GEOLOGICAL, GEOCHEMICAL & GEOPHYSICAL

REPORT ON THE

EAGLE PROPERTY

(Eagle 1 to 5 Mineral Claims)

OMINECA MINING DIVISION

N.T.S. 93 N/02

Latitude: 55°12'
Longitude: 124°52'

NORANDA EXPLORATION COMPANY, LIMITED
(no personal liability)

Work Performed:
Sept 5, 1989 to Nov 5, 1989

REPORT BY: FRASER STEWART JUNE, 1990

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SUMMARY

The Eagle project is a copper-gold porphyry prospect situated in close proximity to several new Cu-Au prospects, including Mt. Milligan. The objective of the Eagle program was to evaluate the potential for a similar sized system. Soil geochemistry has outlined nine copper anomalies that encompass most of the grid area and several spot gold anomalies, all of which are coincident with the large copper anomalies. Three significant copper-gold showings have been identified on the property to date. The Induced Polarization survey has outlined several anomalous zones that are interpreted to be moderate to strong conductors. The magnetometer survey has outlined a large highly magnetic zone in the south surrounded by a much lower magnetic halo; indicative of a large intrusive body and a possible alteration zone.

Several drill targets have already been outlined, but additional gridwork, soiling and geophysics are recommended to best exploit the property.

INTRODUCTION

PURPOSE:

The Eagle property was staked to cover two porphyry style Cu showings situated in the same geological setting as the Mt. Milligan Cu-Au porphyry, 50 km to the east.

The 1989 field work consisted of geochemical, magnetometer, geologic, and induced polarization surveys between and around the known copper showings and were designed to evaluate the size potential and precious metal content of the known mineral system.

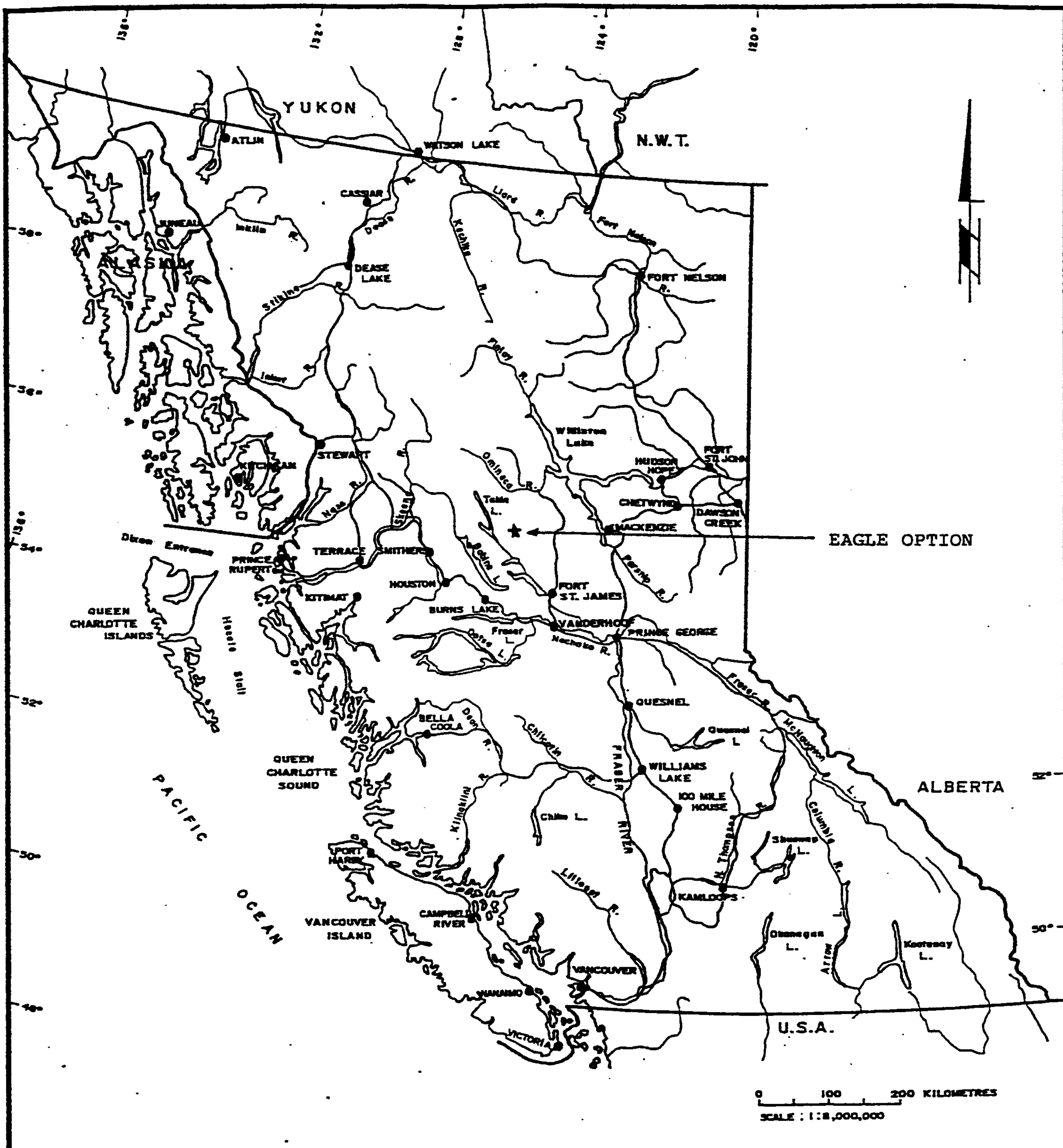
LOCATION & ACCESS:

The Eagle property is located in the Omineca Mining Division, approximately 210 km northwest of Prince George. The grid work was done on the southern shore at the east end of Tchentlo lake (see Figures 1 & 2).

Access to the property can be gained by a 23 km boat ride from the Tchentlo Lake Lodge at the west end of the lake, or by float plane and helicopter out of Fort St. James. The property is situated 15 km from all weather logging roads to the south.

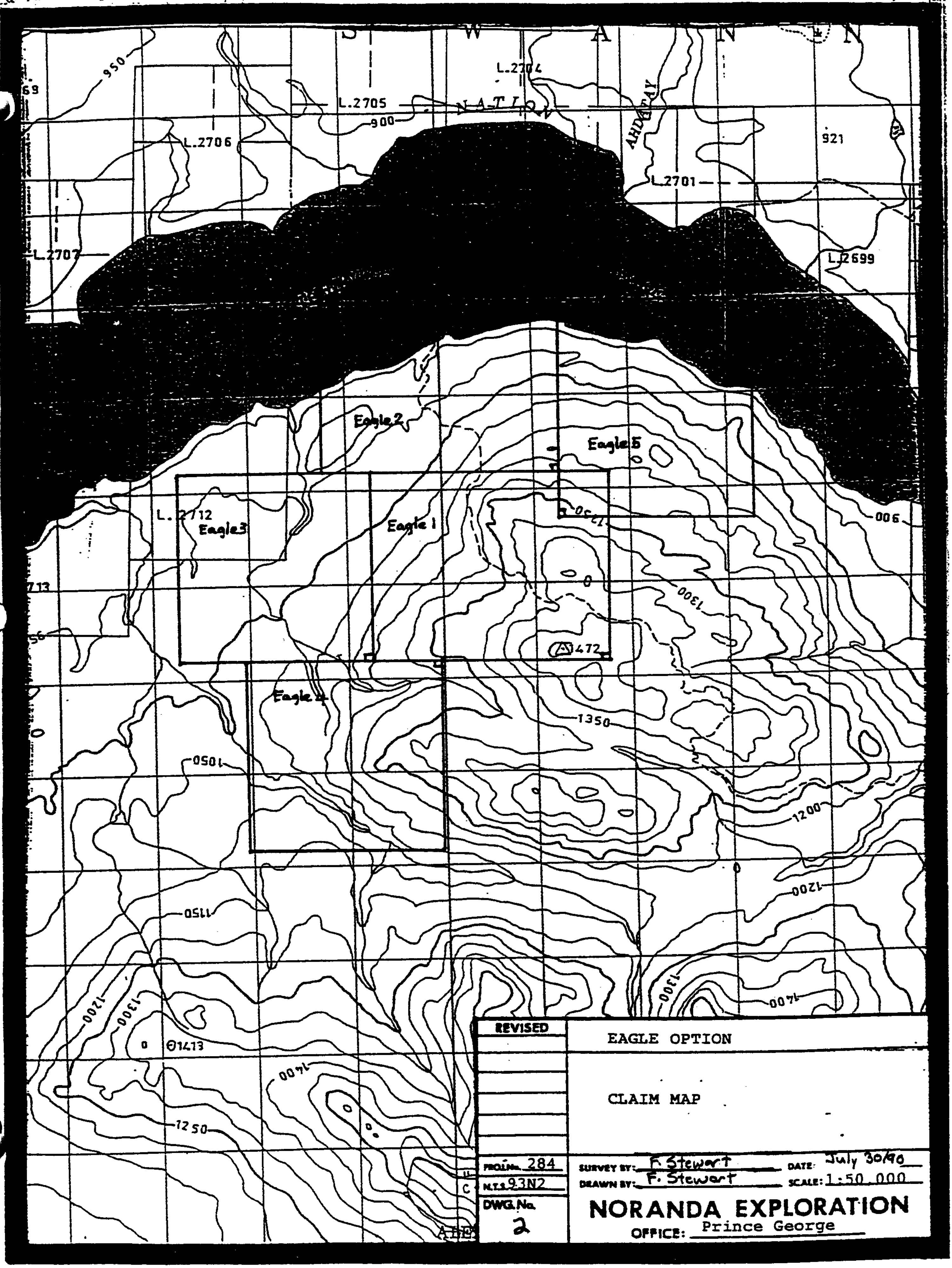
PHYSIOGRAPHY:

The property is located on a gently sloping mountain with an elevation range from 872 metres to 1472 metres. The vegetation is dominantly mature spruce, pine and balsam in the lower areas, while higher up the hill, scrub spruce and pine along with slide alder tend to dominate. There are also common swamp regions which consist of willow and devils club.



REVISED	
	LOCATION MAP
	EAGLE OPTION
PROJ. No. 284	SURVEY BY: F. Stewart DATE: July 30/90
N.T.S. 93N	DRAWN BY: F. Stewart SCALE: 1:8,000,000
DWG. No. 1	NORANDA EXPLORATION OFFICE: PRINCE GEORGE, B.C.

VANCAL 11827



L.2704
L.2705
L.2706
L.2707
L.2701
L.2699
L.2712
950
900
921
Eagle 1
Eagle 2
Eagle 3
Eagle 4
Eagle 5
1300
1350
1472
1200
1050
1150
1400
1413
1250
REVISED
EAGLE OPTION
CLAIM MAP
PROJ.No. 284
N.T.S. 93N2
DWG.No. 2
SURVEY BY: F. Stewart
DRAWN BY: F. Stewart
DATE: July 30/90
SCALE: 1:50,000
NORANDA EXPLORATION
OFFICE: Prince George

CLAIM STATISTICS:

The Eagle property consist of 5 claims listed in the table below. Noranda Exploration holds an option to acquire the Eagle 1 & 2 claims from the owner, W. H. Halleran. The Eagle 3, 4, and 5 claims were staked by Noranda for W. H. Halleran and are part of the option agreement. The claims are shown in Figure 3.

Name	Record #	Units	Due Date	Owner
Eagle 1	9577	20	July 22/90	W.H. Halleran
Eagle 2	9578	20	July 22/90	"
Eagle 3	10606	16	June 4/90	Noranda
Eagle 4	10607	12	June 4/90	Noranda
Eagle 5	10810	20	June 5/90	Noranda

PREVIOUS WORK:

The earliest recorded work on the property was done on behalf of the West Coast Mining and Exploration Company in August 1966. An Induced Polarization survey was completed on the Nighthawk claim group over the Nighthawk copper showings. The survey delineated a steeply westward dipping responsive body with an estimated thickness of 100 to 200 feet. A second I.P. survey was conducted on the property in 1967. This survey covered an expanded grid in the area of the Nighthawk showings. Three primary anomalies were outlined, one of which is located over the Nighthawk zone. This anomaly was interpreted to be dipping steeply eastward.

The Boranda Exploration Corporation Ltd. conducted work on the property in April to July 1971, which included an EM survey, magnetometer survey, induced polarization survey and a geochemical survey. All of these surveys were done at 1000 foot line spacing and 100 to 200 foot sample spacing. This work covered much of the area on the south shore of Tchentlo Lake.

Several anomalous areas were outlined by the soil geochemistry and geophysics surveys. It was reported that small copper showings were found associated with north trending shears. Samples were analyzed for copper only. Drill core found on the property indicates that approximately 3,000' of diamond drilling had been completed in 1971 and 1974 in the area around the Nighthawk showing, unfortunately no records are available.

There has been no work reported since the 1971 work.

The Eagle 1 and 2 claims were then staked in July 1988 by W. H. Halleran. This area was chosen because of it's known copper showings, aeromagnetic signature, and it's similarity to the Mount Milligan and Tas properties (see Figure 3).

REGIONAL GEOLOGY:

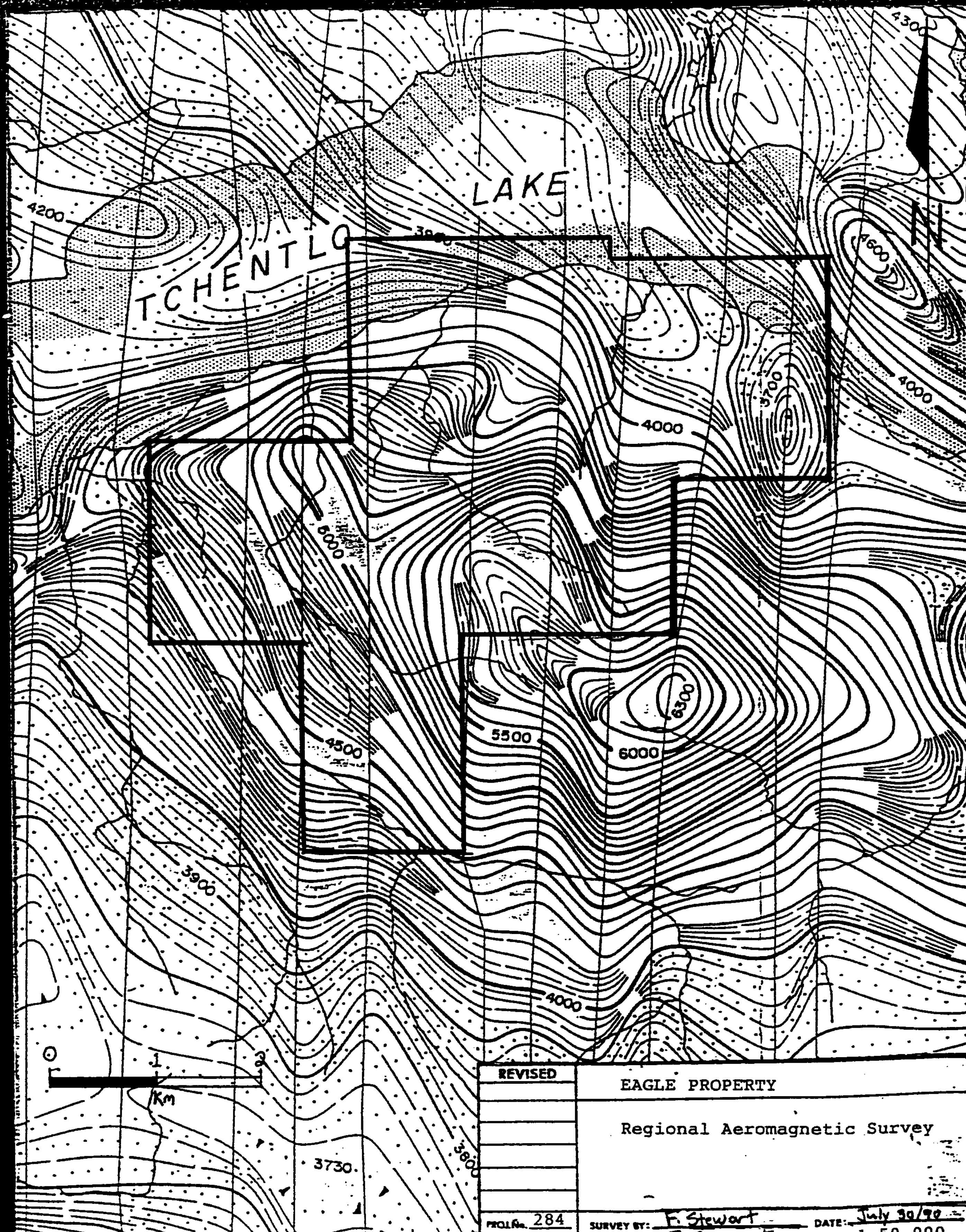
The dominant structural feature in the area of the Eagle property is the Pinchi Fault zone. To the west of the Pinchi Fault are the Permian rocks of the Cache Creek Group, and to the east are the Upper Triassic-Lower Jurassic rocks of the Takla Group. The Pinchi Fault zone is trending approximately 160 degrees and runs through the western leg of Tchentlo lake.

