MAP NO.:	**ASSESSMENT REPORT**	X	**DOCUMENT NO:** 092889
	PROSPECTUS		**MINING DISTRICT:** ~~Whitehorse~~ Watson Lake
105 I 13	**CONFIDENTIAL**	X	**TYPE OF WORK:** Geology, Trenching
	OPEN FILE		Geophysics

REPORT FILED UNDER: NORANDA EXPLORATION CO. LTD.

DATE PERFORMED: June-Aug., 1990 **DATE FILED:** Nov 30, 1990

LOCATION: **LAT.:** 62°50'N **AREA:** Itsi Mtn (Ross River)

LONG.: 129°53'W **VALUE $:** 4,000

CLAIM NAME & NO.: BOU 1-8

WORK DONE BY: David J. Kelsch

WORK DONE FOR: NORANDA EXPLORATION COMPANY LTD.

DATE TO GOOD STANDING:	

REMARKS: Located in the Selwynn Mountains NE of Ross River. Property underlain predominantly by argillites and chert. Au with As in foot wall of regional shear zone produced assays of 4.9 gmt gold over 30 meters and 4.06 gmt over 2 meters from trench chip samples. Qtz veins are perpindicular to trend of shear so samples are collected parallel to shear but across vein structures. Other work done includes soil geochemistry and geophysics (mag and EM). 465 soil samples were collected. A 1.1 km zone anomalous in Au + As was outlined. Two magnetic anomalies were outlined, neither of which was associated with the main showing area.

GEOLOGICAL & GEOCHEMICAL REPORT

ON THE

BOU 1 - 8 CLAIMS

Watson Lake Mining District

N.T.S.: 105 I/13

Latitude: 62 50' N

Longitude: 129 53'W

092289

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

D.J. Kelsch
November, 1990

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of $ 4000 .

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

SUMMARY

The Itsi Mountain property consists of eight contiguous mineral claims (Bou 1-8) in the Selwyn Mountains, approximately 160km northeast of Ross River, Yukon. The North Canol Road travels within 32km of the property, from which point the camp is accessed by helicopter chartered from Ross River.

Mineralization in the silicified hanging wall of a shear zone was discovered and staked in 1989. A mineralized area 470 metres horizontal, 200 metres vertical and at least 40 metres wide has been outlined. The first stage of the 1990 program consisted of soil geochem combined with prospecting and geophysics to establish possible extensions to the mineralization outlined in 1989. A total of 465 soil samples 13 rock and 54 trench samples were collected.

The geophysical survey consisted of 16.2 line km of magnetometer surveys and a 1.1 line km of HLEM.

The second stage of the program consisted of trenching the geochem anomalies to outline the mineralized zone. A total of 75 metres in three trenches were dug and 54 trench chip samples were taken. The program was successful in extending the zone for a horizontal distance of 470 metres a minimum width of of 40 metres.

Soil values have shown a gold, arsenic anomaly coincident with the main zone of mineralization. The results show a possible extension in both directions giving a total strike length of 1500 metres of mineralization. Significant trench and

outcrop chip samples to date are 4.9gmt gold over 30 metres along strike (including 14.24gmt over 6m) and 4.06gmt gold over 2 metres(trench samples).

The proposed 1991 work program consists of enlarging the claim group, geochemistry, geophysics, trenching and diamond drilling. The geochem and geophysical surveys will outline mineralized structure(s), trenching will provide surface exposures of mineralization and the drilling program will test the down dip extension of existing targets.

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CHAPTER ONE: INTRODUCTION

1-1: Introductory Statement

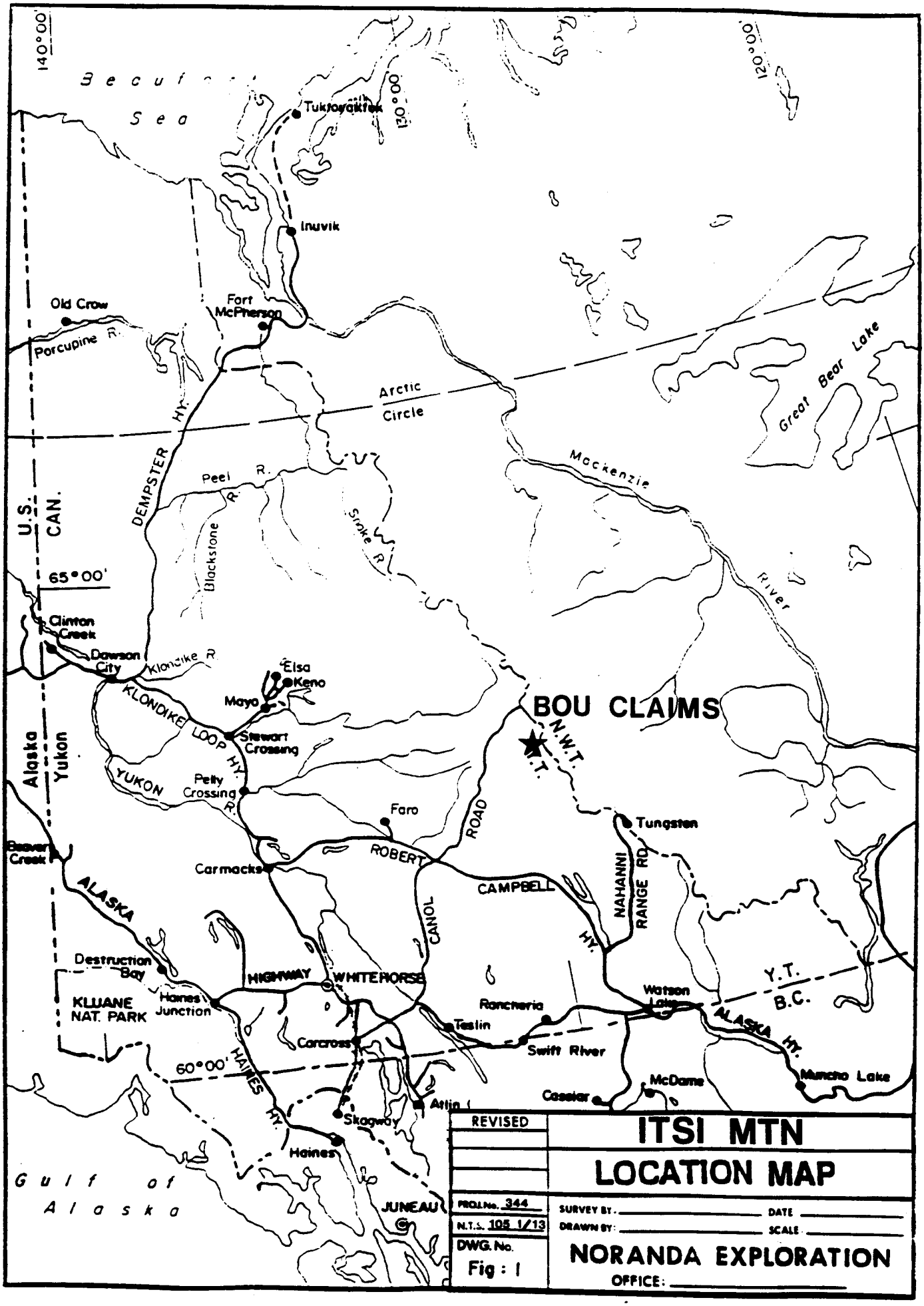
The Bou 1-8 (YB16320-27) are located approximately 160km northeast of Ross River, Yukon. The property, known as Itsi Mountain, was staked in 1989 to cover a previously known gold showing. It is 100% owned by Noranda Explorations Co. Ltd. and all work completed on the property (geological, geochemical and geophysical surveys & trenching program) were conducted by or under the guidance of Norex personnel.

1-2: Location and Access

The Bou 1-8 claim group is located in east central Yukon, 160km northeast of Ross River on the divide of the headwaters of the Pelly and Ross Rivers. The property is located at Latitude 62 50'N, Longitude 129 53'W on the NTS 105 I/13 mapsheet. Access to the property is currently by a 32km helicopter flight from the Jeff Creek pullout 167km north of Ross River on the North Canol Road. Ferry time from the helicopter base at Ross River to Jeff Creek is 50 minutes.

1-3: Physiography and Vegetation

The claims straddle an alpine ridge in the Itsi Range of the Selwyn Mountains. Elevations range between 1400m and 1900m. Northern slopes are often precipitous with good outcrop exposures. Ridge tops and southern slopes have a mixture of talus and grass cover with limited outcrop. Grass and moss are the only vegetation as the entire property lies above treeline.



REVISED	ITSI MTN
	LOCATION MAP
PROJ. No. 344	SURVEY BY: _____ DATE _____
N.T.S. 105 1/13	DRAWN BY: _____ SCALE _____
DWG. No. Fig : 1	NORANDA EXPLORATION
	OFFICE: _____

VANCAL 11926

An alpine creek draining south into the Pelly River provides year round water at an elevation of 1700m. The same creek contains a large snow patch year round at an elevation of 1680m.

1-4: History of the Claims

The property consists of eight contiguous mineral claims located in the Watson Lake Mining District, Yukon Territory.

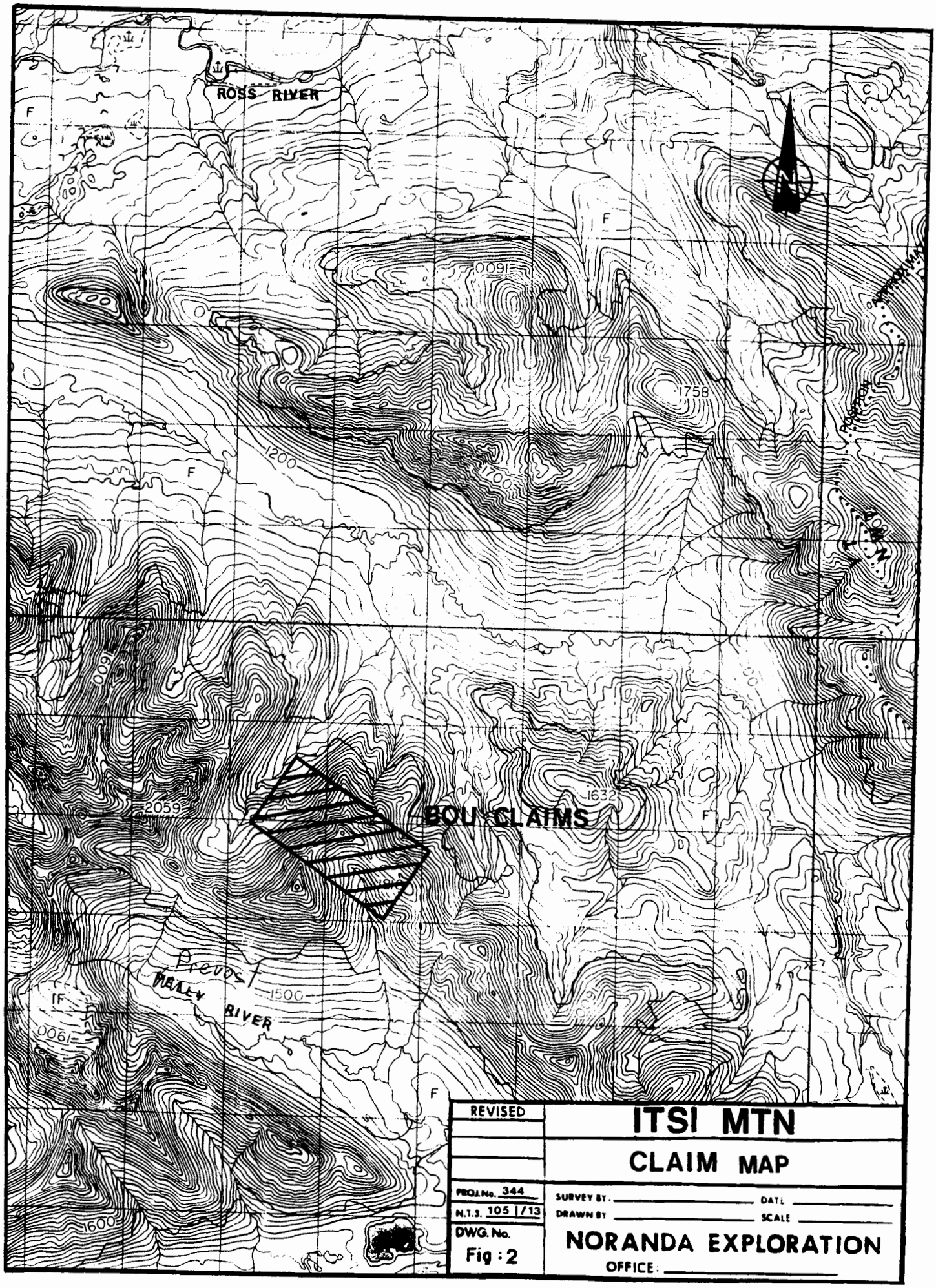
CLAIM NAME	RECORD NUMBER	DATE RECORDED
Bou 1-8	YB 16320-27	Aug. 28, 1989

These claims were staked by Ken Galambos, an employee of Noranda Exploration Company Limited (npl). Noranda is the sole owner of the property. Upon acceptance of this report the claim shall remain in good standing until August 28, 1995.

1-5: Previous Exploration

The Tom deposit at McMillan Pass was the first major discovery in the area of the Bou claims. This base metal deposit is located approximately 40km to the north. Between 1951 and 1970, 7 million tons grading 8% lead, 8% zinc and 83 grams silver per ton were outline by Hudson Bay Explorations and Development Co. Ltd..

Placer Dome Exploration Ltd. currently hold the Clea property 8km to the south of the Bou claims. Originally staked in 1960, this tungsten, copper, zinc skarn has had a total of 715 metres of drilling in 82 holes. No major work has been done on the property since 1981. Reported high grade intercepts were 1.4% WO and 0.2% Cu over 1.62m and 2.3% WO and 1.0% Cu over



REVISED	**ITSI MTN**
	CLAIM MAP
PROJ. No. 344	SURVEY BY. _____ DATE _____
N.T.S. 105 I/13	DRAWN BY _____ SCALE _____
DWG. No. Fig : 2	**NORANDA EXPLORATION**
	OFFICE: _____

2.23m in separate holes. No gold values were reported.

The Bou claims were originally staked as the Sel 1-8 and Sel 70 and 72 fractions. The entire Sel property (Sel 1-212) was originally staked by Selwyn Syndicate as part of a regional prospecting program in 1973. In 1974 and 1976 a base metal oriented program consisting of soil geochemistry and trenching was undertaken by Trident Resources Inc. on the Sel property. A shear zone with associated quartz veins containing arsenopyrite, pyrite and chalcopyrite returned values in trench samples up to 16.5 grams per tonne gold, 46.4 grams per tonne silver and 2.30% copper. Sample intervals were not reported. Due to metal prices at the time, the property was given a low priority for further expenditures and eventually the claims lapsed.

1-6: Work Program

In 1989, Noranda Exploration Co. Ltd. staked the claim group and spent 20 persondays prospecting and chip sampling the main zone. Six outcrop exposures were chip sampled for a total of 48 samples. One exposure (89-04) returned results of 4.9 gmt Au over 30m, including 14.24gmt Au over 6m. This exposure was sampled subparallel to the strike of the main shear but perpendicular to the cross cutting quartz veins in the hanging wall.

The 1990 program consisted of two stages. A preliminary soil geophysics and prospecting stage and a follow-up trenching and prospecting stage. A total of 51 persondays were spent on the property. A flagged grid was established with a picketed

baseline. A total of 465 soil geochem samples and 13 rock samples were taken on the property. 16.2km of magnetometer survey and 1.1km of HLEM were also completed on the grid. Trenching was carried out with a Kubota KH5 excavator. Three trenches totalling 75 metres were completed. A total of 54 rock chip samples were taken in the mineralized sections of the trenches.

Reconnaissance work was also done in the immediate area of the claim block. Traverses totaling 9.3km were walked with 14 rock and 140 soil samples taken.

Personnel involved in the 1990 program included:

David Kelsch	Geologist	Whitehorse, Yukon
Daniele Heon	Geologist	Renfrew, Quebec
Bill Burton	Assistant	Vancouver, B.C.
Eeric Lilles	"	Whitehorse, Yukon
Natalie Hachey	"	St. Bruno, Quebec

Contractors:

Alta Engineering (Kubota)	Vancouver, B.C.
Trans North Helicopters	Whitehorse, Yukon
Amerok Geophysics	" "
Ross River Service Centre (Expediting)	Ross River, Yukon
Northern Analytical Laboratories	Whitehorse, Yukon

CHAPTER TWO: GEOLOGY

2-1: Regional Geology

The property area has been mapped by the Geological Survey of Canada and information has been published on sheet 8-1967, Geology of the Nahanni and map 1398A, MacMillan River.

