	98	44
12	13200E-10250N	5	0.2	2.36	11	162	0.5	5	0.96	0.4	37	8	72	20	3.19	0.23	14	11	0.52	441	2	0.05	18	0.09	7	128	0.22	114	53
13	10350	5	0.4	2.70	10	121	0.5	5	0.86	0.6	38	6	99	18	3.40	0.19	15	12	0.43	286	2	0.05	19	0.12	6	126	0.23	124	51
14	10400	5	0.4	2.76	12	143	0.5	5	0.90	0.7	38	7	74	22	3.57	0.23	15	13	0.49	303	1	0.05	19	0.12	6	126	0.22	123	66
15	10450	5	0.2	2.66	9	154	0.5	5	0.86	0.5	36	6	72	16	2.71	0.20	14	12	0.40	247	2	0.05	15	0.06	6	123	0.21	104	62
16	13200E-10500N	5	0.2	2.87	10	131	0.5	5	0.96	0.3	38	7	71	19	3.37	0.19	14	11	0.39	283	1	0.05	19	0.14	5	134	0.23	122	54
17	13200E-10550N	5	0.4	2.79	10	150	0.5	5	0.78	0.5	39	6	71	16	3.46	0.22	16	12	0.38	256	2	0.05	15	0.15	6	118	0.24	124	50
18	10600	5	0.2	3.26	9	193	0.7	5	0.92	0.4	38	12	63	31	3.24	0.24	14	13	0.62	340	2	0.05	34	0.10	6	128	0.22	115	58
19	10650	5	0.4	2.53	7	133	0.4	5	0.86	0.3	40	5	87	15	2.15	0.24	16	10	0.36	249	1	0.05	17	0.07	5	127	0.23	96	41
20	10700	10	0.4	2.68	7	127	0.5	5	0.89	0.5	40	5	81	14	2.53	0.18	16	9	0.30	226	1	0.05	13	0.08	6	136	0.25	107	46
21	13200E-10750N	5	0.2	2.17	3	132	0.5	5	0.78	0.4	41	5	65	14	1.42	0.24	18	10	0.31	210	1	0.04	19	0.05	5	124	0.22	80	33
22	13200E-10800N	5	0.2	2.22	3	137	0.4	5	0.84	0.3	39	5	60	14	1.65	0.23	14	9	0.37	240	1	0.04	14	0.05	5	124	0.20	78	37
23	10900	5	0.2	2.90	5	177	0.6	5	0.74	0.3	42	8	70	20	3.78	0.25	17	17	0.43	409	1	0.05	17	0.13	6	106	0.25	123	73
24	10950	5	0.4	2.67	2	145	0.5	5	0.64	0.4	51	5	70	13	2.30	0.27	21	11	0.25	198	1	0.05	12	0.09	6	103	0.23	92	54
25	11000	5	0.4	2.24	7	119	0.4	5	0.85	0.5	39	6	70	12	2.81	0.17	15	10	0.31	267	1	0.04	13	0.19	5	121	0.22	103	51
26	13200E-11050N	5	0.4	2.92	7	140	0.5	5	0.87	0.5	36	7	74	25	3.18	0.21	13	13	0.48	387	1	0.05	23	0.19	5	118	0.20	110	65
27	13200E-11100N	10	0.2	3.07	5	183	0.5	5	0.84	0.4	43	8	68	25	2.36	0.28	17	14	0.59	270	1	0.04	21	0.06	8	121	0.23	102	48
28	11150	20	0.4	3.51	4	187	0.6	5	0.79	0.3	46	7	68	28	2.56	0.29	18	17	0.49	260	1	0.05	22	0.08	8	119	0.24	107	76
29	11200	5	0.6	3.09	7	142	0.6	5	0.76	0.5	46	9	77	27	3.24	0.26	18	15	0.46	289	1	0.05	19	0.14	7	114	0.22	112	59
30	11250	5	0.6	3.90	11	148	0.7	5	0.77	0.4	40	10	54	40	4.65	0.26	15	19	0.58	390	1	0.05	22	0.31	11	114	0.25	149	92
31	13200E-11300N	55	0.6	3.58	3	149	0.6	5	0.88	0.4	44	9	59	32	3.12	0.28	17	17	0.50	488	1	0.05	17	0.16	4	144	0.25	117	106
32	13200E-11350N	5	0.4	3.58	2	136	0.6	5	0.95	0.2	43	8	84	22	3.94	0.26	16	17	0.51	357	2	0.05	16	0.18	5	154	0.28	146	80
33	11400	5	0.6	3.49	2	142	0.6	5	0.92	0.4	43	9	59	25	3.99	0.27	16	22	0.64	446	2	0.05	16	0.20	5	137	0.30	142	90
34	11450	5	0.2	3.94	2	155	0.7	5	0.76	0.4	44	9	57	32	4.41	0.31	18	26	0.64	378	1	0.06	19	0.25	7	113	0.27	144	88
35	11500	5	0.2	4.14	3	204	0.8	5	0.69	0.3	50	10	88	22	4.22	0.36	21	23	0.57	394	1	0.06	22	0.29	6	103	0.23	124	121
36	13200E-11550N	5	0.2	2.39	5	128	0.4	5	1.05	0.3	46	5	70	16	2.47	0.22	17	9	0.39	244	1	0.05	12	0.07	6	162	0.24	113	53