The Takla Group rocks are found in a large structural feature called the Quesnel Trough, which is a subdivision of the Intermontane tectonic belt. The Quesnel Trough is fault bounded to the west by the Pinchi Fault, and to the east by a major eastward merging shear zone. The narrow belt of rocks in the Quesnel trough have been traced southward to beyond the international border.

The Quesnel Trough was the site of extensive island-arc volcanism and associated volcanic derived sedimentation. These rocks are members of the Takla Group and are Upper Triassic to Lower Jurassic in age. The most common lithologies within this group are: argillites, augite porphyries, feldspar porphyries, and andesitic tuffs, flows and breccias.

Block faulting and tilting are the dominant structural styles in and around the Quesnel Trough. The Quesnel trough is in fault contact with older rocks to the east and west and is therefore thought to be a graben.

The Upper Triassic to Middle Jurassic Hogem batholith along with other "Omineca Intrusives" intrude the Takla Group rocks of the Quesnel trough. Garnett et. al, suggests; "There are three phases of the Hogem batholith distinguished on the basis of age and lithology. The earliest phase I consists of diorites, monzonites, and granodiorites. A later phase II consists mainly of syenites. The latest phase III consists of granites and quartz syenites."



REVISED	EAGLE PROPERTY
	Regional Aeromagnetic Survey
PROJ.No. 284	SURVEY BY: F. Stewart DATE: July 30/90
N.T.S. 93 N2	DRAWN BY: F. Stewart SCALE: 1:50,000
DWG. No. 3	NORANDA EXPLORATION OFFICE: Prince George, B.C.

PROPERTY GEOLOGY:

The Eagle property and surrounding area are underlain by the Upper Triassic-Lower Jurassic Takla group. The Takla group is comprised of andesitic and basaltic volcanics, tuffs, breccias, argillites, and shales. The Takla group was later intruded by several phases of the upper Triassic to lower Jurassic Hogem batholith and other "Omineca Intrusions". The Eagle claim group covers an intrusive body that is dominantly a diorite. There are also some small dykes and irregular shaped bodies that have compositions varying from gabbro to granite, but these comprise only a small part of the main intrusive body. Towards the western boundary of the Eagle 3 and 4 claims, there was a biotite hornfels that was interpreted to be the contact zone with the Takla volcanics.

The dominant intrusive phase is light grey green in colour, medium to coarse grained diorite containing 70-80% plagioclase, 5-15% magnetite, 5-10% hornblende, 5-10% augite, and 1-5% biotite. A second intrusive phase consists of a light grey medium to coarse grained monzonite containing 50-60% plagioclase, 5-20% K-feldspar, 5-15% magnetite, 5-10% hornblende, 5-10% augite and 1-5% biotite. The sulfides present include pyrite and chalcopyrite; with the content varying from trace in the host rock up to veins of semi-massive sulfide at the Vector showing. Other reported intrusive types including granite and gabbro have only rare occurrences which are usually as small dykes.

Three significant Cu-Au showings have been identified to date: 1) the Nighthawk, 2) the Mid, 3) the Vector.

The Nighthawk showing is located near the highest point of the property. The showing consists of disseminated to semi-massive pockets and stockwork veinlets of chalcopyrite and pyrite in altered diorite. Alteration includes chlorite and epidote, and can be easily observed in areas of strong copper mineralization. Past diamond drilling was focused on this zone, but unfortunately, results are not available.

The Mid Zone is located in an area of very strong propylitic alteration. The showing is a shear zone approximately 2 m wide that contains 15-20% pyrite and chalcopyrite in a strong chloritic alteration zone. This showing is only exposed over a few metres in the road cut.

The Vector Zone in the north part of the property is a fairly significant copper showing that can be traced in outcrop for up to 350 metres along a creek. This zone contains strong to intense propylitic alteration through most of the strike length. The zones of propylitic alteration invariably contain 2-3% pyrite and 2-5% chalcopyrite. The most common mode of occurrence of the sulfides is as fracture filling veinlets 1 mm to 8 cm thick (semi-massive sulfide) surrounded by a albite-chlorite-magnetite alteration halo with pervasive finely disseminated sulfides. There are some occurrences of the sulfides with massive magnetite in what appears to be a brecciated zone of the intrusive.

These intrusive rocks are moderately fractured with the principle shear zones trending northwest which corresponds to the orientation of the Pinchi fault zone to the west. The two dominant fractures have average orientations of: 1) strike 150°, dip 65° East, and, 2) strike 50°, dip 40° West. The main copper showings are associated with these northwest trending shear zones, with the three main showings forming a roughly linear feature striking at approximately 150°.

WORK UNDERTAKEN

A total of 366 man days were spent working on the Eagle project between September 5, 1989 and November 5, 1989.

LINECUTTING:

A total of 30 km of grid lines and access roads were cut. The baseline of the existing grid was cut approximately 2.5 km at 133 degrees. Wing lines were cut 1 km east and west of the baseline every 400 metres. In the area of L41600-43625N, the line spacing was 200 metres. An old access road was re-cut from Tchentlo Lake to the south end of the grid.

GEOCHEMISTRY:

A total of 996 B-horizon soil samples were taken using grub hoes and soil augers from depths ranging from 15 to 60 cm. The soil samples were placed in kraft wet-strength paper bags, dried, then shipped to Noranda's lab in Vancouver, B.C. for analysis. They were then analyzed for copper and gold and plotted on 1:5,000 scale maps, Figures 4 & 5 (at the rear of this report). Results are in Appendix IV.

ROCK SAMPLING:

A total of 98 rock samples were collected from the Eagle property. These were shipped to Acme Analytical Laboratories Ltd., Vancouver, B.C. and analyzed by 30 element ICP method and Au. (Appendix IV).

GEOPHYSICS:

During October 1989, geophysical surveys consisting of magnetics and time-domain I.P. were completed in the grid area. A total of 13 km of Induced Polarization survey and 32.5 km of magnetometer survey were completed. The magnetometer survey covers most of the grid from L40000-L43625N, 39000E-41000E. The induced polarization survey covers most of the grid from L41600N, 39000-41000E to L43625N, 39000-41000E.

Instrumentation -

The magnetometer survey was completed by Noranda personnel and employed an EDA magnetometer system which enabled collected data to be corrected for diurnal variations to an accuracy of 1 to 2 nT via a recording base station. The I.P. surveys were also carried out by Noranda personnel and employed a BRGM IP6 time-domain receiver and a Phoenix Geophysics transmitter. A 50 meter dipole-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 while the magnetic data is presented in contoured, plan form at a scale of 1:5000 (see Figures 7 & 8).

Discussion of Survey Results -

A. Magnetics Survey

The survey data of the original contoured magnetic map has been processed using a 7-point moving average filter applied to each survey line to yield a smoother magnetic map. The magnetic interpretation has been transferred to the original map from the filtered map and shows three types of susceptibility signatures.

1) A dominant, very active zone of high magnitudes exhibiting very sharp gradients that are probably a result of very local magnetic features such as disseminated magnetite which is known to occur frequently within highly altered intrusive rocks. This signature could be considered bounded by the 500 nT contour and

is especially prevalent in the general SW area of the grid while also being found in the extreme NW corner. A dike-like feature (#7) near the baseline trends roughly parallel to the baseline across Lines 43400N - 42825N.

2) A very low susceptibility unit (alteration?) which could be considered bounded by and has lower values than the datum level contour; it is found mainly in the area east of the baseline. Linear breaks (#3,5,6,8) are prevalent. A narrow and very elongated feature (#1) lies W of the baseline striking across Lines 43000N - 41400N. Because of its stretched appearance and its isolation from the rest of the unit, it is believed to be associated with a suspected break that lies immediately to its south.

3) The remainder of the grid shows a magnetic unit which is considerably less active and intense than Unit 1 with local gradients of up to approximately 500 nT. In the areas east of the baseline, this unit appears as "islands" cut by features #5,6,8 of Unit 2. Some areas of this unit are especially quiet (eg. the area east of feature #1). These quiet areas may represent a discrete magnetic unit.

There is an especially sharp contact between Units 1 and 3 at Lines 40600N - 40000/40200E. Very high Au geochem results are found in this contact area.

All 3 units are present in the area of magnetic features #3 and #4. Features #3 and #4 may be fault expressions brought about by, or causing this contact area. This contact area seems to be controlling the western extent of a broad anomalous geochem area since no significant geochem results are present west of the baseline.

Feature #2 is a distinct body, possibly a narrow, vertical prism, of different susceptibility than the magnetic units discussed above. Its ends well defined by the dipolar contour signatures.

B. I.P. SURVEY

L.43625N: Two broad I.P. zones are outlined here. A shallow, strong polarizable zone is located at the west end of the line. Two high resistivity zones are also identified.

L.43225N: A strong, shallow chargeability zone is centred at 39650E which is directly associated with a high resistivity zone.

A moderate, very shallow I.P. signature with a coincident resistivity response is found at 39900E.

L.43000N: A strong, wide I.P. zone of limited depth extent with coincidental resistivity response is centred at 40000E and is the extension of the moderate anomaly from the previous line. This zone is marked "A" and is coincident with the magnetic dike feature.

L.42825N: A strong, depth limited I.P. response outcrops and is centred at 40450E and lies between two high resistivity structures which also outcrop. This anomaly, called Zone B, corresponds to a known showing and a spot high Au geochem. The eastern resistivity structure at 40650E appears to be either depth limited or an off-line response with its terminus lying near. The 2 bulls-eye I.P. anomalies at the east portion of the line are considered to be noisy and hence invalid. Readings at the extreme west end are also noisy and have not been recorded.

L.42600N: Zone B continues although it weakens from the previous line. A weak, shallow I.P. anomaly is open at the east end of the line. Structural control could explain the severe bending of the zone here.

L.42425N: Zone B outcrops, strengthens and continues. The depth extent of the zone here is more limited than on L.42825N. A wide, deep and moderate I.P. zone with a complex associated resistivity signature lies immediately to the east of Zone B.

L.42200N: Zone B weakens and narrows. A moderate I.P. response with moderate resistivity lies open at the west end of the line.

L.42200N: Zone C develops at 39850E, and is associated with moderate resistivity, with the top of the source lying at depth (30m). At the west end, Zone D2 appears to blossom at depth with D1 developing at surface. Both are found within highly resistive rocks. A very weak, shallow I.P. response at 40275E may be a continuation of Zone B. At the east end, two chargeable bodies, one shallow and the other at depth, are associated with high resistivity structures.

L.41600N: Zone C is interpreted to broaden and shallow out. Zone B possibly strengthens but is of very limited depth extent. Zone D1 goes to depth while another zone, D3, develops.

CONCLUSIONS

Three significant Cu-Au showings have been identified to date. A large moderate to strong copper geochem anomaly is present over most of the existing grid area. There are several small gold geochem anomalies present as well.

There were several different conductive bodies discovered during the I.P. survey. Some of these anomalies coincide with known mineralization while others are covered with overburden. The I.P. anomalies coinciding with known mineralization offer excellent drill targets.

The magnetic survey shows several areas of distinct magnetic signature. The most dominant is an area of very high (>500 nT) magnetic intensity in the central portion of the grid. This coincides almost exactly with the main copper soil anomaly which covers an area of 2.2 km x 1.0 km. This geochem anomaly includes both the Nighthawk and Mid Showings.

RECOMMENDATIONS

The grid should be extended to the eastern border of the property. These lines should all be soil sampled, prospected, and mapped. The magnetometer survey should also be conducted to cover the eastern part of the property. A more extensive I.P. survey should be conducted in areas of poor bedrock exposure that have significant geochem anomalies. Several drill targets have already been identified from the I.P. survey and prospecting; these should be drilled.

REFERENCES

GARNETT, J. A., (1978): Geology and Mineral Occurrences of the Southern Hogem Batholith, Bulletin No. 70, MEMPR.

JEMMETT, J. P., VEERMAN, H. (1966): Geophysical Report, Induced Polarization Survey, Night Hawk Group of Claims, B.C. Assessment Report No. 851.

McFALL, C. C., SAWYER, J. B. P. (1971): Nation Copper Project, Geophysical, Geochemical and Geological Surveys, B.C. Assessment Report No. 3337.

MOURITSEN, S. A., MOURITSEN, G. A. (1967): Geophysical Report on Induced Polarization Survey for West Coast Mining and Exploration on the Nation Copper and Alexander Lake Properties, B.C. Assessment Report No. 1056.

SCHMIDT, U., (1989): Summary Report on the Eagle Property, Omineca Mining Division.

APPENDIX I: LIST OF FIELD PERSONNEL - EAGLE PROPERTY - 1989

Name/Address	Position	Dates Worked	Man Days
Fraser Stewart	Geologist	10-31 Oct	22
Prince George, BC		01-05 Nov	5
		27-30 Nov	4
Andrew Turner	Geologist	05-30 Sept	26
Edmonton, Alta		01-15 Oct	15
		02-05 Nov	4
Mark Liskowich	Geologist	08-30 Sept	23
Regina, Sask		01-10 Oct	10
Bill Kerby	Geophysical	20-31 Oct	11
Vancouver, BC	Assistant		
Ted Wong	Geophysicist	20-31 Oct	11
Vancouver, BC			
Robert Head	Field Assistant	05-08 Nov	4
Prince George, BC		15-31 Oct	17
Brian Harders	Field Assistant	10-15 Oct	6
Prince George, BC		05-09 Nov	5
Steve Kicey	Field Assistant	10-31 oct	22
Prince George, BC		05-13 Nov	9
Dave Harders	Field Assistant	09-30 Sept	22
Prince George, BC		01-06 Oct	6
		18-23 Oct	6
Bruce Beler	Field Assistant	03-08 Sept	6
Telkwa, BC		12-16 Sept	5
Andrew Ferguson	Field Assistant	07-30 Sept	24
Tasmania		01-09 Oct	9
		18-31 Oct	14
Roy Harders	Field Assistant	11-30 Sept	24
Prince George, BC		01-15 Oct	15
		19-25 Oct	7
Richard Harders	Field Assistant	09-30 Sept	22
Prince George, BC		01-06 Oct	6
		TOTAL MAN DAYS:	366

APPENDIX II: STATEMENT OF COSTS - EAGLE PROPERTY - 1989
(work completed - Sept 5 - Nov 5, 1989)

FIELD PERSONNEL:	
22 man days @ $175	$ 3,850.00
344 man days @ $120	$ 41,280.00
FOOD & ACCOMMODATION:	
366 man days @ $50	$ 18,300.00
TRUCK RENTALS:	$ 1,500.00
HELICOPTER SUPPORT:	$ 700.00
FLOATPLANE SUPPORT:	$ 750.00
EQUIPMENT & SUPPLIES:	
366 man days @ $20.00	$ 7,320.00
GEOPHYSICAL EQUIPMENT RENTAL:	$ 1,750.00
LABORATORY ANALYSIS:	
996 soil samples @ $8.00	$ 7,968.00
98 rock samples @ $12.00	$ 1,176.00
REPORT PREPARATION:	
Author	$ 150.00
Drafting	$ 300.00
Typing	$ 50.00
TOTAL COSTS:	$ 85,094.00

APPENDIX III: STATEMENTS OF QUALIFICATIONS

Fraser Stewart	Field Geologist
Ted Wong	Field Geophysicist
Andrew Turner	Field Geologist
Mark Liskowich	Field Geologist

APPENDIX

STATEMENT OF QUALIFICATIONS

I, FRASER J. STEWART, hereby certify that:

1. I am a geologist residing at 302 - 1910 Renwick Crescent, Prince George, B. C.

2. I graduated from the University of Alberta in April 1989, with the degree of Bachelor of Science in Geology.

3. I have been employed by Noranda Exploration Company, Limited as a geologist since May 1989.

4. I personally took part in the surveys described in this report and that this report is based upon a personal knowledge of the property.

