

MAP NO.: ASSESSMENT REPORT X
115 H 4 PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 092764
MINING DISTRICT: Whitehorse
TYPE OF WORK: Geochemical, geophysical

REPORT FILED UNDER: Noranda Exploration Co. Ltd

DATE PERFORMED: 5-19 July, 1989

DATE FILED: 11 October, 1989

LOCATION: LAT.: 61°14'N

AREA: Killermun Lake

LONG.: 137°41'W

VALUE \$: 26 500.00

CLAIM NAME & NO.: ARC 1-32 (YB07826-45, YB21587-99)
STROKER 1-20 (YB20426-45)

WORK DONE BY: K.D. Galambos

WORK DONE FOR: Noranda Exploration Co. Ltd

DATE TO GOOD STANDING:

REMARKS: #32 SHUT

Work in 1989 consisted of a soil grid (1133 samples), and 6 days of magnetometer surveys. Large areas of the grid returned anomalous arsenic values (up to 3000 ppm). Sporadic linear or irregular gold anomalies were also found to a maximum of 1250 ppb. No bedrock source was found for the gold. The magnetometer survey showed narrow linear shears and outlined a broader magnetite-rich skarn zone.

GEOLOGICAL, GEOCHEMICAL & GEOPHYSICAL REPORT

on the

ARC 1 - 32, STROKER 1 - 20

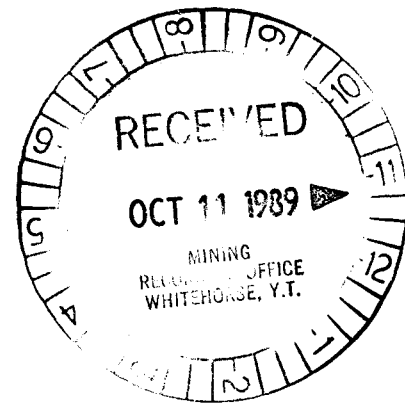
Whitehorse Mining District

N.T.S.: 115 H/4

Latitude: 61 14'N

Longitude: 137 41'W

24, 5-17, 1989

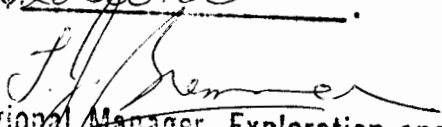


Owner: Noranda Exploraton Co. Ltd
(no personal liability)

K.D. Galambos, P. Eng.
September, 1989

092764

This report has been examined by
the Geological Survey Unit
under Section 10(1) Yukon Quartz
Mining Act and allowed as
representation work in the amount
of \$26,500.00.


for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

SUMMARY

The Arc-Stroker property consists of 52 contiguous mineral claims located within the Ruby Range in south-western Yukon. It is accessible by a .5 hour helicopter charter from Haines Junction or by float plane from Whitehorse.

Sixty-seven person days were spent on the property collecting 1133 soil samples, 54 rock samples and 2 silt samples. Surveys revealed areas anomalous to strongly anomalous in arsenic while gold values were generally low and spotty. Only small quartz-carbonate veins containing arsenopyrite were found to carry gold values, up to 2.84 gmt (values up to 87.03 gmt gold were reported from previous sampling).

A six day, 30km magnetometer survey was completed by contract personnel. The survey shows linear highs associated with the low geochem values and highlights what is probably magnetite rich skarn zones in the northern claims. Low to moderate gold geochem values are associated with these zones. No outcrop source has been located.

No further action is recommended for the property.

TABLE OF CONTENTS

	Page
SUMMARY	
TABLE OF CONTENTS	
LIST OF TABLES	
LIST OF FIGURES	
APPENDICES	
CHAPTER ONE : INTRODUCTION	
1-1 : Introductory Statement	1
1-2 : Location & Access	1
1-3 : Physiography & Vegetation	1
1-4 : History of Claims	4
1-5 : Work Program	4
CHAPTER TWO : GEOLOGY	
2-1 : Regional Geology	7
2-2 : Property Geology	7
CHAPTER THREE: GEOCHEMISTRY	
3-1 : Silt Geochemistry	12
3-2 : Soil Geochemistry	12
3-3 : Rock Geochemistry	17
CHAPTER FOUR : GEOPHYSICS	18
CHAPTER FIVE : MINERALIZATION	19
CHAPTER SIX : CONCLUSIONS & RECOMMENDATIONS	20
References	21
Statement of Costs	22
Statement of Qualifications	23

LIST OF TABLES

	Page
Legend	8

LIST OF FIGURES

Figure 1: Location Map		2
Figure 2: Claim Location Map	1:250,000	3
Figure 3: Claim Map	1:30,000	5
Figure 4: Regional Geology	1:30,000	10
Figure 5: 1988 Prospector Sample Location Map	1:20,000	13
Figure 6: 1988 Noranda Sample Location Map	1:20,000	14
Figure 7: Grid Location Map	1:20,000	15
Figure 8: 1989 Sample Location Map	1:5,000	pocket
Figure 9: Geochemical Survey Au	1:5,000	"
Figure 10: Geochemical Survey As	1:5,000	"
Figure 11: Geochemical Survey As/Au	1:5,000	"
Figure 12: Magnetometer Survey	1:5,000	"

APPENDICES

Appendix 1: Soil Sample Geochemical Results	24
Appendix 2: Rock Sample Descriptions & Geochemical Results	84
Appendix 3: Geophysical Surveys & Discussion of Results	109

CHAPTER ONE: INTRODUCTION

1-1: Introductory Statement

The Arc 1-20 (YB07826-845), Arc 21-32 (YB21587-599) and Stroker 1-20 (YB20426-445), (52 claims) are located 45km northeast of Haines Junction and 7km north of Killermun Lake.

The initial claims (Arc 1-20) were staked to cover an area believed to be the source of a 1987 government goechem silt anomaly. Subsequent claims were staked on speculation (Stroker 1-20) as well as to cover possible extensions (Arc 21-32).

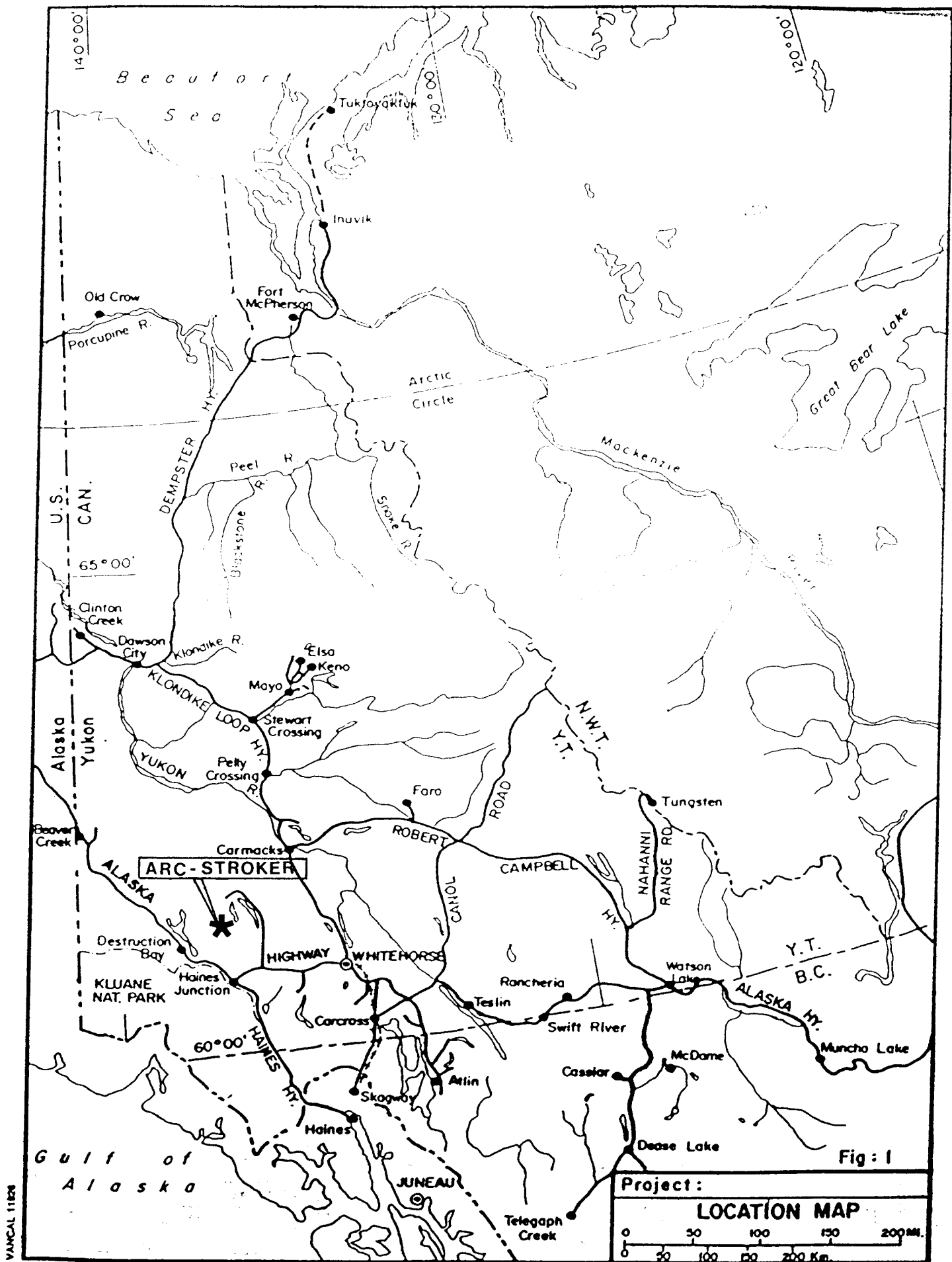
During the 1989 field season a program of prospecting, soil sampling and geophysics was conducted over the property.

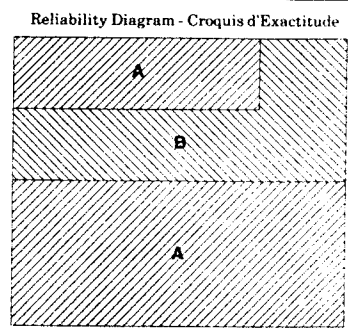
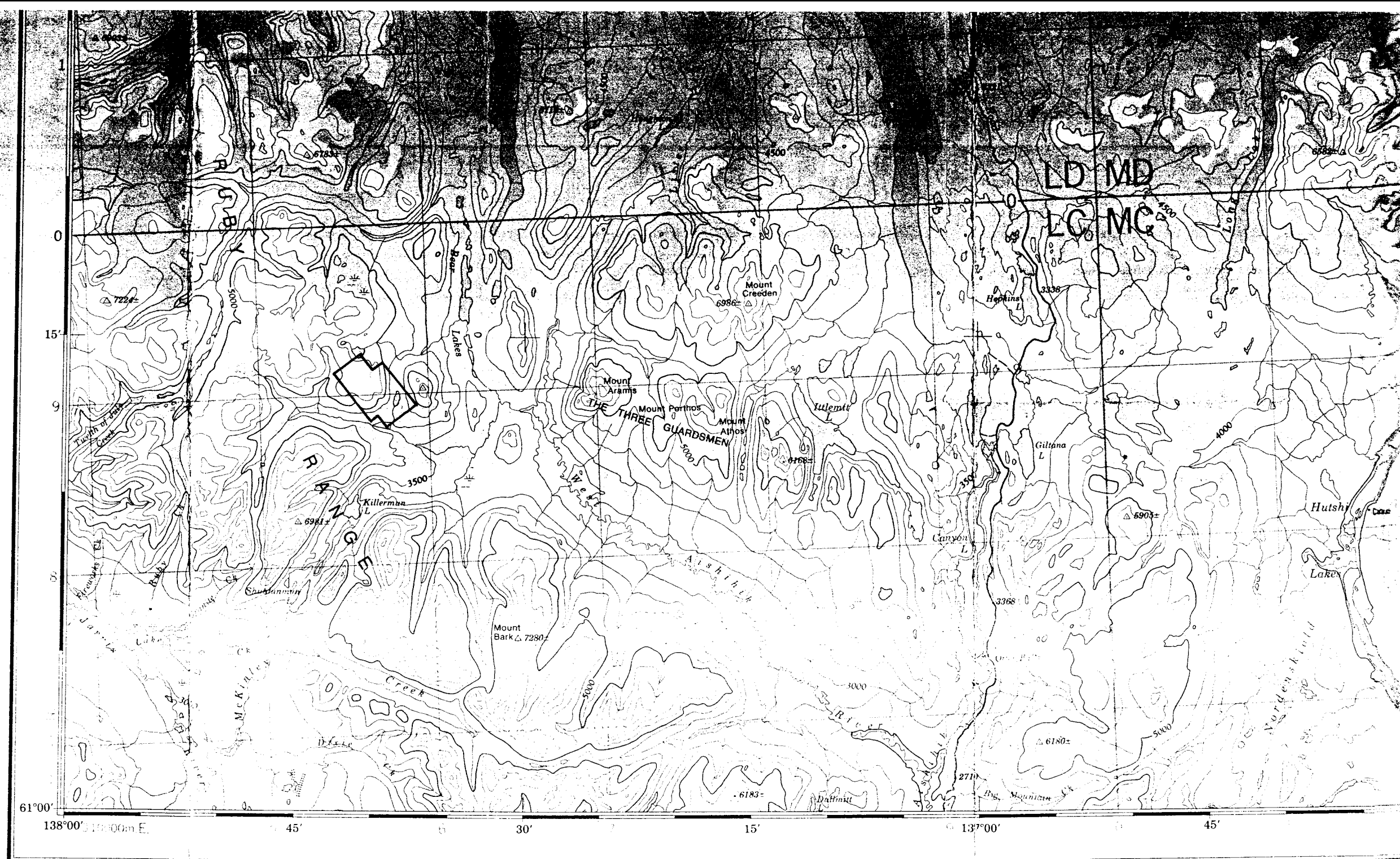
1-2: Location & Access

The property is located at Latitude 61 16'N, Longitude 137 41'W on the 115 H/4 mapsheet, 45km northeast of Haines Junction in southwestern Yukon. Access is via a .5 hour helicopter charter from Haines Junction or float plane from Whitehorse.

1-3: Physiography & Vegetation

The claims lie within the Ruby Range in southwestern Yukon and centres about a 2000m high mountain which slopes to 1200m to the south. A number of moderately sized lakes dot the property in the lower elevations. The property is generally above treeline with minor low willow and alder surrounding the lakes and covering the lower claims to the south. Spruce trees are stunted and widely spaced.





A-Large scale mapping, photogrammetric, 1955.
B-Large scale mapping, photogrammetric, updated from 1955 aerial photography.
A-Cartographie à grande échelle, photogrammétrique, 1955.
B-Cartographie à grande échelle, photogrammétrique, mise à jour d'après des photographies aériennes prises en 1955.

Produced, 1969, by the SURVEYS AND MAPPING BRANCH,
 DEPARTMENT OF ENERGY, MINES AND RESOURCES.
 Printed 1971.

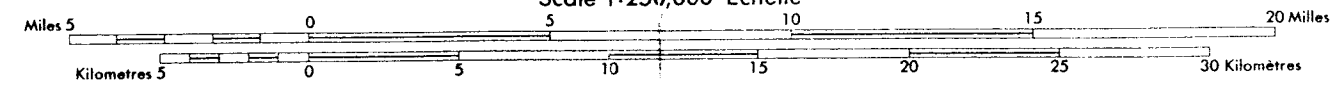
Magnetic declination 1970 varies from 30°34' easterly at
 centre of west edge to 31°19' easterly at centre of east edge.
 Mean annual change 3.7' westerly.

Roads:
 loose or stabilized surface, all weather..... 2 lanes or more less than 2 lanes
 loose surface, dry weather.....
 cart track.....
 trail or portage.....

FOR COMPLETE REFERENCE SEE REVERSE SIDE

AISHIHIK LAKE YUKON TERRITORY

Scale 1:250,000 Échelle



CONTOUR INTERVAL 500 FEET
 Elevations in Feet above Mean Sea Level
 North American Datum 1927
 Transverse Mercator Projection

Copies may be obtained from the Canada Map Office,
 Department of Energy, Mines and Resources, Ottawa,
 or your nearest map dealer.

© Canada Copyrights Reserved 1974

EQUIDISTANCE DES COURBES 500 PIEDS
 Élévations en pieds au-dessus du niveau moyen de la mer
 Système de référence géodésique nord-américain, 1927
 Projection transverse de Mercator

Ces cartes sont en vente au Bureau des Cartes du Canada,
 ministère de l'Énergie, des Mines et des Ressources, Ottawa,
 ou chez le vendeur le plus près.

© Canada 1974, tous droits réservés

1-4: History of the Claims

The Arc 1-20 were staked by John Peter Ross to cover a 1987 government geochem silt anomaly showing elevated As and Au values. The Stoker 1-20 were staked by Archer Cathro on speculation that they may contain a mineralized structure similar to that found on the Lib. The Arc 21-32 were staked to cover possible extensions off of the main claim block.

CLAIM	GRANT NO.	STAKED	REGISTERED	EXPIRY
Arc 1-20	YB07826-45	Aug. 26/87	Sept. 3/87	Sept. 3/93
Arc 21-32	YB21587-99	Aug. 21/88	Sept. 8/88	Sept. 3/94
Stoker 1-20	YB20426-45	June 29/88	July 12/88	Sept. 3/95

1-5: Work Program

In September of 1988 a one day visit was made to the Arc-Stoker property by three Noranda personnel. During the time spent on the property 41 soil samples and 13 rock samples were collected. During the 1989 field season 67 person days were spent on the property placing 4.4km of slope corrected, picketed baseline and sampling 60 line km of flagged grid for a total of 1133 soils. As well, 54 rock samples and two silt samples were collected from the property. Six days of contract magnetometer surveys were completed on 30 line km of the grid.

Noranda personnel involved in the program include:

1988 Program;

K. Galambos	Project Geologist	Whitehorse, Yukon
G. MacKay	Field Geologist	" "
B. Bark	" Asst.	Coburg, Ontario

J.P. Ross	Prospector	Whitehorse, Yukon
1989 Program;		
K. Galambos	Project Geologist	Whitehorse, Yukon
R. Diment	Field Geologist	Delta, B.C.
M. Muirhead	Field Asst.	Vancouver, B.C.
D. Kelsch	" "	Vancouver, B.C.
M. Lamb	Field Asst.	Edmonton, Alta.

Contractors used during the program include:

MPH Geophysical Consultants	Toronto, Ontario
Aerokon Aviation	Whitehorse, Yukon

CHAPTER TWO: GEOLOGY

2-1: Regional Geology

The Arc-Stroker claim group lies within the Yukon Crystalline Terrain comprised mainly of metamorphic rocks intruded by large batholith of Triassic to Cretaceous intrusive rocks. The property lies near the southern contact of the Triassic Ruby Range Batholith and a Paleozoic hornfelsed schist. The batholith consists of an elongated mass of medium grained hornblende, biotite granodiorite approximately 30km wide and 150 km long. Small area of Tertiary Carmacks Group acidic volcanics occur within the batholith towards the northeast. It is bounded to the north by Eocene Coffee Creek granite.

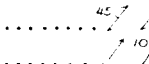
2-2: Property Geology

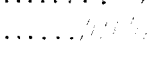
No attempts were made to map the property due to its complex nature. The intrusive rocks which underlie the claim group are for the most part medium to coarse grained hornblende biotite granodiorite with small (cm) to large (m) blocks of various igneous lithologies. Large breccias were noted as well as small (up to 30cm) aplite dykes which tend to crosscut most structures. A large roof pendant of limestone was found in the northwestern section of the grid. This limestone exhibited calc-silicate alteration locally and contains minor base metal values. Quartz-carbonate and quartz veins are abundant and range from .1cm to up to 1m on all parts of the grid. Some of these veins contain noticable shearing and/or sulphides.

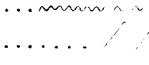
PROTEROZOIC AND/OR PALEOZOIC

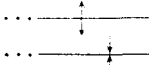
- Rvb** MASSIVE GREEN VOLCANICS: massive dark green epidotized basalt; minor tuff breccia
- PPm** AMPHIBOLITE: dark green fine-grained amphibolite; includes inter-foliated schist and gneiss
- PPsqr** HORNFEISED SCHIST: dark purplish brown staurolite cordierite biotite hornfels with relict schistose texture
- PPc** MARBLE: light grey and white coarsely crystalline, locally finely laminated fetid marble
- PPsbq** BIOTITE SCHIST: brown grey weathering, recessive, chlorite muscovite biotite quartz schist and micaceous quartzite; garnetiferous; minor amphibolite, marble and skarn

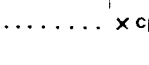
Geological boundary (defined, approximate, assumed) 

Bedding tops known (horizontal, inclined, vertical) 

Foliation (inclined, vertical) 

Lineation (horizontal, inclined) 

Trend of dykes (from air photographs) 

Fault (defined, inferred) 

Jointing (inclined, vertical) 

Antiform (location approximate) 

Synform (location approximate) 

Mineral occurrence x cp

METALS AND MINERALS

Chalcopyrite...cp Scheelite...sh
Magnetite....mag Sphalerite..sp

Geology by D.J. Tempelman-Kluit 1970, 1971, 1972

To accompany Paper 73-41 by D.J. Tempelman-Kluit

This preliminary edition may be subject to revision and correction

Geological cartography by the Geological Survey of Canada

Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Base-map at the same scale published by the Surveys and Mapping Branch, Department of Energy, Mines and Resources in 1971

Copies of the topographical edition of this map may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa

Magnetic declination 1973 varies from 30°22' easterly at centre of west edge to 31°10' easterly at centre of east edge. Mean annual change 3.7' westerly

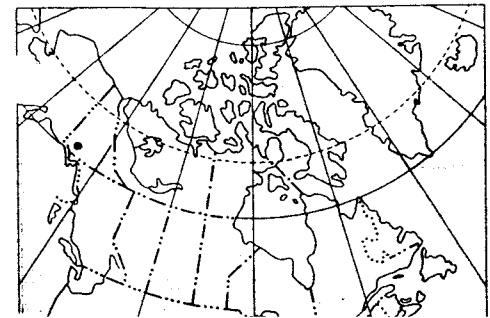
Elevations in feet above mean sea-level

LEGEND

CENOZOIC	EOCENE OR YOUNGER	
	T _{LR}	LITTLE RIDGE VOLCANICS: brown, purple and green basalt and flow breccia
	eT _{Cv}	CARMACKS GROUP: brown-weathering, brown augite olivine basalt and flow breccia
	T _v	UNDIFFERENTIATED VOLCANICS: brown and green feldspar porphyry dyke and flow rocks of intermediate composition
	T _{vr}	VARICOLOURED ACID TUFF: brightly coloured, light-weathering acid vitric crystal tuff, lapilli tuff and welded tuff; includes plugs and necks that are feeders to these extrusive rocks
	EOCENE	
	T _{MN}	MOUNT NANSEN GROUP: dark grey to black weathering (blocky talus), dark greenish-grey, aphanitic, intermediate to acid, massive, tuff and tuff-breccia
	T _{fp}	FELDSPAR PORPHYRY: orange and buff weathering light-coloured feldspar porphyry dyke and flow rocks of intermediate to acid composition; may include Nisling Range Alaskite (T _{gal}) undifferentiated. Where these rocks are represented by intrusive phases this is indicated by a lined pattern defining the trend of dykes, where they are extrusive this pattern is not shown
	T _{gal}	NISLING RANGE ALASKITE: fine-grained, microlitic, buff-weathering leucogranite or alaskite; may include Coffee Creek (T _g), and feldspar porphyry (T _{fp}) undifferentiated
	T _g	COFFEE CREEK GRANITE: coarse-grained, equigranular, buff-weathering, homogeneous biotite granite and quartz monzonite; includes Nisling Range Alaskite undifferentiated
MESOZOIC	HORNBLLENDE DIORITE: melanocratic fine-grained equigranular biotite hornblende diorite; may include Ruby Range granodiorite (R _{gd}) undifferentiated	
	LOWER CRETACEOUS AND/OR UPPER JURASSIC	
	L _{Kt}	TANTALUS FORMATION: chert pebble conglomerate with minor interbedded sandstone and shale
	LOWER AND MIDDLE JURASSIC	
	J _l	LABERGE GROUP: poorly sorted, white and buff weathering, medium bedded to massive sandstone with interbedded pebble and boulder conglomerate and minor shale
	M _{qmp}	PORPHYRITIC QUARTZ MONZONITE: porphyritic (pink K-feldspar) medium-grained, hornblende biotite quartz monzonite; includes minor pink quartz monzonite (R _{qm}) and hornblende granodiorite (R _{gdm}) undifferentiated
	TRIASSIC (?)	
	R _{qm}	PINK QUARTZ MONZONITE: pink coarse-grained leucocratic quartz monzonite and porphyritic pink quartz monzonite; may include porphyritic quartz monzonite (M _{qmp}) undifferentiated
	R _{gdm}	HORNBLLENDE GRANODIORITE: dark grey weathering, coarse-grained, equigranular biotite hornblende granodiorite to quartz diorite; commonly shows layering or foliation by alignment of mafics; includes pink quartz monzonite (R _{qm}) and porphyritic quartz monzonite (M _{qmp}) undifferentiated
	R _{gd}	RUBY RANGE GRANODIORITE: medium-grained, equigranular, grey, hornblende biotite granodiorite; includes undifferentiated diorite (L _{Mdim}); may include biotite granite (T _g)



138° 00' 45' 30' 15' 137° 00' 45' 30' 15' Printed by the Surveys and Mapping



MAP 17-1973
PAPER 73-41
GEOLOGY
AISHIHIK LAKE
YUKON TERRITORY
Scale 1:250,000

115 N-O	115 P	1
18-1973	1143A	89
115 K-J	115-I	
16-1973	340 A	1
115 F-G	115 H	

Fig. 4

Numerous lineations were noted in airphoto examinations and are probably fault related. The blocky nature of the intrusive often masks these lineations when examined in the field.