174p Pg 27

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	9108-080 Pg. 8 of 8
63	16400E-12000N	5	0.2	2.41	2	147	0.5	5	0.81	0.2	42	7	55	27	2.26	0.23	16	12	0.53	263	1	0.05	18	0.08	3	112	0.20	89	49	
64	12150	5	0.2	2.17	2	192	0.4	5	0.86	0.2	49	4	65	15	1.88	0.25	19	7	0.20	199	1	0.06	9	0.04	3	118	0.24	97	51	
65	12200	5	0.2	2.00	2	133	0.3	5	0.75	0.2	48	3	56	11	1.66	0.17	18	5	0.15	188	1	0.05	6	0.05	3	122	0.24	90	48	
66	12250	5	1.4	3.95	2	286	0.9	5	0.68	0.5	48	11	55	92	2.87	0.26	21	18	0.69	414	2	0.05	39	0.17	7	89	0.19	107	77	
67	16400E-12300N	5	0.4	2.18	4	164	0.5	5	0.76	0.2	46	10	67	28	2.47	0.23	17	10	0.42	420	2	0.05	17	0.06	4	107	0.19	97	55	
68	16400E-12350N	5	0.6	2.75	2	189	0.5	5	0.84	0.3	46	8	63	25	3.22	0.29	17	15	0.55	332	1	0.05	21	0.16	7	109	0.21	117	79	
69	12400	5	0.6	2.51	7	184	0.5	5	0.90	0.2	43	8	70	29	3.07	0.27	15	11	0.56	297	1	0.05	20	0.11	4	127	0.20	117	54	
70	12500	5	1.8	3.40	3	224	0.7	5	0.55	0.2	41	8	59	49	2.35	0.34	16	13	0.51	266	1	0.04	24	0.18	8	85	0.17	92	69	
71	12550	10	0.4	2.28	2	169	0.4	5	0.90	0.2	36	7	49	26	2.31	0.28	13	10	0.57	342	1	0.05	17	0.06	2	126	0.20	95	47	
72	16400E-12600N	5	0.6	2.63	4	159	0.5	5	0.89	0.2	39	9	55	28	2.53	0.29	15	13	0.61	356	1	0.05	18	0.07	2	121	0.21	99	61	
73	16400E-12650N	5	1.0	2.94	2	193	0.8	5	0.70	0.2	43	7	60	42	2.67	0.26	18	12	0.51	356	1	0.05	19	0.09	4	106	0.20	98	65	
74	12700	5	1.0	2.84	5	176	0.6	5	0.77	0.2	45	9	53	28	2.80	0.27	18	14	0.56	442	1	0.05	19	0.10	4	109	0.21	98	77	
75	12750	5	0.4	2.39	5	136	0.5	5	0.86	0.2	40	6	57	22	2.47	0.23	15	9	0.43	326	1	0.06	14	0.07	3	121	0.22	98	48	
76	12800	5	0.8	3.00	5	206	0.6	5	0.68	0.2	44	13	58	30	3.09	0.31	18	13	0.53	556	1	0.06	18	0.11	7	102	0.22	107	81	
77	16400E-12850N	5	0.4	2.32	5	157	0.5	5	0.86	0.2	40	8	84	23	2.27	0.26	15	10	0.54	305	1	0.05	20	0.07	3	122	0.21	94	50	
78	16400E-12900N	5	0.6	2.33	4	147	0.5	5	0.73	0.2	41	6	61	24	1.96	0.24	15	9	0.41	252	1	0.05	13	0.06	5	110	0.18	82	51	
79	12950	5	0.8	2.82	8	177	0.6	5	0.74	0.3	46	8	71	36	2.39	0.26	18	11	0.45	286	1	0.05	15	0.10	6	108	0.20	97	61	
80	13000	5	0.6	2.47	2	160	0.4	5	0.82	0.2	42	6	73	18	2.40	0.26	15	10	0.38	245	1	0.05	12	0.10	5	117	0.22	104	65	
81	13050	5	0.2	2.82	2	201	0.6	5	1.00	0.2	42	9	77	36	2.76	0.29	16	11	0.47	1312	1	0.05	17	0.11	2	140	0.24	117	77	
82	16400E-13100N	5	0.2	2.34	2	179	0.4	5	0.83	0.2	44	6	76	15	2.61	0.25	17	12	0.34	220	1	0.05	11	0.16	6	114	0.24	105	68	
83	16400E-13150N	5	0.4	2.73	3	184	0.5	5	0.85	0.3	52	7	66	26	2.12	0.30	20	12	0.43	291	1	0.05	15	0.09	7	119	0.23	94	58	
84	13200	5	0.2	3.31	6	207	0.7	5	0.94	0.2	48	11	73	45	3.35	0.35	18	16	0.71	421	1	0.06	26	0.09	5	124	0.23	125	68	
85	13250	5	0.2	2.50	4	146	0.4	5	0.85	0.2	49	5	72	15	2.43	0.28	19	12	0.34	264	1	0.05	11	0.11	5	123	0.25	105	60	
86	13300	5	0.2	2.97	6	198	0.7	5	0.92	0.2	56	10	76	25	3.24	0.39	22	16	0.60	400	2	0.06	22	0.11	5	119	0.22	112	82	
87	16400E-13350N	5	0.2	2.93	6	215	0.6	5	0.91	0.2	53	9	73	28	3.30	0.34	21	17	0.59	509	2	0.06	19	0.19	6	119	0.23	120	79	
88	16400E-13400N	5	0.8	2.46	7	214	0.6	5	0.92	0.4	52	17	76	38	2.47	0.32	21	9	0.39	1029	1	0.05	18	0.14	5	130	0.22	108	53	
89	13450	15	0.6	2.86	7	198	0.6	5	0.91	0.3	55	9	76	29	2.79	0.36	21	15	0.65	332	1	0.05	22	0.13	7	122	0.22	104	74	
90	13500	5	0.2	2.76	8	194	0.6	5	1.02	0.3	49	9	82	35	2.96	0.34	19	14	0.69	366	1	0.05	23	0.11	6	135	0.22	115	69	
91	13550	5	0.4	2.87	2	186	0.6	5	0.90	0.2	44	9	79	38	3.19	0.31	18	13	0.66	380	1	0.05	22	0.11	2	129	0.23	123	67	
92	16400E-13600N	5	0.4	2.74	2	177	0.6	5	0.88	0.2	44	8	64	40	2.90	0.28	18	13	0.62	351	1	0.05	20	0.10	4	124	0.22	112	66	
93	16400E-13650N	5	0.2	2.83	2	192	0.7	5	0.86	0.2	48	10	75	40	2.95	0.28	20	14	0.56	404	1	0.05	20	0.14	4	122	0.23	114	78	
94	16400E-13700N	5	0.6	2.75	3	229	0.6	5	0.91	0.4	47	10	78	35	3.22	0.30	19	14	0.55	527	1	0.06	19	0.15	3	124	0.24	121	86	

APPENDIX V

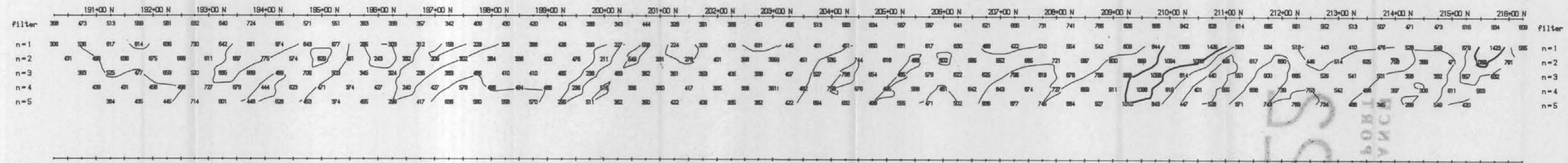
I.P. PSEUDO-SECTIONS



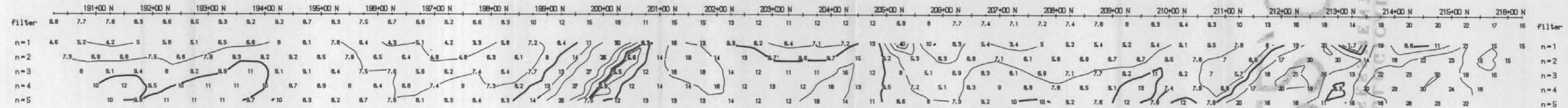
INTERPRETATION



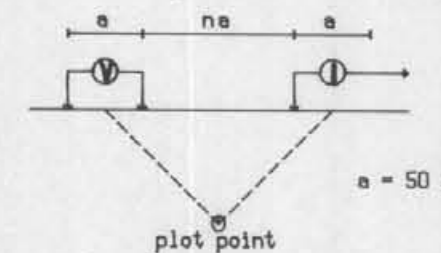
RESISTIVITY
(OHM_M)



IP
(mV/V)



Line 16000 E
Pole-Dipole Array



Filter



INTERPRETATION

RESISTIVITY
(OHM_M)

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

INTERPRETATION

- ▬ Strong increase in polarization
- ▬ Moderate increase in polarization
- ▬ Pronounced resistivity increase
- ▬ Pronounced resistivity decrease

Scale 1:5000



ALPHA PROPERTY

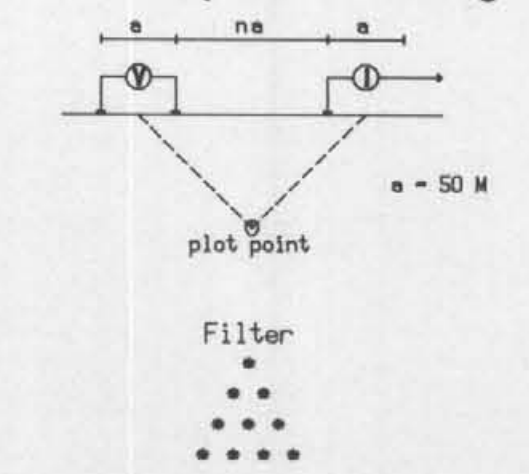
INDUCED POLARIZATION SURVEY
Line 16000 E
Project No. 288

Date: 91/06/25
Interpretation by: L. Bradish

norenda

A.R. 22022

Line 14800 E Pole-Dipole Array

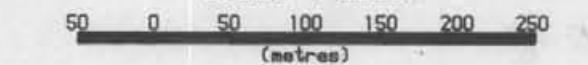


Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Pronounced resistivity increase
- Pronounced resistivity decrease