Fraser J. Stewart, (B.Sc.)

STATEMENT OF QUALIFICATIONS

I, Ted Wong, of the City of Vancouver, Province of British Columbia, hereby certify that:

1. I am a geophysicist residing in Burnaby, B.C.

2. I have graduated from the University of British Columbia in 1983 with a B.Sc. in Geophysics.

3. I am a professional geophysicist, registered with the Association of Professional Engineers, Geologists and Geophysicists of Alberta. I am a licensed professional geophysicist, registered with the Association of Professional Engineers, Geologists and Geophysicists of the Northwest Territories.

4. I have practised by profession on a continual basis since 1984.

5. I have been employed by Noranda Exploration Company, Limited since September, 1989.

Ted Wong

Ted T. Wong, P. Geoph.

STATEMENT OF QUALIFICATIONS

I, Andrew J. Turner, of Edmonton, Province of Alterta, do hereby certify that:

1. I am a Geologist residing at #1210 Hillsborough Place, Edmonton, Alberta.

2. I am a graduate of the University of Alberta with a B.Sc. (Honors) in Geology (1989).

3. I am a member in training with the Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA).

4. I have been a contract Field Geologist with Noranda Exploration Company, Limited (no personal liability) since May, 1989.

Andrew J. Turner
Field Geologist

STATEMENT OF QUALIFICATIONS

RELEVANT TRAINING:

B.Sc. (1989)	University of Regina Regina, Saskatchewan Geology

RELEVANT EXPERIENCE:

May 1989 ...	Field Geologist Noranda Exploration Company, Limited Prince George, B. C.
May 1988-Aug. 1988	Senior Geological Assistant CaMeco/Sask. Mining & Development Corp. La Rouge, Sask.
May 1987-Aug. 1987	Geological Assistant Saskatchewan Mining & Development Corp. La Rouge, Sask.
June 1986-Aug. 1986	Geological Assistant Saskatchewan Energy & Mines Precambrian Division Regina, Sask.

PROFESSIONAL AFFILIATIONS:

Member, Saskatchewan Geological Society.

Mark Liskowich
Field Geologist
July, 1989

APPENDIX IV: ANALYSIS REPORTS

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION:EAGLE CODE : 8910-036

Project No. :284 Sheet:1 of 16 Date rec'd:OCT.18
Material :843 SOILS Geol.:A.T. Date compl:OCT.24
Remarks :

Values in PPM, except where noted.

T.T. No.	SAMPLE No.	Cu	PPB Au
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3	39050	110	5
4	39075	110	5
5	39100	256	5
6	39125	116	5
7	39150	154	5
8	39175	50	5
9	39200	202	5
10	39225	236	5
11	39250	86	5
12	39275	104	5
13	39300	112	5
14	39325	136	5
15	39350	120	5
16	39375	78	5
17	39400	100	5
18	39425	178	5
	39450	50	5
20	39475	74	5
21	39500	82	5
22	39525	248	5
23	39550	218	5
24	39575	66	5
25	39600	104	5
26	39625	64	5
27	39650	68	5
28	39675	74	5
29	39700	54	5
30	39725	68	20
31	40300	54	10
32	40325	42	5
33	40350	66	5
34	40375	130	10
35	40400	84	5
36	40425	370	5
37	40450	164	5
38	40475	102	5
39	40500	182	5
40	40525	128	5
41	40550	78	5
42	40575	76	5
43	40600	104	5
	40625	182	5
	40650	140	5
46	40675	144	30
47	40700	36	10
48	40725	142	5
49	40200N-40750E	120	5

RECEIVED
NOV - 2 1989

Copy to Ford

file Eagle

T.T. No.	SAMPLE No.	Cu	PPB Au
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51	40800	62	5
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53	40850	68	5
54	40875	64	5
55	40900	66	5
56	40925	64	5
57	40950	38	5
58	40975	62	5
59	40200N-41000E	70	5
60	40600N-39000E	20	5
61	39025	40	5
62	39050	40	5
63	39075	48	5
64	39100	54	5
65	39125 org.	320	5
66	39150	56	5
67	39175	42	5
68	39250	62	5
69	39275	40	800
70	39300	36	5
71	39325	44	5
72	39350	56	5
73	39375	94	5
74	39400	114	5
[illegible]	39425	98	5
[illegible]	39450	370	5
77	39475	82	5
78	39500	124	5
79	39525	90	5
80	39550 org.	350	5
81	39575	194	15
82	39600 org.	172	5
83	39625	52	5
84	39650	172	5
85	39675	40	5
86	39700	154	5
87	39725	54	5
88	39750	152	5
89	39775	130	5
90	39800	22	5
91	39825	48	5
92	39850	136	5
93	39875	540	5
94	39900	380	5
95	39925	224	5
96	39950	150	5
97	39975	50	5
98	40000	480	5
99	40025	980	5
100	CHECK NL-6	50	–
[illegible]	40050	2300	5
[illegible]	40075	1800	10
103	40100	3500	5
104	40125	300	5
105	40150	330	5
106	40600N-40175E	330	5

T.T. No.	SAMPLE No.	Cu	PPB Au
[illegible]	40600N-40200E	82	5
[illegible]	40225	218	5
109	40250	94	5
110	40275	150	5
111	40300	92	5
112	40325	170	5
113	40350	410	5
114	40375	74	5
115	40400	138	5
116	40425	100	5
117	40450	74	130
118	40475	130	5
119	40500	102	5
120	40525	76	5
121	40550	390	5
122	40575	34	5
123	40600	98	5
124	40625	46	5
125	40650	218	5
126	40675	100	5
127	40700	70	5
128	40725	34	5
129	40750	60	5
130	40775	142	5
131	40800	112	20
[illegible]	40825 org.	36	5
[illegible]	40850	102	5
134	40875	218	5
135	40900	56	5
136	40925	124	5
137	40950	76	5
138	40975	132	5
139	40600N-41000E	162	5
140	41000N-40000E	164	5
141	40025	350	50
142	40050	300	5
143	40075	232	10
144	40100	220	20
145	40125	180	5
146	40150	730	5
147	40175	94	10
148	40225	62	10
149	40250	122	10
150	40275	84	10
2	40300	100	5
3	40325	72	5
4	40350	42	5
5	40375	226	5
6	40400	146	5
7	40425	112	10
8	40450	108	170
9	40500	970	15
[illegible]	40525	142	5
11	40550	30	5
12	40575	22	5
13	40600	80	10
14	41000N-40625E	78	10

T.T. No.	SAMPLE No.		Cu	PPB Au
	41000N-40650E		80	5
16	40675		80	5
17	40700		62	5
18	40725		72	5
19	40750		50	5
20	40775		22	5
21	40800		102	5
22	40825		64	5
23	40900		66	5
24	40950		176	5
25	40975		54	5
26	41000N-41000E		180	5
27	41200N-39125E		40	5
28	39175		146	5
29	39200		24	5
30	39225		30	5
31	39250		36	5
32	39275		34	5
33	39375		132	5
34	39400		66	5
35	39425		88	5
36	39450		280	5
37	39475		212	5
38	39500		64	5
39	39525		62	5
	39550		710	5
	39575		96	5
42	39600		218	5
43	39625	org.	340	5
44	39650	org.	180	5
45	39675		260	5
46	39700		108	5
47	41200N-39725E	org.	62	5
48	41400N-39000E		64	5
49	39025		56	5
50	39150		28	5
51	39175		134	5
52	39200		140	5
53	39225		140	5
54	39250		204	5
55	39275		86	5
56	39300		60	5
57	39325		80	5
58	39350		36	5
59	39375		74	5
60	39400		74	5
61	39425		76	5
62	39450		102	5
63	39475		104	5
64	39500		82	5
65	39525		108	5
	39550		156	5
67	39600		138	5
68	39675		130	5
69	39700		94	5
70	39725	org.	1500	5
71	41400N-39750E		54	5

T. T. No.	SAMPLE No.	Cu	PPB Au
[illegible]	41400N-39775E	22	5
73	39800	24	5
74	39825	32	5
75	39850	54	5
76	39875	32	5
77	39900	320	5
78	39925	450	20
79	39950	600	5
80	39975	670	10
81	40000	610	5
82	40025	900	50
83	40050	320	10
84	40075	50	5
85	40100	64	5
86	40125	118	5
87	40150	96	5
88	40175	114	5
89	40200	114	20
90	40225	94	5
91	40250	290	5
92	40275	106	5
93	40300	120	25
94	40325	92	5
95	40350	80	5
96	40400	106	5
[illegible]	40450	194	5
[illegible]	40475	258	5
99	40525	60	5
100	CHECK NL-6	50	-
101	40550	60	5
102	40575	720	5
103	40600	76	5
104	40625	86	5
105	40650	36	5
106	40675	46	5
107	40700	44	5
108	40750	920	5
109	40775	1500	10
110	40825	38	5
111	40850	82	5
112	40875	76	5
113	40900	96	10
114	41400N-40950E	102	5
115	41600N-39100E	22	5
116	39375	22	5
117	39400	64	5
118	39425	38	5
119	39450	42	5
120	39525	74	5
121	39550	300	5
122	39575	440	5
[illegible]	39600	18	5
124	39625	80	5
125	39675	74	5
126	39700	104	5
127	39725	90	5
128	41600N-39750E	154	5

T.T. No.	SAMPLE No.	Cu	PPB Au
1[illegible]	41600N-39775E	202	5
130	39800	170	5
131	39825	78	5
132	39850	160	5
133	39875	610	10
134	39900	430	15
135	39925	74	5
136	39950	62	5
137	39975	34	5
138	40000	650	5
139	40025	800	35
140	40050	780	10
141	40075	188	10
142	40100	600	10
143	40125	1150	50
144	40150	790	10
145	40175	220	10
146	40200	220	10
147	40225	530	20
148	40250	390	15
149	40275	172	5
150	40300	2100	5
2	40325	174	10
3	40350	116	15
4	40400	136	5
[illegible]	40425	500	10
[illegible]	40450	108	30
7	40475	66	15
8	40500	36	20
9	40525	42	20
10	40550	116	10
11	40575 org.	570	10
12	40600 org.	880	5
13	40625	146	5
14	40675	540	5
15	40725	198	5
16	40750	370	10
17	40825	3200	15
18	40850	126	5
19	40875	54	10
20	40900	440	15
21	40925	252	40
22	40950	120	5
23	40975	20	10
24	41600N-41000E	28	5
25	41800N-39000E org.	330	10
26	39025	88	5
27	39050	26	5
28	39075	74	5
29	39100	80	15
30	39125 org.	22	5
[illegible]	39150	18	10
[illegible]	39175	18	5
33	39200	410	40
34	39225	310	15
35	39250	50	5
36	41800N-39275E	22	5

T.T. No.	SAMPLE No.	Cu	PPB Au
[illegible]	41800N-39300E	26	5
38	39325	40	5
39	39350	40	5
40	39375	32	10
41	39400	44	10
42	39425	46	5
43	39450	234	5
44	39475	160	5
45	39500	330	5
46	39525	202	10
47	39550	216	30
48	39575	66	10
49	39600	74	5
50	39625	134	5
51	39650	48	5
52	39675	74	5
53	39700	66	5
54	39725	152	5
55	39750	290	10
56	39775	34	5
57	39800	128	5
58	39825	110	5
59	39850	72	5
60	39875	82	5
61	39900 org.	104	5
62	39925	28	5
[illegible]3	39950	50	5
64	39975	168	5
65	40000	114	5
66	40025	144	5
67	40050	1040	20
68	40075	510	20
69	40100	3000	5
70	40125	116	5
71	40150	680	80
72	40175	176	5
73	40200	510	15
74	40225	138	5
75	40275	150	5
76	40300	330	10
77	40325	128	5
78	40350	2300	10
79	40375	5600	5
80	40400	530	10
81	40425	730	50
82	40450	188	5
83	40475	62	5
84	40500	380	5
85	40525	70	5
86	40550	66	50
87	40600	330	5
[illegible]3	40625	32	5
[illegible]	40650	32	5
90	40675	34	5
91	40875	440	5
92	40900	500	5
93	41800N-40925E	800	5

T. T. No.	SAMPLE No.	Cu	PPB Au
[illegible]	41800N-40950E	750	5
95	40975	490	5
96	41800N-41000E	610	5
97	42000N-39000E	30	5
98	39025	26	5
99	39050	28	5
100	CHECK NL-6	52	-
101	39075	28	5
102	39100	30	5
103	39125	30	5
104	39150	36	5
105	39175	48	5
106	39200	28	5
107	39225	34	5
108	39250	160	5
109	39275	22	5
110	39300	60	15
111	39350	42	5
112	39400	16	5
113	39425	32	5
114	39450	22	5
115	39475	32	5
116	39500	30	5
117	39525	86	5
118	39550 org.	34	5
119	39575	20	5
[illegible]	39600	10	5
121	39625	12	5
122	39650	10	20
123	39675	12	5
124	39700	22	10
125	39725	100	5
126	39750	30	5
127	39775	12	5
128	39800	36	5
129	39825	22	5
130	39850	58	5
131	39875	400	5
132	39900	430	5
133	39925	34	5
134	39950	340	5
135	39975	48	5
136	40000	62	5
137	40025 org.	2000	5
138	40050	270	5
139	40075	64	5
140	40100	70	5
141	40125	570	5
142	40150	680	5
143	40175	20	5
144	40200	28	15
[illegible]	40225	32	5
[illegible]	40250	16	5
147	40275	40	5
148	40300	32	5
149	40325	36	5
150	42000N-40350E	34	5

T. T. No.	SAMPLE No.	Cu	PPB Au
	42000N-40375E	44	5
3	40400	42	5
4	40425	14	5
5	40450	16	5
6	40475	22	5
7	40500	64	5
8	40525	90	5
9	40550	20	5
10	40575	20	5
11	40600	20	5
12	40625	880	5
13	40650	910	5
14	40675	670	5
15	40700	36	5
16	40725	14	5
17	40750	12	5
18	40775	14	5
19	40800	12	5
20	40825	48	5
21	40850	36	5
22	40875	160	5
23	40900	70	5
24	40925	34	5
25	40950	114	5
26	40975 org.	660	5
27	42000N-41000E org?	540	5
	42200N-39500E	16	5
29	39525	12	5
30	39550	16	5
31	39575	26	5
32	39600	22	5
33	39625	20	5
34	39700	22	5
35	39800	20	5
36	39825	20	5
37	39850	26	5
38	39875	254	5
39	39900	36	5
40	39925	26	5
41	39950	80	5
42	40025	122	5
43	40050	132	5
44	40075	126	5
45	40100	62	5
46	40125	46	5
47	40150	46	5
48	40175	46	5
49	40250	66	5
50	40275	56	5
51	40300	76	5
52	40325	64	5
53	40375	16	5
	40400	20	5
55	40425	70	5
56	40450	70	15
57	40525	28	5
58	42200N-40550E	28	5