The Bou 1-8 claims lie within the Selwyn Basin near the western margin of the early PreCambrian MacKenzie platform. The area is underlain by the Ordovician to Silurian Road River Formation consisting of black graptolitic shàles and cherts. Several small (1-10km) intrusive stocks are exposed in the area. They are Cretaceous, medium grained quartz monzonites. The Clea property 8km to the south is directly related to one of these Cretaceous intrusives. The Clea deposit is a tungsten, copper, zinc skarn with no reported gold values. Within the Selwyn Basin, 40km to the north is the McMillan Pass Tom deposit. It contains 7 million tons of 16% combined lead, zinc with 83gmt silver. This area has been productive for exploration companies over the past 40 years.

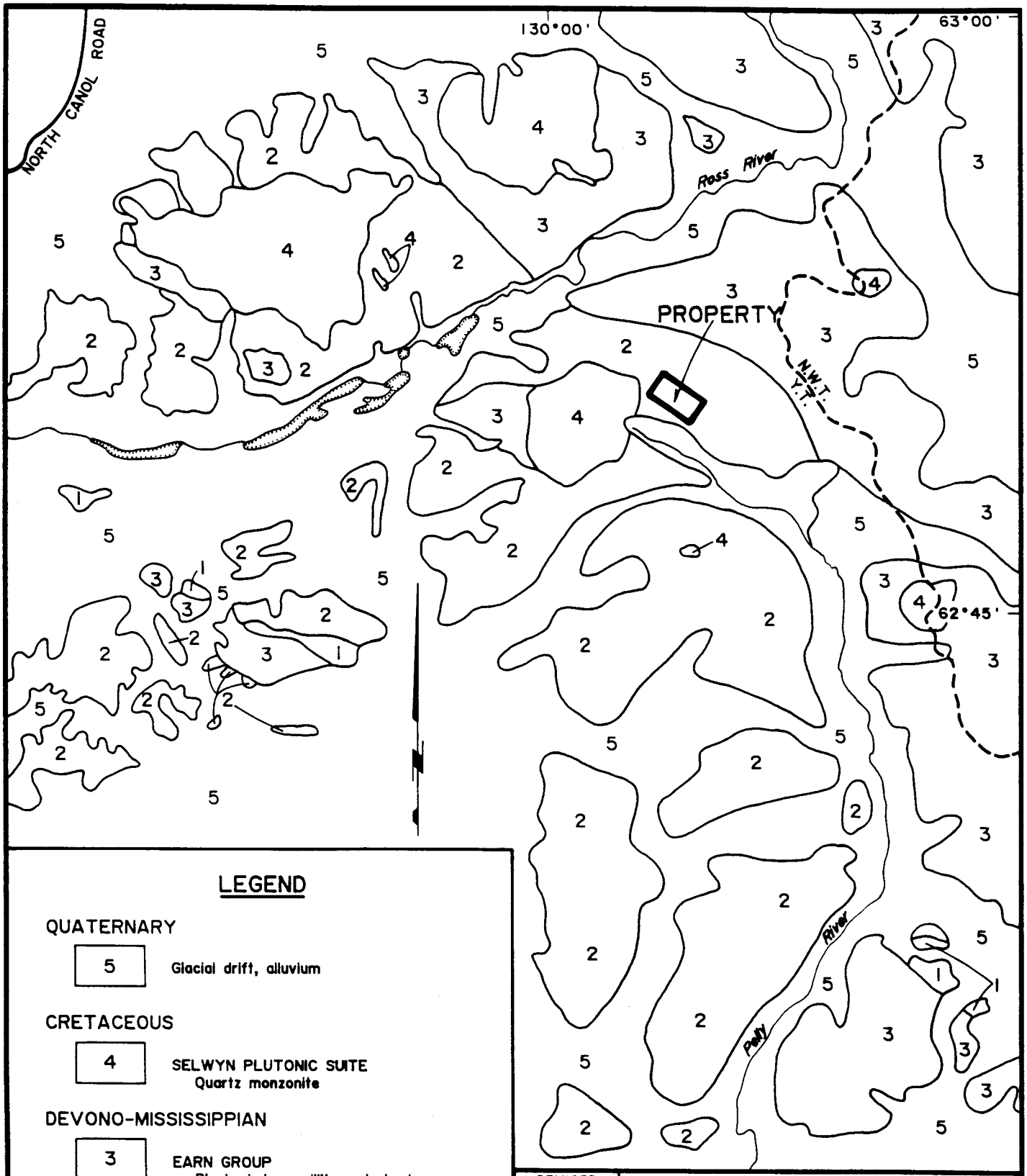
2-2: Property Geology

Outcrop exposures on the property are limited to ridge tops, northerly facing slopes and some eroded drainage walls.

The stratigraphy on the property consits of graphitic-manganiferous shales, argillite, chert and cherty argillites that strike approximately 160 degrees and lie nearly vertical.

A large shear zone cuts the centre of the property. It

strikes at 118 degrees and dips 75 degrees to the northeast. There is associated quartz veining and silicification in the hanging wall. The host to the shear structure is a cherty argillite with bedding subparallel to the shear. A vertical fault trending north-south bisects the property. The property has only had reconnaissance level mapping and hence the geological setting is not well understood.



LEGEND

QUATERNARY

5 — Glacial drift, alluvium

CRETACEOUS

4 — SELWYN PLUTONIC SUITE
Quartz monzonite

DEVONO-MISSISSIPPIAN

3 — EARN GROUP
Black shale, argillite and chert

ORDOVICIAN AND SILURIAN

2 — ROAD RIVER GROUP
Black graptolitic shale and chert

CAMBRO-ORDOVICIAN

1 — RABBITKETTLE FORMATION
Shaly limestone, calcareous phyllite

MODIFIED AFTER GSC MAP 19-1967 and 8-1967

REVISED

ITSI MOUNTAIN

REGIONAL GEOLOGY

PROJ. No. 344
N.T.S. 105 I/13
DWG. No. Fig 3

SURVEY BY: D. KELSCH — DATE: NOVEMBER 1990
DRAWN BY: HANDESIGN — SCALE: 1 : 250,000

NORANDA EXPLORATION
OFFICE: WHITEHORSE

VANCAL 11927

CHAPTER THREE: GEOCHEMISTRY

3-1: Soil Geochemistry

A flagged grid was established over the property with 100m line spacing. Sample intervals were 50m except within 150m either side of the baseline where the interval was tightened to 25m. Samples along the top of the ridge were taken from the "B" horizon. Samples taken along steep slopes were occasionally talus fines but in most cases a somewhat transported soil was sampled. No well defined soil profile exists on the southern slopes. Soil lines on northern slopes were in some cases terminated prematurely due to steep terrain.

A total of 465 soils were collected from the survey. The samples were placed in gusseted Kraft wet strength sample bags and shipped to the Noranda Lab in Vancouver for preparation and analysis. Analysis was done with a 30 element ICP package. Gold and mercury were determined by atomic absorption.

The survey outlined a 1.1km zone highly anomalous in Au (up to 5630ppb) and As (up to 31352 ppm). This anomaly coincides directly with the main mineralized structure. Anomalous gold values are $\geq$20ppb. Anomalous arsenic is $\geq$500ppm.

SOIL STATISTIC SUMMARY

# samples	Cu	Ag	As	Cd	Sb	V	Au	Hg
High	4725	35.7	31352	923.3	981	5596	5630	22000
Low	5	0.1	2	0.2	2	8	1	30
Stnd. Dev	333.0	4.3	2381	46.4	69.6	714.5	421.7	1545
Avg+0-0.5 S.D.	340	173	432	443	315	185	444	419
0.5-1 S.D.	102	229	9	12	113	214	6	17
1-2 S.D.	12	46	11	6	20	48	4	13
2-3 S.D.	4	12	5	1	11	7	4	7
>3 S.D.	7	7	8	3	6	11	7	9
Simple Avg.	237.9	3.9	789.6	11.0	44.3	577.0	81.0	604.3
Reduced Avg.	205.8	3.6	539.1	8.2	38.9	504.1	39.3	438.2

3-2: Rock Geochemistry

A total of 13 rock samples of both outcrop and float were collected on the property. The samples were analyzed for gold by either Northern Analytical Labs in Whitehorse or the Noranda Lab in Vancouver. All samples were processed by the Noranda Vancouver Lab using their 30 element ICP package.

Two samples representative of the main quartz veining were contained 2.8gmt gold and 1.0gmt gold. A third sample of quartz, massive arsenopyrite and scorodite 800 metres along strike to the southeast from the main zone returned a value of 1.8gmt gold.

CHAPTER FOUR: GEOPHYSICS

During September, a magnetometer survey was completed on the property. The survey was carried out under contract by Amerok Geophysics Limited. The magnetometers employed on the survey were EDA Omni 4 units consisting of two field magnetometers and one recording base station magnetometer. The total field readings were recorded at 12.5 metre intervals on lines that were nominally 100 metres apart. The survey was successful in indentifying two magnetic anomalies. One at L113+00E, 199+50N and a second magnetic high at L103+00E, 202+00N. No magnetic signature could be directly related to the known area of the main zone.

CHAPTER FIVE: TRENCHING

The purpose of the trenching program was to achieve bedrock chip samples across the entire width of mineralization, determine a more accurate strike direction and define a greater strike length to the mineralized structure in the southeasterly direction.

A total of 75 metres were dug in three trenches. A Kubota KH5 and operator was contracted through Alta Engineering of Vancouver, B.C.. The excavator was slung into the property in four modular pieces and assembled on site. A total of 11 days were spent trenching. This included assembly and disassembly of the excavator.

Trench depth ranged up to 2.0 metres depth were permafrost was encountered. Typically bedrock was encountered at approximately 1.0 metres. Side wall sluffing and groundwater did not present a problem in the 3 trenches dug during the program. Mobilization of the excavator along the ridge required very little ground preparation resulting in relatively quick moves between sites.

TRENCH: I-T-90-01

TARGET: Expose the shear zone and associated mineralization. Determine width of mineralization.

WORK PROGRAM: 48 metres of trench were completed across the target. 44 chip samples were taken.

RESULTS : Mineralized zone, open to the northeast, consists of silicified argillites; returned strongly anomalous values across the entire width of mineralization (775ppb Au over 40m). Two shears were exposed. Gold values across the shears were 1.58gmt over 1.5m and 3.01gmt over 3m, respectively.

TRENCH: I-T-90-02

TARGET : Expose the southwestern contact between the argillite and the shear zone and determine an accurate strike.

WORK PROGRAM: 7 metres of trench were completed across the target. 4 chip samples were taken.

RESULTS : 1.37gmt Au over 2m at the contact, the contact strikes 118 degrees dip 75 degrees northeast.

TRENCH: I-T-90-03

TARGET : Trench a soil and rock geochemical anomaly along strike to provide an extension and width of mineralization.

WORK PROGRAM: 20 metres of trench were completed across the

northeastern edge of the anomaly. 6 chip samples were taken.

RESULTS : Exposed a north-south trending vertical fault. The trench was stopped just as it reached mineralization due to extreme weather conditions.

CHAPTER SIX: MINERALIZATION

Mineralization on the property consist of a shear zone containing gold bearing quartz arsenopyrite mineralization.

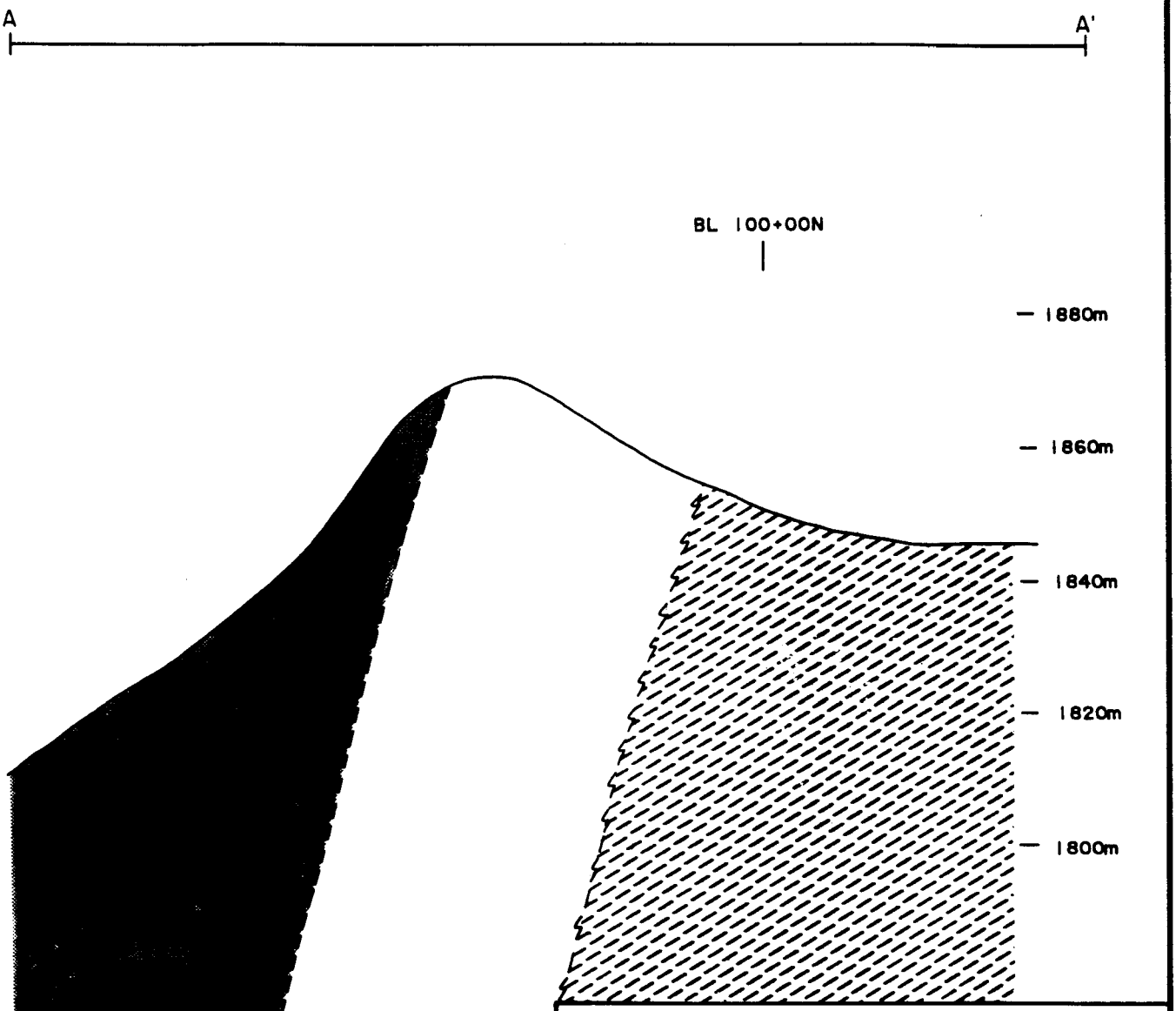
The shear zone occurs within a cherty argillite. It strikes sub-parallel to the bedding (118 degrees) and dips 75 degrees to the northeast. The mineralization is exposed in outcrop and in trenches for a horizontal strike length of 470 metres. A northwestern precipitous slope reveals a down dip extent of 200 metres. It is 40 metres at its greatest exposed width, (Trench 90-01) however the northeastern limit of mineralization has not been exposed. The northwest extension of the shear is buried in talus whereas the southeast extension appears to be down dropped by a north-south trending fault, leaving it covered in overburden.

Along strike, 750m to the southeast, similar mineralized rock can be found in scree. A sample returned a value of 1.82gmt gold and 91gmt silver.

Trench 90-01 uncovered two shears in the southern end, each 2 metres in width. They consist of quartz fragments in a clay matrix. One of the shears returned values of 4.06gmt over 2 metres. These shears are both covered in talus to the northwest.

A series of quartz veins extend from the shear at roughly 90 degrees into the hanging wall. Their orientation flattens down dip. These veins are brecciated and contain clasts of bleached argillite. The intensity of the veining increases down dip.