CHAPTER THREE: GEOCHEMISTRY

3-1: Silt Geochemistry

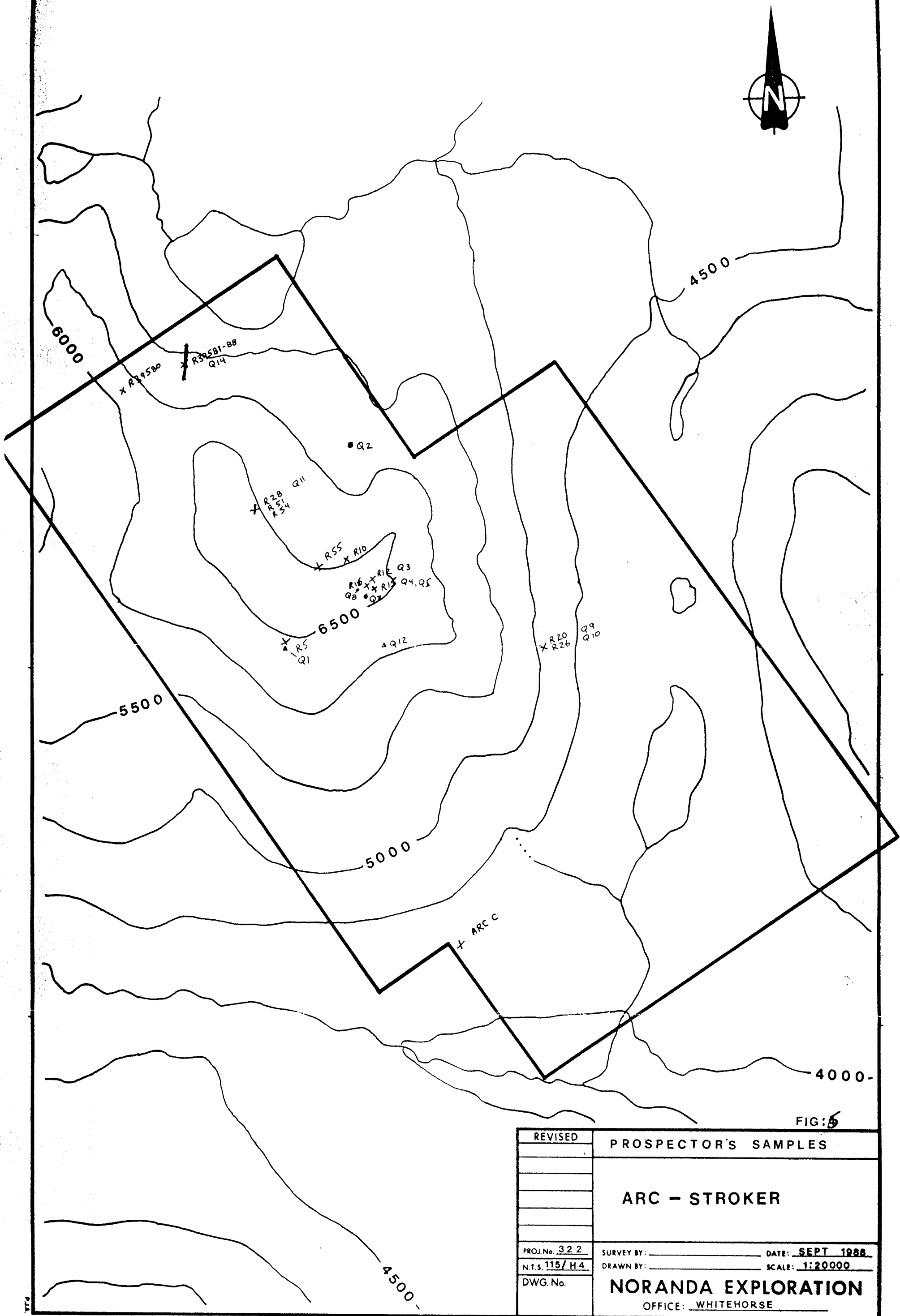
Two silt samples were collected from active runoff channels on the northeast portion of the grid. Samples were delivered to the Noranda Lab in Vancouver for preparation and analysis for Ag, As and Au, by atomic absorption spectrophotometry. Analysis for Hg was done by Acme Analytical of Vancouver by flameless A.A.. No anomalous values were returned from these samples.

3-2: Soil Geochemistry

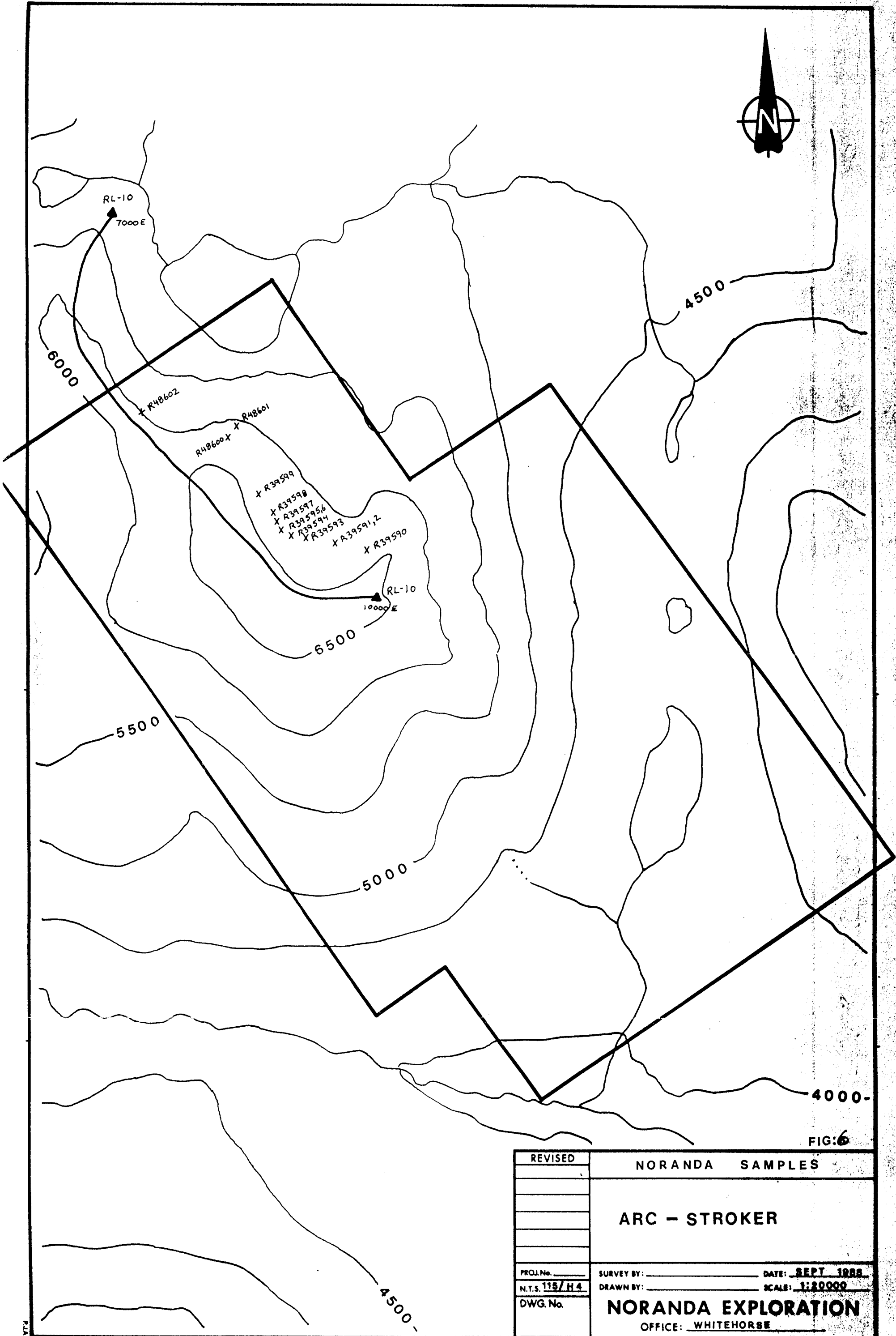
The majority of the property has not undergone recent glaciation with the exception of a small cirque present on the northern section of the claim group. The soil development is quite good on stable slopes and consists of a .5 to 10cm organic layer overlying good B horizon soils. A thin ash layer is present on the valley floor to the east. B-horizon soils were of varying thickness and overlaid fine to very coarse C-horizon soils. A thick layer of blocky felsenmeer dominates the property with good outcrop present only on the steepest sections.

Thirty three soil samples collected in 1988 by the prospector were sent for analysis to Acme Analytical Lab. During a one day visit in September of 1988 Noranda personnel collected 41 soil samples from a reconnaissance line which was run across the property (see fig. 6). The samples were sent to the Noranda Lab for preparation and then Acme Analytical for their 30 element ICP package with Au and Hg values determined by atomic absorption and flameless A.A..

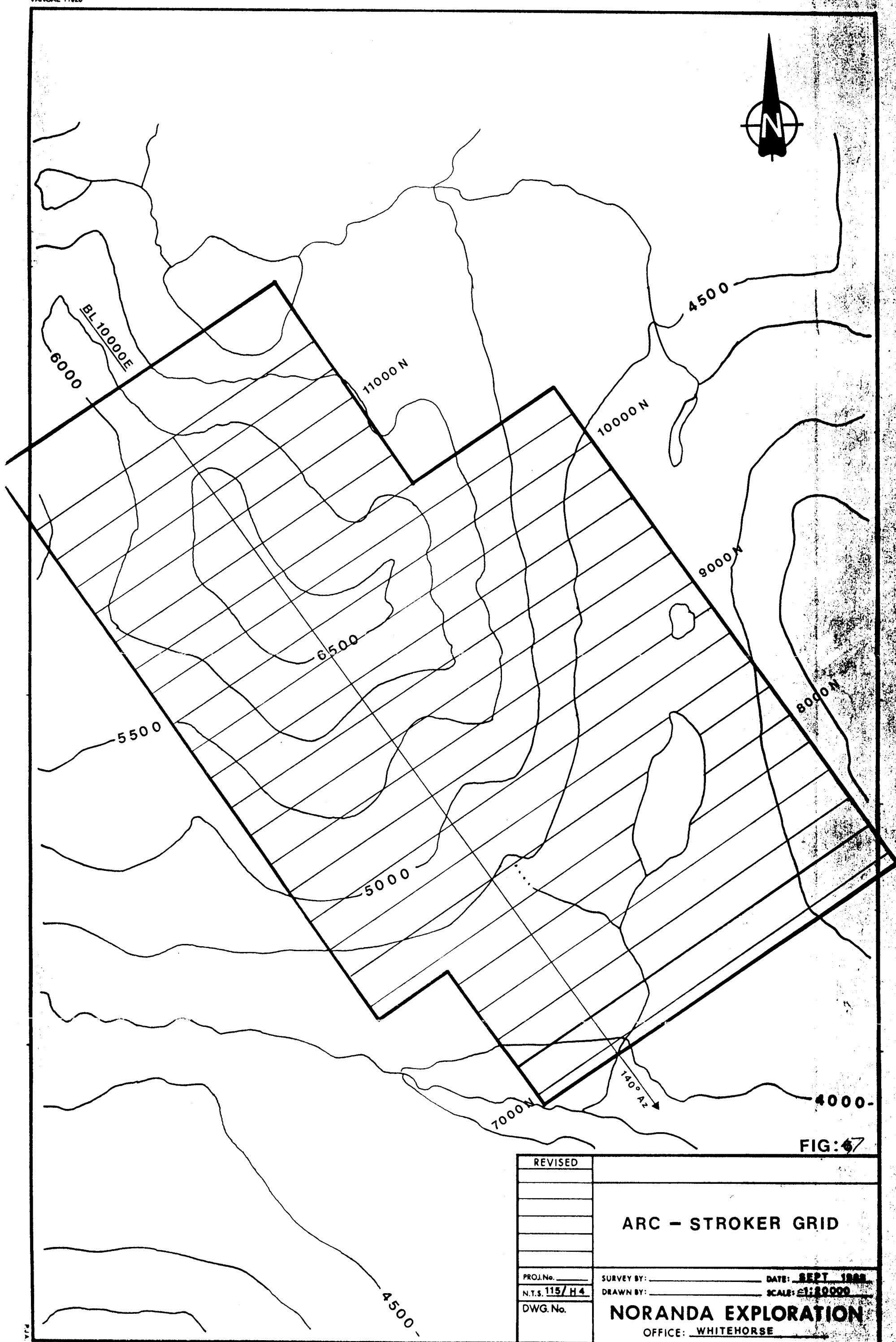
During the 1989 season, soil samples were collected at 50m



REVISED	PROSPECTOR'S SAMPLES	
	ARC - STOKER	
PROJ.No. 322	SURVEY BY: _____	DATE: SEPT 1988
N.T.S. 115/H4	DRAWN BY: _____	SCALE: 1:20000
DWG.No.	NORANDA EXPLORATION	
	OFFICE: WHITEHORSE	



REVISED	NORANDA SAMPLES	
	ARC - STROKER	
PROJ. No. _____	SURVEY BY: _____	DATE: <u>SEPT 1988</u>
N.T.S. <u>115/H4</u>	DRAWN BY: _____	SCALE: <u>1:20000</u>
DWG. No. _____	NORANDA EXPLORATION	
	OFFICE: <u>WHITEHORSE</u>	



intervals (where possible) on lines spaced 200m apart. A total of 1133 soil samples were collected and shipped to the Noranda Lab in Vancouver for preparation and analysis for Ag, As and Au by atomic absorption spectrophotometry. Analysis for Hg was done by Acme Analytical of Vancouver by flameless A.A..

Results of the survey show large areas of the grid to be anomalous to strongly anomalous in As (best value 30000ppm). Gold values ≥ 50 ppb are sproadic (best value 1250ppb) while those ≥ 20 ppb show some grouping and linear trends. No bedrock source was found for most of the soil anomalies. Both Ag and Hg results proved to be inconclusive.

GRID SOILS STATISTICS

(Note: Reduced Average excludes values) 3 S.D.)

	Ag	As	Au
# Samples	1132	1132	1132
High	10.1	30000	1250
Low	0.1	1	5
Stnd. Dev.	0.4	925	51
Distribution (# of values within)			
Avg. + 0-0.5 S.D.	1010	1083	1073
0.5-1 S.D.	82	32	33
1-2 S.D.	29	12	13
2-3 S.D.	5	2	4
> 3 S.D.	6	3	9
Simple Avg.	0.3	170.1	13.7
Reduced Avg.	0.2	138.1	10.1

Complete results are included in appendix 1.

3-3: Rock Geochemistry

In 1988, 13 rock samples were collected by Noranda personnel and 22 by the prospector. All were sent to Acme Analytical for 30 element ICP with Au and Hg values determined by atomic absorption and flameless A.A..

During the 1989 season 54 rock samples were collected and sent to Acme Analytical for similar determinations. Refer to the sample location map, fig. 8..

The best value returned was 11.82 gmt Au from one of the prospectors grab samples. Complete results are included in appendix 2.

CHAPTER FOUR: GEOPHYSICS

A six day, 30.0 magnetometer survey was conducted over the main target area of the grid. Results tended to show narrow linear features which are probably shear related as well as a broader zone of high magnetics which is reflecting a magnetite rich skarn zone. For further discussion of the survey results refer to appendix 3.

CHAPTER FIVE: MINERALIZATION

Only minor small quartz-carbonate veins were located in float and in outcrop. A number of these contain anomalous to strongly anomalous arsenic while only a few run interesting but not economic gold values. The best Noranda sample was 2.84 gmt Au from quartz-arsenopyrite veining in talus. Minor calc-silicate alteration exists in veins and along the contact of the intrusive with a large roof pendant of limestone. No values of interest were noted in this unit.

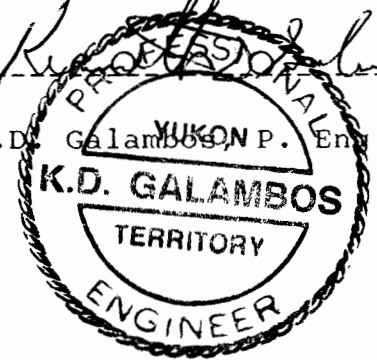
CHAPTER SIX: CONCLUSIONS & RECOMMENDATIONS

During a two week period in 1989 a five person crew placed a 4.4km slope corrected, picket baseline and 60km of flagged line, collected 1133 soil samples, 54 rock samples and 2 silt samples. A two person contract crew spent six days on the property and completed a 30km magnetometer survey.

Only small quartz-carbonate veins were discovered some of which were strongly anomalous in arsenic but carried only minor gold values, up to 2.84 gmt. Values up to 11.82 gmt Au were returned from previous sampling but widths remain very narrow.

No further work is recommended for the property.

Respectfully submitted by;


K.D. Galambos, P. Eng.

The seal is circular with a rope-like border. Inside the circle, the text "YUKON TERRITORY" is at the top, "K.D. GALAMBOS" is in the center, and "ENGINEER" is at the bottom.

REFERENCES

Galambos/Copland

1988: Examinationn Report on the Arc Stroker Claims,
Internal Noranda Report

D.J. Tempelman-Kluit

1974: GSC Paper 73-41 Reconnaissance Geology of Aishihik
Lake, Snag and part of Stewart River Map-areas, West
Central Yukon

STATEMENT OF COSTS

PROJECT: Arc 1-32 Stroker 1-20

LABOUR:

(1988) 3 person days at \$150/day \$ 450.

(1989) 67 person days at \$150/day 10,050.

SUPPLIES & LODGING

(1989) 79 person days at \$50/day 3,950.

GROUND TRANSPORT

(1988) 100.

(1989) 200.

AIR TRANSPORT

(1988) 650.

(1989) 5,100.

CONTRACTORS

Geophysical Crew 6,600.

GEOCHEM ANALYSIS

1207 soils at \$15/sample 18,105.

2 silts at \$15/sample 30.

89 rocks at \$20/sample 1,780.

ANALYSIS TOTAL 19,915.

Report writing, drafting, etc. 2,000.

TOTAL \$49,015.

STATEMENT OF QUALIFICATION

I, Kenneth D. Galambos, do hereby certify that:

- 1) I am a Geological Engineer residing at Mile 6.5 of Mayo Rd.
Yukon Territory.
- 2) I am a graduate of the University of Saskatchewan with a B.E.
in the Northern Cordillera
- 3) I have practised my profession for the past nine years
primarily in the Northern Cordillera.
- 4) I supervised and participated in field work done on the
claims in this report.
- 5) I am a member of the Association of Professional Engineers
of the Yukon Territory.



Kenneth D. Galambos, P. Eng.
Geological Engineer


APPENDIX 1

Soil Sample Geochemical Results

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: KILLER AU

CODE : 8307-050

Project No. : 322 Sheet: 1 of 7 Date rec'd: JUL 13
Material : 379 SOILS & Geol.: K.G. Date compl: AUG 63
Remarks : 12 SILTS

Values in PPM, except where noted.