T.T. No.	SAMPLE No.	Cu	PPB Au
[illegible]	42200N-40575E	60	5
60	40600	38	5
61	40625	40	5
62	40650	82	5
63	40675	50	5
64	42200N-40750E	130	5
65	42425N-39000E	34	5
66	39025	56	5
67	39050	46	5
68	39225	26	5
69	39250	46	5
70	39275	34	5
71	39325	76	5
72	39475	22	5
73	39550	250	5
74	39625	16	5
75	39650	6	5
76	39675	6	5
77	39700	10	5
78	39725	14	5
79	39750	14	5
80	39775	6	5
81	39800	6	5
82	39825	40	5
83	39850	8	5
84	39875	20	5
[illegible]	39900	8	10
86	39925	12	5
87	39950	8	5
88	39975	28	5
89	40025	10	5
90	40050	14	5
91	40075	28	5
92	40125	16	5
93	40150	18	5
94	40175	28	5
95	40200	12	5
96	40275	30	5
97	40300	28	5
98	40325	30	5
99	40350	12	5
100	CHECK NL-6	52	-
101	40375	62	5
102	40400	22	5
103	40500	10	5
104	40525	8	5
105	40550	10	5
106	40575	66	5
107	40600	370	5
108	40625	10	5
109	40650	36	5
[illegible]	40700	22	5
[illegible]	40750	46	5
112	40775	22	5
113	40900	20	5
114	40925	20	5
115	42425N-40950E	18	5

T.T. No.	SAMPLE No.	Cu	PPB Au
1[illegible]	42425N-40975E	22	5
117	42425N-41000E	36	5
118	42600N-39000E	10	5
119	39025	8	5
120	39075	12	5
121	39100	14	45
122	39125	22	5
123	39150	30	5
124	39175	14	5
125	39200	38	5
126	39225	20	5
127	39250	92	5
128	39275	34	5
129	39300	14	5
130	39350	26	5
131	39375	22	5
132	39400	14	40
133	39425	30	5
134	39450	38	5
135	39475	20	5
136	39500	24	5
137	39525	20	5
138	39550	8	5
139	39575	12	5
140	39600	18	5
141	39625	8	5
1[illegible]	39650	8	5
143	39675	12	5
144	39700	26	5
145	39725	16	5
146	39750	120	5
147	39775	18	5
148	39800	26	5
149	39825	32	5
150	39850	12	5
2	39875	14	5
3	39950	18	10
4	39975	22	5
5	40000	18	5
6	40025	10	5
7	40050	12	5
8	40075	24	5
9	40100	24	5
10	40125	10	5
11	40150	10	5
12	40200	10	5
13	40225	8	5
14	40250	6	5
15	40275	8	5
16	40300	8	5
17	40325	26	5
[illegible]	40350	24	5
[illegible]	40375	22	5
20	40450	70	5
21	40475	68	5
22	40500	44	5
23	42600N-40525E	62	5

T.T. No.	SAMPLE No.	Cu	PPB Au
[illegible]	42600N-40550E	194	5
25	40575	134	5
26	40600	920	5
27	40625	1080	15
28	40700	460	5
29	40750	490	5
30	40775	480	5
31	40800	30	5
32	40825	28	5
33	42600N-40850E	30	5
34	42825N-39000E	14	5
35	39025	22	5
36	39050	28	5
37	39100	28	5
38	39125	18	5
39	39150	12	5
40	39175	20	5
41	39200	16	5
42	39225	32	5
43	39250	56	5
44	39275	180	5
45	39300	88	5
46	39325	36	30
47	39350	58	5
48	39375	38	5
49	39400	46	5
[illegible]	39425	66	5
51	39450	72	5
52	39475	156	5
53	39525	10	5
54	39550	22	5
55	39575	52	5
56	39600	36	5
57	39625	48	5
58	39650	22	5
59	39675	30	5
60	39700	50	5
61	39725	58	5
62	39750	30	5
63	39825	48	20
64	39850	52	5
65	39875	26	5
66	39900	18	5
67	39925	18	5
68	39950	8	5
69	39975	8	5
70	40000	16	185
71	40025	14	35
72	40050	10	5
73	40075	20	5
74	40100	10	5
	40125	8	5
[illegible]	40150	78	5
77	40175	52	5
78	40300	10	5
79	40325	18	5
80	42825N-40350E	10	5

T.T. No.	SAMPLE No.		Cu	PPB Au
[illegible]	42825N-40400E	org.	340	5
82	40425	org.	3100	5
83	40450		430	215
84	40475		78	5
85	40500		34	5
86	40525		32	5
87	40550		176	5
88	40575	org.	1010	5
89	40625		124	5
90	40675		126	30
91	40725		290	5
92	40750	org.	980	5
93	40775		840	5
94	40800	org.	1500	5
95	40825		1900	10
96	40850		870	5
97	40875		680	5
98	40900		1300	5
99	40925		2100	25
100	CHECK NL-6		50	-
101	40950		50	5
102	40975		80	5
103	42825N-41000E		40	5
104	43000N-39000E		30	5
105	39025		18	5
106	39050		16	10
1[illegible]	39075		18	5
108	39100		22	5
109	39125		20	5
110	39150		26	5
111	39175		22	5
112	39200		38	5
113	39225		62	5
114	39250		8	5
115	39275		8	5
116	39300		22	5
117	39325		16	5
118	39350		14	5
119	39375		14	5
120	39400		18	5
121	39425		12	5
122	39450		12	5
123	39475		18	5
124	39500		8	5
125	39575		96	5
126	39600		90	5
127	39625		82	5
128	39650		96	5
129	39775		12	5
130	39800		10	5
131	39900		206	30
1[illegible]	39925		330	10
1[illegible]	39950		920	5
134	39975		620	5
135	40050		16	5
136	40075		38	5
137	43000N-40100E		28	5

T.T. No.	SAMPLE No.	Cu	PPB Au
1[illegible]	43000N-40150E	98	5
139	40175	70	5
140	40200	22	5
141	40225	80	70
142	40250	44	5
143	40375	14	5
144	40400	18	5
145	40425	16	5
146	40450	18	5
147	40475	18	5
148	40500	6	5
149	40525	10	45
150	40550	10	5
2	40575	12	5
3	40600	34	5
4	40625	16	5
5	40650	14	5
6	40675	10	5
7	40700	6	5
8	40725	16	5
9	40750	20	5
10	40775	14	5
11	40800	20	5
12	40825	38	5
13	40850	14	5
14	40875	14	5
[illegible]	40900	16	5
16	43000N-40925E	42	5
17	43225N-39025E	46	5
18	39050	62	5
19	39075	46	5
20	39100	4	5
21	39125	8	5
22	39150	6	5
23	39175	14	5
24	39200	8	5
25	39225	8	5
26	39250	8	5
27	39275	14	5
28	39300	8	5
29	39325	10	5
30	39350	8	5
31	39375	14	5
32	39400	4	5
33	39425	8	5
34	39450	4	5
35	39475	6	5
36	39500	6	5
37	39525	14	5
38	39550	4	5
39	39575	16	5
[illegible]	39600	8	5
[illegible]	39625	16	5
42	39650	12	5
43	39675	20	5
44	39700	48	5
45	43225N-39725E	20	5

T.T. No.	SAMPLE No.	Cu	PPB Au
[illegible]	43225N-39750E	44	5
47	39775	16	5
48	39800	30	5
49	39825	22	5
50	39850	14	5
51	39875	16	5
52	39900	94	40
53	39925	32	5
54	39950	20	5
55	39975	10	5
56	40000	60	5
57	40025	68	5
58	40050	62	5
59	40075	42	5
60	40100	16	5
61	40125	8	5
62	40150	6	5
63	40175	6	5
64	40200	10	5
65	40225	10	5
66	40250	20	5
67	40275	16	5
68	40300	12	5
69	40325	24	5
70	40350	14	5
71	40375	32	5
[illegible]	40400	26	5
73	40425	26	5
74	40450	14	5
75	40475	26	5
76	40500	18	5
77	40525	14	5
78	40550	16	5
79	40575	18	5
80	43225N-40600E	30	5
81	43400N-39000E	8	5
82	39025	6	5
83	39050	4	5
84	39075	8	5
85	39100	6	5
86	39125	8	5
87	39150	8	5
88	39175	16	5
89	39200	8	5
90	39225	18	5
91	39250	18	5
92	39275	42	5
93	39300	40	5
94	39325	62	5
95	39350	22	5
96	39425	10	5
[illegible]	39450	18	5
[illegible]	39475	14	5
99	39500	16	5
100	CHECK NL-6	52	-
101	39525	12	5
102	43400N-39600E	24	5

T. T. No.	SAMPLE No.	Cu	PPB Au
1[illegible]	43400N-39625E	12	5
104	39650	8	5
105	39675	8	5
106	39700	16	5
107	39725	10	5
108	39750	6	5
109	39775	26	5
110	39800	6	5
111	39825	6	5
112	39925	18	5
113	39950	16	5
114	43400N-39975E	8	5
115	43625N-39000E	18	5
116	39025	20	5
117	39050	26	5
118	39075	32	5
119	39100	16	5
120	39125	40	5
121	39150	56	5
122	39175	20	5
123	39200	16	5
124	39225	18	5
125	39250	22	5
126	39275	12	5
127	39300	16	10
128	39325	10	5
1[illegible]	39350	24	5
130	39375	16	5
131	39400	28	5
132	39425	28	5
133	39450	24	5
134	39500	32	5
135	39525	26	5
136	39550	12	5
137	39575	22	5
138	39600	10	5
139	39625	38	5
140	39700	22	5
141	39750	28	5
142	39775	18	5
143	39800	26	5
144	39825	18	5
145	39850	36	5
146	39875	30	5
147	39900	24	5
148	39925	24	5
149	39950	30	5
150	43625N-40000E	34	5

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION:EAGLE

CODE : 8911-021

Project No. :284 Sheet:1 of 3 Date rec'd:NOV.09
Material :153 SOILS Geol.:F.S. Date compl:NOV.24
Remarks :

Values in PPM, except where noted.

T.T. No.	SAMPLE No.	Cu	PPB Au
2	41000N-39000E	24	5
3	39025	26	5
4	39050	96	5
5	39075	22	5
6	39125	82	5
7	39250	320	5
8	39275	196	5
9	39300	218	5
10	39325	640	5
11	39350	262	5
12	39375	216	5
13	39400	154	5
14	39425	330	5
15	39450	330	5
16	39475	136	5
17	39525	72	5
18	39550	280	5
[illegible]	39625	58	5
20	39650	114	5
21	39675	66	5
22	39700	76	5
23	39725	124	5
24	39750	28	5
25	39775	290	5
26	39800	182	5
27	39825	92	5
28	39850	156	5
29	39875	124	5
30	39900	122	5
31	39925	300	5
32	39950	72	5
33	41000N-39975E	122	5
34	41200N-39000E	68	5
35	39025	58	5
36	39300	70	5
37	39750	142	5
38	39775	90	5
39	39800	202	5
40	39825	1080	5
41	39850	530	5
42	39875	390	5
43	39900	650	5
[illegible]	39925	450	100
[illegible]	39950	420	20
46	40000	134	5
47	40025	370	30
48	40050	1020	20
49	41200N-40075E	710	10

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T.T. No.	SAMPLE No.	Cu	PPB Au
[illegible]	41200N-40100E	560	5
51	40125	270	5
52	40150	64	5
53	40175	46	5
54	40200	72	5
55	40225	102	5
56	40250	126	5
57	40275	86	5
58	40300	118	5
59	40325	46	5
60	40350	74	5
61	40375	56	5
62	40400	126	5
63	40425	78	5
64	40450	66	5
65	40475	44	5
66	40500	56	5
67	40525	40	5
68	40550	22	5
69	40575	62	5
70	40600	26	5
71	40625	580	5
72	40650	130	5
73	40675	12	5
74	40725	18	5
[illegible]	40750	56	5
[illegible]	40800	42	5
77	40825	36	5
78	40925	106	5
79	40950	98	5
80	40975	42	5
81	41200N-41000E	290	5
82	42425N-41025E	54	5
83	41050	222	5
84	41100	58	5
85	41125	20	5
86	41150	38	75
87	41175	134	5
88	41225	104	5
89	41250	78	5
90	41275	34	5
91	41300	1170	5
92	41325	720	5
93	41350	148	5
94	41375	510	5
95	41400	62	5
96	41425	64	5
97	41475	124	5
98	41550	48	5
99	41675	202	5
100	CHECK NL-6	52	–
[illegible]	41725	28	5
[illegible]	41750	28	5
103	41775	32	5
104	41800	24	5
105	41825	34	5
106	42425N-41850E	42	5

T.T. No.	SAMPLE No.	Cu	PPB Au
1[illegible]	42425N-41875E	20	5
108	41900	14	5
109	41925	50	5
110	41950	8	5
111	41975	70	5
112	42000	18	5
113	42025	32	5
114	42050	30	5
115	42425N-42075E	28	5
116	42825N-41025E	56	5
117	41050	34	5
118	41075	58	5
119	41100	60	5
120	41125	48	5
121	41150	140	5
122	41175	12	5
123	41200	14	5
124	41225	26	5
125	41250	14	5
126	41275	20	5
127	41300	16	5
128	41325	116	5
129	41350	86	5
130	41375	100	5
131	41425	30	5
132	41450	44	5
1[illegible]	41475	42	5
134	41500	116	5
135	42825N-41525E	38	10
136	43400N-40000E	12	5
137	40025	20	5
138	40050	28	5
139	40075	8	5
140	40100	10	5
141	40125	14	5
142	40150	8	5
143	40175	30	5
144	40225	32	5
145	40250	24	5
146	40275	14	5
147	40300	18	5
148	40325	28	5
149	40350	54	5
150	CHECK NL-6	52	-
151	40375	62	5
152	43400N-40400E	64	5
153	41400N-39050E	230	5
154	39075	280	5
155	41400N-39100E	136	5
156	43225N-39000E	12	5

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION:EAGLE

CODE :8912-002

Project No. :284 | Sheet:1 of 1 | Date rec'd:DEC.01
Material :7 RX | Geol.:A.T. | Date compl:DEC.05
Remarks :

Values in PPM, except where noted.