The quartz veining is grey to white and contains massive and disseminated arsenopyrite with lesser amounts of pyrite and traces of chalcopyrite. Open space hydrothermal textures such as vugs with drusy quartz become more abundant down dip. Copper content and gold values both increase down dip as well. Values as high as 4.9gmt gold over 30 metres (includes 14.24gmt gold over 6 metres) were obtained lower in the section. These results are from the 1989 work program. The samples were taken subparallel to strike but perpendicular to the quartz veining.



LEGEND

- Mineralized Zone — Quartz veining, arsenopyrite, pyrite (chalcopyrite)
- Argillite
- Argillite, chert

REVISED

ITSI MOUNTAIN

SECTION A - A'
L109+20E
LOOKING SOUTHEAST

PROJ. No. 344
N.T.S. 105 I/13
DWG. No. Fig 4

SURVEY BY: D.J.K. DATE: NOVEMBER 1990
DRAWN BY: HANDESIGN SCALE: 1:1000

NORANDA EXPLORATION
OFFICE: WHITEHORSE

VANCAL 11927

CHAPTER SEVEN: CONCLUSIONS & RECOMMENDATIONS

The 1990 program was successful in establishing a grid and defining a multi-element soil anomaly coincident with gold mineralization. Soil results have yielded the possible extension of mineralization another 750m to the southeast and 400m to the northwest. The soil grid should be extended with sampling concentrating on potential further extensions of the zone in both directions.

Prospecting revealed a scree sample on L118E which returned a gold value of 1.82gmt on the southeastern edge of the claim block. The claim block should be extended in all directions primarily to cover any possible extensions such as the anomaly on L118E.

Trenching was successful in exposing the mineralized zone from the southwest contact northwards and confirmed an accurate strike as well as providing positive evidence for a southeast extension. As a result of harsh late season climatic conditions, Trench 90-03 was terminated prematurely and as a result not sampled properly. During the next field program this trench should be extended to cross the entire width of the zone and resampled. Trench 90-01 was stopped in permafrost and should also be deepened and extended. Approximately 10 metres of ground was disturbed past initial permafrost contact. This ground will thaw readily over the course of the summer allowing bedrock to be exposed easily. The anomaly on L118E should be trenched to test

its economic potential. A drill program should also be undertaken to test the down dip extension of existing targets.

Respectfully submitted by;

D Kelsch

David Kelsch
Geologist

REFERENCES

Gordey, S.P. 1980: Scientific and Technical Notes in Current Research, Part A; Geol. Surv. Can., Paper 80-1A.

Gordey, S.P. 1981: Scientific and Technical Notes in Current Research, Part A; Geol. Surv. Can., Paper 81-1A.

Holcapek, F. 1974 Report on the Sel 1-212 Mineral Claims 110 Miles East of Ross River, Yukon Territory for Trident Resources Incorporated.

Holcapek, F. 1976 Report on the Sel Mineral Claims Watson Lake Mining District, Yukon for Trident Resources Incorporated (N.P.L.)

STATEMENT OF COSTS

LABOUR	: 51 person days @ $150/day	$ 7650.
SUPPLIES & LODGING	: 60 person days @ $50/day	3000.
GROUND TRANSPORT	: rental & fuel	2000.
AIR TRANSPORT	: helicopter 19.5 hrs @ $750/hr	14625.
CONTRACTORS	: Geophysics Mag 16.2km @ $350/km	5670.
	HLEM 1.1km @ $350/km	385.
	Trenching Excavator 11 days @ $700/day	7700.
GEOCHEM ANALYSIS	: 465 soil smpls @ $15/smpl	6975.
	67 rock smpls @ $20/smpl	1340.
Report Writing, Drafting, etc.		2500.
	TOTAL	$51845.

STATEMENT OF QUALIFICATIONS

I, David Kelsch, of the City of Whitehorse, Yukon do hereby certify that:

1. I have been an employee of Noranda Exploration Company, Limited (npl) in Whitehorse since May, 1990.

2. I have completed the geological requirement for a B.Sc. in Geology at the University of British Columbia.

3. I have been active in the mineral exploration industry for the past six years primarily in the Northern Cordillera.

4. I supervised and participated in field work done on the Bou Claims in 1990.

David Kelsch
Geologist

APPENDIX I

SOIL SAMPLE GEOCHEMICAL RESULTS

ACME ANAL AL LABORATORIES LTD. 852 E. HASTINGS ST. VA JVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(6 253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE 1151 (LH)

Noranda Exploration Co. Ltd. PROJECT 9008-058 344 File # 90-3501 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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
P 138001	10	61	39	181	.1	37	13	863	6.51	62	5	ND	1	41	1.0	5	2	87	.12	.117	16	35	.60	278	.06	2	2.42	.01	.25	1	2	80
P 138002	3	113	23	179	.1	53	27	494	7.03	62	5	ND	10	25	.7	7	2	38	.10	.123	45	36	.76	97	.08	2	2.62	.01	.24	1	3	40
P 138003	2	139	37	186	.3	56	26	957	6.97	26	5	ND	5	122	.8	12	2	81	.81	.140	13	48	2.84	193	.17	4	4.09	.04	.67	1	8	50
P 138004	8	97	27	205	.3	78	33	1358	7.25	29	5	ND	5	165	1.9	16	2	64	.70	.051	8	44	2.88	353	.10	2	4.75	.04	.59	1	4	60
P 138005	6	25	102	64	2.3	23	2	127	1.79	25	6	ND	1	83	.2	4	2	79	.07	.214	21	19	.10	340	.01	3	.47	.01	.11	1	7	130
P 138006	154	196	35	576	7.6	170	10	254	7.68	223	20	ND	6	109	3.9	47	2	627	.36	.769	27	111	.50	121	.03	4	2.55	.02	.41	1	7	150
P 138007	27	95	22	441	.9	102	7	150	4.74	53	5	ND	1	31	2.5	8	2	230	.11	.158	13	66	1.02	252	.03	2	1.99	.01	.16	1	11	100
P 138008	2	33	18	124	.2	40	11	492	3.64	18	5	ND	1	46	.9	4	2	32	1.60	.122	21	22	1.04	316	.02	5	1.64	.01	.18	1	7	90
P 138009	4	47	16	162	.2	48	18	500	5.56	33	5	ND	1	26	.6	6	2	66	.49	.158	22	57	1.41	439	.03	7	2.47	.01	.26	1	4	70
P 138010	3	28	8	138	.6	43	5	136	2.07	30	5	ND	1	14	.2	3	2	53	.07	.149	10	34	.39	223	.01	4	1.35	.01	.08	1	2	60
P 138011	20	55	13	690	.8	130	7	179	2.53	52	5	ND	1	59	3.3	9	2	173	.55	.246	17	55	.98	332	.01	5	1.38	.01	.18	1	3	110
P 138012	9	16	9	118	.2	25	2	50	1.09	21	5	ND	1	10	.2	5	2	84	.03	.077	7	13	.09	103	.01	4	.49	.01	.06	1	1	50
P 138013	9	15	12	92	.4	20	3	69	1.29	20	5	ND	1	22	.2	3	2	66	.03	.103	12	10	.06	147	.01	3	.61	.01	.07	1	1	40
P 138369	9	137	48	351	.8	120	32	1319	7.63	44	5	ND	4	188	2.2	13	2	80	.61	.210	16	50	2.18	509	.07	4	3.01	.02	.35	1	6	170
P 138434	6	197	93	314	.3	83	62	1009	10.05	188	6	ND	5	56	.9	17	9	65	.06	.161	30	45	.84	183	.09	4	3.10	.02	.30	1	5	90
P 138435	9	262	116	367	.2	82	74	2232	10.46	189	5	ND	7	52	.4	19	7	61	.05	.197	30	40	.79	223	.09	2	2.91	.02	.43	1	5	100
P 138436	4	78	27	219	.6	68	29	1391	7.94	30	5	ND	3	116	1.2	15	2	77	1.09	.100	14	46	3.22	201	.19	3	4.56	.11	.64	1	4	80
P 138437	6	108	40	208	1.1	64	19	521	6.83	49	5	ND	3	76	1.5	15	2	118	.19	.124	9	70	2.41	542	.16	2	4.23	.03	.32	1	9	90
P 138438	3	51	25	172	.2	53	14	1400	5.07	28	5	ND	1	34	.6	12	2	61	.10	.076	9	42	2.47	275	.10	2	3.79	.01	.18	1	4	100
P 138439	10	241	97	375	1.3	132	20	1807	9.94	143	5	ND	1	195	1.0	18	5	156	.32	1.022	27	57	1.03	158	.04	5	2.02	.01	.40	1	8	730
P 138440	63	67	51	303	5.8	67	6	174	5.27	111	7	ND	1	195	1.0	18	2	259	.54	.802	41	67	.14	340	.01	5	1.24	.01	.27	1	3	480
P 138441	40	104	54	99	1.5	31	3	77	9.83	341	88	ND	7	111	.7	29	2	652	.28	2.859	29	169	.10	184	.01	3	2.55	.02	.21	1	9	460
P 138442	47	240	39	330	3.0	136	9	187	12.58	218	14	ND	4	354	3.6	20	2	598	.20	1.346	31	130	.59	157	.08	4	6.59	.10	.30	2	20	200
P 138443	133	336	49	64	4.8	29	2	95	9.87	162	5	ND	5	79	1.1	36	4	422	.04	.376	27	75	1.06	205	.05	3	3.49	.01	.34	1	10	140
P 138726	3	20	23	93	.1	15	4	175	2.60	36	5	ND	2	33	.2	5	3	47	.19	.079	14	29	.40	404	.10	2	3.23	.01	.18	1	3	80
P 138727	9	23	6	109	.4	18	3	89	1.82	28	5	ND	1	26	.8	3	2	76	.22	.142	7	9	.10	149	.03	2	1.08	.01	.07	1	1	120
P 138728	6	39	15	90	.3	19	3	171	3.50	43	5	ND	1	28	1.1	5	2	89	.08	.126	11	37	.43	330	.05	2	1.74	.01	.11	1	1	80
P 138729	6	53	16	217	.3	49	8	227	3.40	102	5	ND	1	27	.4	8	2	90	.08	.059	12	48	.96	894	.09	2	2.42	.01	.13	1	2	40
P 138730	1	51	43	353	.8	67	15	1523	3.52	46	5	ND	4	51	4.0	4	2	32	.64	.051	15	38	7.51	13791	.09	31	3.51	.02	.36	1	5	50
P 138731	21	121	32	180	1.6	34	5	355	8.58	357	15	ND	5	116	1.3	24	2	135	.37	.431	15	54	1.32	586	.09	2	3.43	.03	.52	1	14	30
P 138732	12	44	22	141	.7	35	3	170	3.72	66	6	ND	1	59	.4	6	2	208	.17	.196	18	91	.35	358	.09	2	1.60	.01	.11	1	2	50
P 138733	13	52	12	164	.3	43	3	56	2.08	56	5	ND	1	11	.5	12	2	141	.03	.056	6	12	.06	361	.02	3	.45	.01	.03	2	2	20
P 138734	4	81	22	116	.9	24	6	247	8.14	54	6	ND	1	17	1.6	8	3	74	.03	.172	13	55	.62	438	.03	2	2.83	.01	.10	1	5	90
P 138735	64	101	60	360	.8	98	8	261	4.34	132	11	ND	1	25	1.4	23	2	354	.04	.165	19	32	.08	429	.01	3	.85	.01	.09	1	1	70
P 138736	2	34	18	112	.1	31	9	573	3.93	32	5	ND	1	23	.2	8	2	88	.51	.101	9	34	2.22	557	.04	3	2.06	.01	.04	1	3	40
P 138737	5	48	29	82	.1	29	10	492	5.14	45	5	ND	1	25	.2	7	2	103	.12	.105	12	52	.93	463	.17	3	2.95	.01	.17	1	3	80
STANDARD C/AU-S	19	62	37	133	7.3	72	31	1053	3.97	42	17	7	37	52	18.9	15	21	55	.51	.094	36	61	.85	179	.07	36	1.89	.06	.14	11	45	1300

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-P17 Soil P18 Rock AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: AUG 14 1990 DATE REPORT MAILED: Aug 23/90 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
P 138738	3	132	18	204	.7	65	13	287	10.05	41	5	ND	5	71	.2	15	2	66	.26	.064	9	73	1.53	428	.17	2	5.49	.02	.38	1	14	40
P 138739	4	87	41	232	.5	40	10	299	8.50	114	5	ND	1	19	.4	36	2	61	.07	.154	11	41	.71	166	.03	2	2.10	.01	.10	1	9	80
P 138740	3	196	54	208	.9	43	9	378	13.49	220	6	ND	6	51	.2	51	2	53	.06	.157	17	53	.93	237	.08	5	3.85	.02	.23	1	15	70
P 138741	17	203	17	459	1.4	109	14	311	8.70	100	5	ND	1	81	1.4	13	2	155	.12	.173	15	75	.60	961	.05	2	4.34	.01	.13	1	9	100
P 138742	43	157	24	596	1.2	115	19	750	7.84	136	5	ND	1	110	1.6	12	2	310	.31	.184	10	37	.46	668	.04	2	3.17	.01	.08	1	9	80
P 138743	2	61	25	150	.5	34	18	1236	4.04	98	5	ND	1	221	1.3	6	2	35	4.74	.188	13	19	4.36	383	.03	4	2.25	.01	.07	1	19	90
P 138744	17	212	31	272	.8	76	32	528	14.27	146	6	ND	6	284	.2	15	2	107	.28	.267	17	50	1.11	448	.14	3	6.13	.02	.39	1	17	70
P 138745	9	241	29	239	.9	83	14	349	8.31	62	5	ND	2	197	.3	11	2	164	.34	.281	16	63	1.12	288	.11	2	4.79	.01	.36	1	21	40
P 138746	12	144	31	380	.6	95	31	364	10.76	657	7	ND	3	129	1.3	15	2	125	.20	.163	16	66	1.14	236	.06	2	4.41	.01	.23	1	8	50
P 138747	5	82	27	265	.5	51	31	1697	6.57	82	5	ND	1	258	.2	8	2	64	.45	.129	14	43	1.07	437	.07	3	3.85	.01	.29	1	2	110
P 138748	9	128	50	406	.6	74	35	1790	8.67	82	5	ND	1	146	1.4	10	2	83	.27	.255	14	51	1.07	447	.09	2	4.44	.02	.24	1	4	100
P 138749	1	85	37	239	.3	60	50	3545	9.81	75	5	ND	8	39	.7	10	2	45	.13	.082	34	51	1.22	251	.06	2	4.46	.01	.33	1	2	250
P 138750	8	237	67	367	.6	69	59	2110	11.32	130	5	ND	5	67	.2	15	2	72	.07	.157	29	57	1.10	286	.10	2	4.25	.02	.43	1	4	110
P 138751	51	358	44	4292	7.5	446	22	574	4.51	273	17	ND	4	216	67.5	66	2	500	1.57	.760	31	107	.20	1465	.01	14	1.08	.01	.26	1	7	280
P 138752	39	161	278	1081	12.0	201	8	136	3.98	178	18	ND	1	270	8.9	170	4	654	.96	.787	52	148	.09	1144	.01	8	1.05	.01	.26	2	27	290
P 138753	28	47	39	205	1.9	34	3	36	1.82	39	5	ND	1	162	.2	20	2	322	.07	.200	18	43	.03	577	.01	6	.61	.01	.13	4	6	230
P 138754	90	644	63	781	13.0	546	9	299	5.48	216	39	ND	4	647	8.5	87	2	1969	3.39	1.895	38	251	.17	127	.02	33	2.53	.01	.65	1	5	330
P 138755	21	162	37	147	5.7	50	2	38	1.72	55	10	ND	1	155	2.8	15	2	559	.38	.362	19	109	.08	1037	.01	7	.83	.01	.16	1	4	470
P 138756	40	136	13	995	4.4	285	7	108	2.38	67	7	ND	1	96	4.4	23	2	435	.93	.381	23	118	.20	1763	.01	14	.99	.01	.22	1	6	720
P 138757	13	44	35	193	3.9	45	4	43	1.20	35	5	ND	1	95	1.3	16	2	124	.40	.271	13	32	.05	688	.01	7	.43	.01	.08	2	2	480
P 138758	47	415	200	262	11.9	78	4	61	2.97	319	18	ND	4	358	5.4	85	2	610	.95	1.107	25	101	.07	918	.01	15	1.48	.01	.25	2	21	860
P 138759	122	220	113	91	8.3	19	2	41	3.10	363	17	ND	4	511	6.0	144	2	719	.29	.944	30	62	.05	407	.01	9	1.20	.01	.21	3	26	760
P 138760	79	108	687	188	7.3	31	2	43	3.22	497	5	ND	1	314	3.4	91	5	394	.17	.460	21	42	.05	655	.01	2	.77	.01	.18	3	28	270
P 138761	26	490	48	984	5.1	202	13	527	2.84	322	8	ND	1	127	14.3	28	4	473	.34	.455	17	95	.13	10623	.03	3	2.98	.01	.15	1	8	330
P 138762	40	47	226	50	6.5	7	3	53	10.64	172	5	ND	4	119	.2	242	2	93	.02	.145	9	17	.02	513	.01	3	.35	.01	.15	1	55	620
P 138763	5	119	31	197	1.3	29	9	219	9.50	631	5	ND	1	76	.2	45	2	52	.02	.173	24	15	.07	904	.01	2	.69	.01	.10	1	35	130
P 138764	5	181	17	290	.4	66	11	288	4.70	117	5	ND	5	156	1.5	10	2	70	.02	.129	40	19	.08	640	.01	7	.99	.01	.19	1	9	60
P 138765	15	405	90	305	2.0	42	6	255	9.14	303	12	ND	6	204	.4	50	2	260	.07	.345	25	48	.32	755	.05	4	1.77	.01	.25	1	44	90
P 138766	3	176	24	317	.4	81	19	413	7.16	187	7	ND	6	36	1.4	12	2	51	.01	.124	34	17	.17	282	.01	7	1.01	.01	.19	1	10	110
P 138767	5	141	174	757	2.4	68	11	144	11.80	372	9	ND	9	188	.2	42	2	103	.01	.266	40	16	.02	494	.01	4	.84	.01	.10	1	16	6800
P 138768	7	130	26	381	1.0	72	11	219	6.76	56	5	ND	7	80	.4	11	2	46	.01	.153	33	12	.08	264	.01	5	.82	.01	.15	1	7	70
P 138769	6	125	15	200	1.1	64	13	265	4.11	42	7	ND	1	50	.5	5	2	42	.05	.189	20	14	.07	318	.01	3	.91	.01	.11	1	4	130
P 138770	8	112	22	117	.9	41	8	161	4.95	75	5	ND	1	120	.2	8	2	59	.03	.156	17	13	.09	809	.02	5	.80	.01	.15	1	13	40
P 138771	7	221	22	153	.5	77	17	430	7.85	52	6	ND	1	79	.4	2	2	68	.01	.149	27	20	.13	301	.01	4	1.12	.01	.14	1	9	50
P 138772	7	113	22	207	.6	54	11	256	5.22	46	5	ND	1	64	.8	3	2	85	.05	.174	22	24	.19	287	.02	3	1.22	.01	.10	1	21	60
P 138773	5	134	11	359	.5	70	15	266	5.16	33	8	ND	6	54	.7	2	2	49	.01	.100	32	19	.17	352	.02	7	1.17	.01	.25	1	10	150
STANDARD C/AU-S	19	63	44	132	7.3	72	31	1054	3.98	41	17	6	37	53	18.6	14	19	56	.51	.095	38	60	.88	180	.08	36	1.90	.06	.14	13	49	1500