Scale 1:5000



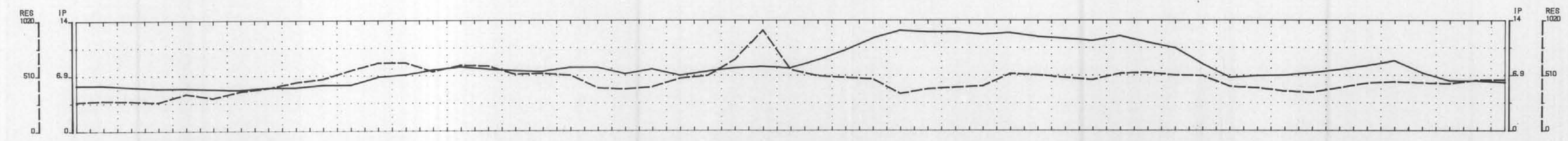
ALPHA PROPERTY

INDUCED POLARIZATION SURVEY
Line 14800 E
Project No. 288

Date: 91/06/25
Interpretation by: L. Bradish

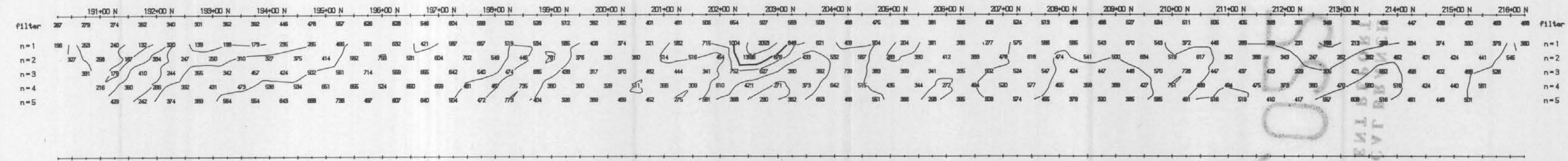
n o r a n d e

A.R. 22022



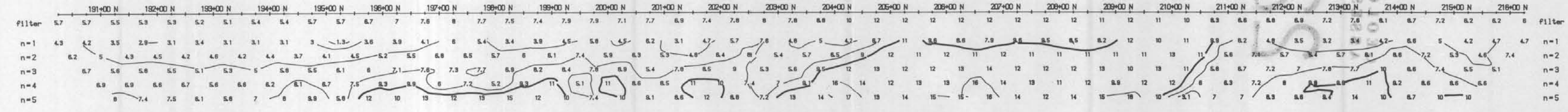
INTERPRETATION

RESISTIVITY (OHM.M)



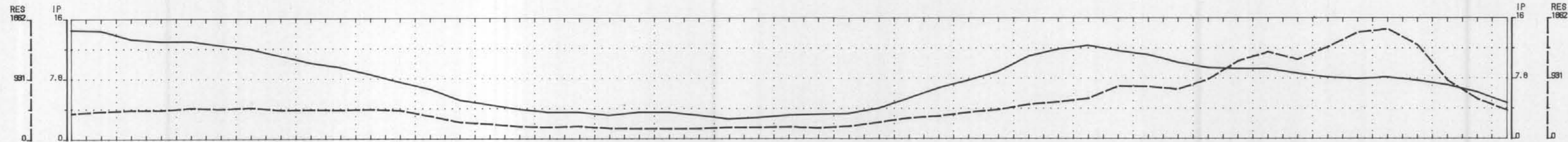
INTERPRETATION

RESISTIVITY (OHM.M)



IP (mV/V)

IP (mV/V)

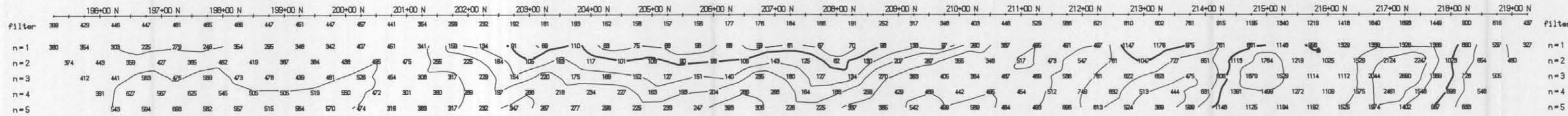


INTERPRETATION

INTERPRETATION

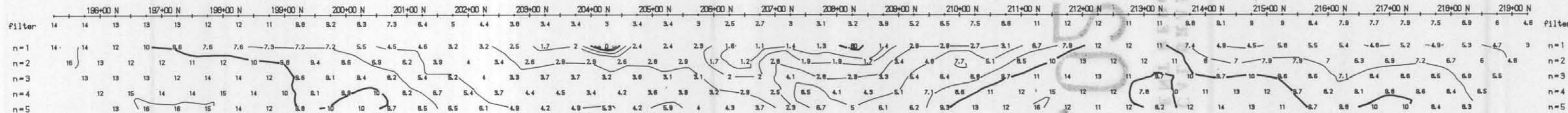
RESISTIVITY
(OHM_M)

RESISTIVITY
(OHM_M)

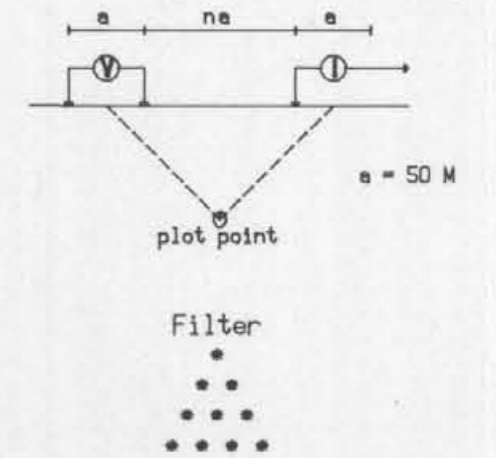


IP
(mV/V)

IP
(mV/V)



Line 14400 E Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

INTERPRETATION

- Strong increase in polarization
- Moderate increase in polarization
- Pronounced resistivity increase
- Pronounced resistivity decrease

Scale 1:5000



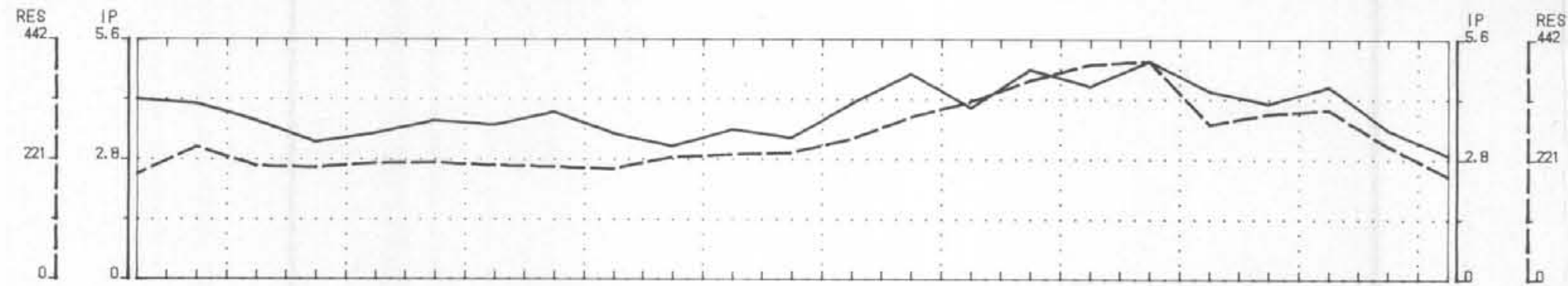
ALPHA PROPERTY

INDUCED POLARIZATION SURVEY
Line 14400 E
Project No. 288

Date: 91/06/25
Interpretation by: L. Bradish

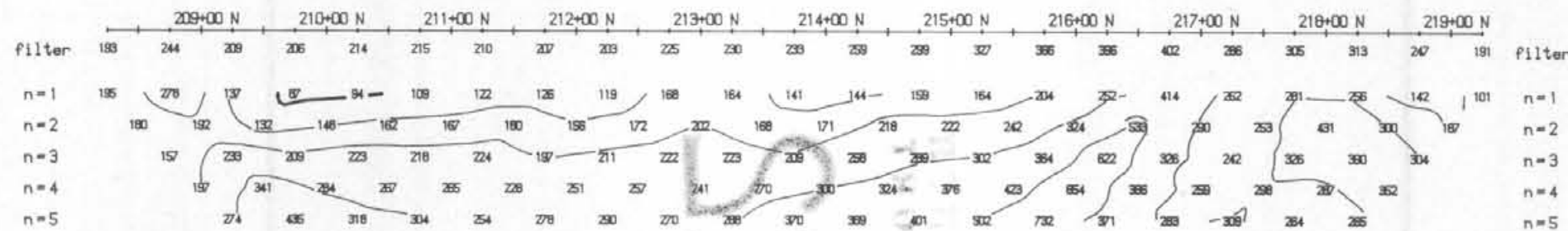
noranda

A.R. 22022



INTERPRETATION

RESISTIVITY
(OHM_M)