T.T. No.	SAMPLE No.	Cu	PPB Au
107	105830	54	5
108	105831	68	5
109	105832	800	5
110	105833	4500	95
111	105834	1140	50
112	105835	690	5
113	105836	104	5

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Eagle Option (F3)

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

GEOCHEMICAL ANALYSIS CERTIFICATE

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: NOV 28 1989 DATE REPORT MAILED: Nov 29/89. SIGNED BY.............D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Noranda Exploration Co. Ltd. PROJECT 8[redacted] File # 89-4904

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
110701	4	4252	5	71	.9	5	16	337	7.32	6	5	ND	1	29	1	4	10	122	.69	.163	5	2	.69	30	.08	25	1.03	.02	.06	1	19
110702	5	1347	4	60	[illegible]	7	19	328	6.17	10	5	ND	1	27	1	2	2	95	.99	.162	3	3	.78	78	.08	18	1.23	.02	.11	1	21
110703	2	251	2	53	.1	6	15	504	5.32	3	5	ND	1	45	1	2	4	130	1.07	.189	9	3	.95	55	.11	8	1.54	.02	.12	1	5
110704	2	1121	5	32	.5	5	18	420	3.92	6	5	ND	1	55	1	2	2	82	4.15	.106	2	2	.87	20	.05	93	3.63	.01	.02	1	89
110705	1	3285	3	58	[illegible]	6	17	374	4.95	3	5	ND	1	54	1	2	3	108	1.44	.165	5	3	.90	117	.12	43	1.72	.04	.20	1	44
110706	24	10028	4	99	[illegible]	9	74	372	8.88	42	5	ND	1	40	1	2	9	91	.58	.152	2	4	.77	67	.07	67	1.20	.01	.11	1	600
110707	32	19165	2	275	[illegible]	5	59	854	10.85	6	5	ND	1	35	2	2	10	99	.88	.183	2	2	1.79	32	.06	59	2.60	.01	.05	1	19
110708	4	3688	6	56	[illegible]	7	18	398	5.29	12	6	ND	1	43	1	2	5	68	2.00	.185	2	3	.94	94	.08	132	2.26	.02	.15	1	10
110709	7	2851	4	61	[illegible]	9	20	294	8.21	33	5	ND	1	23	1	3	8	55	.50	.138	2	2	.78	40	.08	12	.95	.02	.07	1	510
110710	17	16952	2	296	[illegible]	16	74	817	7.05	9	5	ND	1	27	1	2	2	63	1.39	.149	2	2	1.67	116	.08	36	2.18	.01	.11	1	580
110711	106	6133	13	55	[illegible]	14	249	178	40.45	544	5	9	4	35	1	2	2	65	.21	.040	2	36	.33	35	.03	72	.64	.01	.10	2	2220
110712	4	6066	2	106	[illegible]	15	81	330	11.51	34	5	ND	6	31	1	2	2	120	.64	.177	34	4	1.12	76	.14	10	1.65	.02	.10	1	710
110713	4	4369	6	66	[illegible]	6	23	393	9.22	16	5	ND	1	34	1	2	2	138	.69	.166	6	3	.94	128	.14	16	1.50	.03	.15	1	350
110714	21	17193	2	345	[illegible]	17	87	985	8.88	31	5	ND	1	28	2	2	2	52	1.51	.168	5	2	1.51	107	.05	6	2.36	.02	.10	5	460
110715	30	9486	2	173	[illegible]	8	74	343	4.03	28	5	ND	1	14	1	2	3	23	.59	.155	2	3	.68	28	.05	98	.89	.01	.03	1	470
110976	5	15520	2	100	[illegible]	6	55	486	6.01	12	5	ND	1	38	1	2	2	119	1.18	.178	4	3	1.08	88	.10	24	1.72	.02	.12	1	310
110977	2	265	5	11	.2	10	7	182	3.38	8	5	ND	4	46	1	2	2	95	2.35	.210	8	5	.33	24	.09	15	1.65	.06	.06	1	6
STD C/AU-R	18	59	40	133	6.8	67	31	1006	4.10	45	17	7	39	49	19	16	18	59	.49	.096	39	56	.87	176	.06	39	2.03	.06	.13	12	475

✓ ASSAY RECOMMENDED

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File Eagle

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

GEOCHEMICAL ANALYSIS CERTIFICATE

File Eagle

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: P1K-P2 CORE/ROCK P3 SILT AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 11 1989 DATE REPORT MAILED: Oct 18/89 . SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

OCT 2 1989

Noranda Exploration Co. Ltd. PROJECT 8910-029 284 File # 89-4222 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
105776	1	2961	118	481	3.4	20	26	272	8.67	2	5	ND	2	358	5	2	2	437	2.62	.004	2	5	.87	65	.14	2	3.61	.11	.09	1	51
105777	1	1363	21	85	1.3	23	30	296	11.61	2	5	ND	3	274	1	2	2	564	2.06	.005	2	7	1.07	93	.16	3	3.02	.09	.16	1	51
105778	1	1663	9	41	1.3	20	27	297	10.00	2	6	ND	2	73	1	2	2	525	1.20	.005	2	11	.81	21	.19	6	1.17	.03	.06	2	23
105779	1	956	7	33	.8	16	27	292	8.61	2	5	ND	2	614	1	2	2	438	4.28	.003	2	8	.94	68	.14	4	6.05	.18	.06	3	4
105780	1	642	55	211	.9	17	33	523	9.95	2	5	ND	2	533	2	2	2	479	4.14	.003	2	6	1.63	75	.15	2	6.00	.16	.05	1	4
105781	1	835	5	28	.9	16	28	336	8.15	2	5	ND	3	645	1	2	2	410	4.52	.004	2	6	1.11	80	.11	4	6.58	.19	.07	1	5
105782	1	768	12	38	.7	15	28	498	7.94	4	5	ND	2	621	1	2	2	392	4.42	.004	2	5	1.21	80	.12	5	6.42	.20	.06	6	4
105783	1	867	2	26	.5	14	27	318	8.06	2	5	ND	2	642	1	2	2	410	4.44	.003	2	5	1.04	70	.11	5	6.49	.19	.04	1	1
105784	1	931	3	33	.5	14	29	409	8.60	5	5	ND	1	567	1	2	2	426	4.22	.012	2	6	1.23	72	.12	8	6.02	.19	.04	1	1
105785	1	863	5	32	.6	14	28	397	8.27	2	5	ND	2	615	1	2	2	399	4.82	.004	2	5	1.26	69	.13	4	6.28	.20	.05	1	9
105786	1	880	3	31	.8	15	27	376	8.72	2	5	ND	2	665	1	2	2	412	4.52	.003	2	3	1.24	69	.13	2	6.73	.21	.07	1	8
105787	1	856	7	29	.7	14	28	369	8.36	2	5	ND	3	672	1	2	2	402	4.70	.004	2	5	1.18	63	.12	2	6.88	.20	.05	1	1
105788	1	1529	3	38	.8	17	30	440	9.19	6	5	ND	2	507	1	2	2	417	3.55	.005	2	3	1.20	45	.14	3	5.28	.17	.04	1	5
105789	1	1759	2	50	1.2	17	29	506	8.58	2	5	ND	2	232	1	2	2	401	6.16	.003	2	4	1.18	17	.14	2	5.58	.11	.04	1	25
105790	1	1165	5	35	.6	18	31	444	10.37	2	5	ND	2	627	1	2	2	499	3.70	.004	2	3	.96	47	.14	2	5.50	.25	.05	1	9
105791	1	1264	2	31	.8	18	29	390	9.31	2	5	ND	2	607	1	2	2	451	3.98	.003	2	2	.99	57	.13	2	5.60	.20	.05	1	10
105792	1	807	7	38	.9	19	23	514	6.31	2	5	ND	4	338	1	2	2	279	6.97	.020	2	9	1.33	31	.08	2	6.29	.78	.09	1	4
105793	1	1413	5	62	1.3	22	31	781	8.89	2	5	ND	2	297	1	2	2	383	4.28	.004	2	3	1.77	28	.16	2	4.65	.13	.05	1	14
105794	1	771	2	34	.5	22	27	453	7.84	2	5	ND	1	704	1	2	2	340	4.55	.003	2	5	1.38	64	.10	3	6.73	.30	.05	1	11
105795	1	855	5	37	.9	22	27	589	7.96	2	5	ND	3	606	1	2	2	348	4.44	.004	2	6	1.30	57	.09	6	6.28	.25	.07	1	7
105796	1	577	4	55	.8	20	27	836	7.26	3	5	ND	3	278	1	2	2	286	7.47	.005	2	6	1.81	38	.10	2	4.19	.11	.11	1	1
105797	1	845	5	32	.8	22	30	485	8.71	6	5	ND	3	552	1	2	3	395	4.52	.004	2	6	1.27	52	.08	5	5.28	.22	.06	1	65
105798	1	544	4	29	.5	18	24	445	6.88	2	5	ND	1	548	1	2	2	314	4.88	.003	2	4	1.22	55	.08	3	5.71	.19	.08	1	32
105799	1	20	3	28	.1	22	26	386	7.22	2	5	ND	1	622	1	2	2	318	4.37	.002	2	14	1.49	51	.12	5	6.35	.18	.04	1	1
105800	1	24	2	33	.1	23	29	449	7.75	2	5	ND	3	676	1	2	2	335	4.27	.003	2	12	1.67	44	.12	7	6.27	.23	.06	1	1
105821	1	103	7	66	.1	5	11	936	5.55	2	5	ND	2	53	1	2	2	151	1.88	.192	11	2	1.34	59	.11	6	1.73	.03	.10	1	4
105827	9	8862	8	131	5.3	6	47	367	8.04	14	5	ND	2	20	1	2	2	75	.92	.137	2	2	.70	32	.07	5	.91	.02	.06	1	290
105828	1	2103	8	49	2.4	4	24	383	6.31	19	5	ND	3	51	1	2	3	103	1.08	.176	5	2	.41	54	.10	2	.72	.02	.10	4	129
105829	1	145	3	43	.1	4	6	482	5.41	12	5	ND	3	63	1	2	2	149	1.50	.176	5	1	.93	38	.10	2	1.34	.03	.13	1	7
105901	1	31	4	33	.1	21	27	434	6.78	2	5	ND	3	591	1	4	2	293	4.20	.003	2	15	1.51	39	.10	11	5.76	.19	.05	1	2
105902	1	32	2	31	.1	20	25	409	7.00	2	5	ND	3	668	1	2	2	320	4.54	.008	2	14	1.28	60	.11	5	6.38	.22	.08	1	5
105903	1	37	2	37	.1	20	25	467	6.74	2	5	ND	1	622	1	2	2	309	4.45	.002	2	15	1.39	46	.09	11	5.76	.24	.05	1	3
105904	1	16	2	32	.1	23	29	468	7.59	2	5	ND	1	668	1	2	2	332	4.25	.002	2	17	1.40	51	.09	15	6.34	.21	.04	1	4
105905	1	24	2	40	.1	22	28	449	6.91	2	5	ND	1	451	1	2	2	299	3.77	.003	2	16	1.54	41	.07	12	5.11	.15	.05	1	3
105906	1	19	3	30	.1	22	28	458	7.14	2	5	ND	1	584	1	2	2	315	3.79	.002	2	17	1.45	50	.06	14	5.38	.20	.07	2	3
105907	1	69	2	54	.1	26	31	593	7.93	7	5	ND	1	174	1	2	2	335	5.55	.005	2	15	1.95	15	.19	9	2.92	.03	.03	1	3
STD C/AU-R	18	57	36	132	7.0	65	29	1002	3.82	43	16	7	36	47	17	16	19	58	.45	.091	37	55	.82	175	.06	33	1.70	.06	.14	12	495

Copy to Gord.

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
105908	1	18	7	47	.2	29	42	590	9.88	7	5	ND	1	121	1	2	3	392	2.61	.002	2	19	2.27	26	.14	13	3.34	.02	.05	2	7
105909	10	3374	8	41	2.2	3	20	251	6.77	9	5	ND	1	22	1	2	3	124	.89	.167	4	2	1.14	57	.16	4	2.09	.02	.16	44	127
105910	3	5393	6	67	2.5	5	35	291	7.02	10	5	ND	4	34	1	2	2	165	1.56	.161	11	2	1.01	43	.15	7	2.22	.03	.12	1	170
105911	1	163	2	77	.2	20	20	407	6.03	2	5	ND	1	834	1	2	2	159	4.84	.358	12	37	1.79	49	.29	3	9.15	.55	.73	2	17
105912	1	167	6	81	.1	11	24	569	4.97	5	5	ND	1	180	1	2	2	131	1.53	.339	14	8	1.84	46	.16	4	2.08	.02	.05	1	8
105913	1	1783	8	50	1.3	15	29	528	7.13	5	5	ND	1	303	1	2	2	264	3.26	.002	2	5	1.73	62	.14	14	5.22	.08	.08	1	180
105914	2	2359	3	74	.4	8	39	364	6.89	59	5	ND	1	29	1	2	2	168	1.56	.227	10	2	1.33	43	.18	7	2.35	.03	.16	1	3
105915	5	13417	8	148	.9	5	68	560	5.30	74	5	ND	1	16	1	2	10	88	.82	.188	7	1	1.13	35	.09	10	1.88	.01	.09	1	69
105916	15	14950	15	158	10.3	9	251	633	9.15	2172	5	2	1	39	1	4	25	102	3.04	.146	6	3	1.03	52	.05	5	1.93	.02	.20	1799	950
105917	28	75688	16	315	42.4	9	178	919	16.36	4227	5	ND	1	10	2	2	20	103	.51	.081	3	1	1.26	23	.04	3	2.64	.01	.13	1	2070
105918	1	1914	5	22	1.4	18	29	300	8.44	14	5	ND	1	719	1	2	2	403	4.33	.001	2	3	1.07	73	.11	5	7.67	.20	.04	1	31
105919	3	2730	6	57	1.8	6	21	446	5.46	153	5	ND	7	52	1	2	2	142	1.21	.187	15	4	.95	58	.16	5	1.57	.06	.22	1	79
105920	1	487	6	25	.3	6	15	320	4.80	2	5	ND	1	990	1	2	2	184	7.18	.319	8	1	.60	153	.06	20	9.88	.39	.09	2	13
105922	1	2213	5	32	1.0	14	30	431	9.98	5	5	ND	1	896	1	2	2	292	5.38	.673	9	7	2.35	218	.08	2	7.36	.20	.11	1	61
105923	1	1198	7	52	1.1	22	36	442	10.25	8	5	ND	1	390	1	2	2	381	4.05	.476	8	8	1.41	51	.12	15	5.36	.09	.04	1	126
105924	1	46	13	30	.2	17	33	584	8.68	2	5	ND	1	585	1	2	2	360	3.51	.004	2	3	2.09	79	.17	11	6.81	.19	.03	2	10
108011	1	583	2	26	.7	13	28	424	9.02	4	5	ND	1	640	1	2	2	410	3.91	.003	2	6	1.13	99	.15	8	6.98	.21	.08	1	57
108012	1	537	6	30	.6	16	30	404	8.04	3	5	ND	1	755	1	2	3	346	4.02	.005	2	6	1.53	115	.13	12	7.94	.26	.11	1	56
108013	1	357	2	29	.4	14	27	340	6.51	2	5	ND	1	743	1	2	2	266	4.44	.003	2	4	1.56	143	.11	4	9.01	.22	.16	1	29
108014	1	233	7	30	.4	12	27	469	7.53	3	5	ND	1	623	1	2	2	318	3.82	.003	2	4	1.57	94	.15	3	7.28	.21	.10	1	18
108015	1	473	5	23	.4	15	28	393	7.27	2	5	ND	1	704	1	2	2	321	4.23	.001	2	6	1.59	88	.12	9	7.89	.22	.06	1	55
108016	1	540	4	36	.5	14	28	446	7.19	2	5	ND	1	670	1	2	2	324	4.23	.001	2	6	1.45	62	.12	3	7.41	.18	.03	1	30
108017	1	793	5	25	.8	16	29	400	8.11	6	5	ND	1	647	1	2	2	383	3.86	.002	2	5	1.18	61	.11	3	6.90	.20	.03	1	36
108018	1	758	5	26	.5	16	28	392	7.69	2	5	ND	1	652	1	2	2	362	4.01	.001	2	5	1.31	60	.11	4	6.89	.20	.03	1	45
108019	1	397	4	37	.4	16	30	571	7.99	7	5	ND	1	660	1	2	2	352	4.74	.001	2	6	1.80	64	.13	11	7.56	.24	.05	1	17
108020	1	295	4	30	.2	13	26	444	6.53	2	5	ND	1	764	1	2	2	278	5.43	.001	2	5	1.76	89	.09	8	8.67	.21	.06	3	23
108021	1	290	10	23	.1	12	24	316	6.61	2	5	ND	1	907	1	2	2	290	5.62	.001	2	5	1.33	98	.10	11	10.05	.28	.09	2	16
108022	1	514	6	22	.6	13	26	330	7.07	2	5	ND	1	754	1	2	2	326	4.59	.001	2	5	1.32	98	.13	5	8.31	.23	.11	1	1
108023	1	199	8	20	.2	10	20	319	5.15	2	5	ND	1	822	1	2	2	224	5.27	.001	2	4	1.18	87	.09	11	9.23	.28	.09	1	11
108024	1	459	5	44	.5	18	38	567	8.36	4	5	ND	1	678	2	2	2	270	4.03	.001	2	4	2.82	100	.10	5	8.17	.24	.11	1	18
108025	1	1968	3	21	1.5	18	26	292	8.72	2	5	ND	1	591	1	2	2	449	3.73	.001	2	4	.87	76	.15	7	6.33	.17	.06	1	15
108334	1	214	5	49	.2	19	33	581	6.48	5	5	ND	1	222	1	2	2	258	4.55	.014	2	3	2.46	12	.19	21	5.50	.01	.01	3	48
108335	16	13023	8	125	9.1	21	143	241	13.13	79	5	2	1	15	1	2	18	116	.52	.169	4	2	.86	8	.14	2	1.83	.01	.12	1	1600
108336	5	39022	8	298	19.4	33	431	409	30.01	164	5	5	2	17	2	2	27	84	.66	.025	2	1	.81	11	.02	17	1.16	.01	.02	1	3460
108337	1	104	6	68	.2	1	33	410	8.22	8	5	ND	1	680	2	2	2	291	4.26	.479	16	2	2.27	435	.27	3	7.63	.36	.85	1	13
108338	1	439	4	28	.1	6	33	329	8.28	2	5	ND	1	918	1	2	2	317	5.23	.553	9	4	1.14	110	.07	8	7.80	.25	.04	1	5
108339	1	386	4	34	.3	10	30	514	6.95	8	5	ND	1	476	1	2	2	271	3.26	.008	2	1	1.57	103	.11	8	6.05	.16	.07	1	3
STD C/AU-R	18	62	43	132	6.6	66	31	993	4.04	42	20	7	37	48	18	15	18	58	.48	.091	38	57	.88	171	.06	34	1.93	.06	.13	12	510