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
P 138774	9	245	21	308	1.1	68	12	315	9.70	31	5	ND	6	71	.2	7	9	92	.04	.202	25	36	.36	337	.06	6	1.82	.01	.20	1	10	90
P 138775	6	216	28	201	1.0	33	5	124	7.68	184	5	ND	1	154	.8	5	4	113	.08	.397	20	34	.24	740	.01	7	1.74	.01	.23	1	11	100
P 138776	5	186	29	259	.9	56	11	215	7.61	29	5	ND	1	30	.2	4	6	61	.04	.128	20	24	.31	248	.05	6	1.49	.01	.11	1	5	80
P 138777	9	271	23	428	.8	71	12	265	9.43	84	5	ND	8	113	.2	6	2	66	.02	.220	24	23	.18	520	.03	9	1.25	.01	.12	1	3	70
P 138778	35	43	100	80	3.4	24	3	111	5.39	50	5	ND	3	46	.3	28	3	147	.04	.152	8	24	.05	144	.02	7	.56	.01	.33	2	3	120
P 138779	4	21	10	29	.5	7	2	33	1.40	34	5	ND	1	22	.2	2	2	31	.03	.084	4	5	.03	679	.01	2	.61	.02	.06	1	1	60
P 138780	9	510	45	382	1.2	86	14	406	16.01	282	8	ND	10	86	1.0	16	4	114	.01	.285	20	52	.23	293	.05	10	1.85	.01	.12	1	9	50
P 138781	8	346	28	275	1.7	91	12	231	11.69	217	5	ND	12	92	1.1	15	4	91	.01	.342	27	48	.31	281	.06	5	2.23	.01	.18	1	8	80
P 138782	9	463	63	556	1.6	158	19	513	17.83	114	5	ND	10	183	2.6	23	2	65	.01	.303	24	35	.19	240	.03	9	2.25	.01	.12	1	12	100
P 138783	9	269	90	691	2.2	223	69	1501	7.13	41	5	ND	10	31	1.2	6	6	47	.01	.155	33	22	.21	135	.04	2	1.38	.01	.15	1	6	90
P 138784	7	215	33	419	1.8	143	74	3765	9.36	18	5	ND	1	18	2.5	8	2	53	.08	.168	21	33	.33	168	.03	5	1.65	.01	.15	1	2	330
P 138785	3	68	19	616	.3	159	43	1393	6.44	9	5	ND	6	7	2.0	4	3	38	.01	.079	34	16	.19	95	.01	4	1.17	.01	.06	1	3	100
P 138786	8	144	34	499	1.0	136	44	1889	7.24	29	5	ND	4	14	1.7	12	3	38	.04	.105	29	17	.13	137	.02	6	.81	.01	.07	1	7	60
P 138787	33	24	56	79	1.6	19	4	117	3.43	60	5	ND	1	49	.2	37	2	98	.01	.064	13	2	.01	421	.01	5	.25	.01	.18	2	8	280
P 138788	10	35	14	63	.2	17	3	102	4.26	25	5	ND	2	8	.2	2	5	39	.01	.077	25	24	.24	94	.01	3	1.03	.01	.04	3	1	70
P 138789	6	59	18	159	.1	52	10	228	5.44	27	5	ND	6	12	.8	4	4	38	.02	.087	39	36	.60	76	.01	2	1.63	.01	.04	1	1	80
P 138790	8	136	19	331	.6	125	48	1651	11.09	34	5	ND	3	42	.7	4	4	33	.61	.193	36	14	.18	155	.01	8	.72	.01	.10	1	3	130
P 138826	28	129	12	589	1.0	131	12	329	2.61	33	5	ND	1	15	.9	8	2	138	.14	.095	12	37	.99	120	.03	3	1.35	.01	.10	1	4	150
P 138827	12	95	33	236	.2	114	35	2396	7.47	15	5	ND	1	39	.7	9	5	29	.10	.125	24	25	.74	294	.03	7	1.65	.01	.14	1	2	80
P 138828	8	132	30	280	1.0	111	29	782	7.46	15	5	ND	2	56	.7	4	5	22	.24	.096	20	30	.79	437	.01	6	1.50	.01	.09	1	6	140
P 138829	10	184	40	291	1.0	106	34	799	8.14	25	5	ND	2	51	1.7	8	3	18	.44	.123	22	22	.50	285	.01	4	1.14	.01	.08	1	9	150
P 138830	9	225	54	324	.5	109	39	1324	7.83	29	5	ND	1	32	2.1	5	2	17	.37	.161	23	16	.37	100	.01	2	1.26	.01	.09	1	9	170
P 138831	6	98	40	223	.4	79	30	913	5.68	25	5	ND	1	42	2.3	3	2	18	.78	.162	16	17	.38	108	.01	2	.97	.01	.05	1	2	130
P 138832	9	141	89	304	.3	91	50	1619	7.77	40	5	ND	4	33	2.1	5	2	21	.32	.141	33	22	.53	91	.02	2	1.41	.01	.07	1	1	90
P 138833	12	198	61	378	.5	164	72	1866	10.39	49	5	ND	2	30	3.4	9	4	22	.33	.148	23	34	.81	73	.01	6	1.74	.01	.06	1	4	160
P 138834	13	257	51	475	.8	176	64	1490	12.66	58	5	ND	2	59	3.7	15	4	46	.49	.170	16	47	1.37	173	.03	5	2.60	.01	.16	1	5	120
P 138835	7	134	41	364	.7	115	36	961	8.15	37	5	ND	1	129	1.7	16	2	93	1.00	.141	11	53	1.94	338	.08	3	3.32	.04	.32	1	1	100
P 138836	4	105	39	260	.2	76	34	1203	7.18	34	5	ND	1	66	.5	12	5	85	.63	.084	12	58	2.16	273	.09	4	4.01	.02	.25	1	1	130
P 138837	10	224	37	387	1.1	143	38	1465	8.33	50	5	ND	2	129	2.0	20	2	71	.54	.138	17	56	2.42	516	.09	8	3.65	.03	.40	1	5	110
P 138838	8	120	42	234	1.0	83	25	753	6.71	47	5	ND	1	176	1.0	16	2	53	1.02	.179	12	42	1.63	459	.05	4	2.46	.02	.24	1	7	130
P 138839	9	224	38	429	.9	134	42	482	10.07	57	5	ND	3	228	3.0	9	2	67	1.09	.150	13	50	1.00	209	.09	4	3.73	.04	.27	1	6	60
P 138840	43	346	75	398	3.6	204	44	1456	15.48	158	15	ND	6	193	1.9	27	2	131	.33	.331	20	53	.78	639	.04	6	2.66	.01	.23	1	2	110
P 138841	35	376	11	2243	3.0	405	23	548	5.98	186	23	ND	1	291	28.4	28	2	130	10.39	.250	16	45	.74	231	.02	8	1.47	.01	.07	1	23	110
P 138842	71	480	58	2509	3.3	465	28	1084	11.01	286	26	ND	1	125	26.4	36	3	179	1.08	.336	14	59	.70	422	.02	5	1.89	.01	.08	1	16	130
P 138846	3	63	24	231	.1	78	18	827	7.46	89	5	ND	2	7	2.6	11	7	19	.03	.067	21	10	.08	775	.01	3	.69	.01	.06	2	3	50
P 138851	1	18	13	106	.1	25	8	347	2.28	28	5	ND	4	117	.3	3	2	30	.23	.079	30	20	.47	485	.08	2	3.23	.01	.20	1	2	80
STANDARD C/AU-S	19	63	42	133	7.3	73	32	1053	3.97	43	17	7	37	53	19.0	16	21	58	.51	.088	38	61	.86	182	.08	38	1.92	.06	.14	14	46	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
P 138852	4	25	17	127	.1	19	3	214	1.85	27	5	ND	1	23	.4	2	3	48	.10	.063	10	16	.20	170	.06	2	1.65	.01	.06	1	3	70
P 138853	3	17	2	126	.3	13	3	61	1.02	12	5	ND	1	47	.2	2	2	39	.10	.038	5	13	.20	83	.03	2	.93	.02	.03	1	3	30
P 138854	6	41	17	105	.1	27	8	262	4.03	65	5	ND	1	14	.4	2	3	80	.09	.081	13	31	.48	322	.06	2	1.64	.01	.09	1	2	50
P 138855	2	17	2	43	.1	7	4	90	2.02	22	5	ND	1	9	.2	2	2	28	.03	.049	8	9	.07	51	.03	3	.93	.02	.04	1	2	40
P 138856	4	25	8	51	.1	9	2	39	1.42	30	5	ND	1	20	.2	2	2	94	.03	.110	11	57	.04	85	.01	3	.90	.01	.03	1	1	50
P 138857	9	62	58	58	1.5	6	2	122	5.60	248	5	ND	6	77	.6	7	2	77	.05	.210	80	45	.44	48	.02	8	1.26	.01	.44	1	21	70
P 138858	76	57	67	67	2.9	14	3	94	3.01	255	5	ND	1	72	.8	26	2	1728	.23	.322	32	128	.15	515	.01	7	1.33	.01	.23	1	1	440
P 138859	37	33	24	60	2.0	12	1	20	1.19	26	5	ND	1	59	.2	14	5	799	.03	.102	19	87	.06	306	.01	7	.61	.01	.14	1	3	150
P 138860	199	83	40	357	2.2	117	2	51	3.27	109	5	ND	1	329	1.5	52	2	1249	.04	.170	19	82	.07	188	.01	14	.91	.01	.21	2	5	80
P 138861	33	66	32	165	2.1	37	3	94	2.76	89	5	ND	1	161	1.0	20	2	458	.31	.348	18	64	.21	672	.01	5	1.29	.01	.14	1	4	190
P 138862	19	76	29	254	2.2	62	7	235	3.44	123	5	ND	1	90	1.1	15	2	233	.33	.338	18	57	.43	640	.02	2	2.17	.01	.10	1	3	210
P 138863	40	30	48	86	1.1	17	2	37	1.99	51	5	ND	1	114	.2	13	4	268	.02	.132	13	32	.06	661	.01	3	.66	.01	.11	1	3	40
P 138876	21	243	94	346	3.1	122	18	693	14.45	530	6	ND	6	249	1.5	29	2	244	.50	1.201	22	84	.59	47	.04	10	2.47	.03	.40	3	1	280
P 138877	10	123	37	391	.5	126	56	2389	11.90	112	5	ND	7	112	1.7	17	2	67	.27	.106	9	54	1.91	373	.10	6	4.35	.05	.38	7	1	150
P 138878	12	126	27	269	.5	73	33	1056	7.56	82	5	ND	6	86	.2	3	2	46	.14	.119	14	30	.48	109	.08	2	2.99	.03	.14	1	1	70
P 138879	16	209	67	456	1.2	120	60	1030	16.49	252	5	ND	3	353	3.1	22	2	65	.56	.222	8	53	.87	260	.07	5	5.78	.04	.22	1	1	100
P 138880	4	122	60	269	.3	53	69	2262	8.74	136	5	ND	17	23	.8	9	2	28	.04	.079	46	46	.82	174	.09	9	3.09	.01	.49	1	1	150
P 138881	15	333	36	647	1.2	219	83	2261	13.21	122	5	ND	5	494	4.5	12	2	81	1.06	.298	17	54	.87	219	.08	5	6.14	.03	.27	5	1	130
P 138882	13	251	36	132	.9	29	11	361	23.22	80	5	ND	3	425	.9	10	8	66	.52	.197	7	42	.74	130	.10	2	4.27	.02	.29	1	1	90
P 138883	13	194	18	141	1.4	15	6	299	28.01	87	5	ND	3	113	.2	12	4	88	.17	.189	4	52	.84	108	.11	2	3.57	.02	.24	6	1	100
P 138884	29	209	15	192	1.1	32	10	276	22.12	104	5	ND	5	358	1.1	20	2	124	.37	.343	6	59	.88	195	.09	2	4.81	.02	.21	3	3	50
P 138885	7	137	39	288	.8	76	39	1445	8.60	114	5	ND	8	184	1.9	14	2	70	1.44	.128	22	58	1.26	206	.14	6	3.90	.04	.58	1	2	100
P 138886	9	119	45	246	.5	68	26	916	7.70	104	5	ND	8	178	1.8	17	2	120	1.21	.148	23	73	1.55	290	.17	14	4.55	.06	.80	5	1	110
P 138887	19	219	38	393	1.1	111	32	478	9.34	158	5	ND	5	411	2.6	20	2	136	.82	.218	14	61	1.17	333	.11	4	4.38	.03	.31	7	2	80
P 138888	22	197	30	399	1.9	144	32	568	9.54	197	5	ND	6	381	3.5	14	2	141	.75	.237	14	62	1.07	535	.08	8	3.69	.01	.23	5	1	100
P 138889	15	155	55	307	1.6	205	45	1622	10.58	122	5	ND	3	70	1.2	17	2	69	.34	.195	11	45	1.03	1360	.06	6	3.73	.01	.08	5	1	80
P 138890	5	43	12	156	.4	32	7	184	3.53	46	5	ND	1	51	.5	5	2	69	.21	.121	14	40	.70	371	.09	2	2.77	.02	.12	2	1	90
P 138891	14	185	20	1155	2.3	204	8	176	2.85	131	7	ND	1	74	4.5	11	2	208	.67	.270	16	56	.93	2211	.04	3	2.01	.03	.07	3	2	110
P 138892	18	141	23	463	1.3	91	15	601	6.81	242	5	ND	3	126	1.4	20	2	143	.54	.179	12	74	1.89	578	.11	2	3.90	.02	.42	3	4	40
P 138893	11	110	26	301	1.1	61	12	517	5.89	182	5	ND	2	103	1.5	15	2	118	.33	.143	12	64	1.50	1155	.09	2	3.29	.02	.37	1	1	30
P 138894	7	111	29	415	1.2	85	17	592	5.51	151	5	ND	6	186	1.5	15	2	109	.79	.187	17	58	1.33	902	.09	7	3.34	.02	.37	1	1	30
P 138895	1	8	39	64	.1	5	7	408	2.56	21	5	ND	17	302	.2	7	2	25	1.26	.067	48	26	.89	213	.11	2	4.90	.02	.44	5	1	20
STANDARD C/AU-S	19	60	40	131	7.1	70	31	1052	3.95	41	16	7	36	51	19.0	15	20	56	.51	.099	36	61	.86	179	.07	35	1.87	.06	.14	12	45	1600