T. T. No.	SAMPLE No.	Ag	As	ppb Au
2	SILT 117154	0.1	30	5
3	SILT 117153	0.1	14	5
4	8000N-10000E	0.1	52	5
5	10050	0.3	200	5
6	10150	0.3	170	10
7	10200	0.7	120	5
8	10250	0.4	104	10
9	10300	0.2	170	5
10	10350	0.1	130	5
11	10400	0.1	76	5
12	8000N-10450E	0.2	70	5
13	9200N-3000E	0.2	110	10
14	9050	0.1	58	5
15	9100	0.1	42	5
16	9150	0.2	36	5
17	9200	0.1	72	5
18	9250	0.3	102	5
19	9300	0.2	30	10
20	9350	0.1	120	15
21	9400	0.1	16	10
22	9450	0.3	86	10
23	9500	0.1	230	30
24	9550	0.1	100	20
25	9600	0.1	140	5
26	9650	0.1	24	5
27	9700	0.1	30	5
28	9750	0.1	86	15
29	9800	0.1	30	5
30	9850	0.1	4	25
31	9900	0.1	106	20
32	9950	0.1	54	5
33	10000	0.1	130	5
34	10050	0.1	110	10
35	10100	0.1	36	5
36	10150	0.1	28	5
37	10200	0.1	140	5
38	10250	0.1	130	15
39	10300	0.1	28	5
40	10350	0.2	710	5
41	10400	0.1	120	5
42	10450	0.1	4	5
43	10650	0.1	1	5
44	10700	0.1	22	5
45	10750	0.1	28	20
46	10800	0.1	62	5
47	10850	0.1	60	5
48	10900	0.1	160	10
49	9200N-10950E	0.7	2200	50

I. I. No.	SAMPLE No.	Ag		PPB Au	8307-050 Pg. 2 of 7
		Ag	Au		
50	9200N-11000E	1.8	3000	45	
51	9400N-9000E	0.1	104	10	
52	9050	0.1	62	25	
53	9100	0.2	410	30	
54	9150	0.2	440	50	
55	9200	0.1	300	55	
56	9250	0.1	150	30	
57	9300	0.1	30	5	
58	9350	0.1	104	15	
59	9400	0.2	240	15	
60	9450	0.2	1600	190	
61	9500	0.2	68	5	
62	9550	0.1	260	35	
63	9600	0.2	16	5	
64	9650	0.1	280	25	
65	9700	0.1	56	5	
66	9750	0.1	62	5	
67	9800	0.1	102	10	
68	9850	0.1	52	10	
69	9900	0.1	150	5	
70	9950	0.1	36	5	
71	10000	0.1	16	5	
72	10050	0.1	120	5	
73	10100	0.1	12	5	
	10150	0.1	1	10	
75	10200	0.1	86	5	
76	10250	0.1	290	15	
77	10300	0.1	54	5	
78	10350	0.1	40	10	
79	10400	0.1	44	5	
80	10450	0.2	250	15	
81	10500	0.1	106	5	
82	10550	0.1	84	10	
83	10600	0.1	98	5	
84	10650	0.1	32	5	
85	10700	0.1	350	5	
86	10750	0.1	30	5	
87	10800	0.1	34	5	
88	10850	0.1	74	5	
89	10900	0.1	56	10	
90	10950	10.1	30000	625	
91	9400N-11000E	0.1	350	5	
92	9600N-9000E	0.1	74	10	
93	9050	0.2	150	10	
94	9100	0.3	180	10	
95	9150	0.1	102	25	
96	9200	0.1	22	40	
97	9250	0.1	12	5	
98	9300	0.2	84	10	
99	9350	0.3	270	20	
100	CHECK NL 6	1.0	88	-	
101	9400	0.1	130	15	
102	9450	0.1	8	5	
103	9500	0.1	1	5	
104	9550	0.1	14	5	
105	9600	0.1	10	5	
106	9600N-9650E	0.1	62	10	

T. T. No.	SAMPLE No.	Ag	As	PPB Au	8907-050 Pg. 3 of 7
107	3600N-9700E	0.1	70	15	
108	9750	0.1	120	20	
109	9800	0.1	120	5	
110	9850	0.1	60	5	
111	9900	0.1	24	5	
112	9950	0.1	22	5	
113	10000	0.1	66	40	
114	10050	0.1	54	5	
115	10100	0.1	16	30	
116	10150	0.1	6	10	
117	10200	0.1	28	35	
118	10250	0.1	36	5	
119	10300	0.1	84	5	
120	10350	0.1	96	15	
121	10400	0.1	60	10	
122	10450	0.1	40	10	
123	10500	0.1	52	50	
124	10550	0.1	58	5	
125	10600	0.1	68	5	
126	10700	0.1	250	5	
127	10750	0.1	52	5	
128	10800	0.1	36	15	
129	10850	0.1	34	5	
130	10900	0.1	58	10	
	10950	0.1	64	5	
132	9600N-11000E	0.5	500	30	
133	9800N-9000E	0.2	28	5	
134	9050	0.1	72	15	
135	9100	0.1	34	5	
136	9150	0.1	30	5	
137	9200	0.1	24	5	
138	9250	0.1	48	10	
139	9300	0.1	60	5	
140	9350	0.1	66	5	
141	9400	0.1	22	5	
142	9450	0.1	76	5	
143	9500	0.1	28	5	
144	9550	0.1	60	5	
145	9600	0.1	120	5	
146	9650	0.1	130	5	
147	9700	0.1	140	5	
148	9750	0.1	10	5	
149	9800	0.1	40	15	
2	9850	0.1	8	25	
3	9900	0.1	10	5	
4	9950	0.1	8	5	
5	10000	0.1	6	5	
6	10050	0.1	8	5	
7	10100	0.2	24	5	
8	10150	0.1	8	5	
9	10200	0.1	4	5	
10	10250	0.1	22	5	
11	10300	0.1	18	5	
12	10350	0.2	38	5	
13	10400	0.1	22	5	
14	10450	0.2	24	5	
5	9800N-10500E	0.1	10	5	

T. T. No.	SAMPLE No.	Ag	Am	PPB Au	8907-050 Pg. 4 of 7
16	9800N-10550E	0.2	48	120	
17	10600	0.1	26	15	
18	10650	0.1	60	5	
19	10700	0.2	58	5	
20	10750	0.2	72	5	
21	10850	0.6	500	490	
22	10900	0.1	190	10	
23	10950	0.3	200	5	
24	9800N-11000E	0.3	290	5	
25	10000N-9000E	0.1	28	5	
26	9050	0.2	22	5	
27	9100	0.1	20	5	
28	9150	0.1	34	5	
29	9200	0.2	36	5	
30	9250	0.1	12	5	
31	9300	0.1	10	5	
32	9350	0.1	12	5	
33	9400	0.2	70	10	
34	9450	0.1	10	5	
35	9500	0.2	28	5	
36	9550	0.3	74	5	
37	9600	0.1	22	40	
38	9650	0.2	38	5	
39	9700	0.1	32	5	
40	9750	0.1	14	5	
41	9800	0.1	10	5	
42	9850	0.1	4	45	
43	9900	0.1	10	10	
44	9950	0.1	12	5	
45	10000	0.1	12	5	
46	10050	0.1	4	5	
47	10100	0.2	120	10	
48	10150	0.1	2	5	
49	10200	0.1	4	5	
50	10250	0.1	1	5	
51	10300	0.1	6	5	
52	10350	0.1	72	5	
53	10400	0.1	50	5	
54	10450	0.1	12	5	
55	10500	0.1	28	20	
56	10550	0.1	24	5	
57	10600	0.1	28	5	
58	10650	0.1	22	5	
59	10700	0.2	30	5	
60	10750	0.1	58	5	
61	10800	0.2	42	5	
62	10850	0.1	48	5	
63	10900	0.1	70	5	
64	10950	0.2	56	5	
65	10000N-11000E	0.2	160	30	
66	10200N-9000E	0.2	26	5	
67	9050	0.1	30	5	
68	9100	0.1	16	10	
69	9150	0.1	40	5	
70	9200	0.1	12	5	
71	9250	0.1	26	5	
72	10200N-9300E	0.1	18	5	

T. T.	SAMPLE No.	Ag	As	PPB Au	8907-050 Pg. 5 of 7
73	10200N-9350E	0.2	40	5	
74	9400	0.1	68	20	
75	9450	0.1	24	5	
76	9500	0.1	22	35	
77	9550	0.1	30	5	
78	9600	0.2	28	5	
79	9700	0.1	8	5	
80	9750	0.1	30	5	
81	9800	0.1	34	5	
82	9850	0.2	40	5	
83	9900	0.1	24	10	
84	9950	0.1	50	10	
85	10000	0.1	10	5	
86	10050	0.1	12	5	
87	10100	0.1	10	5	
88	10200	0.1	32	5	
89	10250	0.1	24	5	
90	10300	0.1	22	5	
91	10350	0.1	1	5	
92	10400	0.1	86	5	
93	10500	0.2	24	10	
94	10550	0.1	20	5	
95	10600	0.1	36	10	
96	10700	0.1	1	5	
97	10850	0.1	22	30	
98	11000	0.1	90	135	
99	11050	0.3	50	5	
100	CHECK NL-6	1.0	80	5	
101	11100	0.3	130	5	
102	11150	0.1	150	5	
103	11250	0.1	180	5	
104	11300	0.2	150	5	
105	11400	0.2	110	5	
106	11500	0.1	20	5	
107	11550	0.1	190	20	
108	11600	0.3	140	10	
109	11650	0.2	62	5	
110	11700	0.6	20	5	
111	11800	0.1	2	5	
112	11850	0.1	30	10	
113	11900	0.1	92	5	
114	11950	0.1	14	5	
115	10200N-12000E	0.1	30	10	
116	10400N-9000E	0.1	28	5	
117	9050	0.1	30	5	
118	9100	0.1	12	5	
119	9150	0.1	16	60	
120	9200	0.1	18	10	
121	9250	0.1	24	5	
122	9300	0.2	26	20	
123	9350	0.4	38	5	
124	9400	0.3	40	15	
125	9450	0.2	26	15	
126	9500	0.1	26	5	
127	9550	0.1	10	30	
128	9600	0.1	4	10	
129	10400N-9650E	0.2	24	10	

T. No.	SAMPLE No.	PPB			8907-05 Pg. 6 of 7
		Ag	As	Au	
130	10400N-9700E	0.1	20	10	
131	9750	0.1	6	5	
132	9800	0.1	10	25	
133	9850	0.1	12	10	
134	9900	0.1	28	330	
135	9950	0.2	16	5	
136	10000	0.1	8	5	
137	10050	0.2	240	115	
138	10150	0.2	48	15	
139	10200	0.1	86	260	
140	10250	0.2	94	15	
141	10300	0.3	150	15	
142	10350	0.2	78	205	
143	10400	0.2	92	5	
144	10450	0.2	56	5	
145	10500	0.2	46	5	
146	10550	0.2	16	5	
147	10600	0.2	60	5	
148	10650	0.2	22	5	
149	10700	0.2	46	5	
2	10750	0.2	6	5	
3	10800	0.2	14	5	
4	10850	0.2	28	5	
	10900	0.2	10	5	
6	10950	0.2	12	5	
7	10400N-11000E	0.1	10	5	
8	10600N-9000E	0.2	38	55	
9	9050	0.3	80	15	
10	9100	0.6	60	5	
11	9150	0.3	26	5	
12	9200	0.1	20	100	
13	9250	0.2	54	45	
14	9300	0.2	24	5	
15	9350	0.2	18	5	
16	9400	0.2	22	40	
17	9450	0.1	8	5	
18	9500	0.2	8	50	
19	9550	0.3	16	5	
20	9600	0.2	4	5	
21	9650	0.2	10	5	
22	9700	0.2	18	5	
23	9750	0.2	10	10	
24	9800	0.2	20	5	
25	9850	0.3	42	10	
26	9900	0.1	2	5	
27	9950	0.2	4	150	
28	10000	0.1	1	5	
29	10050	0.3	4	5	
30	10100	0.2	6	5	
3	10200	0.2	170	5	
32	10250	0.3	430	20	
33	10300	0.3	340	20	
34	10350	0.4	290	10	
35	10400	0.3	180	5	
36	10450	0.3	210	15	
37	10500	0.4	220	5	
38	10600N-10550E	0.3	330	5	

08/24/89

15:02

NORANDA VANCOUVER

006

T. No.	SAMPLE No.			PPB	8907-050 Pg. 7 of 7
		Ag	As	Au	
39	10600N-10600E	0.2	180	5	
40	10650	0.2	104	5	
41	10700	0.3	106	5	
42	10750	0.3	92	5	
43	10800	0.4	160	5	
44	10850	0.4	210	5	
45	10900	0.3	50	5	
46	10950	0.3	82	5	
47	10600N-11000E	0.2	86	5	
48	10800N-9000E	0.3	8	5	
49	9050	0.4	230	10	
50	9100	0.1	28	5	
51	9150	0.2	26	5	
52	9200	0.1	14	5	
53	9250	0.1	10	5	
54	9300	0.1	140	10	
55	9350	0.1	68	5	
56	9400	0.1	28	70	
57	9450	0.1	18	5	
58	9500	0.1	46	5	
59	9550	0.2	12	15	
60	9600	0.2	20	5	
61	9650	0.3	16	5	
62	9700	0.4	32	5	
63	9750	0.1	30	5	
64	9800	0.6	48	5	
65	9850	0.2	56	5	
66	9900	0.2	40	5	
67	9950	0.8	240	5	
68	10000	0.3	160	5	
69	10050	0.5	670	10	
70	10100	0.1	310	75	
71	10150	0.1	14	5	
72	10200	0.2	26	5	
73	10250	5.3	3600	1250	
74	10300	0.2	86	5	
75	10350	0.4	280	5	
76	10400	0.2	56	5	
77	10450	0.2	68	5	
78	10500	0.4	210	10	
79	10550	0.2	170	5	
80	10600	0.3	140	5	
81	10650	0.3	68	5	
82	10700	0.3	70	5	
83	10750	0.3	74	5	
84	10800	0.1	24	5	
85	10850	0.2	92	5	
86	10900	0.2	100	5	
	10950	0.2	60	80	
88	10800N-11000E	0.3	58	5	

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: KILLER AU.

CODE : 8507-056

Project No. : 322

Sheet: 1 of 7

Date rec'd: JUL 18

Material : 352 SOILS

Geol.: K.G.

Date compl: AUG 08

Remarks :

Values in PPM, except where noted.

T. No.	SAMPLE No.	PPB		
		Ag	As	Au
89	8000N-9000E	0.4	58	5
90	9050	0.1	90	5
91	9100	0.2	70	5
92	9150	0.3	230	20
93	9200	0.3	210	5
94	9250	0.2	180	5
95	9300	0.3	250	5
96	9350	0.3	20	5
97	9400	0.3	28	5
98	9450	0.3	24	5
99	9500	0.4	64	5
00	~~CHECK NL 6~~	~~1.0~~	~~84~~	~~5~~
01	9550	0.1	60	20
02	9650	0.4	32	5
03	9700	0.3	200	5
04	9750	0.2	150	10
05	9800	0.2	34	10
06	9850	0.2	38	10
07	9900	0.1	30	10
08	8000N-9950E	0.1	30	5
09	8200N-9000E	0.6	1210	5
10	9050	0.3	290	5
11	9100	0.3	510	5
12	9150	0.4	340	5
13	9200	0.6	250	5
14	9250	0.9	260	10
15	9300	0.1	430	5
16	9350	0.3	76	5
17	9400	0.2	380	5
18	9450	0.1	170	5
19	9500	0.2	72	5
20	9550	0.2	78	5
21	9600	0.3	84	5
22	9650	0.2	48	5
23	9700	0.3	30	5
24	9750	0.2	88	5
25	9800	0.2	80	5
26	9850	0.1	82	30
27	9900	0.2	60	15
28	9950	0.1	56	25
29	10000	0.3	110	10
30	10050	0.4	180	5
31	10100	0.2	96	5
32	10150	0.3	200	20
33	10200	0.1	250	5
34	10250	0.2	36	5
35	10300	0.2	96	5
36	8200N-10350E	0.2	44	10

wh. AP

T.
.SAMPLE
No.

Ag

As

PPB
Au8907-056
Pg. 2 of 7

7	8200N-10400E	0.9	640	25
8	10450	0.2	80	10
9	10500	0.3	34	5
0	10550	0.1	70	15
1	8200N-10600E	0.3	250	5
2	8400N-9000E	0.3	650	5
3	9050	0.2	200	20
4	9100	0.3	970	10
5	9150	1.0	2300	40
6	9200	0.2	270	5
7	9250	0.3	470	10
8	9300	0.2	460	5
9	9350	0.2	200	5
2	9400	0.1	162	10
3	9450	0.2	140	5
4	9500	0.2	60	5
5	9550	0.5	620	5
6	9600	0.3	280	5
7	9650	0.2	126	5
8	9700	0.4	162	5
9	9750	0.1	510	5
0	9800	0.3	122	5
1	9850	0.3	350	5
2	9900	0.2	92	5
3	9950	0.1	62	5
4	10000	0.3	216	5
5	10050	0.2	58	5
6	10100	0.2	98	5
7	10200	0.4	540	5
8	10250	0.3	830	5
9	10300	0.3	230	5
0	10350	1.2	620	10
1	10450	0.7	570	10
2	10550	0.6	560	15
3	10600	0.2	88	5
4	10650	0.2	72	5
5	10700	0.2	166	5
6	10750	0.1	224	5
7	10850	0.2	34	5
8	10900	0.1	162	5
9	10950	0.2	320	5
0	11050	0.2	70	5
1	8400N-11100E	0.2	82	10
2	8600N-9000E	0.3	140	5
3	9050	0.2	280	5
4	9100	0.3	540	535
5	9150	0.2	450	110
6	9200	0.4	1200	30
7	9250	0.3	720	5
8	9300	0.4	162	5
9	9350	0.3	230	25
0	9400	0.3	134	5
1	9450	0.3	94	5
2	9500	0.2	172	5
3	9550	0.2	100	5
4	9600	0.3	350	5
5	8600N-9650E	0.3	102	5

. T.
C.

SAMPLE
No.

Ag

As

PPE
Au

8907-056
Pg. 3 of 7

46	8600N-9700E	0.1	228	15
47	9750	0.2	96	5
48	9800	0.1	104	5
49	9850	0.1	80	5
50	9900	0.1	220	5
51	9950	0.1	114	5
52	10000	0.1	126	5
53	10050	0.2	70	5
54	10100	0.1	56	5
55	10150	0.2	90	5
56	10200	0.1	72	5
57	10250	0.1	280	5
58	10300	0.2	200	5
59	10350	0.1	192	5
60	10400	0.1	24	5
61	10450	0.2	320	5
62	10500	0.2	46	5
63	10550	0.2	188	5
64	10600	0.1	156	5
65	10650	0.1	72	5
66	10700	0.1	38	5
67	10750	0.2	168	5
68	10800	0.1	220	5
69	10850	0.2	340	5
70	10900	0.2	320	5
71	10950	0.1	92	5
72	11000	0.1	60	20
73	11050	0.1	24	5
74	11100	0.1	28	5
75	11150	0.1	24	5
76	11200	0.3	4	5
77	11250	0.1	22	5
78	11300	0.1	20	5
79	11350	0.1	12	5
80	11400	0.1	52	5
81	11450	0.1	42	5
82	11500	0.1	66	5
83	11550	0.3	166	5
84	11650	0.2	76	5
85	11700	0.1	64	5
86	11750	0.2	140	5
87	11800	0.1	78	5
88	11850	0.1	134	5
89	11900	0.3	10	5
90	11950	0.5	176	5
91	8600N-12000E	0.2	20	5
92	8800N-9000E	0.2	126	5
93	9050	0.2	152	5
94	9100	0.1	240	5
95	9150	0.2	146	5
96	9200	0.2	124	5
97	9250	0.1	140	5
98	9300	0.1	142	5
99	9350	0.1	280	5
100	CHECK NL-5	1.0	84	
101	9400	0.2	360	10
102	8800N-9450E	0.3	170	10

L.T.
C.

SAMPLE
No.

Ag

As

PPB
Au

8907-056
Pg. 4 of 7

03	8800N-9500E	0.2	192	30
04	9550	0.2	164	20
05	9600	0.2	140	5
06	9650	0.4	68	5
07	9700	0.2	260	10
08	9750	0.3	204	15
09	9800	0.2	244	10
10	9850	0.1	74	15
11	9900	0.1	270	15
12	9950	0.1	106	5
13	10000	0.1	130	15
14	10050	0.2	100	5
15	10100	0.2	136	10
16	10150	0.1	252	15
17	10200	0.1	64	5
18	10250	0.1	26	5
19	10300	0.1	88	5
20	10350	0.1	30	5
21	10400	0.2	48	5
22	10450	0.2	520	5
23	10500	0.2	66	5
24	10550	0.2	140	10
25	10600	0.2	30	5
26	10650	0.1	30	5
27	10750	0.1	170	5
28	10800	0.1	240	5
29	11000	0.1	98	5
30	11050	0.1	600	10
31	11100	0.6	700	10
32	11150	0.3	830	15
33	11200	0.1	28	10
34	11250	0.1	38	5
35	11300	0.1	84	5
36	11350	0.1	34	5
37	11400	0.1	54	5
38	11450	0.1	24	5
39	11500	0.1	88	5
40	11550	0.1	32	5
41	11750	0.1	60	5
42	11800	0.1	70	5
43	11850	0.1	74	5
44	11900	0.1	130	5
45	11950	0.6	94	15
46	8800N-12000E	0.1	22	5
47	9000N-9000E	0.1	140	10
48	9050	0.1	72	5
49	9100	0.1	132	5
50	9150	0.1	48	10
51	9200	0.4	124	40
52	9250	0.6	68	5
53	9300	0.2	64	5
54	9350	0.3	50	5
55	9400	0.1	162	5
56	9450	0.4	172	5
57	9500	0.1	94	5
58	9550	0.1	42	5
59	9000N-9600E	0.1	30	5

L.T.
No.

SAMPLE
No.

Ag

As

ppb
Au

8907-056
Pg. 5 of 7

12	9000N-9650E	0.1	104	10
13	9700	0.2	180	10
14	9750	0.2	218	5
15	9800	0.2	200	15
16	9850	0.2	158	45
17	9900	0.2	168	5
18	9950	0.4	110	5
19	10000	0.3	140	5
20	10050	0.2	30	5
21	10100	0.3	134	5
22	10150	0.2	198	5
23	10200	0.1	70	5
24	10250	0.2	28	5
25	10300	0.1	84	10
26	10350	0.2	24	5
27	10400	0.1	22	5
28	10450	0.2	22	5
29	10500	0.1	24	5
30	10600	0.2	26	5
31	10650	0.1	112	5
32	10700	0.3	96	5
33	10750	0.2	28	5
34	10800	0.1	44	5
35	10850	0.2	150	5
36	10950	0.6	980	15
37	11000	0.7	1100	20
38	11050	0.2	270	5
39	11100	1.0	1700	30
40	11150	0.2	212	5
41	11200	0.6	800	5
42	11250	0.1	6	5
43	11300	0.2	680	5
44	11350	1.1	660	5
45	11400	0.6	960	15
46	11450	0.1	30	5
47	11500	0.2	168	5
48	11550	0.1	114	5
49	11600	0.1	40	5
50	11650	0.1	26	5
51	11700	1.2	750	5
52	11750	0.8	146	5
53	11800	0.2	66	5
54	9000N-11850E	0.1	64	5
55	9200N-11050E	0.6	980	10
56	11100	0.1	184	5
57	11200	0.1	130	5
58	11250	0.4	740	20
59	11300	0.4	630	15
60	11350	0.2	92	5
61	11400	0.4	840	20
62	11450	0.4	286	5
63	11500	0.3	390	15
64	11550	0.2	216	10
65	11600	0.2	132	5
66	11650	0.1	310	5
67	11750	0.6	570	10
68	9200N-11800E	0.3	18	5

T.
1.SAMPLE
No.

Ag

As

PPB
Au8907-056
Pg. 6 of 7

9	9200N-11850E	0.1	20	5
0	11900	0.1	72	5
1	11950	0.1	64	5
2	9200N-12000E	0.1	124	5
3	9400N-11050E	0.3	320	5
4	11100	0.2	930	5
5	11150	0.3	460	5
6	11200	0.3	1050	15
7	11250	0.4	250	5
8	11300	0.2	104	5
9	11350	0.2	40	5
0	11400	0.1	46	5
1	11450	0.3	200	5
2	11500	0.2	88	5
3	11550	0.4	550	5
4	11600	0.5	160	5
5	11650	0.4	200	5
6	11700	0.2	510	5
7	11750	0.8	1130	20
8	11800	1.0	42	45
9	11850	0.8	710	30
0	11900	0.2	66	5
1	11950	0.3	22	5
2	9400N-12000E	0.6	380	10
3	9600N-11050E	0.3	230	5
4	11100	0.8	1000	10
5	11150	0.2	226	5
6	11200	0.3	340	20
7	11250	0.2	140	5
8	11300	0.2	160	5
9	11350	0.2	216	5
0	CHECK NL 6	1.0	84	
1	11400	0.1	132	5
2	11600	0.2	34	5
3	11650	0.2	54	5
4	11700	0.5	960	15
5	11750	0.3	580	15
6	11800	0.1	100	5
7	11850	0.3	112	10
8	11900	0.4	110	5
9	11950	0.4	78	5
0	9600N-12000E	0.5	276	5
1	9800N-11050E	1.7	1200	90
2	11100	0.8	1000	85
3	11150	1.1	700	35
4	11200	0.8	550	55
5	11250	0.3	212	20
6	11300	1.0	1500	55
7	11350	0.8	700	20
8	11400	0.3	370	10
9	11500	0.6	970	20
0	11550	0.4	1600	25
1	11600	0.2	144	5
2	11650	0.2	90	5
3	11750	0.3	52	5
4	11800	0.1	20	5
5	9800N-11850E	0.3	280	5

T. No.	SAMPLE No.	PPB			8907-056 Pg. 7 of 7
		Ag	As	Au	
26	9800N-11900E	0.2	116	5	
27	11950	0.5	290	5	
28	9800N-12000E	0.6	70	5	
29	10000N-11050E	2.8	1600	130	
30	11100	1.0	1120	90	
31	11150	0.5	240	50	
32	11250	0.1	192	5	
33	11300	0.6	206	40	
34	11350	0.5	136	10	
35	11400	0.5	158	15	
36	11450	0.3	168	5	
37	11500	0.3	350	5	
38	11550	0.2	310	35	
39	11600	0.1	158	10	
40	11650	0.6	1530	10	
41	11700	0.6	640	10	
42	11750	0.4	240	5	
43	11800	0.2	238	5	
44	11850	0.2	32	5	
45	11900	0.1	50	5	
46	11950	0.4	134	5	
47	10000N-12000E	0.3	40	5	

NORANDA VANCOUVER LABORATORY

LOCATION: KILLER AU

CODE : 8907-082

Sample No. : 322
 Serial : 402 SOILS
 Remarks :

Sheet: 1 of 8
 Geol.: K.G.