Noranda Exploration Co. Ltd. PRC ECT 8910-029 284 FILE # 89-4222

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
105921	1	240	10	91	.2	35	17	683	4.59	17	5	ND	2	105	1	2	2	149	1.31	.163	11	34	.80	170	.07	7	2.35	.03	.07	1	3
105925	1	213	10	93	.4	42	15	684	3.80	15	5	ND	1	91	1	2	2	106	1.22	.131	10	42	.80	172	.06	5	2.06	.02	.07	2	1

APPENDIX V: ANALYTICAL METHOD

ANALYTICAL METHOD

The methods listed are presently applies to analyse geological materials by the Noranda Geochemical Laboratory at Vancouver. (March, 1984).

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 analysis.

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

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 0.2 g or less depending on the matrix of the rock, and twice as much acid is used for decomposition than that is used for silt or soil.

The concentrations of Ag, Cd, Co, Cu, Fe, Mn, Mo, Ni, Pb, V and Zn (all from the group A elements of the fee schedule) can be determined directly from the digest (dissolution) with an atomic absorption spectrometer (AA). 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 attached 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 acid solution with an AA-475 equipped with electrodeless discharge lamp (EDL).

Arsenic - As: 0.2 - 0.4 g sample is digested with 1.5 mL of 70% perchloric acid and 0.5 mL of conc. nitric acid. A Varian AA-475 equipped with an As-EDL measures the arsenic concentration of the digest.

Barium - Ba: 0.1 g sample is decomposed with conc. perchloric, nitric and hydrofluoric acid. Atomic absorption using a nitrous oxide-acetylene flame determines Ba from the aqueous solution.

Bismuth - Bi: 0.2 g - 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 into the flame of the AA instrument c/w EDL.

Gold - Au: 10.0 g sample (Pan-concentrates see below) is digested with aqua regia (1 part nitric and 3 parts hydrochloric acid). Gold is extracted with Methyl iso-Butyl ketone (MIBK) from the aqueous solution. Gold is determined from the MIBK solution with flame AA.

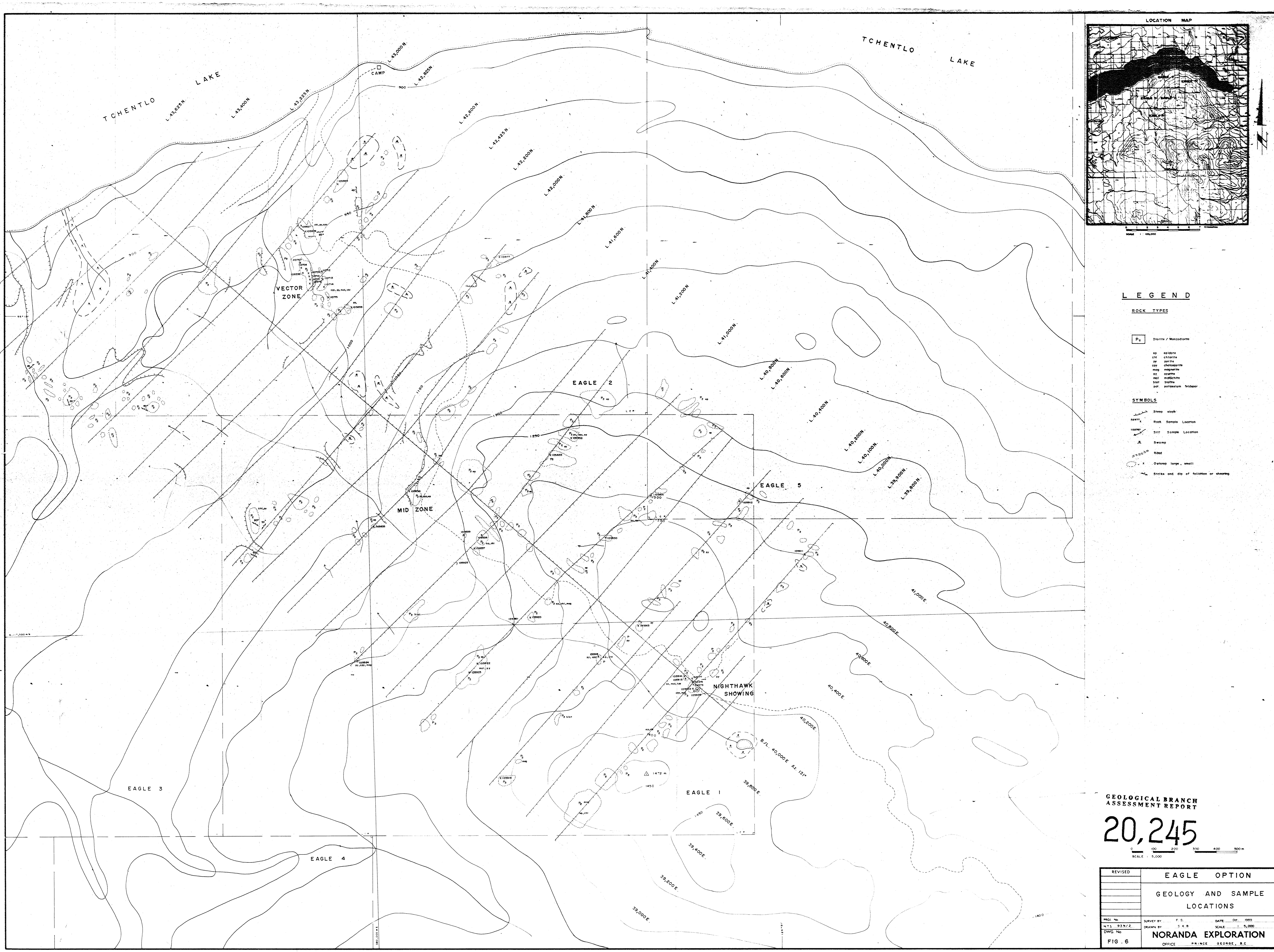
Magnesium - Mg: 0.05 g - 0.10 g sample is digested with 4 mL perchloric/nitric acid (3:1). An aliquot is taken to reduce the concentration to within the range of atomic absorption. The AA-475 with a nitrous oxide flame determines Mg from the aqueous solution.

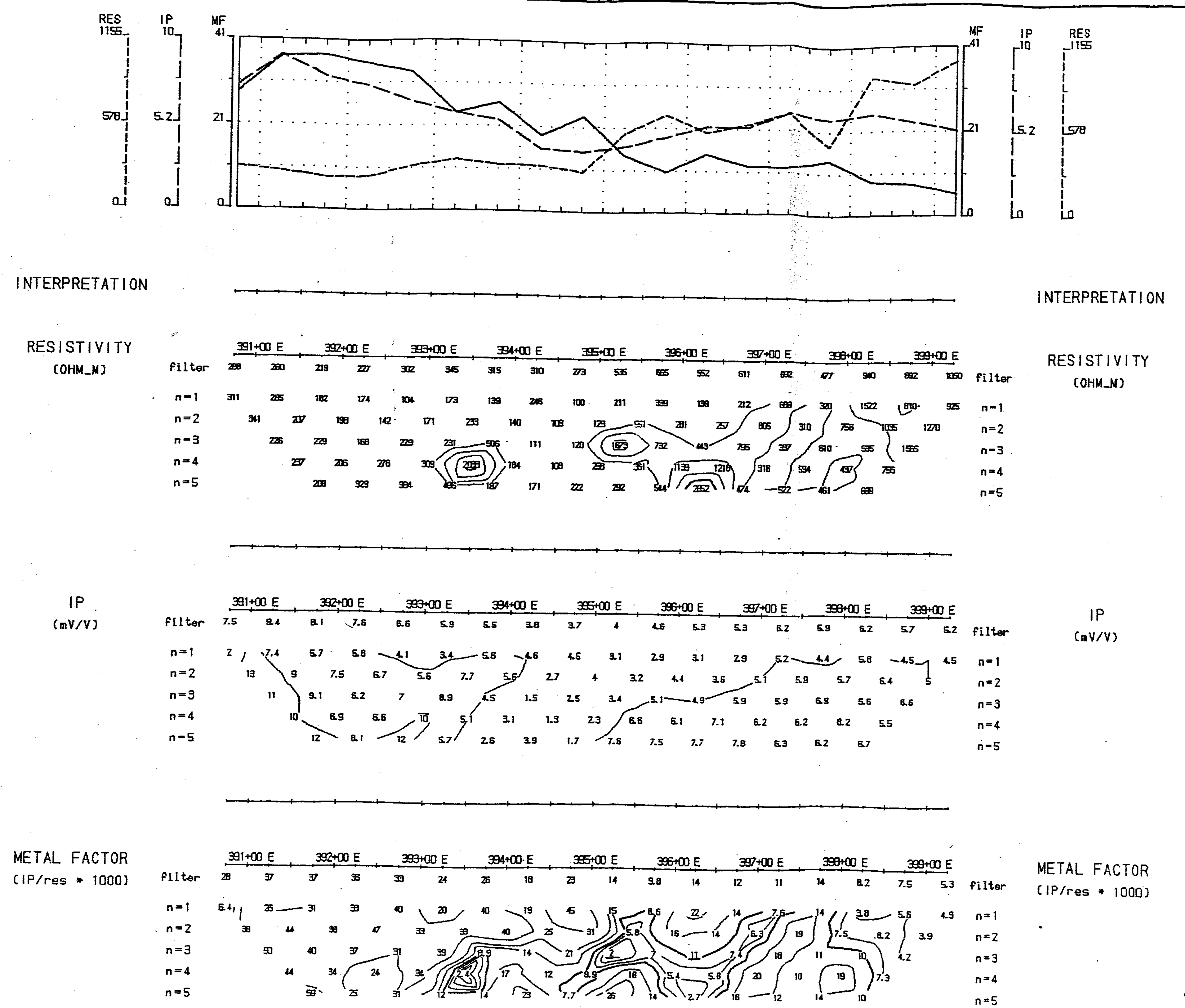
Tungsten - W: 1.0 g sample sintered with a carbonate flux and thereafter leached with water. The leachate is treated with potassium thiocyanate. The yellow tungsten thiocyanate is extracted into tri-n-butyl phosphate. This permits colourimetric comparison with standards to measure tungsten concentration.

Uranium - U: An aliquot, taken from a perchloric-nitric (3:1) decomposition, usually from the multi-element digestion, is diluted with water and a phosphate buffer. This solution is exposed to laser light, and the luminescence of the uranyl ion is quantitatively measured on the UA-3 (Scintrex).

<u>LOWEST VALUES REPORTED IN PPM</u>

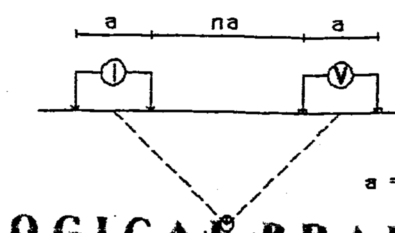
Ag - 0.2	Mn - 20	Zn - 1	Au - 0.1 (10 ppb)
Cd - 0.2	Mo - 1	Sb - 1	W - 2
Co - 1	Ni - 1	As - 1	U - 0.1
Cu - 1	Pb - 1	Ba - 10	
Fe - 100	V - 10	Bi - 1	


LOCATION MAP
TCHENTLO LAKE
TCHENTLO LAKE
CAMP
VECTOR ZONE
MID ZONE
EAGLE 1
EAGLE 2
EAGLE 3
EAGLE 4
EAGLE 5
NIGHTHAWK SHOWING
B/L 40,000 E Az 131°
L 43,000 N
L 42,825 N
L 42,800 N
L 42,425 N
L 42,200 N
L 42,000 N
L 41,800 N
L 41,600 N
L 41,400 N
L 41,200 N
L 41,000 N
L 40,800 N
L 40,400 N
L 40,200 N
L 40,100 N
L 40,000 N
L 39,800 N
41,000 E
40,800 E
40,600 E
40,400 E
40,200 E
39,800 E
39,600 E
39,400 E
39,200 E
39,000 E
LEGEND
ROCK TYPES
P2 Diorite / Monzodiorite
ep epidote
chl chlorite
py pyrite
cpy chalcopyrite
mag magnetite
az azurite
mal malachite
biot biotite
pot potassium feldspar
SYMBOLS
Steep slope
32977 x Rock Sample Location
102767 Silt Sample Location
Swamp
Road
Outcrop large, small
Strike and dip of foliation or shearing
0 100 200 300 400 500 m
SCALE 1 : 5,000
REVISED
EAGLE OPTION
GEOLOGY AND SAMPLE LOCATIONS
PROJ. No.
N.T.S. 93N/2
DWG. No
FIG. 6
SURVEY BY F. S.
DATE: Oct. 1989
DRAWN BY S.K.B
SCALE: 1 : 5,000
NORANDA EXPLORATION
OFFICE PRINCE GEORGE, B.C.