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
L100+00E 199+75N	6	90	20	250	.5	62	31	754	8.48	86	5	ND	1	96	1.5	5	2	66	.75	.223	16	34	1.07	267	.09	3	3.39	.05	.24	3	7	150
L100+00E 199+50N	1	46	7	139	.1	45	25	1418	5.98	24	5	ND	19	22	.2	2	2	31	.17	.060	62	31	.91	196	.11	3	3.19	.03	.55	1	1	130
L100+00E 199+25N	4	95	45	224	.3	49	37	2431	6.56	62	5	ND	11	28	1.0	2	2	41	.10	.108	43	23	.69	174	.08	2	2.45	.02	.24	1	2	190
L100+00E 199+00N	4	102	26	221	.1	51	46	2309	7.26	72	5	ND	13	28	.2	2	2	45	.09	.111	44	31	.89	202	.11	2	2.93	.02	.34	1	1	110
L100+00E 198+75N	2	86	29	152	.1	34	42	1756	5.18	64	5	ND	7	21	.4	2	2	30	.07	.082	35	23	.55	123	.08	2	2.13	.02	.26	1	6	120
L100+00E 198+50N	1	11	2	63	.1	11	4	112	1.12	10	5	ND	1	12	.7	2	2	16	.12	.038	9	5	.07	83	.02	2	.62	.01	.03	1	2	230
L100+00E 198+00N	2	41	15	60	.1	14	7	275	2.17	24	5	ND	1	16	.2	2	3	29	.08	.082	14	9	.24	89	.04	2	1.17	.04	.11	1	1	70
L100+00E 197+50N	2	91	46	149	.1	32	48	1357	4.85	62	5	ND	7	19	.5	2	2	32	.08	.100	32	22	.54	135	.08	2	2.18	.03	.33	1	1	120
L100+00E 197+00N	1	7	3	26	.3	4	3	110	.82	7	5	ND	1	10	.2	2	2	22	.06	.036	2	4	.05	29	.03	3	.37	.03	.03	1	3	40
L100+00E 196+50N	5	76	16	115	.2	26	12	1359	4.38	36	5	ND	1	62	.2	2	6	77	.15	.102	11	26	.86	227	.08	5	2.36	.03	.15	1	1	60
L100+00E 196+00N	6	44	27	123	.2	28	6	185	4.54	58	5	ND	1	15	1.0	2	2	142	.12	.117	15	34	.48	223	.13	3	2.20	.01	.08	1	1	90
L100+00E 195+50N	2	13	2	47	.1	8	2	115	1.41	14	5	ND	1	15	.6	2	2	43	.12	.065	9	9	.16	123	.03	2	1.02	.03	.04	1	1	40
L100+00E 104+50N	11	84	16	5795	1.1	684	14	500	4.01	1010	8	ND	1	107	16.1	10	2	188	1.27	.279	24	58	.93	639	.05	3	2.63	.02	.19	1	7	200
L100+00E 104+00N	8	65	18	1095	.9	124	7	227	2.37	230	5	ND	1	62	3.7	8	2	273	.59	.146	12	39	1.82	431	.09	5	2.69	.02	.19	1	15	70
L100+00E 103+50N	16	167	34	685	3.2	110	7	203	2.68	556	12	ND	1	118	5.7	18	2	441	.68	.476	19	68	1.07	1092	.04	5	2.16	.02	.18	1	29	680
L100+00E 103+00N	25	288	43	1177	4.2	208	10	201	4.53	1496	12	ND	1	176	13.0	35	2	775	1.39	.721	26	108	1.79	1224	.05	5	2.71	.01	.33	1	70	720
L100+00E 102+50N	11	122	11	599	1.6	98	8	183	2.94	448	5	ND	1	82	6.0	14	3	239	.47	.276	11	32	1.39	566	.06	3	2.02	.02	.14	1	49	120
L100+00E 102+00N	24	197	25	1252	1.3	217	19	366	6.78	122	9	ND	2	92	8.5	14	2	285	.42	.285	13	58	2.02	404	.08	2	3.80	.02	.35	1	7	260
L100+00E 101+50N	11	123	27	500	1.4	100	16	485	4.39	381	12	ND	1	112	5.4	8	2	201	1.10	.346	17	49	1.63	647	.03	6	3.00	.02	.22	1	7	160
L100+00E 101+25N	16	188	50	712	1.6	140	16	681	5.98	273	6	ND	1	127	4.2	10	2	237	.51	.325	16	53	1.84	653	.06	2	3.36	.02	.26	1	37	150
L100+00E 101+00N	18	225	66	899	1.6	179	21	816	6.59	279	12	ND	3	150	7.7	12	2	268	.59	.360	16	55	2.09	603	.09	5	3.56	.02	.41	1	9	210
L100+00E 100+75N	22	234	53	1102	1.9	205	22	543	6.74	233	12	ND	2	109	5.2	14	2	272	.48	.377	15	60	1.76	517	.07	5	3.91	.02	.32	1	29	190
L100+00E 100+50N	7	94	41	267	.6	62	12	686	4.72	219	5	ND	1	125	3.0	6	2	124	.85	.291	14	38	1.13	546	.04	3	2.47	.03	.18	1	8	120
L100+00E 100+25N	10	126	16	1987	.2	657	11	378	3.55	1263	54	ND	1	60	3.6	2	5	155	.66	.145	23	44	.68	359	.04	4	2.56	.02	.13	1	2	50
L101+00E 104+50N	38	74	27	269	2.7	73	3	148	2.13	113	14	ND	1	56	.6	19	4	499	.25	.291	17	67	.18	413	.01	2	.89	.02	.11	1	1	180
L101+00E 104+00N	4	22	2	28	.4	11	3	81	.75	23	5	ND	1	20	.3	5	2	77	.09	.065	4	16	.05	189	.01	2	.42	.04	.02	1	2	90
L101+00E 103+50N	46	217	39	341	6.5	93	3	53	3.07	228	10	ND	1	184	5.0	33	2	1294	1.06	1.071	33	172	.60	792	.01	7	1.34	.01	.24	1	4	830
L101+00E 103+00N	13	228	28	673	2.9	152	7	141	3.06	1064	14	ND	3	108	7.3	15	2	430	1.10	.569	20	73	1.37	799	.08	10	2.39	.01	.45	1	54	120
L101+00E 102+50N	23	299	91	986	5.1	118	10	317	5.65	4097	18	ND	1	161	10.7	44	2	606	1.35	.779	21	85	1.10	1343	.04	3	2.25	.02	.39	1	81	200
L101+00E 102+00N	24	248	82	805	11.2	128	12	259	5.19	1748	15	ND	4	135	9.1	56	2	417	.96	.564	18	64	1.81	804	.08	3	2.92	.03	.56	1	56	120
L101+00E 101+50N	17	146	12	611	2.1	112	9	207	3.79	342	9	ND	4	122	5.0	23	2	362	1.13	.453	17	60	1.72	641	.09	2	2.61	.03	.55	1	17	140
L101+00E 101+25N	19	186	25	810	1.7	163	19	447	5.34	387	15	ND	4	226	11.3	12	2	260	1.22	.370	20	57	1.26	631	.08	9	3.04	.04	.35	1	19	170
L101+00E 101+00N	25	121	17	327	1.4	80	7	189	3.33	170	10	ND	4	82	2.0	6	3	239	.69	.370	18	53	.58	634	.04	9	1.48	.02	.33	1	2	340
L101+00E 100+75N	20	94	20	254	1.3	86	17	847	3.68	95	8	ND	4	92	1.7	7	2	227	.79	.363	17	55	.61	575	.05	7	1.63	.03	.39	1	8	270
L101+00E 100+50N	7	107	22	220	.5	44	14	455	4.45	185	10	ND	1	94	2.4	6	2	97	1.57	.277	14	38	1.20	484	.06	2	2.35	.03	.16	2	20	130
L101+00E 100+25N	2	105	26	307	.3	87	24	468	5.27	218	9	ND	1	123	2.4	6	2	73	1.74	.230	16	41	1.65	375	.11	4	3.12	.07	.18	3	18	170
STANDARD C/AU-S	20	62	42	133	7.3	72	32	1055	3.97	42	21	7	37	52	18.4	15	18	59	.59	.095	39	56	.91	183	.08	36	1.89	.06	.13	11	46	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
L101+00E 99+75N	2	50	21	170	.3	22	22	587	5.38	259	5	ND	1	58	1.6	2	2	54	1.06	.102	8	31	.86	211	.08	2	2.14	.02	.15	1	14	80
L101+00E 99+50N	5	134	17	143	.8	29	22	326	11.39	149	5	ND	1	90	1.0	12	5	48	.43	.200	18	41	.83	195	.08	6	3.26	.02	.36	1	14	110
L101+00E 99+25N	4	118	13	148	.7	24	22	332	11.46	150	5	ND	1	70	.7	15	4	52	.36	.194	17	42	.90	173	.09	4	2.85	.01	.31	1	16	90
L101+00E 99+00N	2	43	18	83	.4	22	7	287	2.41	33	5	ND	1	29	.2	2	2	46	.13	.102	5	24	.51	130	.05	6	1.73	.04	.11	1	3	80
L101+00E 98+75N	2	46	16	136	.4	23	9	569	4.39	17	5	ND	2	76	.3	9	2	61	.77	.057	5	57	3.07	301	.18	2	4.41	.13	.28	4	5	60
L101+00E 98+50N	4	114	32	213	.4	57	29	1074	5.68	66	5	ND	3	50	.7	5	6	56	.26	.138	13	36	1.12	280	.10	6	2.62	.04	.20	1	6	90
L101+00E 98+00N	3	67	21	118	.2	35	32	1049	4.16	56	5	ND	6	21	.2	2	2	34	.10	.097	28	22	.41	124	.07	6	1.69	.03	.21	1	3	100
L101+00E 97+50N	2	54	8	79	.1	24	12	388	2.88	36	5	ND	2	22	.2	2	2	35	.13	.101	17	13	.26	114	.06	2	1.31	.02	.12	2	2	60
L101+00E 97+00N	1	71	21	82	.1	21	13	807	3.56	30	5	ND	1	14	.2	2	2	26	.06	.073	21	14	.25	80	.04	2	1.53	.02	.11	1	2	50
L101+00E 96+50N	1	17	8	28	.2	6	2	102	1.34	11	5	ND	1	10	.2	2	3	21	.04	.049	7	6	.09	42	.03	7	.84	.03	.04	1	2	60
L101+00E 96+00N	6	37	12	68	.4	16	5	362	3.11	24	5	ND	1	13	.5	2	4	71	.10	.117	12	26	.33	99	.07	6	1.65	.01	.06	1	1	180
L101+00E 95+50N	1	6	9	9	.1	6	1	26	.61	9	5	ND	1	9	.2	2	2	20	.07	.037	2	3	.03	24	.03	3	.74	.04	.03	2	2	30
L102+00E 104+50N	105	283	81	253	6.3	52	10	343	3.62	460	39	ND	1	295	11.6	75	2	1848	1.01	1.405	36	168	.10	1529	.01	20	1.56	.01	.31	1	10	2500
L102+00E 104+00N	91	150	36	202	6.5	47	5	187	3.52	263	26	ND	2	270	6.7	61	2	1983	2.16	1.674	30	189	.13	632	.01	21	1.49	.01	.42	1	5	580
L102+00E 103+50N	90	249	69	200	8.0	46	2	56	3.40	429	25	ND	1	294	6.8	64	2	1764	1.20	1.451	37	196	.13	1502	.01	16	1.59	.01	.31	1	15	2200
L102+00E 103+00N	66	224	33	175	5.8	41	2	57	2.25	227	14	ND	1	206	5.8	39	2	1636	2.19	1.410	26	164	.13	896	.02	20	1.30	.01	.36	1	6	620
L102+00E 102+50N	54	220	40	401	6.2	87	3	75	2.79	251	21	ND	1	185	10.6	41	2	1692	1.11	1.066	31	175	.29	1170	.01	16	1.38	.01	.29	3	13	2100
L102+00E 102+00N	40	235	38	971	2.8	148	10	323	4.28	466	7	ND	1	125	10.3	38	4	464	.83	.490	26	68	.50	1481	.01	5	1.26	.01	.17	3	15	460
L102+00E 101+50N	32	468	121	1274	6.7	156	13	335	7.88	5157	10	ND	7	224	14.9	112	18	551	1.07	1.036	30	88	1.26	2413	.07	6	3.38	.02	.34	1	600	200
L102+00E 101+25N	24	274	79	857	2.7	124	11	264	4.94	1068	7	ND	3	144	10.2	36	5	394	1.62	.819	19	72	1.28	1095	.07	6	2.44	.02	.44	1	70	210
L102+00E 101+00N	33	314	85	1545	3.1	195	19	464	8.36	1467	5	ND	3	161	20.1	46	8	345	1.05	.687	20	63	1.59	1238	.06	6	3.06	.02	.39	1	164	230
L102+00E 100+75N	39	284	54	1223	3.3	169	16	373	8.07	832	5	ND	3	140	12.5	34	4	297	.79	.590	19	67	1.25	845	.05	4	2.87	.02	.30	2	67	330
L102+00E 100+50N	30	213	33	1046	2.9	159	13	326	6.67	452	5	ND	1	114	11.9	23	2	273	.75	.462	16	65	1.39	747	.03	2	2.85	.02	.24	1	39	240
L102+00E 100+25N	56	216	63	382	3.6	112	16	672	9.60	263	8	ND	4	162	2.9	23	6	278	.45	.658	19	86	.71	338	.03	2	2.39	.03	.28	1	9	500
L102+00E 99+50N	2	34	14	93	.3	23	8	269	3.33	34	5	ND	1	77	.5	3	2	45	2.27	.102	12	32	1.03	199	.11	6	2.38	.05	.08	2	5	80
L102+00E 99+25N	1	43	18	97	.2	25	9	361	3.68	27	5	ND	1	98	1.4	3	6	35	2.74	.157	16	32	1.18	296	.12	5	2.77	.08	.10	1	16	60
L102+00E 99+00N	1	26	3	45	.2	17	6	251	2.63	18	5	ND	1	402	.2	4	2	17	23.34	.092	8	21	.76	122	.07	2	1.58	.05	.11	3	4	30
L102+00E 98+75N	1	12	8	107	.1	14	7	406	2.19	19	5	ND	1	125	.2	2	2	23	2.97	.211	12	23	.79	72	.06	9	1.65	.12	.04	1	7	110
L102+00E 98+50N	1	22	11	62	.3	14	5	161	1.65	18	5	ND	1	34	.2	2	6	37	.73	.095	7	19	.66	144	.04	8	1.31	.03	.06	1	4	100
L102+00E 98+00N	12	168	60	342	1.1	91	34	1133	10.86	117	5	ND	4	149	1.6	12	4	98	.42	.257	12	63	1.54	617	.12	5	3.68	.06	.44	1	19	120
L102+00E 97+50N	12	227	71	440	1.1	135	48	1650	11.32	132	5	ND	4	148	2.1	21	4	96	.31	.256	13	66	2.17	687	.13	3	4.66	.05	.46	1	10	130
L102+00E 97+00N	12	202	38	520	.4	172	57	2664	10.41	150	5	ND	4	68	2.3	16	2	73	.16	.174	17	48	1.47	469	.09	4	3.64	.02	.26	1	11	180
L102+00E 96+50N	5	108	61	207	.3	55	25	909	6.93	102	5	ND	8	44	.2	6	6	51	.11	.128	35	35	.67	240	.07	3	2.64	.02	.31	1	5	100
L102+00E 96+00N	6	128	62	205	.2	46	23	819	8.38	93	5	ND	7	55	1.6	8	11	49	.11	.121	33	33	.66	235	.07	2	2.63	.01	.34	4	6	120
L102+00E 95+50N	5	50	20	114	.2	27	9	248	3.17	55	5	ND	2	36	.4	3	5	44	.16	.087	21	19	.30	167	.04	3	1.36	.01	.12	4	2	140
L103+00E 104+50N	85	203	33	230	6.2	58	3	91	3.39	190	26	ND	3	409	10.5	60	2	1969	2.42	1.795	35	183	.17	221	.02	33	2.01	.01	.50	2	5	820
STANDARD C/AU-S	19	62	43	132	7.5	72	32	1054	3.97	42	18	7	36	53	18.5	16	22	57	.51	.094	38	61	.88	180	.07	35	1.89	.06	.14	12	49	1600