Date rec'd: JUL21
 Date compl: AUG17

Values in PPM, except where noted.

T.	SAMPLE No.	Ag As		PPB Au
		Ag	As	Au
2	7000N-9500E	0.3	86	15
3	9550	0.2	130	5
4	9600	0.2	134	5
5	9650	0.5	68	5
6	9700	0.1	78	5
7	9750	0.2	96	5
8	9800	0.1	50	5
9	9850	0.1	218	5
0	9900	0.2	450	30
1	9950	0.1	290	5
2	10000	0.1	16	5
3	10050	0.4	20	5
4	10100	0.1	16	5
5	10150	0.4	42	5
6	10200	0.3	20	5
7	10250	0.3	4	5
8	10300	0.3	96	5
9	10350	0.2	50	5
0	10400	0.2	32	5
1	10450	0.5	58	5
2	10500	0.3	14	5
3	10550	0.3	2	5
4	10600	0.4	68	5
5	10650	0.5	74	5
6	10700	0.2	46	5
7	10750	0.2	16	5
8	10800	0.1	14	5
9	10850	0.7	90	5
0	10900	0.6	212	5
1	10950	0.2	34	5
2	11000	0.2	58	5
3	11050	0.3	52	25
4	11100	0.3	96	5
5	11150	0.4	46	10
6	11200	0.3	56	5
7	11250	0.6	186	5
8	11300	0.8	152	5
9	11350	3.0	200	5
0	11400	0.3	86	5
1	11450	0.6	270	5
2	11500	0.6	224	5
3	11550	0.2	120	5
4	11600	0.2	108	5
5	11650	0.2	58	5
6	11700	0.3	80	5
7	11750	0.2	50	5
8	11800	0.5	72	5
9	7000N-11850E	0.3	70	5

T.
No.SAMPLE
No.

Ag

As

PPB
Au8907-082
Pg. 2 of 8

00	7000N-11900E	0.3	58	5
01	11950	0.4	76	5
02	7000N-12000E	0.3	62	5
03	7200N-9500E	0.4	310	5
04	9550	0.4	168	5
05	9600	0.3	94	5
06	9650	0.3	46	5
07	9700	0.6	146	5
08	9750	0.2	180	5
09	9800	0.3	350	55
10	9850	0.3	44	5
11	9900	0.4	128	5
12	9950	0.4	256	5
13	10000	0.4	232	5
14	10050	0.6	88	5
15	10100	0.4	140	5
16	10150	0.2	148	5
17	10200	0.2	58	5
18	10250	0.4	62	5
19	10300	0.4	236	5
20	10350	0.2	42	5
21	10400	0.3	54	5
22	10450	0.3	24	5
23	10500	0.4	24	5
24	10550	0.5	110	5
25	10600	0.3	136	30
26	10650	0.3	42	5
27	10700	0.5	30	10
28	10750	0.2	56	5
29	10800	0.6	52	5
30	10850	0.2	52	5
31	10900	0.2	28	5
32	10950	0.2	34	5
33	11000	0.2	148	5
34	11050	0.3	130	5
35	11100	0.1	114	5
36	11150	0.2	190	5
37	11200	0.2	142	5
38	11250	0.5	116	5
39	11300	0.2	194	5
40	11350	0.9	154	10
41	11400	0.3	90	5
42	11450	0.6	154	5
43	11500	0.3	162	10
44	11550	0.3	60	5
45	11600	0.2	120	10
46	11650	0.4	40	5
47	11700	0.2	68	5
48	11750	0.3	56	5
49	11800	0.4	40	5
50	CHECK NL-6	1.0	80	5
51	11850	0.3	80	5
52	11900	0.2	96	5
53	11950	0.2	62	5
54	7200N-12000E	0.2	126	5
55	7400N-9500E	0.3	38	5
56	7400N-9550E	0.4	142	5

T.
No.SAMPLE
No.

Ag

As

PPB
Au8907-082
Pg. 3 of 8

7400N-9600E	0.3	46	5
9650	0.3	60	5
9700	0.3	360	35
9750	0.3	200	10
9800	0.4	220	5
9850	0.4	46	10
9900	0.4	580	5
9950	0.3	94	5
10000	0.4	112	5
10050	0.2	16	5
10100	0.1	12	5
10150	0.2	74	15
10200	0.2	48	15
10250	0.2	34	5
10300	0.2	54	10
10350	0.2	70	50
10400	0.2	46	5
10450	0.4	154	5
10500	0.3	54	5
10550	0.4	16	25
10600	0.5	68	15
10650	0.2	32	5
10700	0.3	130	5
10750	0.2	44	15
10800	0.3	28	5
10850	0.4	88	5
10900	0.5	56	5
10950	0.6	124	10
11000	0.3	48	110
11050	0.7	96	5
11100	0.7	84	5
11150	0.5	114	10
11200	0.4	130	5
11250	0.6	122	10
11300	0.5	100	5
11350	0.4	106	5
11400	0.7	118	5
11450	0.4	96	5
11500	0.3	110	5
11550	0.3	84	5
11600	0.3	82	5
11650	0.4	96	5
11700	0.3	62	5
11750	0.4	84	5
11800	0.3	56	5
11850	0.4	52	5
11900	0.2	44	5
11950	0.2	46	5
7400N-12000E	0.2	48	5
7600N-9500E	0.1	30	5
9550	0.2	60	5
9600	0.1	62	40
9650	0.2	92	55
9700	0.3	78	5
9750	0.3	110	5
9800	0.2	98	5
7600N-9900E	0.4	202	5

SAMPLE
No.

Ag

As

PPB
Au

8907-082
Pg. 4 of 8

16	7600N-9950E	0.5	170	5
17	10000	0.5	240	5
18	10050	0.5	112	5
19	10100	0.4	108	5
20	10150	0.3	44	5
21	10200	0.3	30	5
22	10650	0.3	22	5
23	10700	0.2	48	10
24	10750	0.3	84	35
25	10800	0.6	100	5
26	10950	0.6	132	5
27	11000	0.3	54	5
28	11050	0.5	110	5
29	11100	0.5	94	10
30	11150	0.4	140	75
31	11200	0.1	92	15
32	11250	0.1	90	5
33	11300	0.1	70	5
34	11350	0.1	72	5
35	11400	0.4	62	5
36	11450	0.6	90	5
37	11500	0.4	150	5
38	11550	0.3	86	5
39	11600	0.3	146	5
40	11650	0.5	38	5
41	11700	0.3	70	5
42	11750	0.3	108	10
43	11800	0.3	120	5
44	11850	0.2	112	5
45	11900	0.4	38	5
46	11950	0.1	56	5
47	7600N-12000E	0.2	20	5
48	7800N-9500E	0.4	430	10
49	9550	0.3	42	5
50	9600	0.1	72	5
51	9650	0.2	108	5
52	9700	0.4	116	5
53	9750	0.1	36	60
54	9800	0.2	72	5
55	9850	0.4	32	5
56	9900	0.4	38	50
57	9950	0.8	140	5
58	10000	0.4	68	10
59	10150	0.4	670	15
60	10200	0.5	130	10
61	10250	0.2	56	5
62	10300	0.5	34	5
63	10350	0.2	82	5
64	10400	0.3	20	5
65	10450	0.3	86	5
66	10500	0.2	72	5
67	10550	0.3	160	30
68	10600	0.3	92	5
69	10650	0.3	50	5
70	10700	0.4	50	5
71	10750	0.5	42	10
72	7800N-10800E	0.4	64	5

SAMPLE
No.

Ag

As

ppb
Au

8907-082
Pg. 5 of 8

7800N-10850E	0.5	16	10
10900	0.2	40	5
11000	0.3	44	5
11050	0.3	26	5
11100	0.2	22	5
11150	0.4	20	5
11200	0.4	62	5
11250	0.5	96	5
11300	0.4	64	5
11350	0.4	62	5
11400	0.5	40	5
11450	0.4	52	5
11500	0.4	94	5
11550	0.2	84	5
11600	0.2	96	5
11650	0.4	24	5
11700	0.3	102	5
11750	0.3	280	10
11800	0.1	112	5
11850	0.1	150	5
11900	0.1	120	5
7800N-11950E	0.1	100	10
8000N-11050E	0.6	242	5
11100	0.1	710	5
11150	0.7	500	5
11200	0.2	52	5
11250	0.4	136	5
CHECK NL-6	1.0	86	
11300	0.3	84	5
11350	0.6	102	5
11400	0.3	106	5
11450	0.3	58	5
11500	0.2	40	5
11550	0.2	126	5
11600	0.1	14	5
11650	0.4	156	5
11700	0.1	118	10
11750	0.2	112	5
11850	0.1	220	5
11900	0.1	98	5
8000N-11950E	0.1	108	5
8200N-11200E	0.2	42	5
11250	0.3	64	5
11300	0.4	320	5
11350	0.2	104	5
11400	0.1	112	5
11450	0.1	88	5
11500	0.7	116	5
11550	0.6	92	5
11600	0.2	74	5
11650	0.5	20	5
11700	0.3	116	5
11750	0.3	172	5
11850	0.2	48	5
11900	0.5	6	5
11950	0.2	38	5
8200N-12000E	0.4	42	5

SAMPLE
No.

Ag

As

PPB
Au

8907-082
Pg. 6 of 8

80	8400N-11350E	0.2	30	5
81	11400	0.5	94	5
82	11450	0.4	46	5
83	11500	0.4	20	5
84	11550	0.4	112	5
85	11600	0.6	138	5
86	11650	0.3	300	5
87	11700	0.7	340	10
88	11750	0.2	66	5
89	11800	0.3	4	5
90	11850	0.2	70	5
91	11900	0.2	46	5
92	8400N-12000E	0.4	36	40
93	11000N-9000E	0.2	12	5
94	9050	0.2	2	10
95	9100	0.3	12	30
96	9150	0.4	9	40
97	9200	0.4	1	5
98	9250	0.6	16	5
99	9300	0.4	1	5
100	9350	0.3	22	5
101	9400	0.2	20	5
102	9450	0.1	18	5
103	9500	0.2	24	5
104	9550	0.3	36	5
105	9600	0.3	20	5
106	9650	0.2	24	5
107	9700	0.3	30	5
108	9750	0.3	46	5
109	9800	0.4	32	50
110	9850	0.3	50	5
111	9900	0.4	46	5
112	9950	0.3	78	5
113	10000	0.5	32	5
114	10050	0.2	12	40
115	10200	0.2	64	5
116	10250	0.1	10	5
117	10400	0.2	38	5
118	10500	0.1	60	10
119	10550	0.2	84	5
120	10600	0.1	68	5
121	10650	0.2	46	5
122	10700	0.1	36	5
123	10750	0.2	68	10
124	10800	0.1	16	5
125	10850	0.1	8	5
126	10900	0.2	32	5
127	10950	0.1	18	5
128	11000N-11000E	0.2	30	5
129	11200N-9000E	0.3	122	20
130	9050	0.2	118	5
131	9100	0.2	400	20
132	9150	0.2	32	10
133	9200	0.2	76	10
134	9250	0.2	14	5
135	9300	0.2	18	5
136	11200N-9350E	0.2	24	5

SAMPLE
No.

Ag

As

PPB
Au

8907-082
Pg. 7 of 8

11200N-9400E	0.2	12	5
9450	0.2	20	20
9500	0.1	20	5
9550	0.1	22	10
9600	0.2	28	5
9650	0.1	24	5
9700	0.2	24	110
9750	0.2	2	5
9800	0.2	30	5
9850	0.1	30	20
9900	0.1	18	5
9950	0.2	22	5
10000	0.3	16	5
10050	0.1	16	100
10100	0.1	14	5
10150	0.1	6	5
10200	0.2	24	5
10250	0.2	20	5
10350	0.2	12	5
10400	0.2	94	10
10450	0.3	102	10
10550	0.4	70	5
10600	0.3	56	5
10700	0.3	20	5
10750	0.3	28	5
10800	0.3	16	5
10850	0.2	22	5
10900	0.2	14	5
10950	0.2	8	5
11200N-11000E	0.2	4	5
11400N-9000E	0.2	88	5
9050	0.3	146	10
9100	0.4	580	20
9150	0.3	170	30
9200	0.3	114	10
9250	0.1	42	5
9300	0.2	54	5
9350	0.3	4	5
9400	0.2	6	5
9450	0.2	30	5
9500	0.3	30	20
9550	0.2	24	5
9600	0.2	34	15
9650	0.3	42	5
9700	0.2	4	5
9750	0.5	28	10
9800	0.3	14	30
9850	0.4	26	20
9900	0.3	20	20
9950	0.4	24	10
10000	0.2	18	5
10050	0.2	16	5
10100	0.2	24	5
10150	1.1	1040	30
10200	0.3	26	15
10250	0.6	144	55
11400N-10300E	0.4	48	20

SAMPLE
No.

Ag

As

PPB
Au

8907-082
Pg. 8 of 8

6	11400N-10350E	0.3	44	5
7	10400	0.4	186 ✓	5
8	10450	0.4	108 ✓	5
9	10500	0.4	166 ✓	5
0	~~CHECK NL=6~~	~~1.0~~	~~88~~	
1	10550	0.5	830	25
2	10600	0.3	120 ✓	15
3	10650	0.2	52	250
4	10700	0.4	150 ✓	5
5	10750	0.5	84	5
6	10800	0.5	58	15
7	10850	0.2	16	15
8	10900	0.2	6	5
9	11400N-10950E	0.2	10	10

Killer Au (HG)

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: AUG 22 1989

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158

FAX(604)253-1716

DATE REPORT MAILED:

Aug. 26/89..

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: SOIL PULP

HG ANALYSIS BY FLAMELESS AA.

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

NORANDA EXPLORATION CO. LTD. PROJECT 8907-050 322 FILE # 89-3118 Page 1

SAMPLE#	HG ppb
117153	30
117154	40
8000N 10000E	30
8000N 10050E	80
8000N 10150E	140
8000N 10200E	60
8000N 10250E	80
8000N 10300E	50
8000N 10350E	20
8000N 10400E	30
8000N 10450E	60
9200N 9000E	50
9200N 9050E	30
9200N 9100E	40
9200N 9150E	90
9200N 9200E	40
9200N 9250E	30
9200N 9300E	50
9200N 9350E	60
9200N 9400E	60
9200N 9450E	70
9200N 9500E	30
9200N 9550E	40
9200N 9600E	30
9200N 9650E	40
9200N 9700E	40
9200N 9750E	30
9200N 9800E	40
9200N 9850E	20
9200N 9900E	30
9200N 9950E	40
9200N 10000E	60
9200N 10050E	50
9200N 10100E	30
9200N 10150E	40
9200N 10200E	20
9200N 10250E	30

SAMPLE#	HG ppb
9200N 10300E	40
9200N 10350E	20
9200N 10400E	20
9200N 10450E	40
9200N 10650E	30
9200N 10700E	20
9200N 10750E	40
9200N 10800E	30
9200N 10850E	30
9200N 10900E	40
9200N 10950E	50
9200N 11000E	20
9400N 9000E	40
9400N 9050E	30
9400N 9100E	50
9400N 9150E	50
9400N 9200E	20
9400N 9250E	30
9400N 9300E	40
9400N 9350E	30
9400N 9400E	50
9400N 9450E	60
9400N 9500E	90
9400N 9550E	100
9400N 9600E	70
9400N 9650E	40
9400N 9700E	30
9400N 9750E	60
9400N 9800E	40
9400N 9850E	30
9400N 9900E	20
9400N 9950E	60
9400N 10000E	40
9400N 10050E	30
9400N 10100E	20
9400N 10150E	30
9400N 10200E	30

SAMPLE#	HG ppb
9400N 10250E	60
9400N 10300E	30
9400N 10350E	40
9400N 10400E	20
9400N 10450E	20
9400N 10500E	30
9400N 10550E	60
9400N 10600E	30
9400N 10650E	40
9400N 10700E	50
9400N 10750E	40
9400N 10800E	140
9400N 10850E	60
9400N 10900E	30
9400N 10950E	100
9400N 11000E	10
9600N 9000E	30
9600N 9050E	10
9600N 9100E	30
9600N 9150E	30
9600N 9200E	20
9600N 9250E	40
9600N 9300E	40
9600N 9350E	40
9600N 9400E	30
9600N 9450E	50
9600N 9500E	30
9600N 9550E	30
9600N 9600E	20
9600N 9650E	50
9600N 9700E	40
9600N 9750E	20
9600N 9800E	40
9600N 9850E	30
9600N 9900E	70
9600N 9950E	50

SAMPLE#	HG ppb
9600N 10000E	20
9600N 10050E	30
9600N 10100E	40
9600N 10150E	30
9600N 10200E	10
9600N 10250E	40
9600N 10300E	20
9600N 10350E	30
9600N 10400E	20
9600N 10450E	30
9600N 10500E	40
9600N 10550E	20
9600N 10600E	70
9600N 10700E	20
9600N 10750E	90
9600N 10800E	70
9600N 10850E	50
9600N 10900E	20
9600N 10950E	60
9600N 11000E	50
9800N 9000E	40
9800N 9050E	10
9800N 9100E	30
9800N 9150E	40
9800N 9200E	30
9800N 9250E	40
9800N 9300E	40
9800N 9350E	20
9800N 9400E	30
9800N 9450E	30
9800N 9500E	40
9800N 9550E	20
9800N 9600E	30
9800N 9650E	30
9800N 9700E	50
9800N 9750E	40

SAMPLE#	HG ppb
9800N 9800E	30
9800N 9850E	40
9800N 9900E	30
9800N 9950E	50
9800N 10000E	30
9800N 10050E	50
9800N 10100E	30
9800N 10150E	20
9800N 10200E	50
9800N 10250E	40
9800N 10300E	50
9800N 10350E	40
9800N 10400E	50
9800N 10450E	40
9800N 10500E	20
9800N 10550E	60
9800N 10600E	10
9800N 10650E	90
9800N 10700E	70
9800N 10750E	80
9800N 10850E	30
9800N 10900E	20
9800N 10950E	40
9800N 11000E	80
10000N 9000E	50
10000N 9050E	60
10000N 9100E	30
10000N 9150E	40
10000N 9200E	50
10000N 9250E	20
10000N 9300E	30
10000N 9350E	40
10000N 9400E	60
10000N 9450E	30
10000N 9500E	40
10000N 9550E	70

SAMPLE#	HG ppb
10000N 9600E	30
10000N 9650E	20
10000N 9700E	30
10000N 9750E	20
10000N 9800E	20
10000N 9850E	10
10000N 9900E	40
10000N 9950E	30
10000N 10000E	20
10000N 10050E	30
10000N 10100E	40
10000N 10150E	30
10000N 10200E	40
10000N 10250E	50
10000N 10300E	40
10000N 10350E	20
10000N 10400E	50
10000N 10450E	40
10000N 10500E	30
10000N 10550E	60
10000N 10600E	40
10000N 10650E	60
10000N 10700E	110
10000N 10750E	20
10000N 10800E	60
10000N 10850E	80
10000N 10900E	60
10000N 10950E	50
10000N 11000E	40
10200N 9000E	60
10200N 9050E	20
10200N 9100E	20
10200N 9150E	40
10200N 9200E	70
10200N 9250E	60
10200N 9300E	50

SAMPLE#	HG ppb
10200N 9350E	60
10200N 9400E	10
10200N 9450E	30
10200N 9500E	40
10200N 9550E	20
10200N 9600E	60
10200N 9700E	20
10200N 9750E	10
10200N 9800E	20
10200N 9850E	30
10200N 9900E	40
10200N 9950E	30
10200N 10000E	20
10200N 10050E	30
10200N 10100E	20
10200N 10200E	30
10200N 10250E	20
10200N 10300E	10
10200N 10350E	20
10200N 10400E	30
10200N 10500E	40
10200N 10550E	30
10200N 10600E	30
10200N 10700E	20
10200N 10850E	10
10200N 11000E	20
10200N 11050E	60
10200N 11100E	30
10200N 11150E	50
10200N 11250E	20
10200N 11300E	30
10200N 11400E	80
10200N 11500E	90
10200N 11550E	30
10200N 11600E	50

SAMPLE#	HG ppb
10200N 11650E	80
10200N 11700E	90
10200N 11800E	30
10200N 11850E	30
10200N 11900E	20
10200N 11950E	40
10200N 12000E	10
10400N 9000E	20
10400N 9050E	30
10400N 9100E	20
10400N 9150E	40
10400N 9200E	30
10400N 9250E	20
10400N 9300E	30
10400N 9350E	50
10400N 9400E	30
10400N 9450E	20
10400N 9500E	30
10400N 9550E	40
10400N 9600E	20
10400N 9650E	40
10400N 9700E	20
10400N 9750E	10
10400N 9800E	20
10400N 9850E	30
10400N 9900E	20
10400N 9950E	20
10400N 10000E	40
10400N 10050E	20
10400N 10150E	50
10400N 10200E	20
10400N 10250E	40
10400N 10300E	30
10400N 10350E	20
10400N 10400E	50
10400N 10450E	50

SAMPLE#	HG ppb
10400N 10500E	40
10400N 10550E	40
10400N 10600E	30
10400N 10650E	20
10400N 10700E	30
10400N 10750E	20
10400N 10800E	20
10400N 10850E	40
10400N 10900E	30
10400N 10950E	60
10400N 11000E	40
10600N 9000E	20
10600N 9050E	30
10600N 9100E	40
10600N 9150E	30
10600N 9200E	20
10600N 9250E	20
10600N 9300E	30
10600N 9350E	40
10600N 9400E	40
10600N 9450E	30
10600N 9500E	30
10600N 9550E	20
10600N 9600E	30
10600N 9650E	50
10600N 9700E	20
10600N 9750E	30
10600N 9800E	40
10600N 9850E	20
10600N 9900E	30
10600N 9950E	20
10600N 10000E	20
10600N 10050E	10
10600N 10100E	20
10600N 10200E	20
10600N 10250E	30

SAMPLE#	HG ppb
10600N 10300E	20
10600N 10350E	50
10600N 10400E	30
10600N 10450E	20
10600N 10500E	20
10600N 10550E	30
10600N 10600E	40
10600N 10650E	20
10600N 10700E	30
10600N 10750E	40
10600N 10800E	20
10600N 10850E	40
10600N 10900E	10
10600N 10950E	30
10600N 11000E	20
10800N 9000E	40
10800N 9050E	60
10800N 9100E	20
10800N 9150E	60
10800N 9200E	20
10800N 9250E	40
10800N 9300E	20
10800N 9350E	20
10800N 9400E	10
10800N 9450E	20
10800N 9500E	60
10800N 9550E	20
10800N 9600E	40
10800N 9650E	50
10800N 9700E	60
10800N 9750E	30
10800N 9800E	20
10800N 9850E	30
10800N 9900E	10
10800N 9950E	60
10800N 10000E	20

SAMPLE#	HG ppb
10800N 10050E	40
10800N 10100E	10
10800N 10150E	40
10800N 10200E	20
10800N 10250E	30
10800N 10300E	20
10800N 10350E	20
10800N 10400E	70
10800N 10450E	20
10800N 10500E	30
10800N 10550E	30
10800N 10600E	40
10800N 10650E	80
10800N 10700E	40
10800N 10750E	70
10800N 10800E	30
10800N 10850E	10
10800N 10900E	30
10800N 10950E	20
10800N 11000E	30

Killer Au (kg)

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: AUG 25 1989

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED:

Aug. 29/89

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: SOIL PULP

HG ANALYSIS BY FLAMELESS AA.