INTERPRETATION

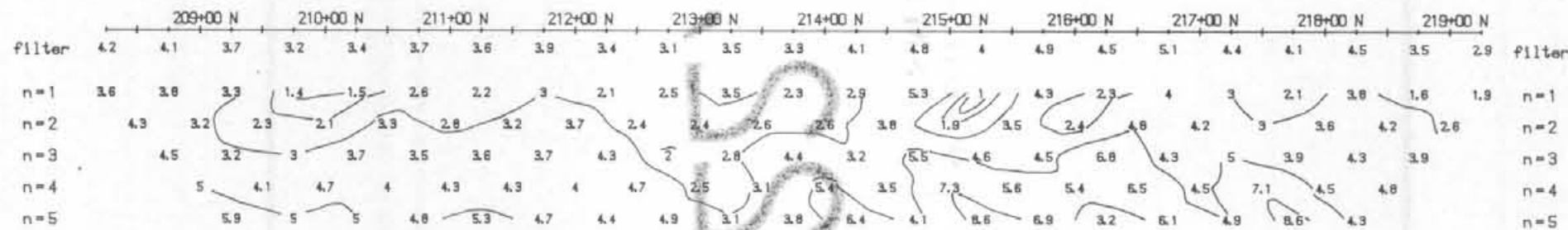
RESISTIVITY
(OHM_M)

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- ▬ Strong increase in polarization
- ▬▬▬▬ Moderate increase in polarization
- Pronounced resistivity increase
- ▬▬▬▬ Pronounced resistivity decrease

IP
(mV/V)



IP
(mV/V)



ALPHA PROPERTY

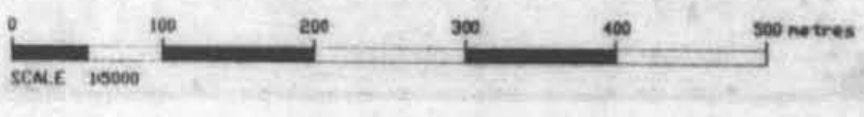
INDUCED POLARIZATION SURVEY
Line 14000 E
Project No. 288

Date: 91/06/25
Interpretation by: L. Bradish

noranda

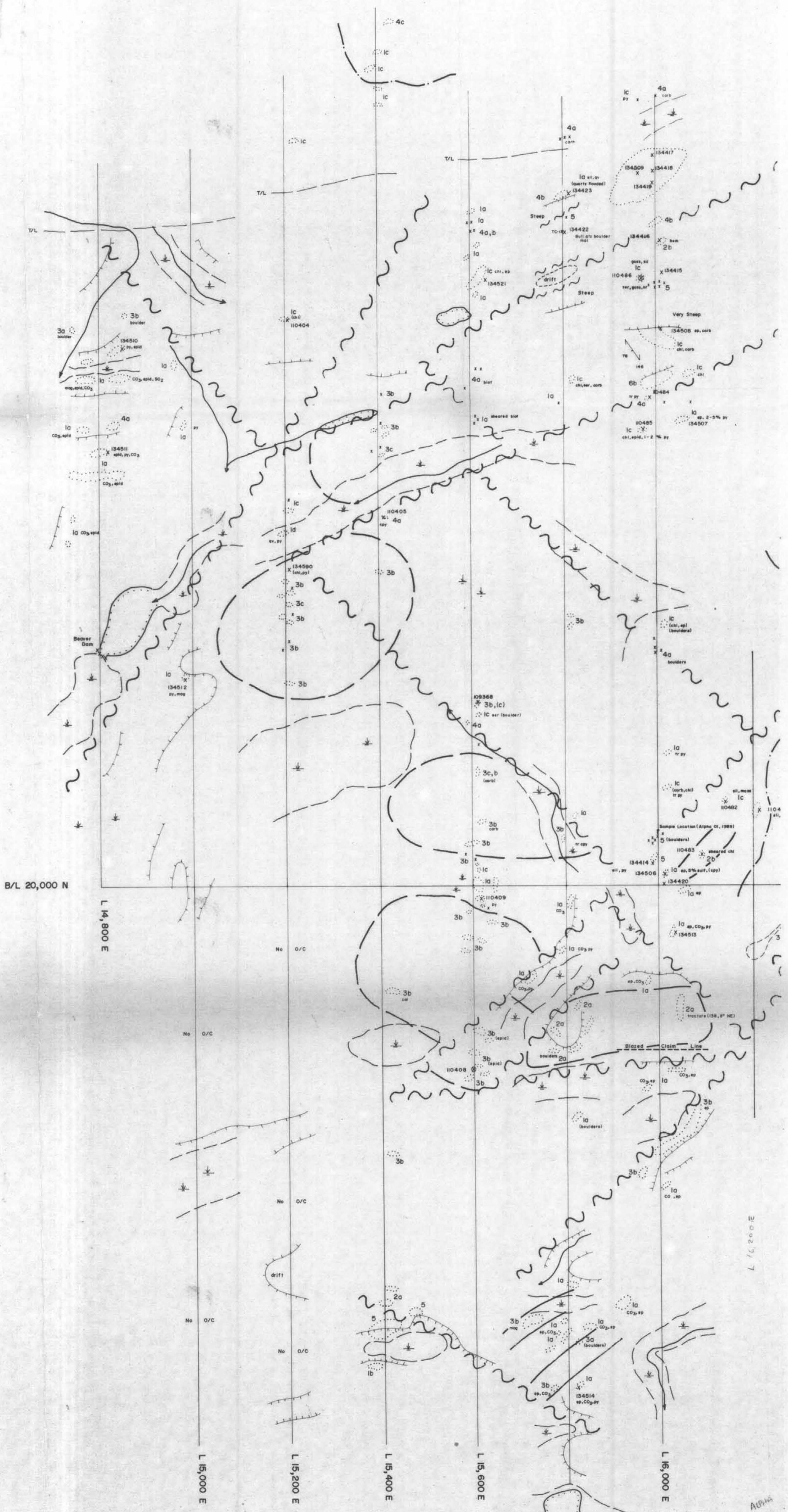
A.R. 22022

REVISED	ALPHA - BETA	
	GEOLOGICAL MAP (ALPHA GRID)	
PROJ. No. 288	SURVEY BY: P.J.L.	DATE: DEC. 1991
N.T.S.	DRAWN BY: P.J.L.	SCALE: 1:5000
DWG No FIG. 3.	NORANDA EXPLORATION	
	OFFICE: PRINCE GEORGE, B.C.	



GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,022



LEGEND

Geology

- 1 Mafic to Int. Volcanics
 - 1a Augite Porphyry
 - 1b Pillowed Flows
 - 1c Fine Graine Flows
 - 1d Trachyte
- 2 Felsic Intrusives
 - 2a Q.F. Monzonite
 - 2b Q.F.P.
 - 2c Syenite
- 3 Mafic Intrusives
 - 3a Diorite
 - 3b Gabbro
 - 3c Pyroxenite
- 4 Metamorphic Rocks
 - 4a Chlorite Schist
 - 4b Chlorite-Sericite Schist
 - 4c Q.E. - Chl - Ser - Schist
 - 4d Biotite Schist
- 5 Wolverine Rocks

Abbreviations

- | | |
|-----------------|--------------------|
| ab - Albitized | cal - Calcite |
| chl - Chlorite | cpy - Chalcopyrite |
| epid - Epidote | hem - Hematite |
| mag - Magnetite | mal - Malachite |
| py - Pyrite | qv - Quartz Vein |
| ser - Sericite | sil - Silicified |

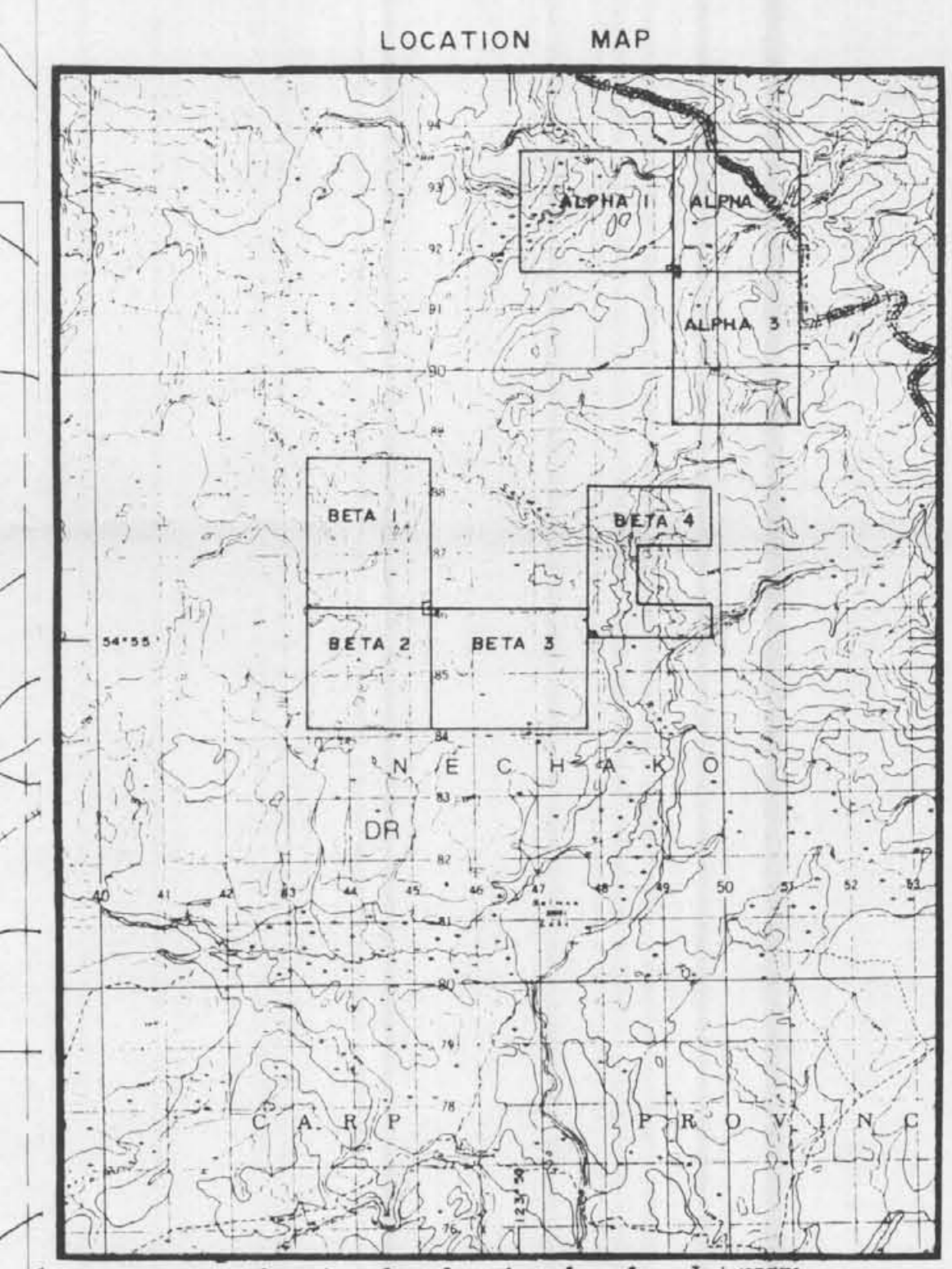
Symbols

- | | | | |
|-----------|------------------------|-----------|-------|
| — · — · — | Clearcut | — / — / — | Cliff |
| ~ ~ ~ | Creek | ○ | Lake |
| ==== | Road | ⊕ | Swamp |
| ○ | Outcrop: large / small | | |

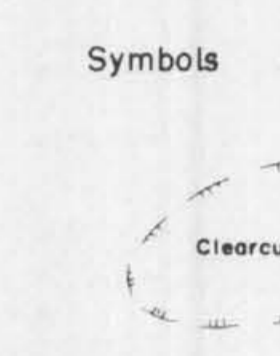
Sample Locations:

- | | |
|---|-------|
| ○ | Float |
| × | Rock |

Alpha



LEGEND



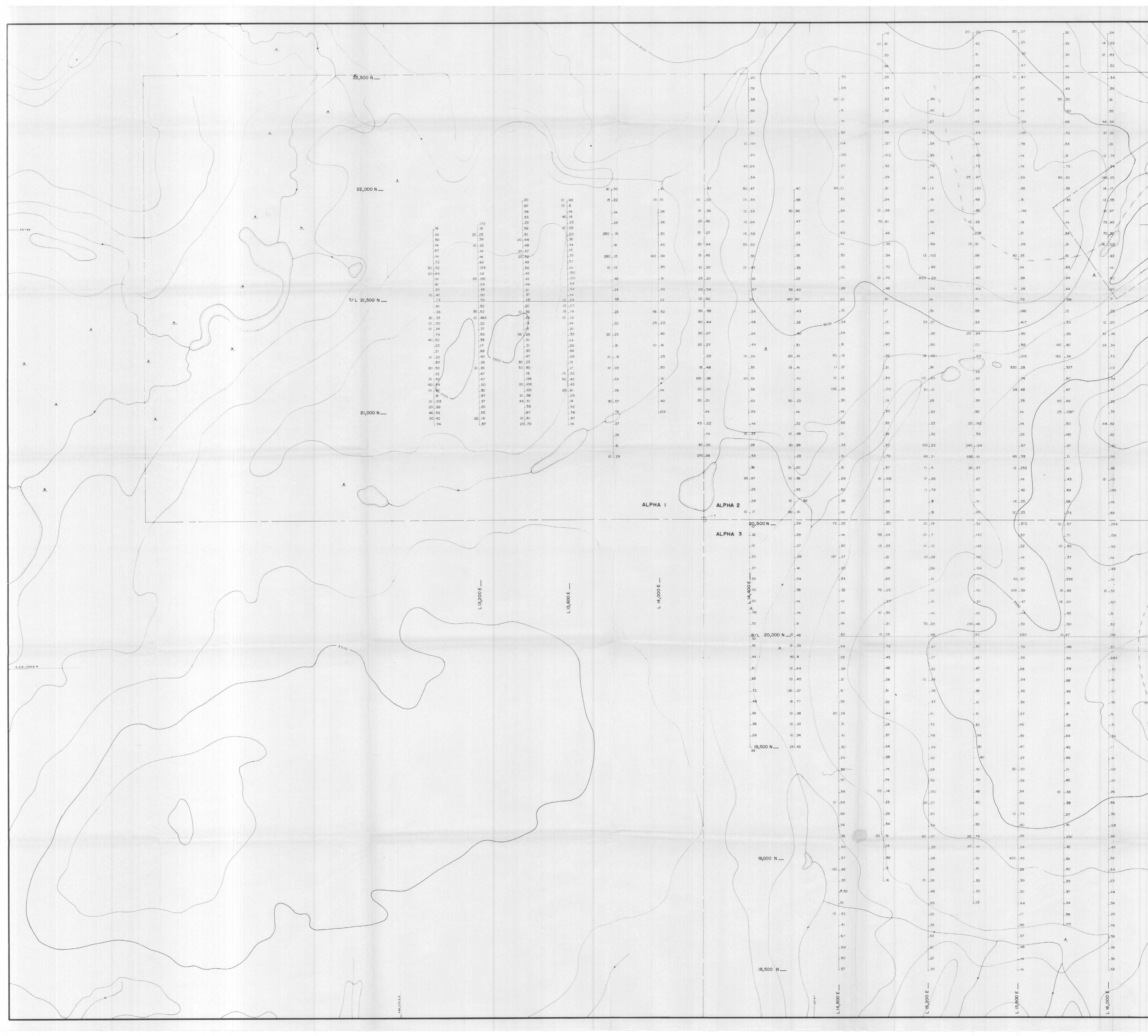
Au > 10(ppb) Cu(ppm) Soil Geochem Survey