Line 43625 N

Dipole-Dipole Array



GEOLOGICAL BRANCH
ASSESSMENT REPORT

Filter

20,245

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

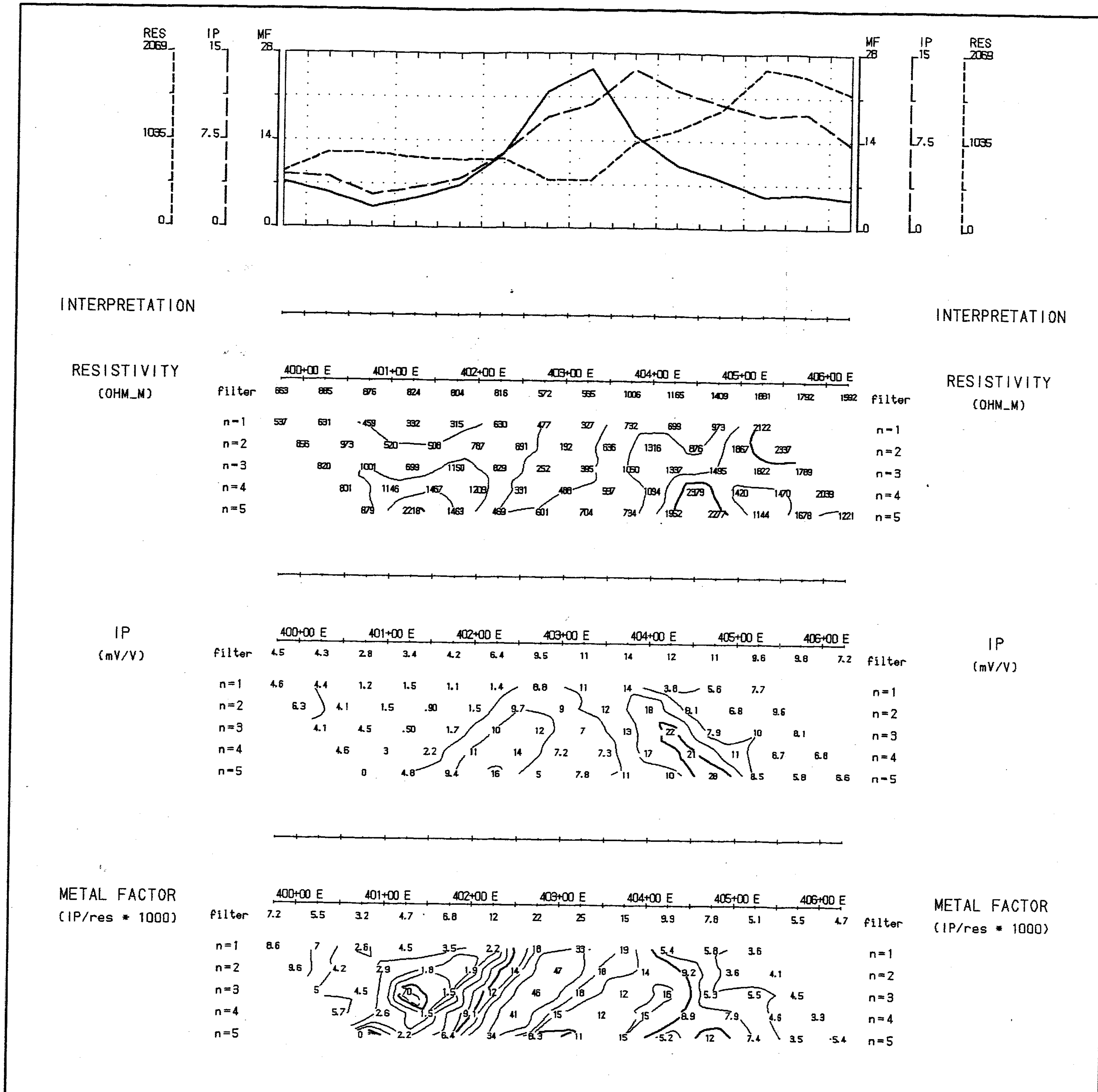
50 0 50 100 150 200 250 (metres)

EAGLE GRID

INDUCED POLARIZATION SURVEY
Line 43625 N

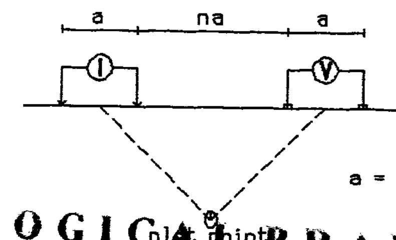
Date: 89/10/19
Interpretation by: L. Bradish

noranda



Line 42600 N

Dipole-Dipole Array



a = 50 M

GEOLOGICAL BRANCH ASSESSMENT REPORT

Filter

20,245

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

50 0 50 100 150 200 250 (metres)

EAGLE GRID

INDUCED POLARIZATION SURVEY
Line 42600 N

Date: 89/10/19
Interpretation by: L. Bradish

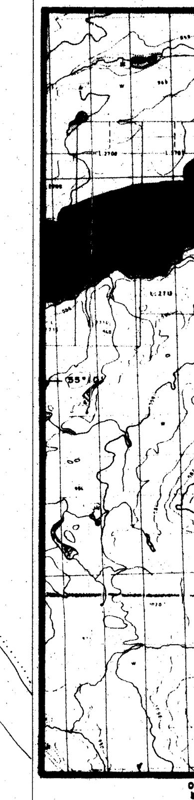
noranda

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,245

0 100 200 300 400 500 m
SCALE 1:5,000

REVISED	EAGLE OPTION
	SOIL GEOCHEM SURVEY Cu (ppm)
PROJ. No.	SURVEY BY: F.S. DATE: Aug., 1989
N.T.S. 93N/2	DRAWN BY: S.K.B. SCALE: 1:5,000
DWG. No. FIG. 4	NORANDA EXPLORATION OFFICE: PRINCE GEORGE, B.C.



LEGEND

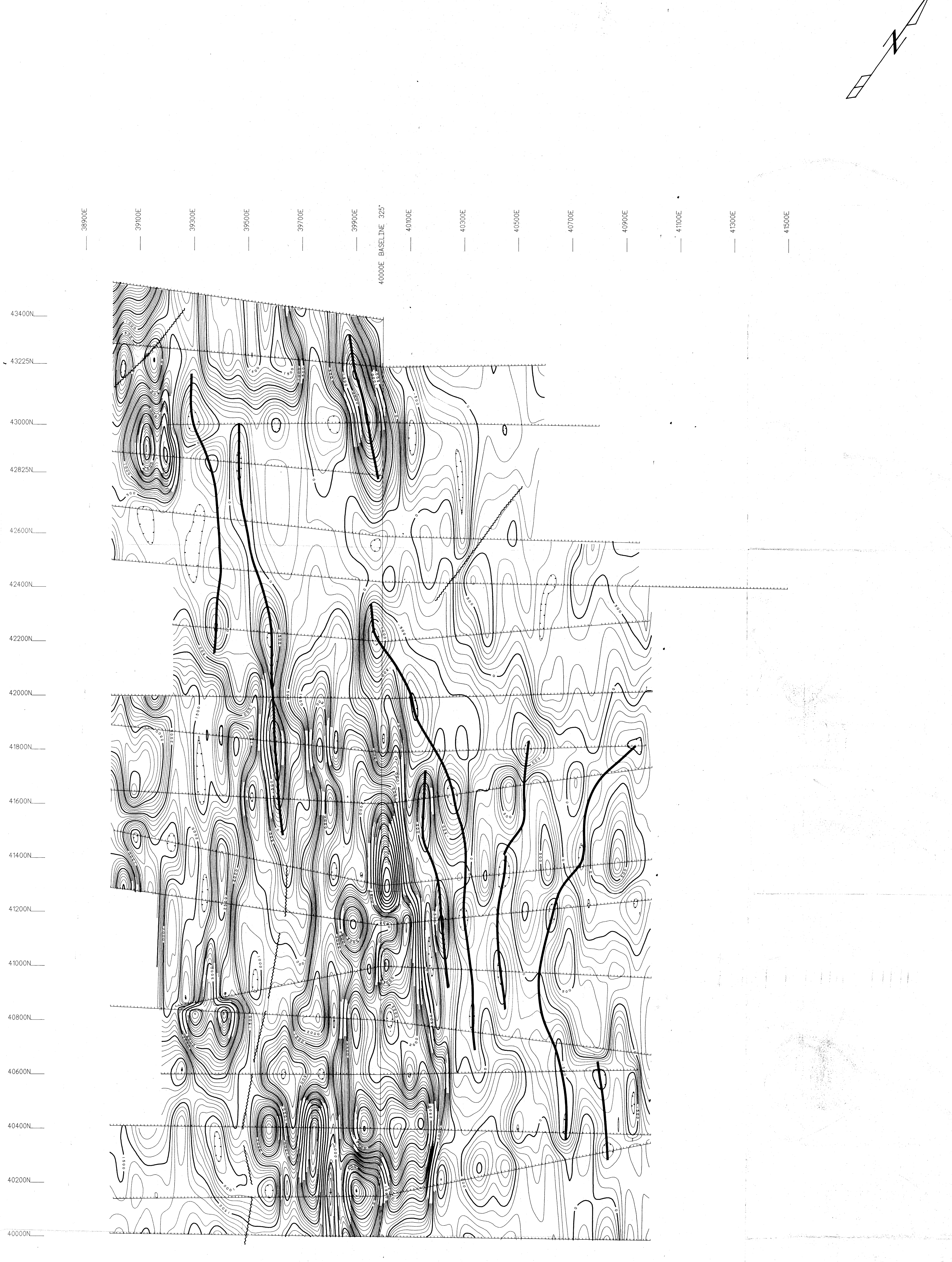
10 Soil Geochem Survey Au (ppb)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,245

0 100 200 300 400 500 m
SCALE 1 5,000

REVISED	EAGLE OPTION
	SOIL GEOCHEM SURVEY Au(ppb)
PROJ. No.	SURVEY BY: F.S. DATE: Aug., 1989
N.T.S. 93N/2	DRAWN BY: S.K.B SCALE: 1 5,000
DWG. No. FIG. 5	NORANDA EXPLORATION OFFICE PRINCE GEORGE, B.C



GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,245

Instrument	:	OMNI3
Field	:	TOTAL
Datum	:	58000.0 nT
Contour Interval	:	100 nT

7-Point Moving Average Filtered Data

100m 50m 0m 100m 200m

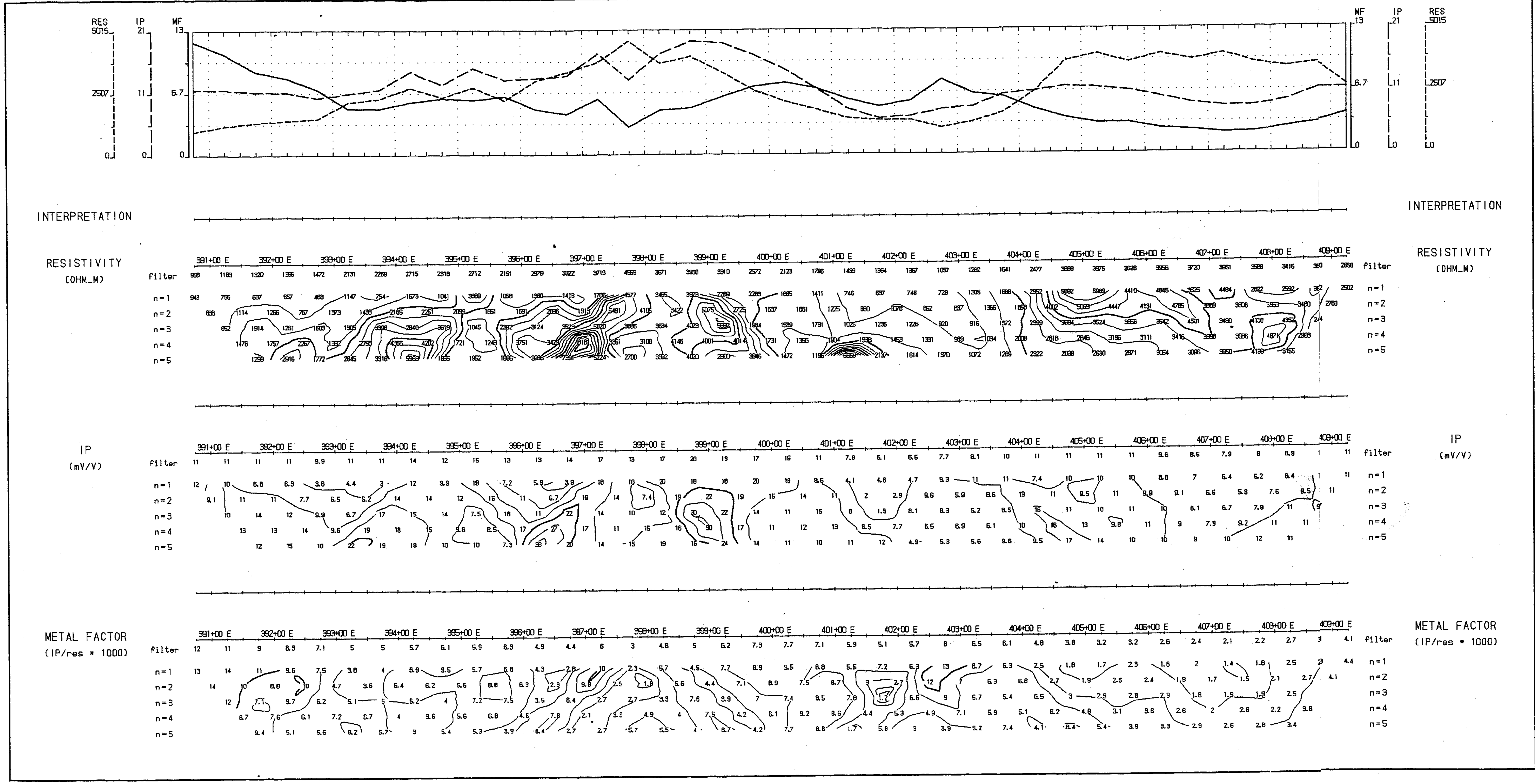
EAGLE PROPERTY

MAGNETOMETER SURVEY

PROJECT: EAGLE PROJECT # : 284
BASELINE AZIMUTH : 325 Deg.

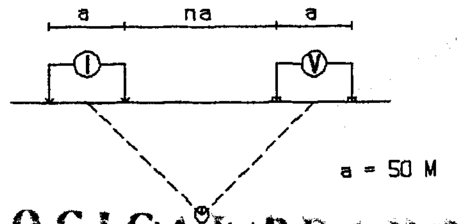
SCALE = 1 : 5000 DATE : 11/23/89
SURVEY BY : WK NTS :
FILE: M28489

FIG. 7 NORANDA EXPLORATION



Line 41600 N

Dipole-Dipole Array



GEOLOGICAL BRANCH
ASSESSMENT REPORT

Filter

20,245

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

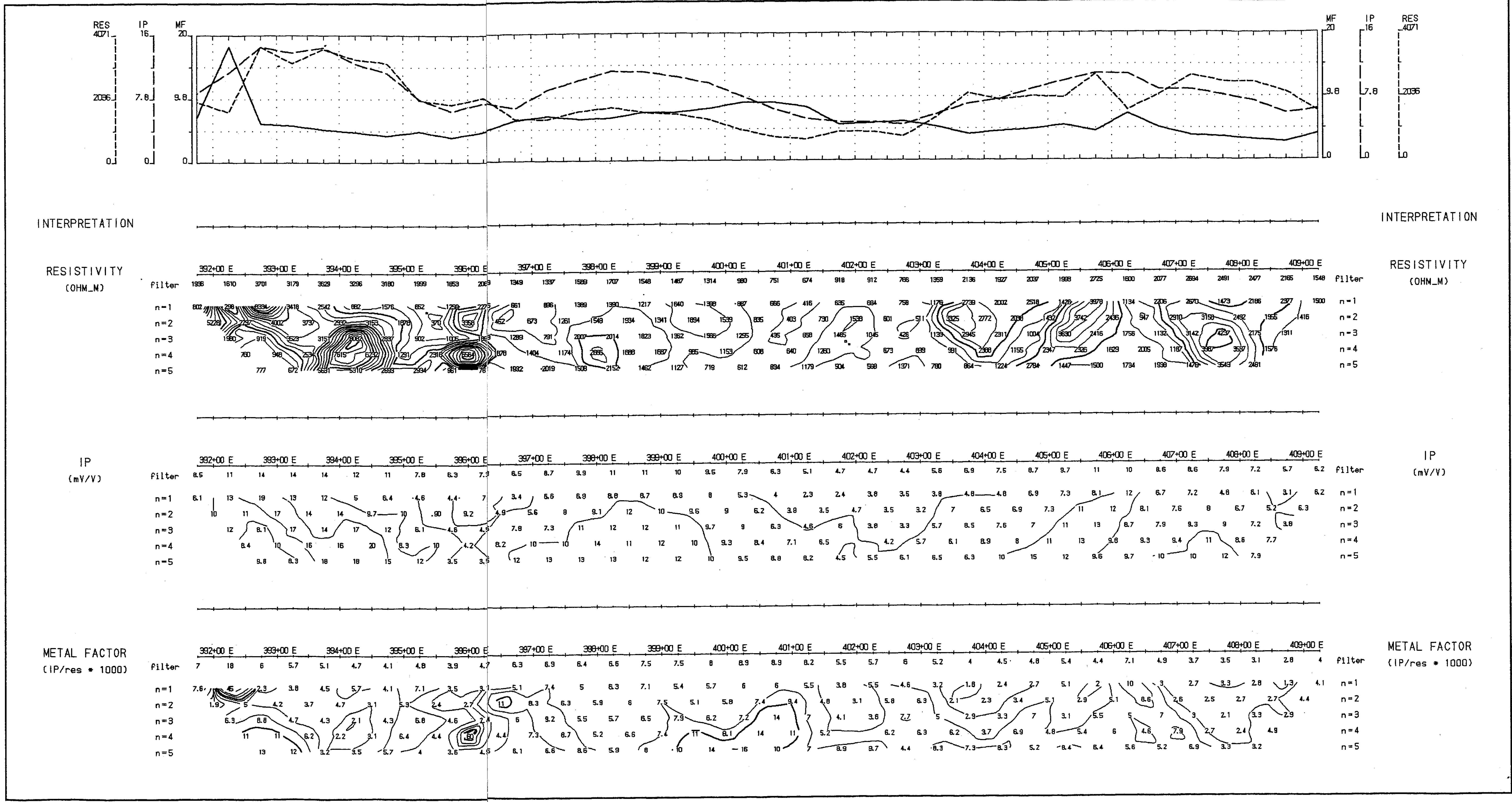
50 0 50 100 150 200 250 (metres)