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

NORANDA EXPLORATION CO. LTD. PROJECT 8907-056 322 FILE # 89-3216 Page 1

SAMPLE#	HG ppb
8000N 9000E	60
8000N 9050E	30
8000N 9100E	50
8000N 9150E	90
8000N 9200E	80
8000N 9250E	40
8000N 9300E	80
8000N 9350E	40
8000N 9400E	50
8000N 9450E	60
8000N 9500E	50
8000N 9550E	20
8000N 9650E	40
8000N 9700E	50
8000N 9750E	40
8000N 9800E	30
8000N 9850E	50
8000N 9900E	40
8000N 9950E	30
8200N 9000E	70
8200N 9050E	30
8200N 9100E	40
8200N 9150E	50
8200N 9200E	60
8200N 9250E	90
8200N 9300E	30
8200N 9350E	40
8200N 9400E	50
8200N 9450E	40
8200N 9500E	50
8200N 9550E	40
8200N 9600E	50
8200N 9650E	30
8200N 9700E	40
8200N 9750E	40

SAMPLE#	HG ppb
8200N 9800E	40
8200N 9850E	20
8200N 9900E	20
8200N 9950E	10
8200N 10000E	30
8200N 10050E	60
8200N 10100E	30
8200N 10150E	40
8200N 10200E	50
8200N 10250E	30
8200N 10300E	20
8200N 10350E	30
8200N 10400E	100
8200N 10450E	20
8200N 10500E	30
8200N 10550E	10
8200N 10600E	60
8400N 9000E	40
8400N 9050E	20
8400N 9100E	30
8400N 9150E	40
8400N 9200E	20
8400N 9250E	30
8400N 9300E	30
8400N 9350E	20
8400N 9400E	30
8400N 9450E	30
8400N 9500E	40
8400N 9550E	30
8400N 9600E	20
8400N 9650E	30
8400N 9700E	30
8400N 9750E	10
8400N 9800E	20
8400N 9850E	20
8400N 9900E	10

SAMPLE#	HG ppb
8400N 9950E	30
8400N 10000E	30
8400N 10050E	20
8400N 10100E	20
8400N 10200E	50
8400N 10250E	40
8400N 10300E	50
8400N 10350E	80
8400N 10450E	50
8400N 10550E	50
8400N 10600E	30
8400N 10650E	40
8400N 10700E	40
8400N 10750E	40
8400N 10850E	50
8400N 10900E	60
8400N 10950E	50
8400N 11050E	40
8400N 11100E	20
8600N 9000E	40
8600N 9050E	40
8600N 9100E	30
8600N 9150E	40
8600N 9200E	20
8600N 9250E	30
8600N 9300E	40
8600N 9350E	30
8600N 9400E	40
8600N 9450E	20
8600N 9500E	30
8600N 9550E	10
8600N 9600E	20
8600N 9650E	40
8600N 9700E	30
8600N 9750E	40
8600N 9800E	50

SAMPLE#	HG ppb
8600N 9850E	40
8600N 9900E	30
8600N 9950E	30
8600N 10000E	40
8600N 10050E	50
8600N 10100E	20
8600N 10150E	50
8600N 10200E	40
8600N 10250E	20
8600N 10300E	40
8600N 10350E	30
8600N 10400E	50
8600N 10450E	40
8600N 10500E	90
8600N 10550E	20
8600N 10600E	30
8600N 10650E	40
8600N 10700E	70
8600N 10750E	20
8600N 10800E	50
8600N 10850E	40
8600N 10900E	50
8600N 10950E	30
8600N 11000E	30
8600N 11050E	20
8600N 11100E	30
8600N 11150E	20
8600N 11200E	30
8600N 11250E	30
8600N 11300E	20
8600N 11350E	40
8600N 11400E	30
8600N 11450E	40
8600N 11500E	30
8600N 11550E	90

SAMPLE#	HG ppb
8600N 11650E	40
8600N 11700E	30
8600N 11750E	40
8600N 11800E	30
8600N 11850E	50
8600N 11900E	50
8600N 11950E	80
8600N 12000E	40
8800N 9000E	30
8800N 9050E	30
8800N 9100E	40
8800N 9150E	20
8800N 9200E	40
8800N 9250E	40
8800N 9300E	30
8800N 9350E	40
8800N 9400E	50
8800N 9450E	50
8800N 9500E	40
8800N 9550E	30
8800N 9600E	40
8800N 9650E	50
8800N 9700E	40
8800N 9750E	30
8800N 9800E	30
8800N 9850E	20
8800N 9900E	50
8800N 9950E	30
8800N 10000E	30
8800N 10050E	40
8800N 10100E	40
8800N 10150E	60
8800N 10200E	40
8800N 10250E	40
8800N 10300E	50
8800N 10350E	40

SAMPLE#	HG ppb
8800N 10400E	60
8800N 10450E	40
8800N 10500E	70
8800N 10550E	50
8800N 10600E	60
8800N 10650E	70
8800N 10750E	70
8800N 10800E	50
8800N 11000E	60
8800N 11050E	40
8800N 11100E	50
8800N 11150E	30
8800N 11200E	40
8800N 11250E	60
8800N 11300E	50
8800N 11350E	40
8800N 11400E	60
8800N 11450E	50
8800N 11500E	60
8800N 11550E	60
8800N 11750E	70
8800N 11800E	40
8800N 11850E	30
8800N 11900E	30
8800N 11950E	40
8800N 12000E	50
9000N 9000E	40
9000N 9050E	50
9000N 9100E	40
9000N 9150E	50
9000N 9200E	80
9000N 9250E	50
9000N 9300E	30
9000N 9350E	50
9000N 9400E	30
9000N 9450E	40

SAMPLE#	HG ppb
---------	-----------

9000N 9500E	40
9000N 9550E	90
9000N 9600E	60
9000N 9650E	40
9000N 9700E	50

9000N 9750E	60
9000N 9800E	50
9000N 9850E	50
9000N 9900E	40
9000N 9950E	60

9000N 10000E	40
9000N 10050E	50
9000N 10100E	60
9000N 10150E	50
9000N 10200E	40

9000N 10250E	90
9000N 10300E	60
9000N 10350E	60
9000N 10400E	80
9000N 10450E	50

9000N 10500E	40
9000N 10600E	60
9000N 10650E	50
9000N 10700E	110
9000N 10750E	50

9000N 10800E	70
9000N 10850E	50
9000N 10950E	70
9000N 11000E	80
9000N 11050E	50

9000N 11100E	60
9000N 11150E	40
9000N 11200E	60
9000N 11250E	50
9000N 11300E	40

SAMPLE#	HG ppb
9000N 11350E	70
9000N 11400E	80
9000N 11450E	60
9000N 11500E	60
9000N 11550E	50
9000N 11600E	40
9000N 11650E	50
9000N 11700E	80
9000N 11750E	90
9000N 11800E	60
9000N 11850E	30
9200N 11050E	80
9200N 11100E	30
9200N 11200E	60
9200N 11250E	40
9200N 11300E	60
9200N 11350E	80
9200N 11400E	60
9200N 11450E	80
9200N 11500E	40
9200N 11550E	20
9200N 11600E	30
9200N 11650E	30
9200N 11750E	50
9200N 11800E	30
9200N 11850E	20
9200N 11900E	20
9200N 11950E	30
9200N 12000E	30
9400N 11050E	50
9400N 11100E	40
9400N 11150E	60
9400N 11200E	50
9400N 11250E	70
9400N 11300E	50
9400N 11350E	40

SAMPLE#	HG ppb
9400N 11400E	80
9400N 11450E	40
9400N 11500E	60
9400N 11550E	50
9400N 11600E	40
9400N 11650E	60
9400N 11700E	30
9400N 11750E	40
9400N 11800E	50
9400N 11850E	40
9400N 11900E	30
9400N 11950E	30
9400N 12000E	60
9600N 11050E	30
9600N 11100E	50
9600N 11150E	50
9600N 11200E	40
9600N 11250E	60
9600N 11300E	60
9600N 11350E	50
9600N 11400E	40
9600N 11600E	70
9600N 11650E	40
9600N 11700E	30
9600N 11750E	40
9600N 11800E	20
9600N 11850E	40
9600N 11900E	60
9600N 11950E	40
9600N 12000E	40
9800N 11050E	50
9800N 11100E	60
9800N 11150E	40
9800N 11200E	30
9800N 11250E	20
9800N 11300E	50

SAMPLE#	HG ppb
9800N 11350E	80
9800N 11400E	30
9800N 11500E	40
9800N 11550E	50
9800N 11600E	40
9800N 11650E	30
9800N 11750E	20
9800N 11800E	30
9800N 11850E	40
9800N 11900E	30
9800N 11950E	50
9800N 12000E	40
10000N 11050E	60
10000N 11100E	50
10000N 11150E	30
10000N 11250E	60
10000N 11300E	60
10000N 11350E	80
10000N 11400E	60
10000N 11450E	40
10000N 11500E	60
10000N 11550E	30
10000N 11600E	40
10000N 11650E	60
10000N 11700E	40
10000N 11750E	50
10000N 11800E	30
10000N 11850E	60
10000N 11900E	20
10000N 11950E	50
10000N 12000E	30

Killer Au (K6)

ACME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED: SEP 6 1989

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED:

Sept. 12, 1989

GEOCHEMICAL ANALYSIS CERTIFICATE

- SAMPLE TYPE: SOIL PULP HG ANALYSIS BY FLAMELESS AA.

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

Noranda Exploration Co. Ltd. PROJECT 8907-082 FILE # 89-3486 Page 1

SAMPLE#	HG ppb
7000N 9500E	20
7000N 9550E	20
7000N 9600E	10
7000N 9650E	20
7000N 9700E	10
7000N 9750E	40
7000N 9800E	30
7000N 9850E	50
7000N 9900E	40
7000N 9950E	50
7000N 10000E	40
7000N 10050E	30
7000N 10100E	20
7000N 10150E	30
7000N 10200E	20
7000N 10250E	40
7000N 10300E	60
7000N 10350E	50
7000N 10400E	30
7000N 10450E	40
7000N 10500E	20
7000N 10550E	20
7000N 10600E	30
7000N 10650E	20
7000N 10700E	30
7000N 10750E	40
7000N 10800E	40
7000N 10850E	50
7000N 10900E	50
7000N 10950E	20
7000N 11000E	10
7000N 11050E	20
7000N 11100E	10
7000N 11150E	30
7000N 11200E	20
7000N 11250E	60

SAMPLE#	HG ppb
7000N 11300E	50
7000N 11350E	30
7000N 11400E	40
7000N 11450E	60
7000N 11500E	50
7000N 11550E	40
7000N 11600E	20
7000N 11650E	30
7000N 11700E	30
7000N 11750E	20
7000N 11800E	30
7000N 11850E	30
7000N 11900E	20
7000N 11950E	60
7000N 12000E	30
7200N 9500E	40
7200N 9550E	30
7200N 9600E	20
7200N 9650E	20
7200N 9700E	30
7200N 9750E	20
7200N 9800E	40
7200N 9850E	30
7200N 9900E	20
7200N 9950E	30
7200N 10000E	20
7200N 10050E	30
7200N 10100E	20
7200N 10150E	5
7200N 10200E	20
7200N 10250E	30
7200N 10300E	20
7200N 10350E	5
7200N 10400E	30
7200N 10450E	30
7200N 10500E	20

SAMPLE#	HG ppb
7200N 10550E	60
7200N 10600E	10
7200N 10650E	20
7200N 10700E	40
7200N 10750E	30
7200N 10800E	40
7200N 10850E	20
7200N 10900E	30
7200N 10950E	30
7200N 11000E	50
7200N 11050E	40
7200N 11100E	30
7200N 11150E	20
7200N 11200E	30
7200N 11250E	50
7200N 11300E	10
7200N 11350E	40
7200N 11400E	20
7200N 11450E	30
7200N 11500E	30
7200N 11550E	10
7200N 11600E	20
7200N 11650E	30
7200N 11700E	20
7200N 11750E	30
7200N 11800E	40
7200N 11850E	20
7200N 11900E	10
7200N 11950E	20
7200N 12000E	20
7400N 9500E	40
7400N 9550E	30
7400N 9600E	20
7400N 9650E	20
7400N 9700E	40
7400N 9750E	50

SAMPLE#	HG ppb
7400N 9800E	30
7400N 9850E	40
7400N 9900E	60
7400N 9950E	20
7400N 10000E	30
7400N 10050E	20
7400N 10100E	5
7400N 10150E	60
7400N 10200E	70
7400N 10250E	50
7400N 10300E	30
7400N 10350E	50
7400N 10400E	60
7400N 10450E	40
7400N 10500E	30
7400N 10550E	50
7400N 10600E	30
7400N 10650E	40
7400N 10700E	40
7400N 10750E	30
7400N 10800E	50
7400N 10850E	70
7400N 10900E	60
7400N 10950E	70
7400N 11000E	50
7400N 11050E	60
7400N 11100E	60
7400N 11150E	20
7400N 11200E	30
7400N 11250E	50
7400N 11300E	40
7400N 11350E	20
7400N 11400E	30
7400N 11450E	30
7400N 11500E	20
7400N 11550E	40

SAMPLE#	HG ppb
7400N 11600E	30
7400N 11650E	20
7400N 11700E	30
7400N 11750E	20
7400N 11800E	30
7400N 11850E	60
7400N 11900E	40
7400N 11950E	70
7400N 12000E	30
7600N 9500E	20
7600N 9550E	40
7600N 9600E	30
7600N 9650E	20
7600N 9700E	30
7600N 9750E	20
7600N 9800E	20
7600N 9900E	30
7600N 9950E	20
7600N 10000E	50
7600N 10050E	70
7600N 10100E	50
7600N 10150E	30
7600N 10200E	20
7600N 10650E	30
7600N 10700E	20
7600N 10750E	30
7600N 10800E	30
7600N 10950E	50
7600N 11000E	40
7600N 11050E	60
7600N 11100E	50
7600N 11150E	40
7600N 11200E	20
7600N 11250E	10
7600N 11300E	20
7600N 11350E	10
7600N 11400E	30

SAMPLE#	HG ppb
7600N 11450E	30
7600N 11500E	20
7600N 11550E	20
7600N 11600E	5
7600N 11650E	30
7600N 11700E	20
7600N 11750E	30
7600N 11800E	20
7600N 11850E	20
7600N 11900E	50
7600N 11950E	30
7600N 12000E	40
7800N 9500E	50
7800N 9550E	30
7800N 9600E	20
7800N 9650E	40
7800N 9700E	30
7800N 9750E	20
7800N 9800E	30
7800N 9850E	40
7800N 9900E	10
7800N 9950E	30
7800N 10000E	20
7800N 10150E	30
7800N 10200E	40
7800N 10250E	10
7800N 10300E	50
7800N 10350E	30
7800N 10400E	10
7800N 10450E	20
7800N 10500E	10
7800N 10550E	20
7800N 10600E	20
7800N 10650E	40
7800N 10700E	30
7800N 10750E	40

SAMPLE#	HG ppb
7800N 10800E	10
7800N 10850E	20
7800N 10950E	10
7800N 11000E	30
7800N 11050E	20
7800N 11100E	20
7800N 11150E	10
7800N 11200E	20
7800N 11250E	30
7800N 11300E	20
7800N 11350E	30
7800N 11400E	50
7800N 11450E	20
7800N 11500E	30
7800N 11550E	20
7800N 11600E	30
7800N 11650E	60
7800N 11700E	40
7800N 11750E	50
7800N 11800E	60
7800N 11850E	40
7800N 11900E	40
7800N 11950E	10
8000N 11050E	40
8000N 11100E	50
8000N 11150E	40
8000N 11200E	20
8000N 11250E	50
8000N 11300E	40
8000N 11350E	60
8000N 11400E	30
8000N 11450E	40
8000N 11500E	40
8000N 11550E	20
8000N 11600E	30
8000N 11650E	20

SAMPLE#	HG ppb
8000N 11700E	20
8000N 11750E	30
8000N 11850E	20
8000N 11900E	10
8000N 11950E	20
8200N 11200E	50
8200N 11250E	20
8200N 11300E	60
8200N 11350E	20
8200N 11400E	30
8200N 11450E	20
8200N 11500E	40
8200N 11550E	50
8200N 11600E	20
8200N 11650E	30
8200N 11700E	30
8200N 11750E	10
8200N 11850E	30
8200N 11900E	30
8200N 11950E	20
8200N 12000E	30
8400N 11350E	10
8400N 11400E	20
8400N 11450E	30
8400N 11500E	20
8400N 11550E	10
8400N 11600E	30
8400N 11650E	50
8400N 11700E	40
8400N 11750E	20
8400N 11800E	50
8400N 11850E	20
8400N 11900E	10
8400N 12000E	40
11000N 9000E	20
11000N 9050E	10
11000N 9100E	20

SAMPLE#	HG ppb
11000N 9150E	30
11000N 9200E	30
11000N 9250E	60
11000N 9300E	80
11000N 9350E	70
11000N 9400E	20
11000N 9450E	30
11000N 9500E	20
11000N 9550E	10
11000N 9600E	10
11000N 9650E	30
11000N 9700E	20
11000N 9750E	10
11000N 9800E	30
11000N 9850E	10
11000N 9900E	20
11000N 9950E	50
11000N 10000E	80
11000N 10050E	40
11000N 10200E	50
11000N 10250E	10
11000N 10400E	20
11000N 10500E	20
11000N 10550E	60
11000N 10600E	30
11000N 10650E	40
11000N 10700E	60
11000N 10750E	50
11000N 10800E	70
11000N 10850E	60
11000N 10900E	40
11000N 10950E	30
11000N 11000E	40

SAMPLE#	HG ppb
11200N 9000E	30
11200N 9050E	20
11200N 9100E	10
11200N 9150E	10
11200N 9200E	30
11200N 9250E	20
11200N 9300E	30
11200N 9350E	20
11200N 9400E	20
11200N 9450E	30
11200N 9500E	10
11200N 9550E	30
11200N 9600E	40
11200N 9650E	30
11200N 9700E	20
11200N 9750E	30
11200N 9800E	30
11200N 9850E	40
11200N 9900E	30
11200N 9950E	20
11200N 10000E	50
11200N 10050E	40
11200N 10100E	20
11200N 10150E	30
11200N 10200E	40
11200N 10250E	20
11200N 10350E	30
11200N 10400E	50
11200N 10450E	60
11200N 10550E	70
11200N 10600E	60
11200N 10700E	50
11200N 10750E	50
11200N 10800E	40
11200N 10850E	50
11200N 11900E	30

SAMPLE#	HG ppb
11200N 10950E	80
11200N 11000E	30
11400N 9000E	10
11400N 9050E	30
11400N 9100E	40
11400N 9150E	20
11400N 9200E	10
11400N 9250E	30
11400N 9300E	20
11400N 9350E	20
11400N 9400E	30
11400N 9450E	10
11400N 9500E	50
11400N 9550E	10
11400N 9600E	40
11400N 9650E	20
11400N 9700E	30
11400N 9750E	50
11400N 9800E	20
11400N 9850E	30
11400N 9900E	20
11400N 9950E	40
11400N 10000E	20
11400N 10050E	20
11400N 10100E	30
11400N 10150E	30
11400N 10200E	60
11400N 10250E	20
11400N 10300E	10
11400N 10350E	20
11400N 10400E	10
11400N 10450E	10
11400N 10500E	30
11400N 10550E	50
11400N 10600E	20
11400N 10650E	30

SAMPLE#	HG ppb
---------	-----------

11400N 10700E	30
11400N 10750E	20
11400N 10800E	30
11400N 10850E	40
11400N 10900E	30
11400N 10950E	50

APPENDIX 2

Rock Sample Descriptions & Geochemical Results

J.P.P. (K.G.)

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: P1 SOIL P2 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: AUG 30 1988

DATE REPORT MAILED: Sept 8/88

ASSAYER: C. Leong D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION PROJECT 8809-002 312

File # 88-4064

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	Hg PPB
Q1	1	103	33	136	1.3	23	20	1094	5.04	1995	5	ND	3	54	1	7	3	70	.39	.074	15	33	1.04	209	.14	6	2.40	.02	.34	2	210	120
Q1 D	1	113	38	203	1.3	20	20	1119	5.08	1959	5	ND	3	55	2	7	2	70	.43	.077	15	31	1.01	208	.14	9	2.26	.02	.36	2	230	20
Q2	1	22	3	115	.1	15	12	411	2.96	56	5	ND	2	39	1	2	2	52	.60	.095	11	25	.82	201	.17	4	1.77	.03	.30	1	4	30
Q3	1	111	55	689	3.9	20	17	763	5.95	3670	5	ND	2	28	13	10	7	51	.29	.054	14	25	.80	188	.10	16	1.98	.02	.19	1	98	80
Q3 (8,9)	1	66	21	534	1.5	20	16	748	4.44	1364	5	ND	2	31	6	7	2	53	.34	.042	13	26	.84	164	.12	5	2.05	.03	.17	1	330	50
Q4	1	150	153	1267	3.8	20	18	727	5.07	5252	5	ND	2	52	29	11	2	62	.48	.091	11	22	1.13	296	.17	2	2.62	.03	.34	3	112	80
Q4 B	1	219	208	1528	5.3	17	19	748	5.59	9732	5	ND	2	55	41	17	5	60	.49	.097	11	20	1.11	339	.17	2	2.54	.03	.38	5	220	100
Q5	1	462	497	1456	33.1	11	14	633	9.23	10864	7	4	4	108	29	47	42	66	.44	.117	17	25	.97	303	.12	5	2.08	.03	.55	1	2680	300
Q5 A1	1	356	496	2184	14.7	14	20	1122	7.45	9421	5	16	2	70	49	32	20	80	.57	.137	16	30	1.27	658	.16	10	2.26	.02	.61	1	9780	150
Q6	1	49	412	1126	2.1	16	26	2375	7.20	3794	5	ND	3	59	9	18	4	48	.61	.086	14	29	1.00	240	.08	8	1.94	.02	.16	1	370	50
Q6 A6	1	47	304	851	1.6	15	30	2476	7.32	3449	5	ND	2	60	7	15	2	41	.61	.100	13	22	.92	208	.07	9	1.65	.02	.17	1	320	30
Q7	1	107	266	1573	1.6	10	24	1557	6.00	2593	5	ND	3	42	20	10	5	44	.53	.130	21	23	.82	204	.06	7	1.64	.01	.17	1	171	50
Q8	1	23	23	136	.3	20	13	391	3.25	179	5	ND	1	25	1	3	2	58	.30	.039	9	28	.91	159	.17	7	2.05	.02	.26	1	33	30
Q9	1	375	1114	6783	12.9	8	39	1911	16.44	11369	5	3	3	276	138	192	11	33	1.86	.096	10	11	.66	115	.02	15	1.15	.01	.12	63	1070	260
Q10	2	88	99	747	1.7	50	22	1042	6.03	6781	5	ND	2	256	7	63	4	30	2.47	.078	14	24	.93	167	.03	10	1.40	.01	.18	1	215	30
Q11	1	35	15	159	.2	21	13	452	3.77	147	5	ND	3	29	1	2	2	73	.50	.110	14	27	.85	127	.16	6	1.61	.02	.28	1	41	100
Q12	1	49	42	370	.3	22	18	765	4.33	827	5	ND	4	29	3	4	2	65	.39	.074	20	34	1.09	231	.16	5	2.32	.02	.34	1	25	30
STD C/AU-5	18	58	35	124	6.7	68	28	1051	4.06	42	18	8	37	48	18	17	18	56	.46	.087	40	55	.91	178	.06	34	1.93	.06	.13	11	48	1400