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
L103+00E 104+00N	58	111	29	157	4.8	31	2	128	2.10	233	14	ND	1	165	4.8	53	2	1142	.79	.674	15	100	.09	1492	.01	11	1.03	.01	.25	4	8	380
L103+00E 103+50N	39	124	26	155	3.3	27	1	34	1.32	116	5	ND	1	157	4.3	28	2	1322	1.58	.818	19	119	.09	982	.01	17	.96	.01	.29	2	4	410
L103+00E 103+00N	75	130	28	3137	1.3	388	16	473	3.75	107	12	ND	5	50	44.0	28	2	440	.64	.175	27	60	2.07	1216	.06	6	1.55	.01	.28	1	2	290
L103+00E 102+50N	108	167	41	2420	1.2	475	22	491	6.46	205	27	ND	1	33	18.9	29	2	379	.32	.192	24	65	1.44	710	.05	6	2.05	.01	.15	6	9	180
L103+00E 102+00N	17	69	15	322	1.3	68	6	155	4.59	110	8	ND	1	15	2.9	12	2	148	.11	.144	8	50	.46	127	.05	2	3.28	.01	.06	2	17	190
L103+00E 101+25N	33	322	45	869	5.1	131	7	276	4.44	1201	19	ND	1	221	10.8	44	2	947	2.13	1.108	24	143	.77	1341	.05	6	2.14	.01	.36	1	46	160
L103+00E 101+00N	24	371	59	1615	4.0	188	16	484	8.54	1388	8	ND	1	165	16.1	46	3	380	1.20	.697	22	69	1.71	1038	.06	7	3.25	.02	.37	1	107	120
L103+00E 100+75N	22	313	60	1159	4.7	152	12	379	5.60	1610	13	ND	1	184	16.1	50	5	536	1.86	.894	21	90	1.21	1239	.04	7	2.48	.01	.39	1	60	130
L103+00E 100+50N	20	283	48	1013	2.9	135	12	347	5.89	904	5	ND	1	131	12.5	36	5	338	1.06	.589	17	68	1.53	988	.06	3	2.77	.02	.44	1	46	110
L103+00E 100+25N	20	172	30	820	2.1	119	9	256	4.77	678	5	ND	1	110	10.8	25	2	327	.72	.412	13	59	1.57	813	.06	4	2.64	.02	.47	1	33	100
L103+00E 99+75N	27	139	14	241	2.1	83	4	107	3.23	111	10	ND	4	75	2.6	10	2	225	.64	.329	16	72	.35	621	.03	5	1.67	.03	.22	2	5	340
L103+00E 99+50N	21	56	13	104	1.7	36	1	15	1.42	38	5	ND	4	36	.3	6	2	228	.31	.163	15	64	.19	816	.02	9	.82	.01	.24	2	4	430
L103+00E 99+25N	76	240	36	413	3.8	112	13	423	6.55	256	19	ND	3	135	4.8	28	2	317	.36	.571	23	71	.24	354	.01	6	1.65	.01	.23	2	5	1700
L103+00E 99+00N	19	113	38	226	1.5	68	11	481	5.30	114	8	ND	3	109	2.9	15	4	197	.69	.468	14	56	.75	483	.04	9	1.93	.03	.40	1	4	180
L103+00E 98+75N	9	94	41	178	.9	60	9	483	5.21	89	8	ND	3	123	1.8	12	2	164	1.38	.739	16	55	.91	493	.05	4	2.05	.03	.44	2	5	210
L103+00E 98+50N	9	100	40	205	1.0	69	12	688	5.93	94	6	ND	3	130	1.5	12	2	135	1.00	.593	14	51	.91	506	.05	3	2.07	.03	.45	1	8	190
L103+00E 98+00N	12	204	68	415	1.4	110	43	1426	13.74	159	5	ND	4	178	3.6	25	2	96	.42	.330	12	66	1.84	344	.11	2	4.32	.06	.52	1	9	160
L103+00E 97+50N	11	196	63	401	1.3	104	44	1299	13.14	138	5	ND	4	183	3.1	28	2	89	.44	.281	12	62	1.74	414	.11	2	4.18	.07	.52	1	8	150
L103+00E 97+00N	9	145	21	249	.7	72	23	891	7.58	107	6	ND	3	57	2.5	13	2	95	.51	.275	17	52	1.09	516	.08	3	2.77	.03	.43	1	7	160
L103+00E 96+50N	7	216	20	369	.6	116	52	1104	10.06	86	5	ND	1	148	3.1	16	2	69	.43	.212	13	49	1.06	498	.09	6	5.21	.02	.34	1	9	80
L103+00E 96+00N	1	119	54	314	.2	53	54	4972	9.40	88	5	ND	14	17	2.1	11	2	19	.08	.056	52	30	.55	125	.04	2	2.29	.01	.18	1	5	230
L103+00E 95+50N	2	120	23	189	.2	40	39	1538	7.82	68	5	ND	12	48	1.4	10	2	32	.08	.059	44	34	.82	186	.10	2	2.96	.01	.52	1	3	170
L104+00E 104+50N	165	249	76	273	9.4	86	3	117	8.00	495	43	ND	1	421	5.5	100	4	1067	.47	1.463	32	142	.09	65	.01	11	1.75	.01	.44	2	20	2300
L104+00E 104+00N	218	233	57	252	13.6	61	2	64	6.02	248	37	ND	1	264	6.1	76	2	1601	.33	1.029	30	197	.07	91	.01	8	1.37	.01	.38	2	7	1700
L104+00E 103+50N	60	108	30	194	8.1	59	3	183	3.77	133	17	ND	1	133	2.8	33	2	532	.38	.754	21	82	.06	710	.01	5	.77	.01	.17	1	4	200
L104+00E 103+00N	55	182	32	146	4.7	35	2	52	2.19	216	15	ND	1	188	4.8	42	2	1588	1.57	1.117	25	154	.11	630	.01	17	1.23	.01	.33	1	4	950
L104+00E 102+50N	106	278	55	194	6.9	47	2	47	3.16	377	20	ND	4	239	6.6	62	4	2035	1.09	1.320	34	195	.15	843	.02	16	1.36	.01	.35	1	15	1500
L104+00E 102+00N	21	515	28	1641	5.0	311	9	347	3.08	247	10	ND	1	102	11.0	29	3	427	1.25	.693	21	128	.45	540	.01	8	1.13	.01	.16	2	4	230
L104+00E 101+50N	44	349	39	626	7.0	142	4	110	5.37	1545	15	ND	1	115	5.9	51	6	730	.58	.779	21	166	.87	592	.02	2	1.91	.01	.18	1	32	240
L104+00E 101+25N	37	1340	40	1401	9.5	279	9	256	6.31	1536	37	ND	1	206	18.0	64	8	1223	1.50	1.412	28	181	1.05	734	.02	5	2.55	.01	.19	1	8	210
L104+00E 101+00N	64	205	20	308	4.8	67	2	56	2.33	284	11	ND	1	170	5.0	28	2	1876	1.67	.936	24	175	.34	532	.01	8	1.22	.01	.34	1	6	260
L104+00E 100+75N	71	161	30	133	5.5	47	2	48	3.14	635	12	ND	3	215	3.5	41	2	1492	1.83	1.344	26	186	.19	680	.06	10	1.54	.01	.39	1	6	100
L104+00E 100+50N	17	254	33	845	4.2	132	7	206	3.71	977	13	ND	1	153	6.3	28	4	416	.79	.534	18	71	1.05	983	.03	3	2.02	.02	.14	2	100	130
L104+00E 100+25N	25	374	50	1548	4.6	185	18	446	8.13	1599	8	ND	2	174	15.2	56	8	332	.84	.668	22	62	1.87	1499	.07	8	3.58	.02	.38	2	490	140
L104+00E 99+75N	22	229	15	1242	1.7	202	18	334	6.46	83	9	ND	1	102	9.6	16	2	242	.56	.268	12	61	1.54	399	.07	2	3.39	.03	.28	1	4	160
L104+00E 99+50N	20	166	15	562	1.9	159	11	225	5.22	56	9	ND	4	98	5.0	7	2	190	.70	.339	14	77	.56	371	.06	4	2.80	.04	.24	1	4	210
STANDARD C/AU-S	19	63	42	132	7.4	73	31	1055	3.97	38	18	8	36	53	18.4	15	22	57	.52	.094	38	59	.87	180	.07	36	1.89	.06	.14	11	45	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
L104+00E 99+25N	35	94	14	172	1.9	53	4	78	2.34	85	11	ND	3	58	.9	7	2	200	.38	.237	13	57	.20	436	.01	6	.96	.02	.18	1	5	360
L104+00E 99+00N	36	128	17	170	1.9	61	4	67	2.91	98	9	ND	3	67	.9	10	2	199	.45	.291	14	60	.19	351	.01	8	1.05	.02	.16	1	5	490
L104+00E 98+75N	88	343	43	370	4.4	113	11	250	6.94	255	24	ND	7	134	2.5	21	2	317	.38	.597	24	84	.23	129	.01	5	2.04	.02	.21	1	8	820
L104+00E 98+50N	92	229	51	590	5.6	164	17	369	7.95	254	22	ND	2	107	1.9	20	2	406	.20	.520	20	76	.31	115	.01	3	2.10	.01	.22	1	6	330
L104+00E 98+00N	9	95	17	313	1.1	53	4	93	6.58	59	5	ND	1	27	.2	8	2	80	.10	.096	8	42	.77	251	.04	3	1.76	.01	.24	1	3	80
L104+00E 97+50N	37	215	257	234	4.1	114	17	572	13.91	239	14	ND	5	347	.4	22	2	355	.24	.815	25	90	.81	41	.06	5	3.36	.08	.56	1	10	100
L104+00E 97+00N	16	308	56	341	.6	123	70	2342	10.19	287	5	ND	9	42	1.2	11	2	68	.16	.270	21	27	1.30	386	.02	4	2.39	.01	.16	1	20	160
L104+00E 96+50N	18	277	36	583	.4	164	74	2173	10.35	126	5	ND	7	67	3.3	9	2	86	.19	.163	23	30	.54	256	.04	4	3.66	.02	.14	1	7	110
L105+00E 104+50N	49	65	33	89	3.2	21	4	131	3.47	129	7	ND	1	92	.5	19	2	442	.20	.375	16	69	.19	397	.01	4	1.04	.01	.15	1	5	150
L105+00E 104+00N	385	131	96	71	8.1	25	1	35	4.77	402	55	ND	6	219	2.5	92	2	2688	.59	1.024	31	201	.12	61	.03	11	1.16	.01	.42	2	4	170
L105+00E 103+50N	269	511	40	1238	12.3	226	6	146	11.67	717	55	ND	10	574	32.6	144	2	3351	2.59	3.212	37	434	.10	33	.02	16	1.64	.01	.58	1	6	800
L105+00E 103+00N	119	297	55	379	12.3	104	3	71	8.49	409	85	ND	2	481	10.2	79	2	1934	2.10	2.885	48	354	.10	35	.01	14	1.69	.02	.55	1	6	650
L105+00E 102+50N	167	338	48	158	6.8	51	2	34	3.93	517	70	ND	4	247	6.9	85	2	2341	1.14	1.587	41	238	.07	109	.01	15	1.48	.01	.34	1	12	3100
L105+00E 102+00N	43	515	34	1586	6.3	314	12	485	5.61	421	40	ND	3	308	41.0	61	2	1403	2.71	1.781	38	184	.47	591	.01	14	1.72	.01	.24	1	7	1200
L105+00E 101+50N	18	1625	31	1856	10.2	386	13	229	5.63	621	27	ND	5	325	28.4	36	2	1105	1.96	2.011	32	191	1.01	309	.03	5	4.02	.01	.21	1	6	430
L105+00E 101+25N	127	627	9	1136	1.4	186	5	103	5.76	1218	5	ND	9	278	15.3	27	2	3365	3.84	1.855	38	226	.62	459	.03	12	1.82	.02	.44	1	17	200
L105+00E 101+00N	112	463	33	650	5.4	139	4	78	4.99	1770	40	ND	5	282	11.0	58	3	3304	3.02	1.656	38	239	.42	407	.05	8	1.76	.01	.39	1	22	180
L105+00E 100+75N	197	259	49	225	10.7	75	2	71	6.98	1213	65	ND	5	364	4.3	73	2	2912	1.42	1.781	45	360	.20	116	.06	6	1.75	.02	.31	1	8	190
L105+00E 100+50N	61	247	53	305	12.9	76	5	95	10.33	1784	65	ND	2	402	4.1	60	2	1214	1.56	3.433	55	215	.21	259	.02	7	1.63	.01	.22	1	33	180
L105+00E 100+25N	63	2494	41	5433	11.3	947	30	632	8.49	8259	105	ND	1	928	74.1	69	2	1153	4.23	2.330	64	220	.36	408	.03	7	2.78	.01	.22	1	360	200
L105+00E 99+75N	26	221	19	1369	1.8	216	23	421	6.25	178	9	ND	2	149	15.2	5	2	307	.99	.296	13	69	1.68	371	.07	4	3.44	.04	.38	1	19	110
L105+00E 99+50N	2	36	12	178	.1	30	7	202	2.37	32	5	ND	1	103	1.1	2	2	57	4.80	.089	10	22	2.47	137	.13	3	2.19	.05	.45	1	5	30
L105+00E 99+25N	19	107	17	880	1.9	96	10	271	2.37	20	5	ND	1	44	7.0	4	2	438	.86	.036	7	49	2.97	181	.13	4	2.92	.02	.46	1	2	100
L105+00E 99+00N	65	346	35	2272	3.2	357	44	669	7.70	110	5	ND	1	47	12.1	12	2	313	.35	.172	12	45	1.07	167	.05	3	3.94	.02	.19	1	13	180
L105+00E 98+75N	36	367	37	1283	3.5	288	30	737	10.34	163	9	ND	1	79	15.6	11	2	184	.58	.413	19	65	.81	437	.02	4	3.86	.01	.09	1	25	290
L106+00E 101+50N	26	217	27	1886	1.1	259	27	624	9.36	163	5	ND	2	174	19.2	8	2	245	.73	.461	18	45	1.95	287	.08	3	3.59	.02	.42	1	15	90
L106+00E 101+25N	256	182	80	146	7.2	31	2	75	6.30	500	29	ND	8	363	4.0	83	2	1451	1.17	1.454	38	121	.14	34	.06	7	1.09	.01	.47	1	18	40
L106+00E 101+00N	177	236	103	201	9.2	41	3	82	5.34	812	37	ND	7	500	5.2	79	5	2108	1.56	1.542	52	220	.23	96	.06	5	1.48	.01	.41	1	31	90
L106+00E 100+75N	115	230	57	204	12.8	51	3	111	4.73	451	33	ND	7	487	5.8	66	2	3322	1.86	1.548	60	329	.40	95	.07	9	1.57	.01	.51	1	22	290
L106+00E 100+50N	140	282	44	255	11.1	61	3	96	5.04	934	39	ND	6	481	6.4	68	2	3325	2.53	1.848	55	350	.41	124	.08	6	1.85	.01	.46	1	22	260
L106+00E 100+25N	56	220	44	721	2.5	99	8	230	7.52	1011	5	ND	5	216	9.2	28	2	396	.61	.824	28	55	1.64	138	.08	2	3.98	.01	.45	1	123	170
L106+00E 99+75N	28	111	15	1198	1.4	125	17	548	3.28	51	5	ND	1	61	13.8	6	2	367	.90	.051	6	40	2.67	232	.11	4	2.92	.03	.52	1	7	90
L106+00E 99+50N	112	280	45	2459	5.2	203	31	940	7.45	114	5	ND	4	52	20.0	17	2	360	.89	.078	10	35	2.58	181	.04	2	3.29	.01	.32	1	13	170
L106+00E 99+25N	77	277	27	2745	3.0	273	45	742	6.98	116	5	ND	1	84	33.5	20	2	334	2.27	.063	9	39	1.91	169	.07	2	3.45	.04	.39	1	6	130
L106+00E 99+00N	26	185	16	1358	1.3	193	24	437	6.33	69	5	ND	1	96	16.0	6	2	316	.93	.120	10	53	2.46	347	.10	4	3.47	.03	.48	1	5	120
L106+00E 98+75N	7	415	23	1305	.9	281	43	643	11.33	72	6	ND	1	92	5.8	4	2	73	.05	.129	11	43	1.18	225	.07	2	4.17	.02	.15	1	17	140
STANDARD C/AU-S	18	60	40	133	7.0	73	31	1048	3.99	40	16	7	37	52	18.8	15	18	60	.58	.097	40	59	.89	175	.09	36	1.90	.06	.13	13	47	1600