EAGLE GRID

INDUCED POLARIZATION SURVEY
Line 41600 N

Date: 89/10/19
Interpretation by: L. Bradish

noranda



Line 42000 N

Dipole-Dipole Array

a na a

a = 50 M

Plot point

GEOLOGICAL BRANCH
ASSESSMENT REPORT

Filter

20,245

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

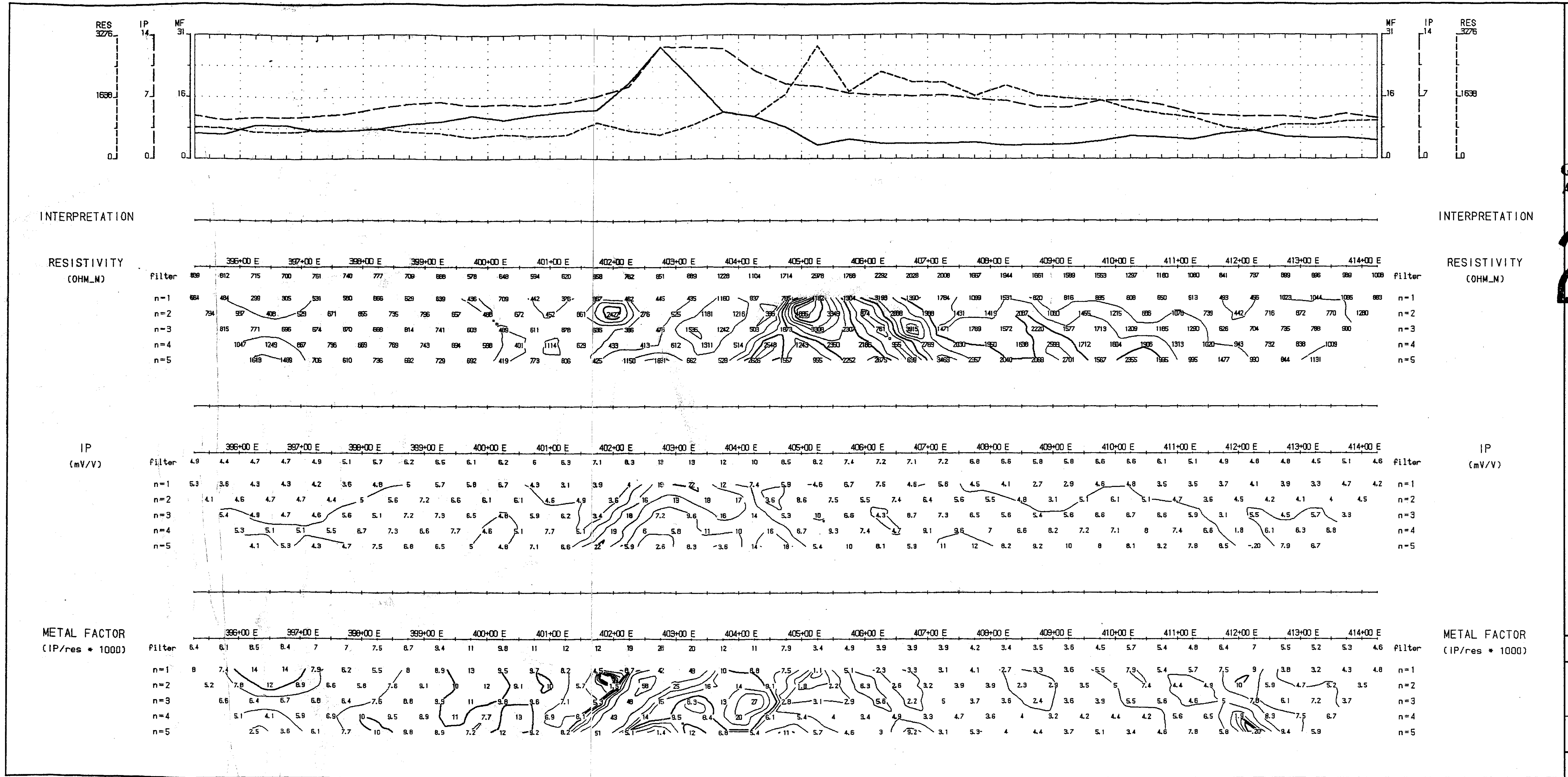
50 0 50 100 150 200 250
(metres)

EAGLE GRID

INDUCED POLARIZATION SURVEY
Line 42000 N

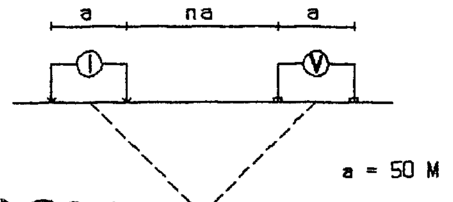
Date: 89/10/19
Interpretation by: L. Bradish

noranda



Line 42425 N

Dipole-Dipole Array



GEOLOGICAL BRANCH
ASSESSMENT REPORT

Filter

20,245

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

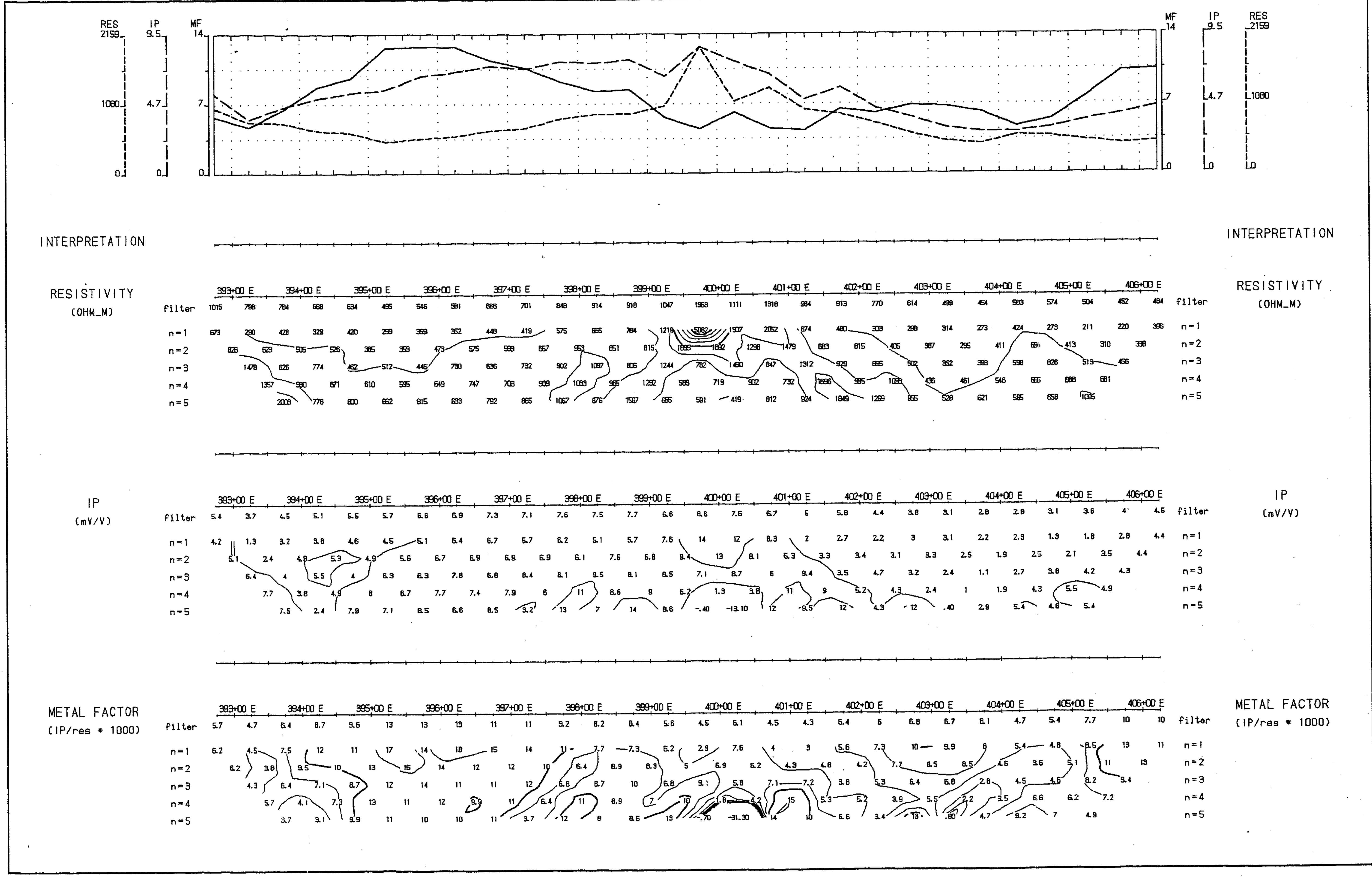
50 0 50 100 150 200 250
(metres)

EAGLE GRID

INDUCED POLARIZATION SURVEY
Line 42425 N

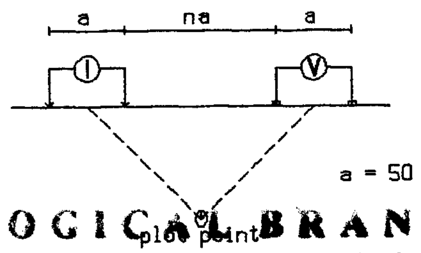
Date: 89/10/19
Interpretation by: L. Bradish

noranda



Line 43000 N

Dipole-Dipole Array



GEOLOGICAL BRANCH
ASSESSMENT REPORT

Filter

20,245

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

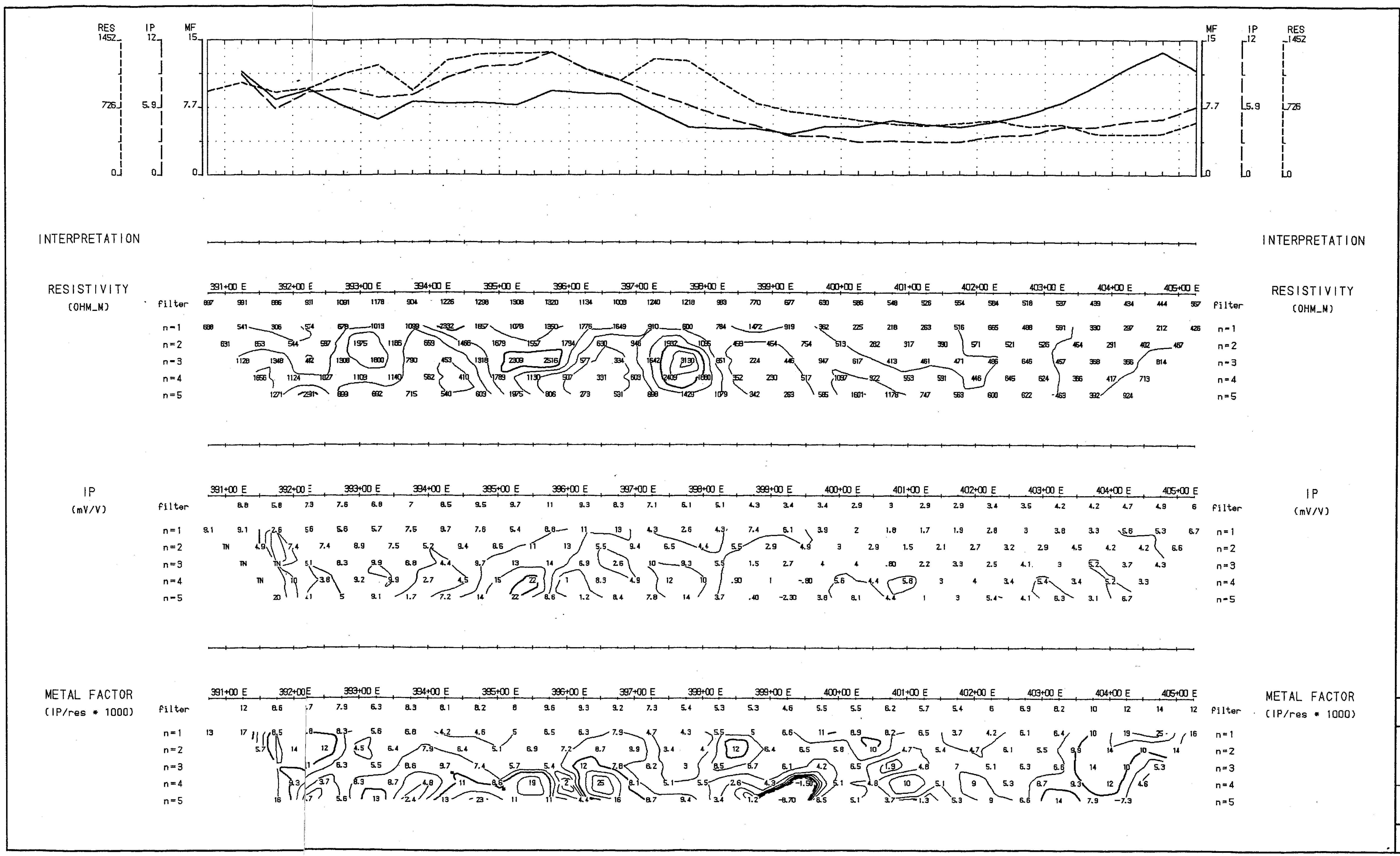
50 0 50 100 150 200 250 (metres)

EAGLE GRID

INDUCED POLARIZATION SURVEY
Line 43000 N

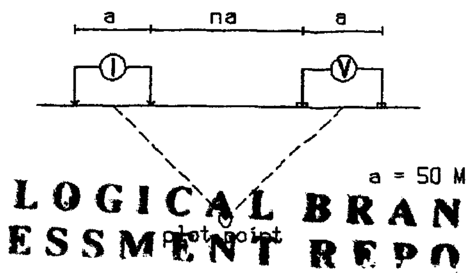
Date: 89/10/19
Interpretation by: L. Bradish

noranda



Line 43225 N

Dipole-Dipole Array



Filter

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

50 0 50 100 150 200 250 (metres)

EAGLE GRID

INDUCED POLARIZATION SURVEY
Line 43225 N

Date: 89/10/19
Interpretation by: L. Bradish

noranda