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	Hg PPB
ARCC	1	2329	384	580	77.8	7	46	55	16.70	11516	6	15	1	47	39	92	269	14	.11	.025	2	16	.15	19	.01	11	.35	.01	.30	1	11820	10
R-5	1	116	165	106	5.2	1	2	103	4.18	11199	5	2	1	97	2	29	17	3	.66	.034	3	3	.02	238	.01	4	.16	.01	.10	1	2050	20
R-10	1	229	85	2040	4.6	5	6	503	3.88	10844	5	ND	1	57	35	17	20	10	1.16	.018	2	24	.38	61	.01	6	.43	.01	.07	1	285	120
R-12	1	395	239	576	31.7	3	4	73	8.49	10966	5	ND	4	29	31	49	101	2	.04	.023	4	3	.03	48	.01	20	.26	.01	.22	1	475	520
R-15	1	9	8	287	.3	3	5	644	1.69	427	5	ND	1	154	1	2	2	16	1.60	.043	3	3	.34	423	.03	3	2.18	.09	.08	28	9	10
R-16	1	44	182	466	3.4	4	7	763	2.88	1443	5	ND	1	9	5	6	3	18	.21	.058	4	14	.68	84	.01	4	1.00	.01	.20	2	49	20
R-20	1	65	21	309	.9	14	15	1142	5.03	202	5	ND	2	154	2	7	2	93	4.35	.093	14	96	3.50	44	.01	30	3.67	.01	.19	1	2	20
R-26	1	52	631	5862	2.3	6	12	1308	5.74	11380	5	2	2	303	101	383	8	4	4.00	.033	3	3	1.04	54	.01	7	.22	.01	.13	16	1060	220
R-28	1	29	2289	2795	15.3	1	2	14932	1.35	10864	18	ND	3	496	24	31	18	2	30.68	.001	8	1	.24	7	.01	11	.02	.01	.01	1	805	190
R-51	51	41	35	60	.8	2	3	203	1.24	615	5	ND	15	8	1	13	2	1	.11	.001	9	1	.01	53	.01	16	.20	.01	.12	1	42	5
R-54	1	60	98	60	11.4	3	1	55	1.30	10996	5	ND	1	9	4	28	3	1	.02	.005	2	6	.02	137	.01	6	.11	.01	.08	5	505	10
R-55	1	85	497	1300	12.0	4	9	381	5.26	11060	5	2	1	132	54	31	20	32	.18	.039	5	22	.78	158	.05	5	1.32	.01	.21	1	1685	30
STD C/AU-R	18	58	35	124	6.7	68	28	1051	4.06	42	18	8	37	48	18	17	18	56	.46	.087	40	55	.91	178	.06	34	1.93	.06	.13	11	520	1300

Yukon Co. (K6)

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 ZN SR CA P LA CR NG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
* SAMPLE TYPE: P1 SOIL P2-P3 ROCK AU ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. NG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: SEP 14 1988

DATE REPORT MAILED: Sept 23/88

ASSAYER: C. Leong, D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION PROJECT 8809-047 312

File # 88-4485

Page 1

X 8	1	11	11	57	.1	17	7	367	2.34	55	5	ND	1	27	1	2	2	44	.36	.043	8	34	.72	80	.09	2	1.59	.01	.17	1	44	10
X 9	1	12	4	60	.1	14	7	322	2.26	4	5	ND	4	24	1	2	2	39	.65	.033	13	23	.64	86	.12	2	1.24	.01	.22	1	1	5
X 10	1	12	5	50	.1	12	7	351	2.42	2	5	ND	3	19	1	2	2	38	.31	.058	3	22	.54	73	.12	2	1.37	.01	.25	1	4	10
X 11	1	22	7	80	.2	15	5	449	2.56	4	5	ND	3	24	1	4	2	46	.35	.056	9	29	.76	115	.11	2	1.69	.01	.20	1	1	20
X 12	1	20	7	78	.1	14	4	391	2.76	4	5	ND	4	25	1	2	2	42	.37	.061	10	27	.74	110	.12	4	1.64	.01	.23	1	8	10
X 13	1	20	9	82	.1	20	9	436	2.14	5	5	ND	1	32	1	2	2	50	.44	.060	11	30	.78	137	.11	2	1.47	.01	.19	1	21	20
X 14	1	30	9	85	.1	18	10	544	2.34	5	5	ND	1	72	1	2	2	37	1.32	.095	8	28	.52	174	.04	2	1.23	.01	.03	1	9	60
X 15	1	24	6	32	.2	11	6	488	1.37	6	5	ND	1	65	1	2	2	24	1.94	.031	5	16	.26	113	.02	7	.64	.01	.03	1	1	60
X 16	1	38	6	44	.2	16	7	650	1.76	7	5	ND	1	71	1	2	3	31	2.02	.013	6	24	.39	153	.04	4	.87	.01	.03	4	1	50
X 17	1	38	10	39	.3	24	15	809	2.83	5	5	ND	1	57	1	2	2	51	1.21	.079	11	34	.54	247	.04	2	1.71	.01	.03	1	3	50
X 18	1	36	11	73	.1	25	10	640	3.40	8	5	ND	4	27	1	2	2	58	.42	.059	12	40	.91	142	.12	3	1.86	.01	.22	1	10	10
X 19	1	38	8	84	.1	27	10	353	3.35	11	5	ND	4	31	1	2	2	59	.45	.061	12	41	.99	143	.13	2	2.10	.01	.20	1	10	20
X 20	1	24	7	79	.1	26	9	481	3.39	7	5	ND	3	27	1	2	2	55	.42	.067	10	39	.93	107	.13	3	1.79	.01	.19	1	21	10
X 21	1	31	7	90	.1	28	10	458	3.24	9	5	ND	3	37	1	2	2	53	.56	.068	10	37	.92	139	.11	4	1.85	.01	.23	1	2	30
Q 13	1	26	11	85	.1	21	12	457	3.55	35	5	ND	4	35	1	2	2	63	.53	.102	14	38	1.02	218	.18	5	2.95	.02	.35	1	42	20
Q 14	1	58	29	151	.2	45	21	521	4.81	170	5	ND	10	62	1	2	2	81	.97	.141	22	64	1.32	204	.28	3	2.26	.02	.62	1	78	5
STD C/AU-S	18	58	36	132	6.7	67	30	1031	4.32	39	16	7	40	50	18	17	22	60	.51	.083	40	55	.99	180	.07	32	1.96	.06	.14	11	51	1300

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	Hg PPB
R 39580	1	7	6	32	.1	3	1	197	.86	98	5	ND	8	5	1	2	2	1	.11	.008	27	3	.04	57	.01	2	.40	.03	.11	1	9	5
R 39581	1	143	12	1329	1.4	1	4	525	2.28	2	6	ND	11	132	13	2	2	1	4.10	.020	3	2	.91	26	.01	7	2.28	.04	.06	24	6	5
R 39582	1	2593	19	20497	43.3	1	10	1811	12.25	2	8	ND	17	163	276	2	36	11	1.52	.018	6	14	1.71	64	.03	2	3.38	.07	.11	6	64	10
R 39583	2	115	10	139	.5	4	7	1119	7.95	64	5	ND	7	93	2	2	2	6	3.17	.043	3	6	.05	19	.01	2	.81	.01	.01	9	15	20
R 39584	1	4062	6133	67195	173.9	2	4	885	35.38	99999	5	5	2	22	903	171	323	4	1.03	.012	2	7	.15	13	.01	2	.23	.01	.01	3	2190	1450
R 39585	1	1025	6674	62811	131.5	1	5	735	18.04	71500	5	2	2	9	1140	81	246	8	.72	.018	2	1	.29	9	.01	2	.35	.01	.04	1	1590	2100
R 39586	1	289	35	7332	3.3	2	10	1679	5.16	14388	5	ND	1	97	83	57	6	1	6.64	.008	4	24	.05	7	.01	2	.07	.01	.01	1	435	280
R 39587	2	147	306	2706	6.3	5	8	563	7.49	29973	5	ND	1	56	31	183	8	3	1.86	.008	2	8	.04	32	.01	2	.11	.01	.04	1	515	150
R 39588	2	394	855	20332	43.8	12	17	509	9.26	83468	5	5	2	17	275	66	78	10	.82	.022	2	28	.44	23	.01	2	.58	.01	.09	1	5770	230
STD C/AU-R	18	57	42	129	6.6	68	29	1075	4.10	39	20	7	38	47	17	18	58	.49	.089	39	56	.88	175	.07	33	2.03	.06	.15	12	470	1300	

- ASSAY REQUIRED FOR CORRECT RESULT for Zn As > 1%
Ag > 35 ppm

SAMPLE#	Mo	Cu	Pb	Zn	Ag	W	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Au**	Pt**	Pd**	Rh**
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB	PPB	PPB	PPB	PPB
R 39589	1	14	45	504	1.0	1490	78	364	4.02	384	5	ND	1	3	5	2	2	2	.19	.003	2	65	18.10	3	.01	126	.01	.01	.01	1	50	10	2	2	2

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: P1-P2 SOIL P3 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: SEP 14 1988

DATE REPORT MAILED: Sept 21/88

ASSAYER: C. Leong D. TOYE OR C. LEONG, CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION PROJECT 8809-048 312

File # 88-4486

Page 1

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*	Hg
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	%	PPM	PPB	PPB
RL-10 7000E	1	26	8	94	.2	19	9	325	3.89	26	5	ND	1	33	1	2	2	70	.34	.096	10	32	.79	125	.09	4	1.96	.01	.09	1	1	90
RL-10 7100E	1	30	12	89	.1	19	9	342	3.38	16	5	ND	1	29	1	2	3	63	.27	.092	8	33	.48	91	.05	4	1.26	.01	.05	1	4	80
RL-10 7200E	1	28	13	117	.1	24	12	552	4.61	29	5	ND	1	41	1	2	2	86	.64	.141	14	41	1.12	210	.15	6	2.29	.02	.23	1	2	50
RL-10 7300E	1	12	2	35	.1	4	6	244	2.14	2	5	ND	1	16	1	2	2	56	.16	.036	2	9	.16	36	.07	2	.33	.02	.02	1	1	10
RL-10 7400E	1	34	19	130	.1	31	14	597	4.65	15	5	ND	2	81	1	2	2	84	.88	.146	17	73	1.69	197	.14	5	2.91	.03	.22	1	2	20
RL-10 7500E	1	20	6	70	.1	13	9	371	2.49	7	5	ND	1	39	1	2	2	49	.45	.092	8	22	.42	116	.05	5	1.04	.02	.04	1	1	40
RL-10 7600E	1	27	11	99	.1	24	11	453	4.33	16	5	ND	1	35	1	2	2	81	.45	.115	12	38	1.12	151	.13	5	2.48	.01	.15	1	2	20
RL-10 7700E	1	27	7	105	.1	21	11	498	4.16	18	5	ND	1	39	1	2	2	74	.57	.123	13	37	1.03	177	.12	5	2.20	.02	.12	1	1	40
RL-10 7800E	2	29	19	106	.1	26	11	517	4.31	28	5	ND	1	34	1	3	2	87	.31	.079	10	47	1.00	147	.10	3	2.34	.01	.10	4	6	30
RL-10 7900E	1	18	8	105	.1	20	11	526	3.92	23	5	ND	2	30	1	3	2	69	.43	.057	11	38	1.05	128	.16	2	2.26	.01	.22	1	1	10
RL-10 8000E	1	30	13	108	.1	26	12	474	4.35	20	5	ND	1	36	1	2	2	79	.38	.074	11	45	1.07	153	.11	5	2.44	.01	.10	1	1	100
RL-10 8100E	1	36	13	155	.1	30	14	651	4.54	114	5	ND	2	52	1	2	2	78	.46	.067	13	59	1.40	138	.12	2	3.02	.02	.10	1	2	50
RL-10 8200E	1	35	16	109	.1	27	13	599	4.55	48	5	ND	1	39	1	2	2	79	.42	.082	11	46	1.06	154	.11	5	2.30	.02	.09	1	1	70
RL-10 8300E	1	43	7	152	.1	30	17	622	4.62	144	5	ND	4	53	1	2	2	80	.93	.191	19	47	1.29	283	.22	3	2.59	.02	.39	1	13	50
RL-10 8400E	1	37	4	137	.1	27	16	667	4.91	61	5	ND	4	52	1	2	2	85	.93	.188	18	45	1.42	283	.26	5	2.92	.02	.48	1	8	30
RL-10 8500E	1	38	9	125	.2	25	16	738	4.78	83	5	ND	3	153	1	2	2	81	.75	.113	16	37	1.30	257	.20	2	3.15	.02	.36	1	2	40
RL-10 8600E	1	40	24	233	.1	26	19	676	5.14	208	5	ND	3	93	1	2	2	88	.85	.114	17	48	1.53	335	.24	2	3.45	.02	.32	1	12	20
RL-10 8700E	1	47	12	142	.3	63	25	873	6.37	30	5	ND	16	46	1	4	2	113	.46	.025	24	132	2.21	180	.41	5	3.74	.02	1.12	4	1	30
RL-10 8800E	1	32	5	95	.1	27	12	455	3.96	41	5	ND	4	34	1	2	2	69	.38	.067	14	44	1.08	162	.19	2	2.47	.02	.32	2	8	20
RL-10 8900E	1	27	10	82	.1	21	12	515	3.74	24	5	ND	1	42	1	2	2	64	.60	.078	9	33	.99	209	.12	3	1.99	.02	.20	1	1	90
RL-10 9000E	1	27	7	96	.1	24	11	501	4.03	39	5	ND	1	40	1	3	2	62	.57	.078	10	36	.87	153	.11	2	1.90	.01	.18	1	1	40
RL-10 9050E	1	28	10	96	.1	26	12	517	3.77	30	5	ND	3	26	1	2	2	60	.33	.037	12	37	.94	128	.17	2	2.29	.02	.20	1	2	20
RL-10 9100E	1	41	6	85	.1	19	10	389	3.86	13	5	ND	4	29	1	2	2	58	.31	.052	22	33	.92	159	.20	2	2.23	.02	.23	1	1	30
RL-10 9150E	1	28	4	91	.1	24	12	561	4.00	14	5	ND	3	27	1	2	2	67	.37	.032	12	42	1.09	136	.18	2	2.48	.02	.19	1	1	20
RL-10 9200E	1	24	5	88	.1	20	12	545	3.84	15	5	ND	1	36	1	2	3	68	.38	.054	9	39	1.06	242	.18	3	2.30	.02	.17	1	1	30
RL-10 9250E	1	33	37	200	.3	15	13	904	4.26	718	5	ND	6	40	1	2	2	62	.49	.080	18	36	1.08	198	.20	7	2.45	.03	.34	3	610	20
RL-10 9300E	1	34	18	177	.2	21	13	456	3.89	262	5	ND	3	37	1	2	4	63	.53	.104	12	31	1.08	252	.22	2	2.73	.03	.36	2	17	20
RL-10 9350E	1	44	26	194	.2	23	15	662	4.43	325	5	ND	3	42	1	2	2	79	.44	.046	12	43	1.35	289	.22	4	3.07	.03	.28	1	25	30
RL-10 9400E	1	33	16	99	.1	28	13	449	4.17	64	5	ND	1	41	1	2	2	67	.42	.073	9	45	1.26	265	.14	3	2.77	.02	.14	1	3	110
RL-10 9450E	1	26	11	88	.1	18	11	463	3.61	35	5	ND	2	37	1	2	2	63	.54	.108	13	36	1.05	222	.22	3	2.17	.02	.33	1	1	10
RL-10 9500E	1	33	7	112	.1	24	14	566	4.00	15	5	ND	2	38	1	2	2	64	.57	.120	13	37	1.09	263	.19	6	2.24	.03	.22	1	1	50
RL-10 9550E	1	23	25	94	.1	16	14	643	3.72	18	5	ND	3	70	1	2	2	68	.68	.119	12	39	1.22	211	.19	2	2.75	.03	.25	1	13	10
RL-10 9600E	1	29	14	112	.1	23	14	580	4.17	51	5	ND	1	47	1	2	2	68	.47	.061	11	40	1.28	226	.16	4	3.21	.02	.20	1	5	30
RL-10 9650E	1	27	2	92	.1	22	12	499	3.83	16	5	ND	2	41	1	2	2	67	.58	.115	14	45	1.22	321	.22	3	2.45	.03	.35	1	2	10
RL-10 9700E	1	26	8	79	.1	22	10	375	3.41	13	5	ND	1	32	1	2	2	61	.34	.067	10	36	.96	185	.17	2	2.37	.02	.18	1	1	40
RL-10 9750E	1	23	12	84	.1	22	13	494	3.71	15	5	ND	3	40	1	2	2	69	.62	.116	14	41	1.14	283	.23	8	2.46	.03	.34	2	2	10
STD C/AU-S	17	60	37	132	6.7	67	30	1016	4.28	40	21	7	38	49	17	20	19	58	.47	.084	40	56	.95	179	.07	31	1.99	.06	.13	12	53	1300

Sept 21/88

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Tb PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Hg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB	Hg PPB
RL-10 9800E	1	27	6	93	.1	20	14	496	3.84	11	5	ND	2	31	1	2	2	65	.63	.107	12	36	1.05	206	.18	2	2.16	.02	.30	1	8	40
RL-10 9850E	1	29	14	114	.2	24	15	651	4.15	105	5	ND	3	69	1	2	2	67	.91	.116	15	40	1.12	203	.17	3	2.49	.04	.26	1	21	10
RL-10 9900E	1	29	5	157	.1	19	15	454	3.97	91	5	ND	3	34	1	2	2	67	.73	.137	14	32	1.16	285	.23	5	2.26	.02	.47	2	7	10
RL-10 9950E	1	32	9	172	.1	15	13	502	3.76	111	5	ND	4	23	1	2	2	61	.56	.110	13	28	1.00	189	.21	3	1.98	.02	.38	1	25	20
RL-10 10000E	1	40	7	147	.1	24	16	807	5.48	30	5	ND	2	42	1	2	2	75	.67	.094	11	28	1.07	221	.16	2	2.22	.03	.20	1	6	40
STD C/AU-S	18	57	36	132	7.1	67	30	1021	4.15	38	19	7	36	48	13	18	18	55	.49	.082	36	55	.90	172	.06	32	1.94	.06	.13	12	49	1300

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* PPM	Hg PPM
R 39590	1	13	15	75	.2	3	11	346	3.87	10	5	ND	2	170	1	6	2	74	1.90	.131	6	28	1.39	534	.30	2	3.71	.25	1.39	1	7	5
R 39591	2	30	11	49	.1	6	4	320	3.15	11	5	ND	11	12	1	2	2	31	.20	.062	19	16	.62	273	.24	2	1.21	.04	.76	2	6	5
R 39592	1	17	32	233	.2	56	10	490	2.73	9	5	ND	3	41	1	2	2	37	1.82	.063	7	99	1.72	36	.08	2	1.82	.02	.09	1	8	5
R 39593	2	23	11	5	.3	6	1	31	.46	8	5	ND	15	1	1	2	2	1	.01	.001	4	2	.01	14	.01	3	.15	.03	.07	1	6	5
R 39594	1	94	7	64	.4	4	12	397	4.54	14	5	ND	3	95	1	2	2	66	1.16	.151	12	19	.98	572	.34	2	2.48	.18	1.32	1	11	5
R 39595	3	28	5	22	.7	8	1	2	.61	4060	5	ND	2	1	4	7	2	1	.01	.002	2	7	.01	55	.01	12	.04	.01	.03	1	138	5
R 39596	1	153	440	207	6.8	4	4	76	5.02	46548	5	ND	3	11	10	41	13	2	.04	.010	2	32	.03	28	.01	2	.19	.01	.09	1	1720	40
R 39597	1	215	970	2115	20.3	3	11	184	7.90	47607	5	2	2	18	28	59	14	7	.21	.050	3	9	.17	16	.01	2	.32	.01	.12	1	2150	140
R 39598	1	5	25	50	1.0	3	2	1508	.80	6726	5	ND	2	29	1	12	3	1	1.67	.005	2	2	.02	42	.01	3	.09	.01	.05	1	1690	10
R 39599	13	25	1266	1374	9.7	2	11	2003	6.75	829	5	ND	4	28	5	12	3	85	.96	.146	12	11	1.80	43	.01	2	2.53	.01	.15	1	172	40
R 39600	1	67	2	46	.1	25	12	300	3.46	21	5	ND	9	49	1	2	2	54	.55	.035	24	54	.70	387	.24	2	1.66	.09	.83	1	5	5
R 48601	1	8	10	17	.4	4	1	182	.30	25	5	ND	16	746	1	19	2	6	12.61	.048	10	6	.02	27	.04	5	5.68	.14	.02	7	2	5
R 48602	1	436	129	336	10.7	3	8	210	13.97	17891	5	2	5	1	2	13	74	18	.01	.041	3	9	.32	8	.03	2	.60	.01	.10	1	1080	5
STD C/AU-R	18	56	37	132	6.5	68	28	1007	3.91	38	24	8	38	46	17	20	17	56	.46	.085	37	53	.85	176	.06	32	1.84	.06	.14	12	480	1400

Killer Au (K6)

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 NN FI SR CA P LA CR NG 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. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUL 13 1989 DATE REPORT MAILED: *July 18/89* SIGNED BY: *C. Long* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION CO. LTD. PROJECT 8907-050 322 File # 89-2143

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tb	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	V	Au*	Hg
PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	%	PPM	PPM	PPM
R52415	2	11	5	39	.2	4	1	330	1.67	2	5	ND	11	3	1	2	2	1	.04	.008	3	3	.02	10	.01	4	.28	.05	.10	2	2	5
R52416	1	25	3	29	.1	4	4	151	1.92	4	5	ND	5	16	1	2	3	19	.22	.044	5	23	.36	424	.17	7	.96	.07	.46	1	2	5
R52417	2	10	5	3	.1	7	1	76	1.61	5	5	ND	32	6	1	2	4	5	.04	.009	31	7	.08	32	.03	2	.23	.01	.10	1	5	5
R52418	1	12	5	5	.1	3	1	44	.37	2	5	ND	11	4	1	2	2	1	.02	.002	5	15	.03	11	.01	2	.21	.03	.07	1	3	5
R52419	2	11	5	13	.1	5	2	90	.55	3	5	ND	10	8	1	2	2	7	.08	.009	6	10	.13	43	.02	2	.39	.04	.14	1	4	5
R52420	1	4	5	5	.4	4	1	37	.31	4	5	ND	5	13	1	2	2	2	.04	.032	4	25	.03	27	.01	14	.10	.01	.04	1	5	5
R52421	2	105	195	343	16.0	7	14	565	7.84	475	5	2	1	9	3	7	149	47	.11	.039	4	26	.63	58	.04	3	1.12	.01	.05	1	1120	5
R52422	1	4	3	3	.2	5	2	75	.54	1	5	ND	5	13	1	2	2	8	.09	.010	6	27	.13	68	.04	9	.29	.02	.10	1	3	5
R52423	2	173	32	232	.7	5	2	161	2.33	1141	5	ND	9	31	3	2	2	5	.36	.031	16	6	.10	72	.01	2	.46	.01	.21	1	16	10
R52424	1	179	359	372	3.4	4	3	224	2.54	2175	7	ND	2	22	5	55	4	4	.15	.039	13	24	.09	93	.01	2	.47	.01	.20	1	172	20
R52425	7	110	9079	40569	95.1	4	4	146	12.07	95939	5	2	1	14	541	116	151	1	.07	.005	2	7	.02	16	.01	7	.08	.01	.07	2	960	1800
R117151	2	50	82	5369	1.2	5	17	1316	5.91	3323	5	ND	1	54	3	13	2	14	1.98	.116	7	20	.35	49	.01	2	.98	.01	.20	1	52	20
R117152	2	95	7617	4729	55.3	6	8	489	14.01	99539	5	2	1	33	94	116	78	11	.68	.029	2	23	.25	15	.01	10	.49	.01	.11	1	940	340
R117153	1	16	20	72	.1	42	15	668	3.02	137	5	ND	1	34	1	2	2	55	1.97	.042	2	280	1.74	289	.17	2	1.57	.04	.88	1	1	5
R117156	4	340	6346	28492	180.3	3	3	892	17.96	99543	5	2	1	31	403	103	349	1	1.18	.001	3	8	.01	9	.01	2	.02	.01	.01	2	1390	950
R117157	1	8	30	65	.7	11	3	167	.95	342	7	ND	2	5	1	2	2	20	.11	.014	3	90	.58	32	.02	14	.63	.01	.07	3	12	5
R117158	3	12	155	568	3.4	4	1	161	1.27	1607	8	ND	5	7	8	2	4	1	.13	.005	15	4	.01	79	.01	3	.27	.03	.12	1	62	60
R117159	1	34	250	485	2.1	5	7	911	2.39	5557	5	ND	2	63	5	11	2	15	1.51	.029	2	31	.41	56	.01	7	.67	.01	.08	1	270	20
R117160	3	6	26	102	.6	10	1	38	.38	279	5	ND	2	1	1	2	3	1	.02	.001	2	8	.01	3	.01	4	.03	.01	.01	2	5	10
R117161	1	3	16	16	.2	4	1	49	.28	41	5	ND	18	7	1	2	3	2	.03	.003	7	24	.04	60	.01	5	.20	.03	.07	2	4	5
R117162	2	7	152	354	1.2	5	2	699	.86	6368	5	ND	4	167	4	37	2	2	2.91	.009	3	5	.09	35	.01	5	.17	.01	.08	1	57	5
R117163	2	4	6	3	.1	5	1	25	.35	10	5	ND	1	4	1	2	2	1	.01	.003	2	37	.01	4	.01	2	.06	.01	.01	2	4	5
R117164	3	10	4	12	.1	15	2	114	.65	25	5	ND	1	3	1	2	2	4	.05	.009	2	12	.10	9	.01	8	.25	.01	.02	2	5	5
R117165	1	3	4	3	.1	5	1	25	.21	6	5	ND	2	1	1	2	2	1	.01	.001	2	35	.01	2	.01	2	.01	.01	.01	3	2	5
R117166	2	16	7	5	.2	5	1	42	.67	23	5	ND	17	1	1	2	3	1	.01	.001	2	3	.01	1	.01	5	.14	.03	.06	3	3	5
R117251	2	39	3	12	.1	3	1	73	1.12	31	5	ND	10	5	1	2	2	5	.08	.017	7	20	.14	43	.04	10	.40	.03	.16	2	1	5
R117252	12	175	74	1258	5.2	5	9	411	9.68	14824	5	ND	1	17	67	14	2	30	.16	.091	7	34	.78	63	.02	2	1.66	.01	.24	1	122	130
STD C/AU-R	18	59	39	132	6.9	69	31	1022	4.07	42	20	7	39	52	18	15	21	60	.48	.092	39	56	.89	188	.07	39	1.93	.06	.14	13	490	1400