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
L106+00E 98+50N	32	225	39	1173	2.1	144	12	433	16.11	95	8	ND	2	135	.7	8	3	161	.13	.310	15	70	.46	340	.03	2	3.35	.03	.19	1	3	160
L107+00E 104+50N	117	168	97	159	7.8	36	3	102	4.11	215	24	ND	1	317	2.9	63	2	1424	.62	1.159	44	157	.17	233	.02	5	1.77	.01	.34	2	1	250
L107+00E 104+00N	148	171	92	82	15.5	20	2	70	3.76	206	26	ND	1	388	4.6	68	2	2160	.63	.969	72	227	.16	149	.01	14	1.50	.01	.47	3	5	720
L107+00E 103+50N	292	135	124	62	10.7	18	3	79	4.28	273	24	ND	3	181	2.6	105	2	2889	.10	.394	46	171	.11	98	.03	7	.97	.01	.51	5	2	440
L107+00E 103+00N	258	355	67	190	23.6	49	4	104	6.72	371	45	ND	7	504	6.9	129	2	5596	1.39	2.027	78	434	.37	83	.07	9	1.85	.01	.76	4	2	4300
L107+00E 102+50N	51	136	40	63	7.0	19	3	37	2.26	177	6	ND	2	374	5.9	39	2	1449	2.53	1.936	33	240	.11	949	.01	18	1.25	.01	.39	1	1	1100
L107+00E 102+00N	69	181	54	127	5.8	27	2	42	2.02	268	12	ND	4	359	2.8	45	2	1647	.77	.857	29	193	.13	1395	.03	11	1.72	.01	.36	3	1	130
L107+00E 101+50N	252	459	135	126	10.9	31	2	37	5.20	1039	32	ND	7	392	4.9	112	4	2399	.97	2.054	67	269	.13	271	.03	8	1.96	.01	.43	3	12	280
L107+00E 101+25N	199	571	50	247	20.7	112	5	132	8.31	448	46	ND	7	575	3.9	121	2	3558	.66	1.511	58	533	.53	155	.11	2	3.13	.02	.43	1	7	320
L107+00E 101+00N	93	200	47	86	5.8	54	3	67	2.37	227	5	ND	5	197	2.0	55	2	1261	.87	.712	29	131	.24	995	.07	5	2.12	.01	.30	1	1	50
L107+00E 100+75N	359	450	112	318	12.4	78	6	152	6.38	1044	55	ND	6	350	3.0	158	4	3843	.43	.951	62	176	.38	192	.09	6	3.40	.02	.55	1	10	350
L107+00E 100+50N	102	542	557	517	17.1	68	8	200	4.30	1863	45	ND	7	696	5.0	119	15	1746	1.12	1.755	63	169	.33	2492	.05	5	4.78	.02	.29	2	5	200
L107+00E 100+25N	42	660	301	1151	15.2	148	10	134	8.43	10373	38	ND	1	479	9.3	262	50	1135	.47	1.353	38	146	.58	6002	.04	4	3.45	.02	.18	1	1110	150
L107+00E 99+75N	12	244	46	776	.3	152	10	226	7.34	424	11	ND	5	411	2.6	27	6	244	.66	2.104	39	64	1.24	510	.02	2	11.33	.01	.17	1	41	190
L107+00E 99+50N	58	365	96	517	5.3	128	8	128	14.15	707	16	ND	5	577	2.7	59	2	368	.35	2.201	31	81	.55	65	.05	2	6.83	.08	.53	1	44	230
L107+00E 99+25N	30	173	20	1818	1.7	239	28	611	6.99	76	5	ND	3	86	16.7	16	2	364	.65	.165	9	74	3.27	588	.11	2	3.49	.02	.43	1	3	130
L107+00E 99+00N	14	366	28	1089	1.6	188	29	538	12.77	97	7	ND	3	130	4.4	10	2	163	.09	.218	12	73	2.08	268	.10	2	5.42	.04	.35	1	4	120
L107+00E 98+75N	6	486	23	889	1.7	186	29	379	14.68	90	5	ND	3	156	3.7	15	2	106	.15	.192	11	68	1.70	188	.08	2	5.92	.07	.36	1	1	130
L107+00E 98+50N	24	307	41	1257	1.9	165	13	468	20.35	117	10	ND	5	158	3.1	13	2	241	.11	.395	13	88	.64	152	.04	2	4.65	.04	.24	1	1	140
L107+00E 98+00N	78	101	32	727	4.6	139	12	253	5.49	146	10	ND	6	204	6.4	12	2	326	.52	.541	19	94	.24	159	.02	2	1.79	.04	.32	1	5	330
L107+00E 97+50N	184	72	85	68	5.5	14	2	52	3.22	201	6	ND	7	276	2.0	24	2	353	.11	.590	34	89	.05	148	.01	11	.66	.01	.33	3	2	680
L107+00E 97+00N	41	176	196	378	6.7	79	13	366	10.37	312	31	ND	2	499	.2	59	3	299	.58	2.066	36	121	.08	52	.01	4	1.44	.02	.69	2	2	1050
L107+00E 96+50N	24	214	94	418	4.6	141	19	1032	11.03	202	19	ND	4	343	.2	23	2	350	.54	1.524	35	143	1.60	96	.05	2	2.46	.03	.51	1	7	730
L107+00E 96+00N	5	130	44	487	.1	116	54	2429	15.23	42	5	ND	5	92	.7	7	3	40	.12	.064	5	44	2.65	277	.10	2	5.37	.04	.43	1	9	170
L107+00E 95+50N	9	255	61	283	2.7	53	12	371	18.37	62	5	ND	9	249	.9	16	2	91	.13	.349	7	81	1.16	86	.08	2	3.81	.10	.92	1	15	80
L108+00E 99+75N	121	145	153	183	4.3	36	4	83	5.69	547	5	ND	8	165	4.0	43	2	250	.28	1.134	43	46	.62	125	.04	2	2.35	.02	.38	1	166	190
L108+00E 99+50N	122	214	56	124	3.8	41	3	76	5.02	229	5	ND	5	147	3.3	30	2	503	.10	.502	25	67	1.16	301	.04	2	4.32	.01	.39	1	7	130
L109+00E 104+50N	103	230	71	314	5.0	81	6	193	4.56	295	66	ND	2	528	10.1	61	2	1065	.82	2.128	36	148	.23	329	.03	10	2.67	.01	.28	1	7	280
L109+00E 104+00N	38	70	28	52	4.8	16	2	61	1.89	136	5	ND	3	209	3.4	33	2	1147	1.56	1.147	27	162	.10	883	.03	12	1.02	.01	.33	1	1	220
L109+00E 103+50N	88	150	62	86	8.8	27	3	102	4.00	294	38	ND	2	252	4.8	65	2	1612	1.18	1.619	47	232	.14	258	.02	10	1.23	.01	.44	1	12	700
L109+00E 103+00N	75	170	45	134	8.9	35	3	87	3.68	335	37	ND	2	474	4.6	66	2	1541	.98	1.564	40	218	.18	777	.02	8	1.29	.02	.27	1	5	520
L109+00E 102+50N	84	147	116	88	14.7	19	4	82	3.48	424	64	ND	6	164	6.3	108	2	1431	1.34	2.203	64	408	.11	1535	.01	16	1.53	.01	.37	1	20	8200
L109+00E 102+00N	64	325	162	108	10.2	23	4	84	3.07	533	29	ND	6	310	11.6	56	2	1948	1.21	2.080	47	213	.13	630	.02	21	2.02	.01	.40	1	5	2700
L109+00E 101+50N	99	310	374	168	9.8	17	4	68	2.79	1641	39	ND	6	414	12.4	105	5	1639	1.57	2.264	50	233	.17	1991	.03	14	2.26	.02	.32	1	8	3800
L109+00E 101+25N	110	160	223	109	5.0	20	3	51	1.95	1573	17	ND	6	309	3.4	54	2	2200	.38	.911	44	186	.18	1429	.03	13	1.71	.01	.42	1	7	1050
L109+00E 101+00N	159	235	1192	385	11.6	23	10	84	3.65	4264	41	ND	7	766	6.3	191	2	1686	.52	2.267	55	213	.22	8306	.05	5	3.32	.01	.26	1	35	4800
STANDARD C/AU-S	20	63	43	134	7.4	71	33	1054	3.95	39	18	7	38	52	18.6	15	19	61	.52	.095	40	61	.88	183	.08	38	1.88	.07	.13	14	46	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
L109+00E 100+75N	81	280	297	660	10.8	36	13	108	4.27	6482	50	ND	8	955	6.5	179	8	1009	.85	2.557	64	163	.37	14817	.04	3	4.79	.01	.19	1	430	3500
L109+00E 100+50N	57	215	231	713	9.1	36	18	62	3.76	7705	21	ND	8	792	5.7	201	13	1101	.40	1.998	44	225	.27	19755	.05	5	4.59	.01	.16	1	1540	390
L109+00E 100+25N	26	164	135	601	9.2	13	20	9	1.41	8974	5	2	10	629	3.0	151	11	496	.28	1.825	33	364	.03	22868	.04	2	3.60	.01	.03	1	1580	180
L109+00E 99+75N	12	70	21	127	.4	51	2	62	2.34	154	5	ND	1	57	1.3	7	2	171	.10	.176	11	37	.66	569	.02	2	2.09	.03	.09	1	22	60
L109+00E 99+50N	44	224	29	93	1.2	70	2	107	5.02	218	5	ND	1	78	2.0	22	2	268	.10	.254	27	60	1.85	375	.11	2	5.10	.02	.51	1	25	100
L109+00E 99+25N	85	156	26	106	1.8	51	3	131	4.76	234	10	ND	1	110	2.2	22	2	523	.06	.250	26	68	1.26	628	.06	2	3.65	.01	.28	1	16	80
L109+00E 99+00N	82	173	21	123	2.0	54	4	137	4.62	169	17	ND	1	102	1.0	19	2	489	.05	.264	22	68	1.02	467	.06	2	3.37	.01	.26	1	11	70
L109+00E 98+75N	74	264	30	315	2.2	90	7	231	7.23	179	13	ND	2	203	1.8	28	2	479	.11	.433	23	81	1.49	264	.11	4	4.11	.04	.33	1	19	120
L109+00E 98+50N	14	54	19	188	.6	66	4	159	3.42	53	7	ND	1	61	.7	4	2	362	.06	.139	13	100	.64	321	.03	2	2.24	.02	.12	1	10	90
L109+00E 98+00N	8	153	19	519	.5	150	12	445	10.02	46	12	ND	2	73	1.1	4	12	133	.03	.202	14	64	1.47	304	.08	2	3.14	.02	.14	3	11	100
L109+00E 97+50N	17	103	20	286	.8	87	12	543	5.48	75	15	ND	2	148	.9	10	2	219	.37	.464	30	78	.53	554	.06	2	1.94	.02	.20	1	4	110
L109+00E 97+00N	7	74	29	166	.1	56	13	601	4.27	39	7	ND	3	60	.5	9	2	129	.29	.173	13	65	1.68	394	.15	2	3.26	.03	.28	1	8	90
L109+00E 96+50N	4	87	26	212	.3	65	26	807	6.15	68	7	ND	4	89	1.2	11	2	105	.61	.108	12	63	2.35	485	.22	2	4.20	.05	.48	1	12	50
L109+00E 96+00N	6	110	49	285	.2	81	31	887	6.88	73	9	ND	5	65	1.9	10	3	96	.30	.103	13	56	2.40	545	.19	2	4.21	.02	.44	3	8	80
L109+00E 95+50N	6	115	10	288	.4	79	26	813	6.64	51	10	ND	4	73	1.6	17	2	99	.32	.098	11	57	2.90	621	.17	2	4.29	.01	.39	1	11	70
L110+00E 104+50N	69	1044	77	1848	5.5	373	9	386	6.71	456	44	ND	1	267	10.3	125	2	729	1.23	1.192	26	101	.30	1315	.04	6	3.09	.01	.19	1	12	730
L110+00E 104+00N	87	155	55	213	4.5	35	3	158	4.29	212	37	ND	1	211	5.2	42	2	978	.92	1.399	29	113	.17	223	.02	6	1.73	.02	.30	1	10	460
L110+00E 103+50N	65	103	49	146	5.8	38	3	104	4.26	295	40	ND	1	244	3.3	55	2	952	1.09	1.271	41	167	.23	493	.01	8	1.35	.01	.27	1	50	240
L110+00E 103+00N	66	102	34	58	6.1	15	2	65	2.65	198	26	ND	1	225	2.2	36	2	956	.42	.584	31	126	.07	637	.01	5	.78	.02	.19	2	1	430
L110+00E 102+50N	102	129	36	94	6.8	19	3	82	3.84	210	48	ND	1	623	5.2	53	3	1658	.50	1.063	27	132	.08	631	.01	2	1.07	.02	.20	2	1	1800
L110+00E 102+00N	64	279	92	123	7.4	25	3	76	2.89	739	39	ND	5	284	9.7	55	2	1422	1.10	1.629	41	200	.17	1515	.02	16	1.95	.01	.27	1	56	1500
L110+00E 101+50N	108	302	149	55	13.8	17	1	18	2.04	322	26	ND	6	233	4.2	68	17	1756	1.19	.925	50	183	.07	567	.01	14	1.25	.01	.37	1	22	1300
L110+00E 101+25N	65	455	80	73	8.7	21	2	53	3.07	638	42	ND	7	376	11.4	66	3	1583	1.47	1.856	53	276	.07	1142	.01	15	1.55	.01	.34	2	27	1800
L110+00E 101+00N	76	555	68	104	9.1	25	2	25	3.26	690	26	ND	6	337	7.5	87	3	1381	1.69	2.309	38	259	.12	1499	.01	14	1.98	.01	.27	1	56	5800
L110+00E 100+75N	103	384	122	226	5.8	32	5	86	3.94	3384	50	ND	5	599	16.7	138	8	1181	1.97	3.060	45	221	.69	3355	.04	4	3.41	.01	.20	1	260	1900
L110+00E 100+50N	124	473	265	213	6.1	33	5	121	4.31	2437	53	ND	5	299	11.7	143	2	1582	1.43	2.115	44	216	.43	1414	.05	10	2.83	.01	.29	1	161	1300
L110+00E 100+25N	298	320	241	200	10.9	21	3	76	4.32	5508	57	ND	6	186	4.8	220	12	3973	.25	.932	32	204	.27	218	.07	19	2.44	.01	.63	3	470	9000
L110+00E 99+75N	74	231	180	349	5.7	41	7	170	4.16	5418	65	ND	6	658	11.9	314	11	1024	2.70	3.244	46	171	.37	5310	.05	7	4.44	.02	.26	1	560	1500
L110+00E 99+50N	38	285	264	299	5.0	19	3	70	3.70	4388	15	ND	7	413	4.4	212	7	589	1.07	1.559	33	120	.75	1043	.05	2	3.79	.01	.35	3	52	540
L110+00E 99+25N	42	344	227	288	3.5	32	4	70	3.09	5874	14	ND	7	469	4.9	214	14	666	.37	1.098	38	110	.71	3305	.05	2	3.49	.02	.21	1	1590	150
L110+00E 99+00N	44	367	336	131	4.9	47	3	71	2.97	5131	9	ND	7	250	4.1	190	2	887	.76	.943	44	131	.64	1460	.07	2	3.09	.01	.27	1	850	80
L110+00E 98+75N	11	91	17	157	.3	63	3	93	3.19	162	5	ND	1	88	2.5	16	2	172	.22	.287	26	47	1.35	912	.03	5	3.17	.01	.25	1	26	90