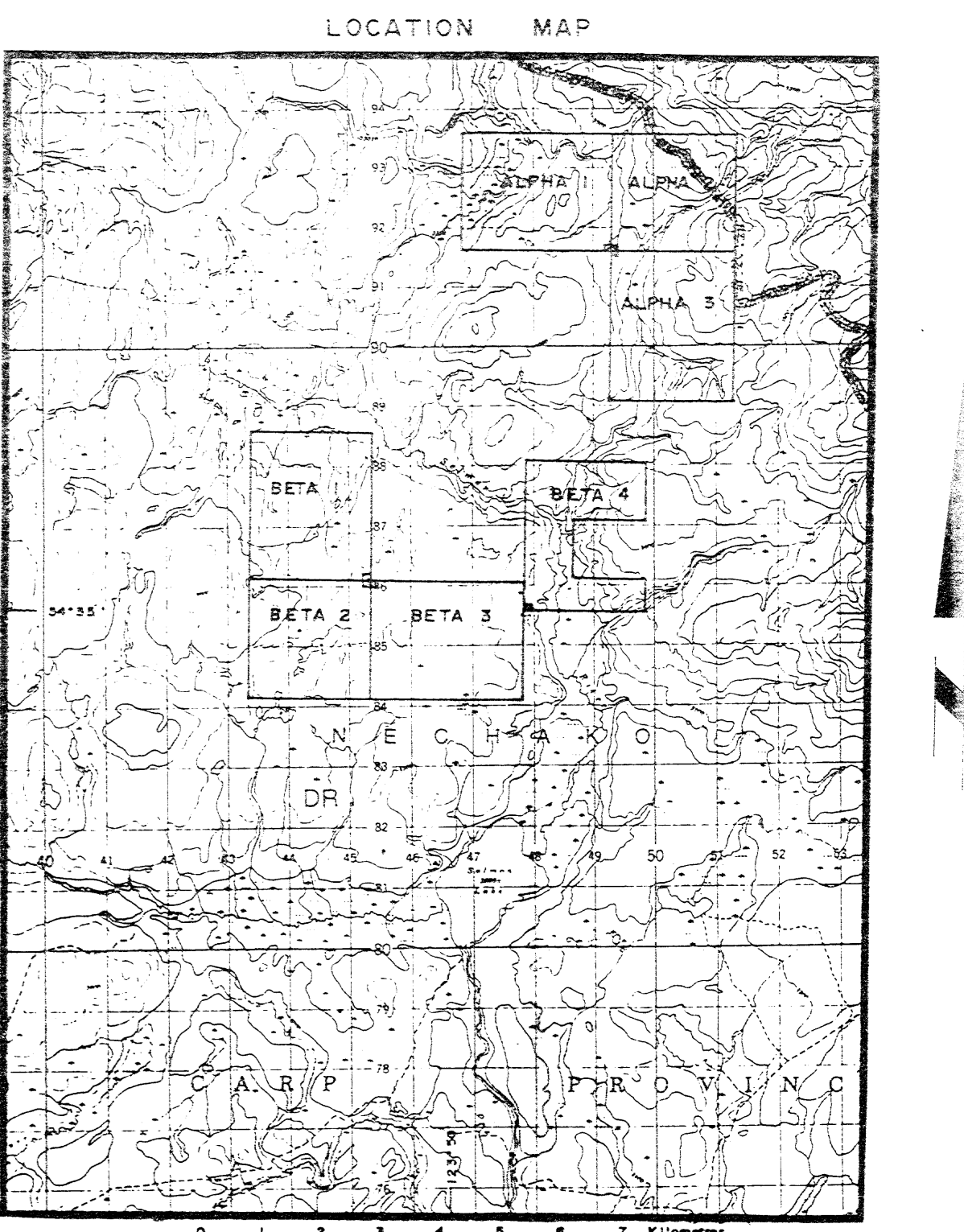
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

22,022

SCALE 1:5,000

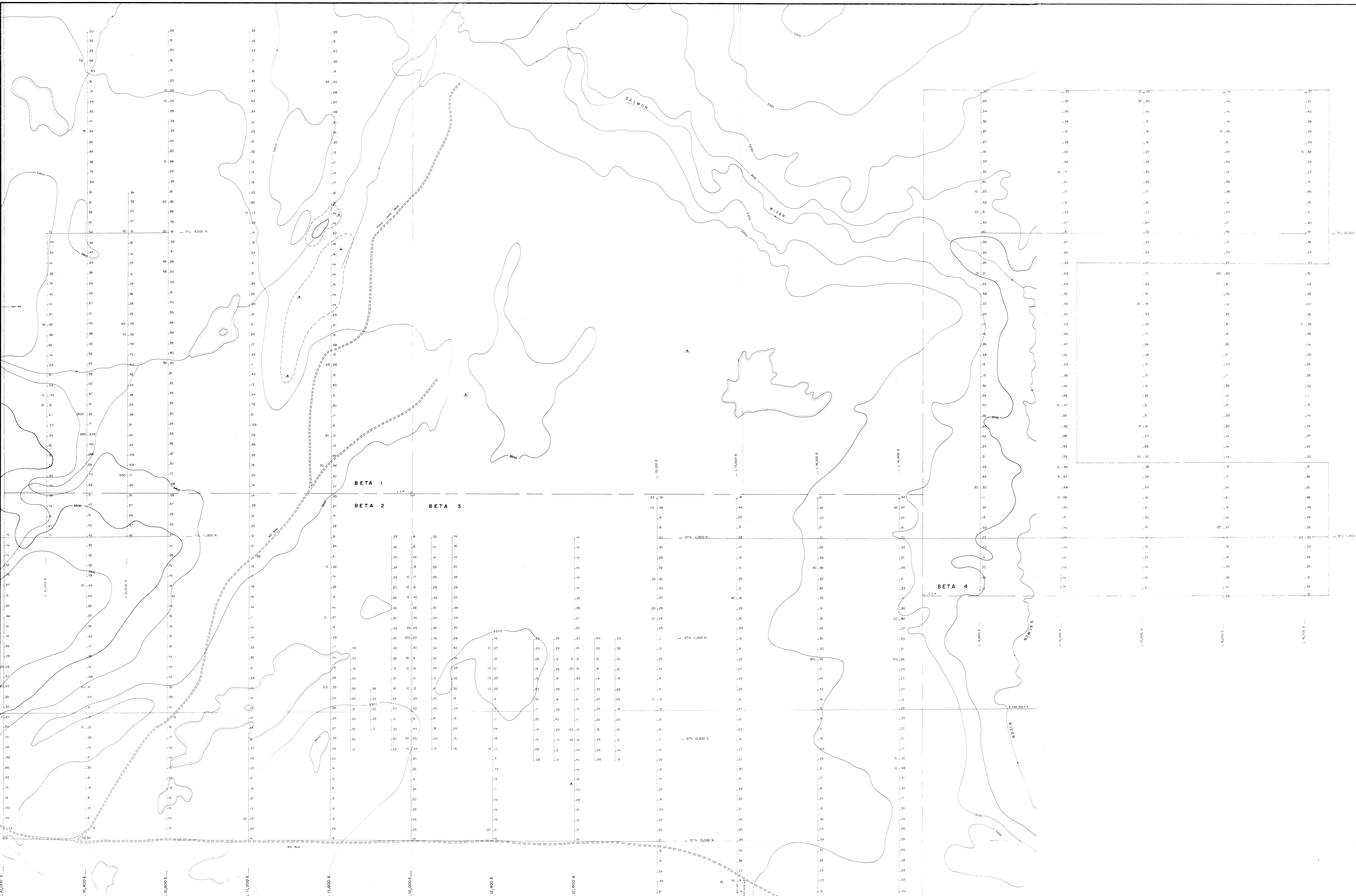
REVISED	ALPHA BETA OPTION	
NOV 7/90 P.J.L.	SOIL GEOCHEM SURVEY	
	Au(ppb) & Cu(ppm)	
PROJ. No.	SURVEY BY	DATE <i>DEC 91</i>
N.T.S. 93/713	S.K.B.	SCALE 1:5,000
DWG. No.	NORANDA EXPLORATION	
<i>F164</i>	OFFICE PRINCE GEORGE, B.C.	