May 1989

Killer Au (KG)

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 & W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 1 PPM.
- SAMPLE TYPE: ROCK AU ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUL 18 1989 DATE REPORT MAILED: July 27/89 SIGNED BY: C. Long D. TOIN, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION CO. LTD. PROJECT 8907-056 322 File # 89-2269

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Tb 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* PPM	
R 117167	1	39	81	1940	2.3	1	14	714	5.59	51075	✓	5	ND	1	139	29	33	11	26	3.45	.043	2	24	.72	28	.01	2	.77	.01	.12	1	430
R 117226	2	7	23	191	.5	7	3	521	1.22	5067		5	ND	1	24	7	2	2	3	.54	.033	3	6	.11	130	.01	2	.26	.01	.08	1	66
R 117228	2	50	23	5	.5	5	4	59	2.02	17441	✓	5	ND	1	16	1	2	2	5	.12	.010	2	7	.06	10	.01	2	.18	.01	.05	2	290
R 117229	2	3	10	10	.1	10	6	117	2.04	18773	✓	5	ND	2	3	1	16	2	8	.33	.023	2	13	.24	25	.01	2	.36	.01	.08	1	146
R 117231	1	5	5	6	.2	4	1	22	.23	78		5	ND	1	1	1	2	2	1	.02	.005	2	33	.01	8	.01	7	.04	.01	.01	1	5
R 117232	2	221	9	32	.6	3	15	174	6.88	35780	✓	5	ND	1	69	1	3	12	81	.56	.107	5	25	1.51	81	.06	2	2.06	.04	.32	22	460
R 117233	1	16	19	191	.2	15	18	1177	5.52	331		5	ND	2	214	2	2	2	59	4.61	.101	7	66	1.92	74	.01	2	1.96	.01	.14	1	31
R 117234	1	4	11	40	.2	1	2	156	.54	19		5	ND	18	189	1	2	2	1	2.08	.023	7	1	.19	47	.01	8	2.54	.13	.02	1	4
R 117235	2	31	420	550	3.3	5	3	336	2.14	7173		5	ND	3	6	21	8	2	6	.09	.021	6	45	.09	392	.01	2	.37	.01	.13	1	115
R 117236	2	79	677	2973	11.1	2	10	350	9.23	59317	✓	5	ND	3	19	40	62	19	6	.18	.046	3	13	.16	14	.01	2	.41	.01	.16	1	750
R 117253	2	4	8	8	2.6	2	1	11	.81	220		5	ND	12	5	1	3	2	1	.04	.010	12	3	.01	121	.01	2	.29	.01	.16	1	13
STD C/AU-R	13	52	42	132	6.3	68	31	1012	4.09	38	19	6	38	50	13	17	22	60	.51	.088	39	54	.91	174	.07	34	1.95	.06	.13	12	510	

- ASSAY REQUIRED FOR CORRECT RESULT -

Soil to follow

Killar Au (K6)

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-H2O2 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 NG 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. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUL 21 1989 DATE REPORT MAILED: *July 28/89* SIGNED BY: *C. Long* .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION CO. LTD. PROJECT 8907-082 322 File # 89-2366

SAMPLE#	Mo	Cu	Pb	In	Ag	Ni	Co	Mn	Fe	As	U	Au	Tb	St	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*	Hg
PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	PPM
R 117227	3	457	5	30	1.2	75	58	224	8.97	10	5	ND	2	55	3	2	6	20	1.94	.039	6	24	.15	16	.05	2	2.46	.04	.02	33	12	29
R 117230	1	345	11	1425	1.5	6	29	4414	9.64	30	5	ND	2	55	25	2	12	2	11.23	.031	2	1	.10	33	.01	4	.36	.01	.13	231	92	10
R 117237	1	3	14	23	.1	5	1	194	.43	2	5	ND	13	160	1	2	5	1	4.34	.021	4	2	1.43	106	.01	6	2.86	.03	.10	7	6	5
R 117239	1	27	2	4405	.5	1	14	1672	6.40	12	5	ND	2	52	50	2	5	5	5.14	.030	2	2	6.81	7	.01	36	.15	.01	.01	22	6	5
R 117239	1	55	12	75	.1	2	13	720	3.56	6	5	ND	1	60	1	2	2	27	3.25	.051	2	4	1.56	60	.13	2	2.56	.06	.17	1	3	10
R 117254	2	15	15	15	.1	20	2	67	.47	3	5	ND	2	150	1	2	4	5	2.38	.052	10	18	.06	42	.10	5	3.10	.23	.03	4	3	5
R 117255	2	155	105	424	7.3	4	2	183	1.96	1315	5	ND	3	5	3	4	3	6	.10	.021	15	5	.19	75	.01	2	.48	.01	.13	2	210	20
R 117256	1	3	12	343	.1	5	2	493	1.97	5	5	ND	5	155	2	2	5	7	2.78	.055	3	4	.54	18	.07	6	2.16	.04	.02	1	4	5
R 117257	1	55	178	550	4.3	4	11	222	4.85	47294	5	5	1	17	6	19	21	14	.37	.043	5	16	.37	41	.02	8	.57	.01	.12	1	2849	50
R 117259	1	3	3	22	.1	5	1	271	.72	12	5	ND	1	22	1	2	4	3	1.22	.020	2	7	.02	9	.04	11	.36	.01	.01	1	6	5
R 117259	3	10	50	115	.3	5	2	191	1.29	436	5	ND	6	9	1	2	3	2	.25	.005	13	4	.01	96	.01	4	.26	.03	.16	1	21	10
R 117260	4	59	21	19	.1	17	5	72	1.43	4	5	ND	3	232	1	2	3	11	2.65	.034	19	13	.14	121	.11	6	6.11	.19	.14	1	3	5
R 117261	5	51	10	34	.1	8	9	375	2.35	56	5	ND	10	147	1	4	2	21	1.87	.025	11	29	.32	67	.06	5	2.52	.08	.11	135	2	10
R 117262	2	55	5	11	.1	14	6	276	.99	2	5	ND	1	26	1	2	2	27	2.33	.039	2	20	.26	23	.26	2	.49	.02	.03	1	1	5
R 117263	1	52	12	34	.3	6	7	157	2.95	25	5	ND	4	53	1	2	2	26	1.20	.109	12	12	.17	31	.13	3	1.21	.11	.08	3	1	10
R 117264	1	42	5	123	.1	35	35	690	7.23	5	5	ND	1	15	2	2	2	115	1.00	.116	5	57	2.87	56	.36	5	3.10	.02	.09	1	1	20

- ASSAY REQUIRED FOR CORRECT RESULT -

Mr. White

PROPERTY J.P. ROSSN.T.S. 115 H/4DATE AUGUST 23/88

ROCK SAMPLE REPORT

PROJECT YUKON GEN (312)

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	SAMPLED BY
~~ABC C~~	Rusty yellow-brown weathered slightly vuggy siliceous. Peds of massive aspy plus fg sphalerite + galena ^(pyrite) . Strongly oxidized	15	grab		Av	Ag	As	Hg				JPR
					11820	77.8	11516	10				
~~R-5~~	Brown and dirty white, weakly rusty quartz vein cut by dark brown limonitic fractures, vuggy Aspy and yellow oxid ⁿ assoc with white quartz.	2.5	grab		2050	5.2	11199	20				JPR
R-10	Rusty, vuggy, quartz veining Sz in open spaces - very coarse pyrite + aspy. Fg aspy + gl? in stringers parallel to vein. Minor cp, reddish tint to some fresh gtz -	15	grab		285	4.6	10844	120				JPR
R-12	Gossensous highly weathered, siliceous. Very vuggy rusty sections. Sz coarse gr pyrite, minor aspy, yellow oxid ⁿ .	10-15	grab		475	31.7	10966	520				JPR

G = GEOCHEM

A = ASSAY

PROPERTY

J. P. RossN.T.S. 115 H/4DATE AUGUST 23/88

ROCK SAMPLE REPORT

PROJECT YUKON GEN (312)

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	SAMPLED BY
					A ₀	A _g	A _s	H _g				
R-15 B-zone	White quartz veining, weakly vuggy, not rusty, 1-2 cm thick bands of purplish qtz-biotite with minor aspy	2-5	grab		9	.3	427	10				JPR.
R-16	Area A-12. Slightly vuggy, weakly rusty, white quartz; reddish hem. stain.	1+	grab		49	3.4	1443	20				JPR.
R-20	E Zone Dull, greenish gray, vfg sheared 'pelitic' rock. Highly fractured soft, no identifiable sulphides strongly calcareous.	1+	grab		2	9	202	20				JPR.
~~R-26~~	A-21, 22 Rusty, sulphide rich quartz vein weak-mod calcareous; mainly pyrite minor aspy wispy strands between rounded white quartz clasts slightly rusty, minor green-yellow As stain.	10	grab		1060	2.8	11380	220				JPR.

G = GEOCHEM

A = ASSAY

PROPERTY J.P. RossN.T.S. 11514/4DATE AUGUST 23/88

ROCK SAMPLE REPORT

PROJECT YUKON GEN (312)

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	SAMPLED BY
					A _u	A _s	A _s	A _s				
R-28	F Zone White coarse calcite vein, carbonate weathered surface Coarse and wispy sulphides include brown sph., pyrite and aspy, gl. Cb is fractured, infilled with dark brown carb.	5	grab		805	11.8	10864	190				JPR
R-51	K Zone. reddish (Fe?) Rusty fractured yellowish white quartz vein, no carb; vuggy sections likely rusted out S ₂	1?	grab		42	.8	616	5				JPR
R-54	K Zone. Coarse vuggy white quartz vein, sl. hematitic, not calc. massive, no S ₂ identified	<1	grab		505	11.4	10996	10				JPR
R-55	Rusty, coarse grained qtz vein extremely vuggy, tarnished S ₂ prob galena	1	grab		1625	12.0	11060	30				JPR

G = GEOCHEM

A = ASSAY

PROPERTY ARC CLAIMS.N.T.S. 115 H4DATE SEPT 9, 88

ROCK SAMPLE REPORT

PROJECT 312 YUKON GEN

AMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	SAMPLED BY
39580 (R56)	BUFF-WHITE SILICEOUS RHYOLITE SHEARED WITH MINOR RUSTY SPOTS		GRAB									J.P.R.
39581 (R57)	PALE TO DARK GREEN CALC-SILICATE SKARN ROCK WITH 0-30% AsPy MINOR P _o (WEAKLY MAGNETIC) (COMPOSITE)	0-40%	GRAB									
39582 (R58)	DARK GREEN CALC SILICATE? WITH 20% SULPHIDES TR. MAGNETIC	20%	GRAB									
39583 (R59)	V. RUSTY WEATHERING LIMONITES ALT'D CALC SILICATE (DISP.) WITH TR. P _o .		TR. GRAB									
39584 (R60)	3cm WIDE VEIN OF 60% AsPy V. RUSTY WEATHERING (TR. P _o) 10% SPHAL.	90%	GRAB									
39585 (R61)	3cm WIDE Q _{tz} - ~~TR~~ ^{SULFIDE} VEIN 1-2% Py 50% ~~AsPy~~ SPHALERITE TR AsPy	50%	GRAB									
39586 (R63)	RUSTY WEATHERING Q _{tz} -CALCITE VEIN? WITH 2-3% AsPy + Py	23%	GRAB									

G = GEOCHEM

A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. _____

PROPERTY _____

DATE _____

ROCK SAMPLE REPORT

PROJECT _____

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G ☐ A ☐								SAMPLED BY
R39587 (R64)	RUSTY WEATHERING QTZ CARB VEIN? 5Z WITH 5Z ArPy + Py		GRAB										JPR
R39588 (R66)	RUSTY WEATHERING 4cm WIDE QTZ VEIN WITH 30% SULPHIDES ArPy, Py (SPHAL) * DENSE	30Z	GRAB										V
R39589 (T2)	ULTRA MAFIC DYKE? WITH SERPENTINE FILLED FRACTURES. WEAKLY CALCAREOUS TR. SULPHIDES. WEAKLY MAGNETIC												

G = GEOCHEM

A = ASSAY

PROPERTY ARC PROPERTYN.T.S. 115 H-4DATE SEPT 12, 1988

ROCK SAMPLE REPORT

PROJECT 312 YUKON GEN.

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	SAMPLED BY
239590	F.G. DARK GREEN INTERMEDIATE DYKE FLOAT IN TALUS TR. SULPHIDES	TR	GRAB									K.D.G.
239591	RUSTY (MOD.) WEATHERING <u>C.G.</u> INT. GRANODIORITE.	E	GRAB									
239592	PALE GREY-GREEN F-PORPH FELSIC DYKE.		GRAB									
239593	RUSTY WEATHERING, BLEACHED? G-DIOR?		GRAB									
239594	V. RUSTY WEATHERING F.G. G-DIOR?											
239595	WEAKLY RUSTY WEATHERING 5cm WIDE QTZ VEIN (COCKSCOMB) WITH TR. SULPHIDES (ASPy?) ASSOCIATED WITH 39554(?)	TR	GRAB									
239596	COMPOSITE OF QTZ-CARB VEINING WITH UP TO 30% ASPy WITHIN 10m AREA	0-30%	GRAB									
239597	QTZ VEINING WITH ASPy	30%	GRAB									

G = GEOCHEM

A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY ARC CLAIMSN.T.S. 115 H-4DATE SEPT 12, 1988

ROCK SAMPLE REPORT

PROJECT 312 YUKON GEN.

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
39598	10cm wide Qtz - CARB VEIN FLAT. PALE GREEN (SERICITE?) COLOR WITH TR. ASPY, PY	TR	GRAB														KDG
39599	RUSTY WEATHERING G-DIOR? WITH MUSS. NEAR D-1?		GRAB														
39600	SHEARED RUSTY WEATHERING G. DIOR? SEMIST? WITH TR PY	TR	GRAB														
48601	DENSE CALC-SILICATE (SKARN) WITH TR. SULPHIDES Qtz - EPIDOTE - DIOPSIDIC	TR	GRAB														
48602	2cm wide Qtz - ASPY VEIN FLAT NEAR TOP OF SADDLE IN TALUS. * NO FLAG.	402	GRAB														

G = GEOCHEM

A = ASSAY

PROPERTY KILLER AuN.T.S. 115 H-4

DATE _____

ROCK SAMPLE REPORT

PROJECT 322

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	SAMPLED BY
					Ag	As	Sb	Au				
252415	~75m BELOW GOSSAN ABOVE CAMP WHITE QTR-FELD. APLITE DYKING UP TO 20cm THICK WITH ORG-BRN STAINED QTR XLS AND MINOR BLACK BIOT + HBLD FILMS + CLOTS		GRAB		.2	3	2	2				K.G.
252416	GOSSAN RUSTY WEATHERING BIOT-GRANITE WITH RUSTY WEATHERING APLITE DYKING (VEINING) CLOTS OF Po TR CPY	TR-1			.1	4	2	2				
252417	15cm QTR VEIN IN OC. STRIKING 155°				.1	5	2	5				
252418	SUGARY APLITE DYKE WITH RUSTY PATCHES TR-1% SR TR CPY				.1	2	2	3				
252419	40cm WIDE APLITE DYKE WITH MINOR RUSTY PATCHES.				.1	3	2	4				
252420	WHITE PEARLY QTR 15cm WIDE IN TALUS				.4	4	2	5				

G = GEOCHEM

A = ASSAY

N.T.S. _____

PROPERTY _____

DATE _____

ROCK SAMPLE REPORT

PROJECT _____

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	SAMPLED BY
					Ag	As	Sb	Mo				
52421	RUSTY QTR OVER A 2m WIDTH IN TALUS				18.0	479	7	1120				
52422	APLITE DYKE				.2	2	2	3				
52423	① 10400N 10050E VUGGY + RUSTY WEATHERING QTR VEINING OVER A 1m AREA AT TOP OF RIDGE 1988 RECCO LINE ANOMALY?				.7	1141	2	16				
52424	10400N 10050E QTR FLOAT IN A 10m DIAM. AREA.				3.4	3275	55	172				
52425	RUSTY + LIMONITIC QTR VEINING UP TO 3cm WIDE 1% GALENA 20% AsPy 5% Py (TALUS)	36%			99.1	99999	116	960	8079	40569		
117151	1m WIDE RUSTY ZONE IN PLACE ROCK IS STRONGLY (CLAY/SERICITE) ALT'D INT. 1% FINE DIS. SX ± QTR VEINING. MOD AMOUNT OF MASSIVE SX MTL. AsPy, Py, Sph (CPY) (GA)	2-3%	CHIP	1m								

G = GEOCHEM

A = ASSAY

N.T.S. _____

PROPERTY _____

DATE _____

ROCK SAMPLE REPORT

PROJECT _____

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	SAMPLED BY
117152	SAME LOC AS -51 GRAB OF MASSIVE SX MTL											
117155	DK GREEN COARSE GRAINED AMPHIBOLITE WITH CALCITE, + WHITE APLITE DYKING											
117156	RUSTY WEATHERING QTZ-AsPy-Py VEINING UP TO 3.5cm WIDE											
117157	SHEARED WHITE QTZ VEINING + STRINGERS UP TO 6cm WIDE WITH TR AsPy (SIMILAR TO J.P.'S 24 opt) STRIKE N-S DIP ~60°W											
117158	ORG-BRN WEATHERING APLITE DYKE 1-2% SX STRIKE ~160°		CHIP	1m								
117159	QTZ FLOAT IN 1m RUSTY ZONE STRIKE ~160° SITE OF J.P.'S A-6 & A-7											
117160	⊙ 10063E 9800 N WHITE + MOD ORG-RED SUGARY QTZ VEIN MTL (15cm WIDE) IN TALUS											

G = GEOCHEM

A = ASSAY

N.T.S. _____

PROPERTY _____

DATE _____

ROCK SAMPLE REPORT

PROJECT _____

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	
117161	② 9800N 10300E WHITE SUGARY Qtz																
117162	Qtz Asp. veining in talus from GOPHER HOLE.																
117163	WHITE-LIGHT GREY COARSE GRAINED Q-FELD VEIN 20cm WIDE TR SX TR MUSE.																
117164	AS 117163 BUT WITH TR BIOT		CHIP	40cm													
117165	② BL 10000E 9500N AS 117163 BUT SHEARED 5cm TALUS																
117166	② 9600N 11044E RUSTY STAINED (KIMONITE) APLITE DYKE WITH Qtz FINE VEGGS																
117167	DENSE SKARN ROCK WITH MINOR Qtz VEINLETS, 3-5% SX Py, Asp (Cpy, SPHAL) ~100m GRID NORTH OF 9200N 10900E																

G = GEOCHEM

A = ASSAY

PROPERTY KILLER AU

N.T.S. _____

DATE 1989-07-20

ROCK SAMPLE REPORT

PROJECT _____

AMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	SAMPLED BY
R117226	L 9290N 10000E Qtz vien material. TR PY-ASPY FLOAT. GRAB	TR	GRAB		Ag	As	Sb	Au				D.K.
					.5	5067	2	66				
R117227	L 11300N 10450E TALUS GRAB Very altered granodiorite. Coarse grain Pyrite <5%; Magnetite, Calc - Minor	5%	GRAB		1.2	10	2	12				
R117228	L 10000N 11500E Qtz - silicified vien material Fine grain sulphides, Py, Aspy. Talus	10%	GRAB		.5	17441	2	290				
R117229	L 10000N 11410E TALUS Qtz vien: Minor epidote. Aspy xtls up to 1cm, Tr Py	45%	GRAB		.1	18773	16	146				
R117230	L 9800N 11110E TALUS Hydrothermal vien rock. Euhedral Qtz + calcite, wall very altered and pyritized	30%	GRAB		1.6	30	2	10				

G = GEOCHEM

A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY KILLER AU

N.T.S. _____

DATE 1989-07-20

ROCK SAMPLE REPORT

PROJECT _____

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	SAMPLED BY
2117231	L8650N 10350E Bull Qtz - granular		GRAB		Ag A	As	56	As				D.K
					.2	78	2	5				
2117232	L8600N 9175E Silicified Aspy vein up to 2cm wide. Green Yellow ~~altera~~ alteration Sub-crop	5-10%	GRAB		-6	35780	3	460				
2117233	L10000N 11025E Sub-crop Very altered silicic. & weakly calcareous TR P1	TR	GRAB		.2	331	2	31				
2117234	L10800N 10447E TALUS Dark green alt pyroxene Tr sulphides	TR	GRAB		.2	19	2	4				
2117235	L9815N 10440E FLOAT Qtz vein. Tr aspy	TR	GRAB		3.3	7173	8	105				
2117236	L9500N 10550E o/c 30cm wide 180°-80 Qtz vein. Aspy 25% Calco Tr	TR	GRAB		11.1	59317	62	750				

G = GEOCHEM

A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. _____

PROPERTY KILLER AU

DATE 1959-07-20

ROCK SAMPLE REPORT

PROJECT _____

[illegible]

G = GEOCHEM

A = ASSAY

PROPERTY KILLER AU

N.T.S. _____

DATE July 21/89

ROCK SAMPLE REPORT

PROJECT 322

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	SAMPLED BY
					Ag	As	Sb	Au				
R117251	IRON STAINED GRANODIORITE LARGE TALUS, NO VISIBLE SULPHIDES L 8500 N 10,700 E		RANDOM CHIP.	1M	.1	31	2	1				ED.
R117252	IRON STAINED QUARTZ SHEAR IN TALUS, 1-2% DISS. ASPY. L9200N, 10,525 E	1%	GRAB		6.2	14824	14	122				
R117253	L 9200N, 11,225 E. TALUS STRONGLY ALTERED (YELLOW BROWN) QUARTZ PORPHYRY WITH TR-1% PY & ASPY. SLICKENSIDES.	17%	GRAB		2.6	220	3	13				
R117254	L 7200N, 11,850 E STRONGLY SILICIFIED FINE GRAINED ROCK (VOLCANIC?) WITH DISS. SULPHIDE PYRITE & BORNITE. TALUS.	TR	GRAB		.1	8	2	3				
R117255	L 10405 N 10,025 E. SUBCROP - QUARTZ VEINING IN ALTERED GRANITE. TR OF ASPY. RANDOM GRAB	TR.	GRAB		7.3	1315	4	210				

G = GEOCHEM

A = ASSAY

PROPERTY KILLER AU

N.T.S.

DATE July 21/89

ROCK SAMPLE REPORT

PROJECT 322

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	SAMPLED BY
					Ag	As	Sb	Au				
117256	L 11,100N 10,300E OUTCROP. INTENSELY EPIDOTIZED INTRUSIVE WITH PATCHES OF SERPENTINE. CONTACT BETWEEN MARBLE & INTRUSIVE. TR OF ~~TR~~ MAGNETITE & PHYRROTITE.	TR	CONTINUOUS CHIP	1M	.1	5	2	4				R.D.
117257	L 10,200N 9470E. TALUS - QUARTZ VEIN WITH 15% ASPY. VEIN AT LEAST 3-4" WIDE	15%	GRAB		4.3	472	19	2840				
117258	L 9600N , 11,330E TALUS - QUARTZ VEIN WITH EPIDOTE & GARNET (SKARN). CALCAREOUS TR SULPHIDE.	TR	GRAB		.1	13	2	6				
117259	L 9400N , 10,800E TALUS - BANDED FELSK INTRUSIVE DYKE WITH DISS SULPHIDE. (PYRITE)	TR	GRAB		.3	436	2	21				
117260	L 10,200N , 9400E ALTERED IRON STAINED INTRUSIVE QUARTZ RICH. VERY HEAVY. No VISIBLE SULPHIDES.	*	GRAB		.1	4	2	3				

G = GEOCHEM

A = ASSAY

PROPERTY KILLER AU

N.T.S. _____

DATE July 21/89

ROCK SAMPLE REPORT

PROJECT 322

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	G ☐ A ☐	SAMPLED BY
117261	L8400 N, 11,939 E TALUS - ALTERED INTRUSIVE, MINOR EPIDOTE WITH TR OF DISS. SULPHIDE.	TR	GRAB		.1	56	4	2				
117262	L8400 N, 11,939 E TALUS - WHITE BULL QUARTZ WITH EPIDOTE. NO VISIBLE SULPHIDES	Ø	GRAB		.1	2	2	1				
117263	L89600 N, 11,200 E - OUTCROP IRON STAINED INTRUSIVE 5-10% BIOTITE. NO VISIBLE SULPHIDES		CONT. CHIP.	1M	.3	28	2	1				
117264	L8200 N 11,875 E DARK GREEN DIORITE - GABBRO WITH DISS. PYRITE ON FRACTURE SURFACES	TR	GRAB		.1	6	2	1				

G = GEOCHEM

A = ASSAY

APPENDIX 3

Geophysical Surveys & Discussion of Results

NORANDA EXPLORATION Co. Ltd.
Vancouver, B.C.

MEMO TO: K. Galambas
FROM: T. Wong
DATE: 22 September 1989
SUBJECT: Killer Au Magnetism Survey

During July 1989, a geophysical survey consisting of total field magnetism was completed on the Killer Au grid. The magnetometer survey was completed by MPH Consulting Limited of Toronto, Ontario, using the EDA Omni Plus magnetometer system. Sampling interval along the survey lines was 12.5 m. while survey line separation was 200 m. A 3-point Hanning averaging filter was applied once to the raw magnetic data and this map is presented on Plate 1.

DISCUSSION OF KILLER Au GRID RESULTS

Plate 1 shows 2 prominent magnetically active zones on the grid. The first zone is found at the NE extensions of Lines 10200 - 9200N. The second zone, which is quite noisy, outlines an elongated magnetic package that arcs from L.9800N/9200E to L.8600N/10300E. To refine the noisy data suite, a 5-point moving average filter was applied once on a line-by-line basis to the data of Plate 1. After this, a trend enhancement routine was applied to the NW - SE boundary of the extended lines to outline more clearly the contact of the magnetic zone and the surrounding rock. The final results are shown on Plate 2.

The NE magnetic zone, being more intense than the arc zone, probably represents a different suite of rocks than that along the arc zone. It is also interesting to note that, from the geochemical maps of the survey grid, significant anomalous values of arsenic and gold is found in the vicinity of the NW - SE trending boundary of this zone.

No significant anomalous geochemical gold or arsenic values are encountered in the vicinity of the arc structure except perhaps at L.8400N/10250E. The magnetic sources are quite narrow and possibly shallow. The arc structure may represent the small quartz zones containing arsenopyrite and pyrrhotite that is known to outcrop on the grid or it may represent intrusives. The surrounding magnetically quiet rocks appear to trend northerly from the shape of their contours.

A broad zone of increasing magnetism at the NW edge of the grid appears to represent the regional magnetic gradient.

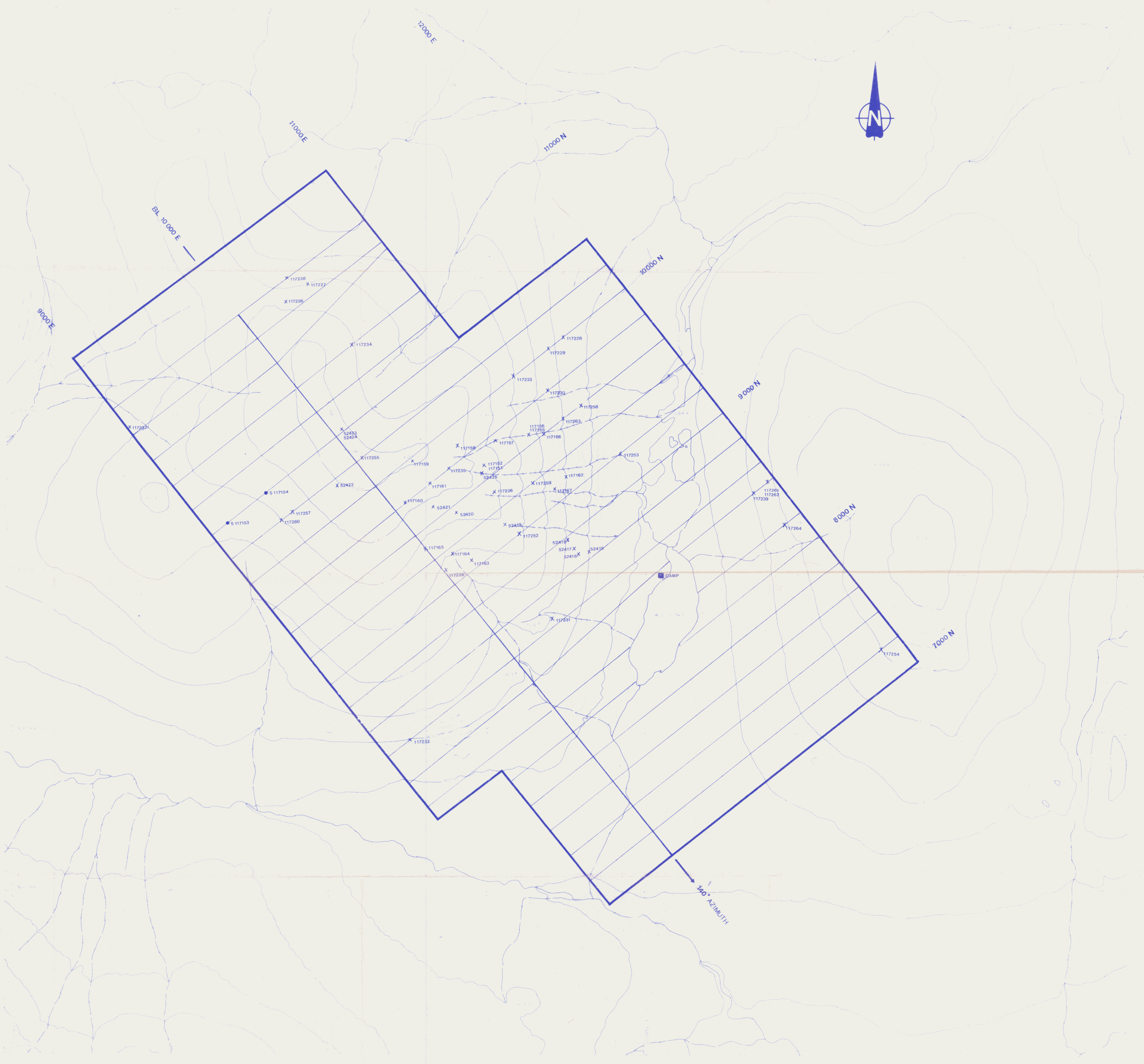
CONCLUSIONS AND RECOMMENDATIONS

The magnetics survey has identified a number of targets that warrant further investigation. This geophysical data and interpretation however must be compiled with the geological (i.e. outcrop locations) and geochemical data and priorities then re-established from the compilation. Based on the geophysical and geological data there are some priorities that can be set at present and these are as follows:

PRIORITY 1: L.9600N/11200E To test the contact zone
 L.9800N/11100E " " "
 Note: the above holes may have to be stepped out to
 include testing of the geochemical anomalies.

PRIORITY 2: L.8600N/10250E To test the geochem. signature
 L.9800N/9400E To test the limb of the arc
 L.9200N/10400E " " "

As mentioned above these are priorities based solely upon the geophysical data and will need to be compiled with other geological information and possibly reprioritized. The other geophysical anomalies not specifically mentioned in this report may be thus enhanced by other information to warrant a priority rating.



209
KILLER AU 115 II 4

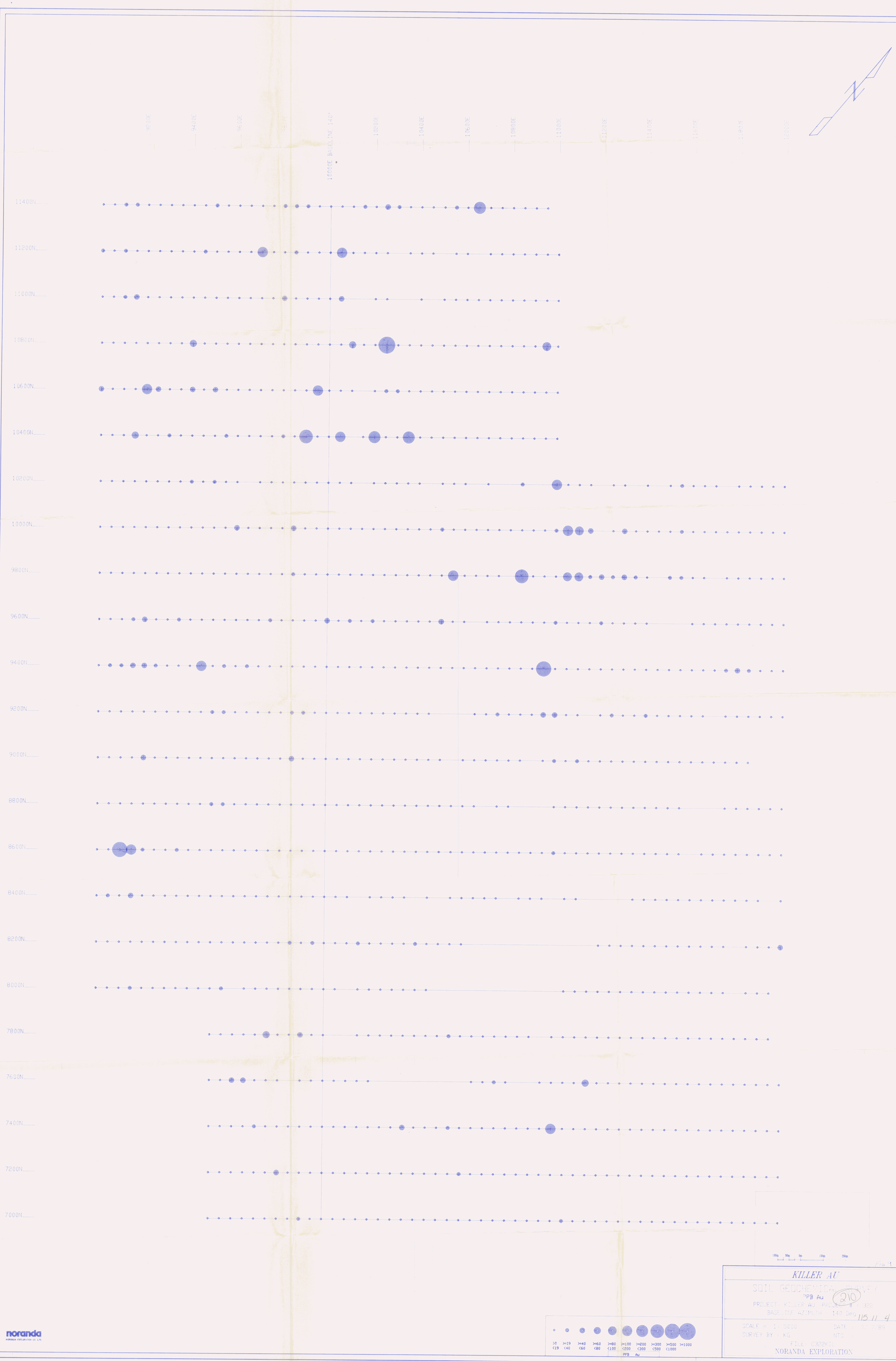
092764

FIG 8

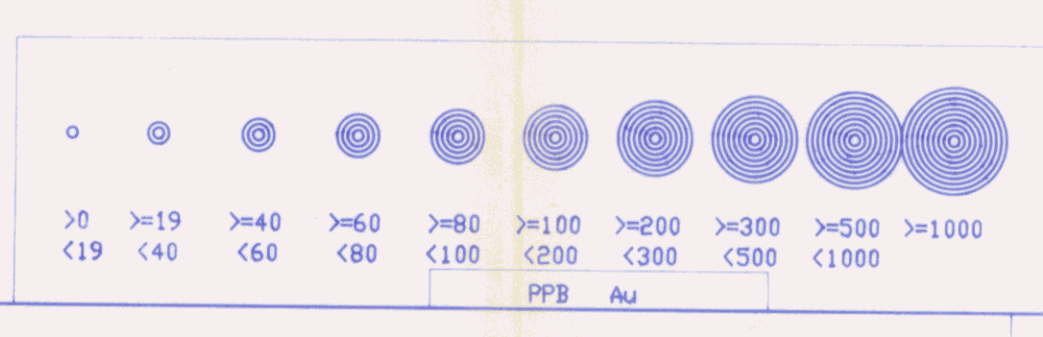
NORANDA

SCALE 1:10000
CONTOUR INTERVAL 25metres

092764

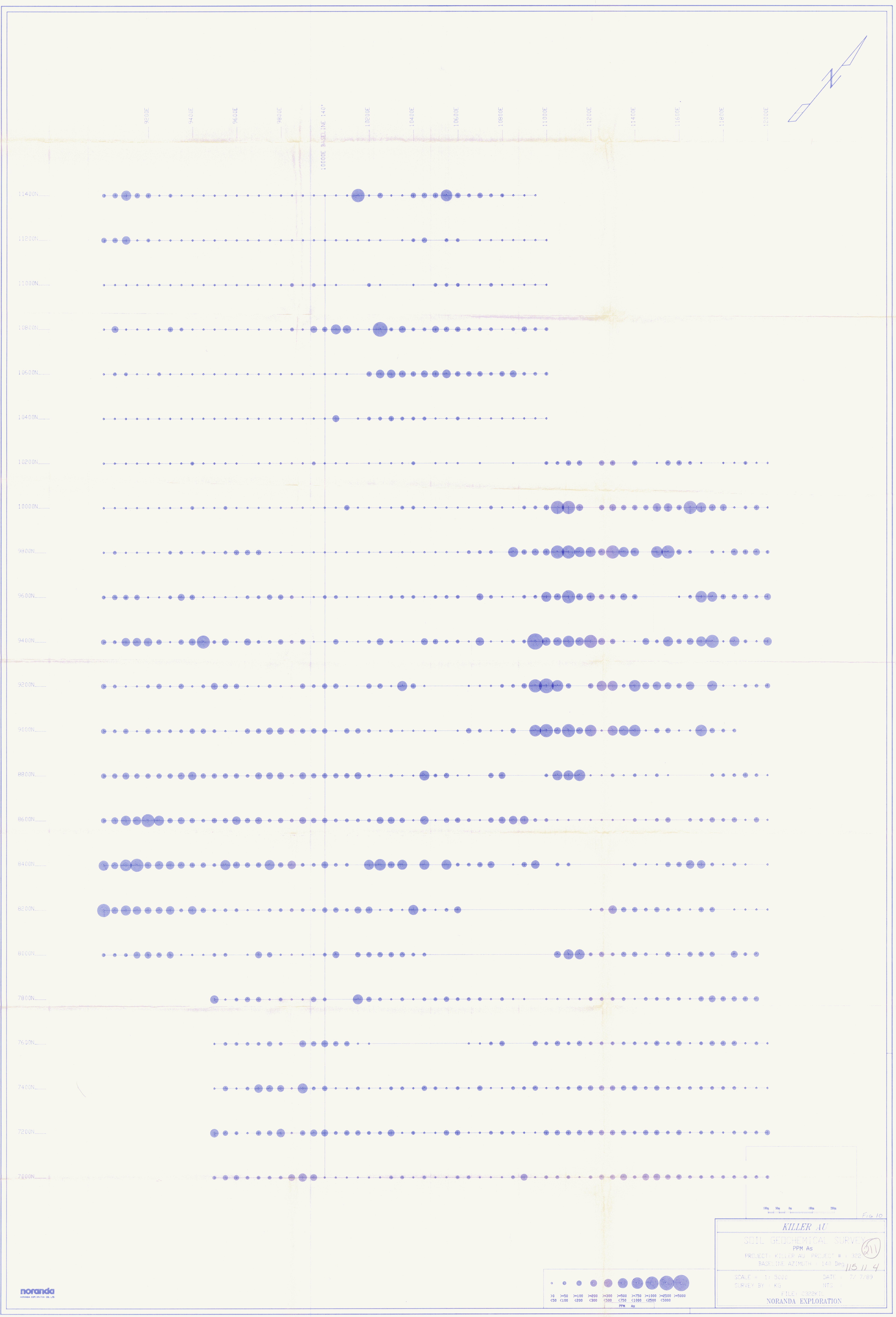


noranda
NORANDA EXPLORATION CO. LTD.



KILLER AU	
SOIL GEOCHEMICAL SURVEY	
PROJECT: KILLER AU	PPB Au
BASOLINE AZIMUTH: 140 Deg	
SCALE = 1:5000	DATE: 11/5/89
SURVEY BY: J. K.	NTS
FILE: C332K01	
NORANDA EXPLORATION	

80923-1
KILLER AU
PROJECT # 322
DATE: 7/7/89
SURVEY BY: KG
FILE: C322X11
NORANDA EXPLORATION



noranda
NORANDA CORPORATION OF CANADA

KILLER AU
SOIL GEOCHEMICAL SURVEY
PPM As
PROJECT: KILLER AU PROJECT # 322
BASELINE AZIMUTH: 140 Deg
SCALE = 1:5000 DATE: 7/7/89
SURVEY BY: KG NTS
FILE: C322X11
NORANDA EXPLORATION

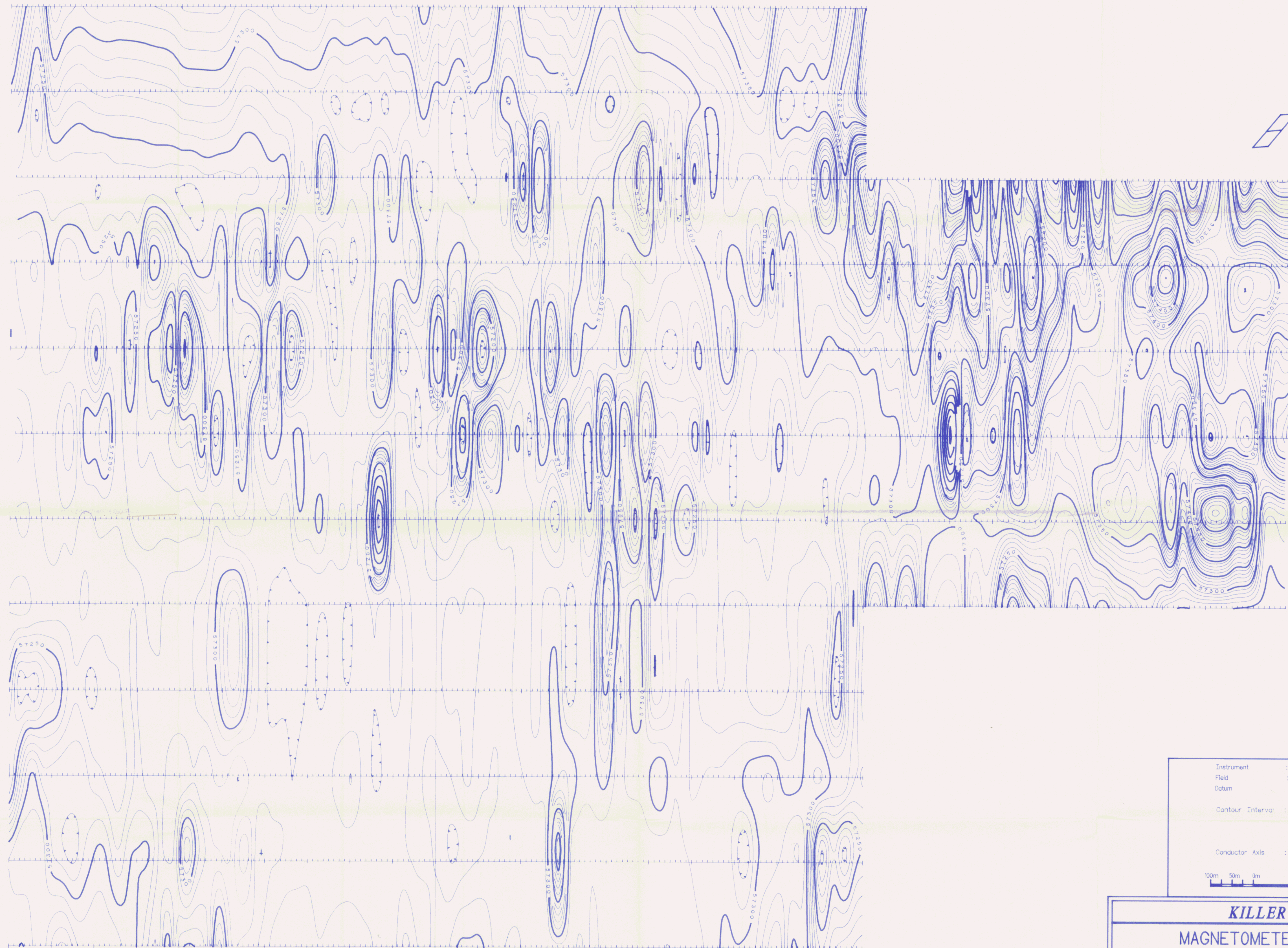
• • • • •
<50 >50 >100 >200 >300 >500 >750 >1000 >2500 >5000
PPM As

09274



KILLER AU	
SOIL GEOCHEMICAL SURVEY	
PPM As / PPB Au	
PROJECT: KILLER AU	PROJECT #: 322
BASELINE AZIMUTH: 140 Deg	
SCALE = 1: 5000	DATE: 7/7/89
SURVEY BY: KG	NTS: 1/4" = 100'
FILE: C322K1L	
NORANDA EXPLORATION	

10600N
10400N
10200N
10000N
9800N
9600N
9400N
9200N
9000N
8800N
8600N
8400N



BASELINE 140°

Instrument : OMNI +
Field : TOTAL
Datum : 0.0 nT
Contour Interval : 10.0 nT
Conductor Axis :
100m 50m 0m 100m 200m

KILLER AU
MAGNETOMETER SURVEY

PROJECT: KILLER AU PROJECT # : 0322
BASELINE AZIMUTH : 140 Deg.

SCALE = 1 : 5000 DATE : 7/21/89
SURVEY BY : MPH NTS :

092764 FILE: MKILL89
NORANDA EXPLORATION