LEGEND

Au > 10(ppb) Cu > 10(ppm) Soil Geochem Survey

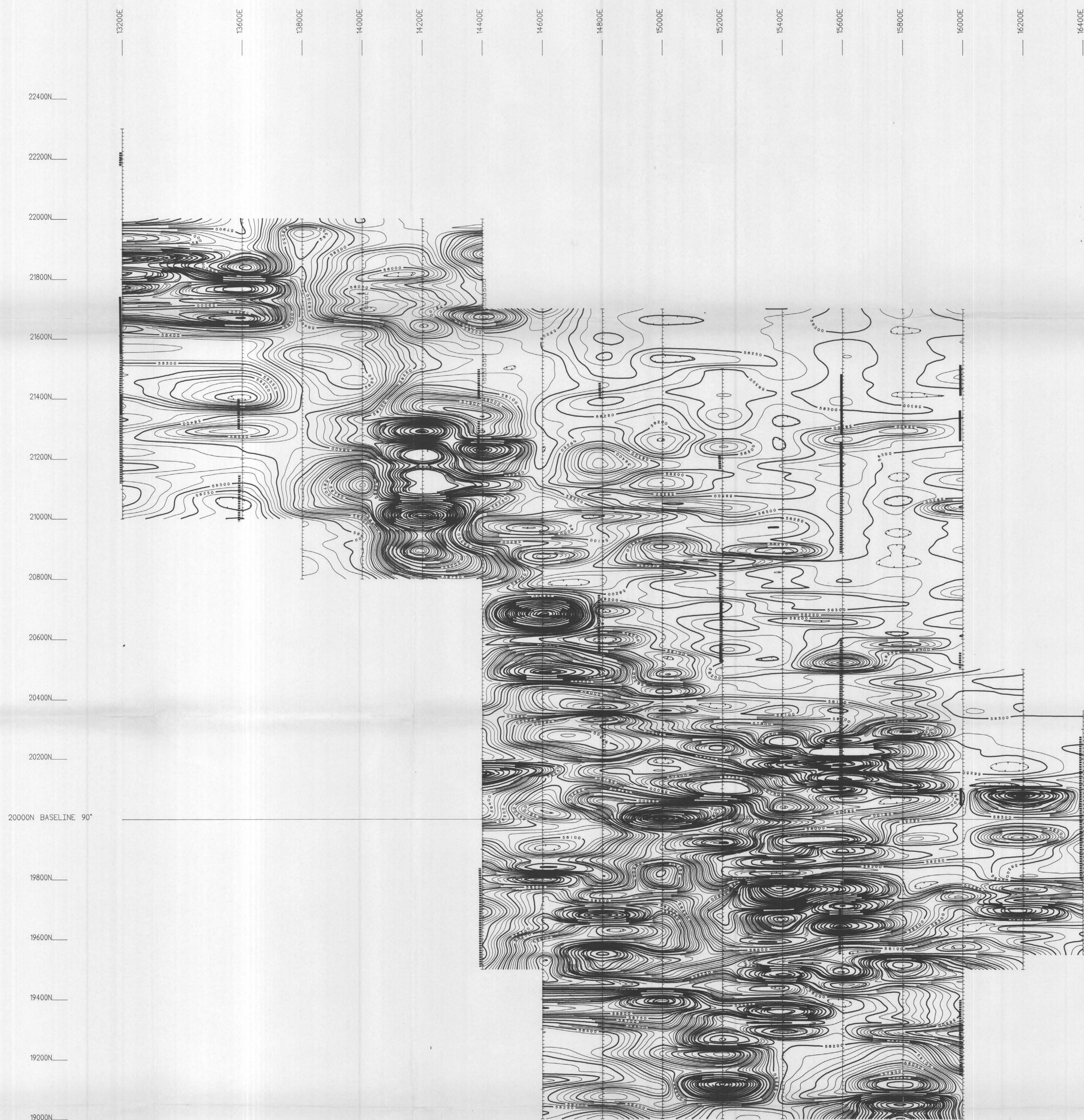


GEOLOGICAL BRANCH ASSESSMENT REPORT

22,022

REVISED	ALPHA BETA OPTION
NOV 9/80 P.L.	
DEC 9/91 P.L.	
	SOIL GEOCHEM SURVEY
	Au(ppb) & Cu(ppm)
NO. 288	SURVEY BY: S & S
N.T.S. 22/7/13	DATE: DEC 9/
DWG No	SCALE: 1:5,000
Fig 5	NORANDA EXPLORATION
	OFFICE: PRINCE GEORGE, B.C.

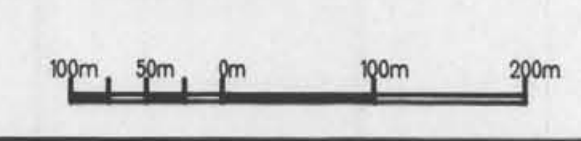
015 01422



GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,022

Instrument	: GSM
Field	: TOTAL
Datum	: 00 m
Contour Interval	:
Conductor Axis	:



ALPHA	
MAGNETOMETER SURVEY	
PROJECT: ALPHA PROJECT # : 288	
BASELINE AZIMUTH : 90 Deg.	
SCALE = 1 : 5000	DATE : 6/21/91
SURVEY BY : PACIFIC	NTS : 935/3
FILE: M288ALP	
NORANDA EXPLORATION	

Fig. 6.

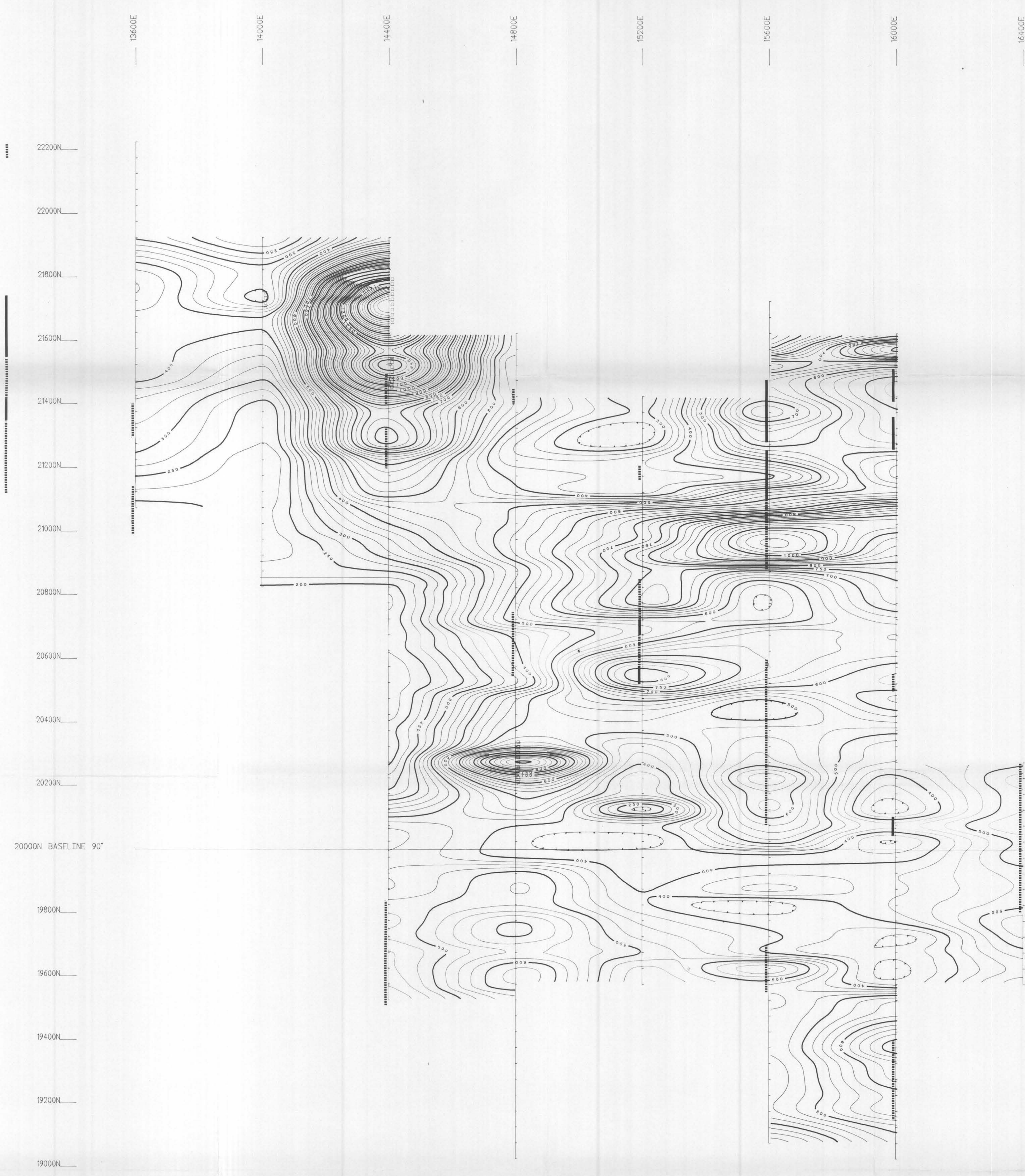


**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

22,022

Instrument	: SPI
Field	: msec
Datum	: 0.0 msec
Contour Interval	: 1 \ 5 msec
Conductor Axis	:

ALPHA-BETA	
I.P. SURVEY(Chargeability)	
PROJECT: ALPHA-BETA	PROJECT # : 288
BASELINE AZIMUTH : 90 Deg.	
SCALE = 1 : 5000	DATE : 6/28/91
SURVEY BY : PACIFIC	NTS : 93.5/13
FILE: M288IP	
Fig. 7	NORANDA EXPLORATION

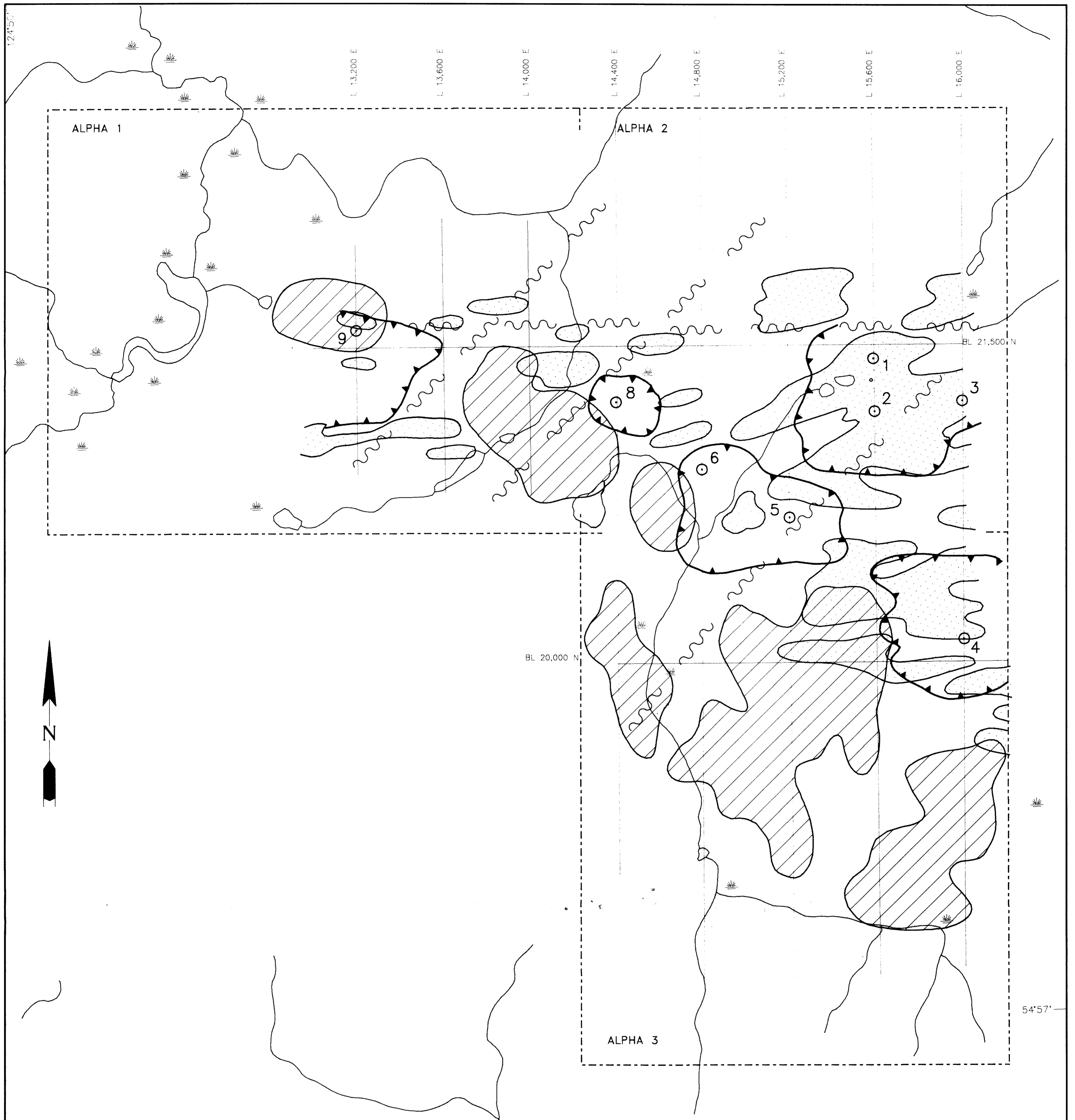


GEOLOGICAL BRANCH
ASSESSMENT REPORT






22,022

Instrument	: JTK
Field	: 0m-m
Datum	: 0.0 0m-m
Contour Interval	: 25 \ 100 0m-m
Conductor Axis	:

ALPHA-BETA	
I.P. SURVEY(Resistivity)	
PROJECT: ALPHA-BETA	PROJECT #: 288
BASELINE AZIMUTH : 90 Deg.	
SCALE = 1 : 5000	DATE : 6/28/91
SURVEY BY : PACIFIC	NTS : 935/3
FILE: M288IP	
Fig. B. NORANDA EXPLORATION	



LEGEND

-  Magnetic Anomalies
-  Cu and/or Au Soil Anomalies
-  IP Chargeability <10-40 mV/v
-  Possible Faults
-  Proposed Drill Holes

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,022



REVISED	ALPHA CLAIMS	
	Compilation Map	
PROJ. No. 288	SURVEY BY: P.J.L.	DATE: Dec. 1991
N.T.S. 93/13	DRAWN BY:	SCALE: 1 : 10000
DWG. No. FIG. 9	NORANDA EXPLORATION	
	OFFICE: PRINCE GEORGE, B.C.	