L110+00E 98+50N	26	207	31	183	.9	110	5	187	4.06	170	12	ND	3	84	5.0	20	2	258	.22	.309	23	55	2.20	736	.14	2	4.47	.01	.55	1	17	60
L110+00E 98+00N	29	167	24	90	1.2	77	3	132	3.39	108	10	ND	1	76	1.3	17	2	367	.07	.179	19	61	2.35	763	.07	2	4.18	.01	.29	1	13	70
L110+00E 97+50N	12	86	19	255	.6	81	5	171	3.66	56	12	ND	1	84	.5	5	2	278	.16	.239	14	82	1.13	326	.07	2	2.46	.03	.17	1	5	80
L110+00E 97+00N	23	72	34	199	1.5	55	8	346	3.45	81	14	ND	1	94	.2	9	2	190	.53	.416	24	53	.40	480	.04	7	1.46	.02	.17	1	8	120
STANDARD C/AU-S	20	62	42	133	7.0	74	32	1057	3.98	41	15	7	37	52	18.5	16	18	60	.60	.082	39	61	.89	183	.08	36	1.89	.06	.13	11	47	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
L110+00E 96+50N	7	106	41	257	.4	67	22	996	6.01	52	5	ND	4	54	2.1	11	5	122	.34	.232	15	67	2.27	431	.16	2	4.22	.01	.35	4	6	100
L110+00E 96+00N	1	5	5	22	.1	1	1	68	.42	2	5	ND	1	3	.2	2	5	8	.02	.010	2	1	.16	28	.01	2	.32	.01	.02	3	4	120
L110+00E 95+50N	6	106	47	323	.7	81	23	819	7.55	68	5	ND	2	67	1.9	16	2	121	.31	.160	15	64	2.64	677	.16	8	4.20	.01	.37	1	7	110
L111+00E 104+50N	17	30	23	97	1.2	19	2	39	1.13	43	5	ND	1	46	.2	9	2	214	.08	.148	10	28	.06	849	.01	2	.65	.03	.06	2	2	190
L111+00E 104+00N	18	155	37	279	3.5	53	3	91	2.19	150	5	ND	1	110	2.2	17	2	472	.47	.459	18	86	.52	748	.01	6	1.71	.02	.11	3	6	400
L111+00E 103+50N	27	155	35	177	3.8	37	2	50	1.90	261	16	ND	3	320	6.7	39	2	1611	3.18	1.811	30	190	.18	1296	.01	25	1.60	.01	.46	1	6	460
L111+00E 103+00N	20	106	44	172	4.8	34	3	68	1.86	141	5	ND	1	99	.9	18	2	535	.30	.437	19	84	.40	701	.01	5	1.44	.03	.12	2	9	390
L111+00E 102+50N	54	258	75	432	6.9	85	5	193	3.62	376	28	ND	1	204	5.5	60	2	1239	1.06	1.008	33	143	.57	1085	.03	11	1.76	.01	.30	1	20	450
L111+00E 102+00N	78	361	94	469	8.3	94	5	179	4.46	497	38	ND	5	271	8.4	92	2	1640	1.44	1.388	38	184	.61	358	.03	17	1.93	.01	.41	2	22	3200
L111+00E 101+50N	63	381	106	336	10.9	64	4	109	4.07	811	43	ND	5	586	11.0	81	2	1354	1.52	1.685	49	185	.33	503	.03	18	2.10	.01	.40	1	29	1500
L111+00E 101+25N	38	365	103	511	8.8	107	4	84	3.18	946	20	ND	1	360	6.0	50	2	994	1.14	.929	35	148	.61	1581	.02	11	1.96	.01	.29	1	310	800
L111+00E 101+00N	30	334	89	561	4.5	126	5	99	3.67	1016	14	ND	1	271	5.3	49	4	824	.94	.868	31	127	.50	1298	.02	12	1.85	.01	.24	1	70	210
L111+00E 100+75N	16	140	66	449	2.0	82	2	71	1.73	209	5	ND	1	220	3.9	22	2	548	1.77	1.199	23	153	.11	465	.01	13	1.61	.01	.19	1	4	150
L111+00E 100+50N	27	493	33	2036	4.9	360	15	358	6.59	572	22	ND	1	196	11.3	44	2	346	.36	.471	32	68	.39	488	.01	10	1.37	.01	.25	1	29	200
L111+00E 100+25N	54	252	77	240	7.2	43	3	70	2.70	622	18	ND	1	283	5.5	66	3	1332	.76	.915	29	143	.17	1369	.01	14	1.40	.01	.28	3	40	930
L111+00E 99+75N	68	819	107	914	11.0	258	7	157	5.03	2634	36	ND	4	347	12.6	124	5	1636	1.53	1.328	34	180	.33	781	.01	20	1.80	.01	.36	1	124	310
L111+00E 99+50N	62	719	947	1056	7.0	139	8	174	9.79	5692	34	ND	6	728	12.3	316	16	943	.95	1.377	35	98	.58	149	.04	11	3.23	.02	.44	1	960	110
L111+00E 99+25N	23	464	311	860	4.0	132	21	386	7.04	2957	12	ND	5	206	12.5	120	9	476	.58	.621	29	91	2.11	1458	.08	6	3.89	.02	.28	1	670	60
L111+00E 99+00N	13	246	116	388	2.3	83	8	163	3.99	1538	8	ND	1	84	3.7	36	5	173	.16	.228	14	55	1.29	770	.03	3	2.33	.02	.13	1	450	90
L111+00E 98+75N	41	201	283	119	3.9	33	2	45	1.83	1707	10	ND	4	152	1.1	65	3	1219	.93	.888	23	128	.59	2101	.05	9	1.91	.01	.30	1	131	280
L111+00E 98+50N	19	200	168	93	1.9	36	2	36	2.18	2306	5	ND	5	171	2.0	68	2	543	1.05	.948	21	109	.73	1318	.06	11	2.05	.01	.34	1	111	90
L111+00E 98+00N	6	57	55	60	1.3	19	2	64	1.35	379	5	ND	1	37	.2	13	2	116	.13	.151	8	33	.47	542	.03	3	1.46	.03	.07	1	56	100
L111+00E 97+50N	3	42	16	144	.3	30	6	193	2.44	35	5	ND	1	27	.5	4	2	79	.36	.133	15	36	1.18	249	.04	2	2.09	.03	.11	1	6	90
L111+00E 97+00N	3	62	14	182	.4	52	10	406	4.00	29	5	ND	2	35	2.0	7	2	98	.77	.255	22	44	2.03	264	.08	10	2.43	.01	.24	4	6	70
L111+00E 96+50N	3	59	14	180	.5	52	10	392	3.88	36	5	ND	2	35	1.5	9	4	95	.74	.252	23	42	1.89	258	.07	8	2.29	.01	.24	1	8	80
L111+00E 96+00N	9	47	16	213	.4	44	8	384	4.46	47	5	ND	1	44	1.5	7	2	135	.28	.167	15	66	1.14	298	.06	2	2.51	.01	.17	1	8	70
L111+00E 95+50N	2	73	34	192	.4	55	16	805	5.21	51	5	ND	1	72	.7	14	2	117	.76	.159	12	74	2.53	334	.15	4	4.04	.03	.18	1	4	80
L112+00E 104+50N	6	15	11	52	1.1	13	2	62	.90	18	5	ND	1	20	.2	4	2	59	.08	.059	3	12	.11	286	.02	2	.35	.03	.03	1	1	150
L112+00E 104+00N	39	60	43	206	2.8	51	2	38	2.04	87	5	ND	1	57	2.1	20	3	259	.07	.274	13	41	.04	1064	.01	9	.55	.01	.10	1	6	330
L112+00E 103+50N	30	55	28	195	2.9	37	2	51	2.81	91	5	ND	1	63	1.7	19	4	240	.06	.248	7	31	.09	230	.01	2	.72	.02	.12	1	4	240
L112+00E 103+00N	5	51	19	137	1.6	24	2	45	1.18	41	5	ND	1	38	.2	7	2	228	.14	.162	9	44	.31	747	.01	4	.84	.03	.05	1	4	220
L112+00E 102+50N	35	244	51	734	3.7	138	6	210	3.38	294	15	ND	1	179	6.6	41	3	869	1.38	.972	34	137	1.04	852	.04	11	1.73	.01	.28	1	16	210
L112+00E 102+00N	43	210	46	591	5.3	117	6	208	3.52	277	22	ND	1	187	7.2	47	2	1079	1.20	1.007	32	152	.87	966	.03	8	1.71	.01	.29	1	5	920
L112+00E 101+50N	67	280	68	426	11.6	81	8	288	4.90	425	61	ND	5	268	9.6	90	2	1639	1.11	1.976	46	218	.70	960	.03	20	2.05	.01	.37	2	6	3300
L112+00E 101+25N	59	351	91	755	10.3	143	6	203	4.66	519	47	ND	2	407	8.6	85	2	1171	1.52	1.512	50	216	1.06	526	.03	10	2.10	.01	.37	1	8	440
L112+00E 101+00N	169	424	145	500	13.3	77	5	169	5.47	779	74	ND	7	474	14.2	192	2	1332	1.20	1.780	58	196	.26	212	.01	22	1.98	.01	.47	1	18	740
STANDARD C/AU-S	18	63	35	131	7.5	73	31	1054	3.98	42	17	8	36	53	18.4	16	23	57	.51	.096	38	61	.88	181	.07	36	1.91	.06	.14	11	46	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
L112+00E 100+75N	69	190	56	263	11.2	52	2	89	3.18	179	29	ND	1	151	7.3	51	8	576	.36	.585	26	93	.22	289	.01	8	1.15	.01	.28	2	2	320
L112+00E 100+50N	41	4725	88	12466	26.1	1115	47	1919	7.75	1428	60	ND	7	543	923.3	105	78	574	3.71	1.486	55	185	1.84	1947	.02	12	2.75	.01	.26	1	21	1500
L112+00E 100+25N	69	368	23	3441	4.1	382	9	223	3.09	166	13	ND	2	70	36.5	39	2	1120	1.49	.272	32	91	4.15	1167	.06	7	2.42	.01	.32	1	4	650
L112+00E 99+75N	65	234	30	2705	2.8	326	9	213	2.97	106	11	ND	2	50	19.0	32	3	1123	1.24	.131	22	84	4.67	656	.10	4	2.69	.01	.35	1	4	460
L112+00E 99+50N	51	137	22	1370	1.2	275	12	253	3.11	77	14	ND	3	49	7.3	27	2	814	1.02	.115	15	77	4.17	602	.12	5	2.73	.01	.23	1	6	230
L112+00E 99+25N	55	132	36	1493	1.4	285	10	263	2.96	76	16	ND	3	44	11.4	21	4	917	.91	.114	16	77	4.75	561	.13	3	2.91	.01	.30	1	5	250
L112+00E 99+00N	47	84	31	651	.8	197	9	318	3.31	68	11	ND	1	32	5.6	24	2	535	.38	.086	10	85	3.25	398	.17	2	2.78	.01	.16	1	5	120
L112+00E 98+75N	43	81	30	1028	.7	209	9	252	2.34	55	15	ND	1	28	6.3	22	2	753	.39	.083	12	74	3.85	531	.13	2	2.58	.01	.13	1	6	130
L112+00E 98+50N	35	100	22	1123	.6	190	9	264	2.22	57	15	ND	1	34	8.1	21	2	698	.42	.132	12	76	3.29	521	.10	2	2.45	.01	.14	1	3	150
L112+00E 98+00N	38	167	24	1747	1.7	235	9	268	2.51	69	11	ND	1	77	13.4	26	2	869	.97	.334	16	111	3.59	639	.08	3	2.48	.01	.17	1	3	220
L112+00E 97+50N	66	234	31	1931	2.4	318	10	238	3.58	135	12	ND	2	65	23.5	32	2	628	.69	.283	19	87	3.30	808	.10	4	2.53	.01	.30	1	8	260
L112+00E 97+00N	10	79	18	355	.5	78	12	447	4.31	42	5	ND	3	39	2.2	10	2	129	.33	.196	17	51	1.45	316	.10	6	2.44	.01	.23	1	2	90
L112+00E 96+50N	5	36	20	99	.2	24	5	248	3.27	25	6	ND	1	22	.2	3	2	100	.12	.132	12	47	1.08	204	.05	2	2.31	.01	.11	1	1	80
L112+00E 96+00N	3	42	19	110	.2	31	8	425	2.98	24	5	ND	1	39	.2	5	2	71	.25	.109	10	35	1.08	229	.07	2	2.31	.03	.10	1	1	70
L112+00E 95+50N	3	49	23	123	.3	37	10	571	3.92	28	5	ND	1	54	.3	8	3	91	.43	.134	10	55	1.54	301	.09	3	2.83	.03	.16	1	2	50
L113+00E 102+00N	50	370	118	842	5.6	152	7	244	4.04	238	24	ND	1	277	9.5	63	8	726	1.26	1.047	33	143	.98	842	.02	9	1.69	.01	.28	1	9	330
L113+00E 101+50N	61	187	75	468	4.1	95	7	206	3.90	246	16	ND	2	212	7.2	61	2	438	.71	.740	24	74	1.10	790	.05	11	1.65	.01	.25	1	10	520
L113+00E 101+25N	72	204	47	538	6.7	112	6	214	3.57	299	23	ND	1	284	6.9	66	2	713	.59	.566	25	110	1.17	788	.05	7	1.86	.01	.29	1	8	500
L113+00E 101+00N	43	160	44	711	3.5	159	6	308	3.41	267	13	ND	1	290	6.0	49	2	631	1.77	1.048	26	149	.80	818	.02	8	1.66	.01	.26	2	10	380
L113+00E 100+75N	56	127	45	861	2.7	193	9	314	3.60	121	13	ND	1	98	6.0	41	4	523	.62	.296	25	84	3.21	853	.09	5	2.46	.01	.23	1	9	230
L113+00E 100+50N	46	101	51	556	1.5	122	6	132	4.44	232	12	ND	1	114	1.6	32	2	486	.21	.224	17	79	1.42	622	.06	5	2.17	.01	.17	1	7	270
L113+00E 100+25N	43	202	30	1303	1.3	290	21	543	5.15	120	7	ND	3	117	3.4	27	2	290	.31	.222	16	83	3.00	460	.10	2	3.95	.01	.24	1	6	180
L113+00E 99+75N	1	47	16	220	.8	48	9	534	4.21	62	8	ND	2	239	1.2	13	2	43	6.72	.096	4	43	3.99	197	.07	7	2.57	.01	.14	1	6	60
L113+00E 99+50N	2	85	28	481	2.3	69	17	488	6.35	1737	5	ND	2	50	3.8	19	11	64	.64	.066	5	63	4.02	167	.08	5	3.99	.01	.19	2	31	90
L113+00E 99+25N	4	132	55	565	4.2	92	18	454	6.86	3243	5	ND	1	55	5.5	34	39	73	.52	.099	5	64	3.29	202	.06	4	3.66	.01	.21	1	87	70
L113+00E 99+00N	2	49	25	237	1.6	46	10	453	4.27	357	5	ND	1	44	1.5	15	4	71	.56	.071	3	67	4.11	222	.08	3	3.46	.01	.09	3	12	80
L113+00E 98+75N	2	87	37	684	3.4	71	14	453	4.87	1433	5	ND	1	33	6.9	21	20	67	.32	.070	4	61	3.64	196	.07	3	3.62	.01	.16	1	45	110
L113+00E 98+50N	4	104	28	403	2.1	84	14	304	4.37	1063	5	ND	2	34	2.8	21	18	86	.28	.061	4	66	2.97	239	.07	3	3.67	.01	.19	1	38	90
L113+00E 98+00N	5	141	18	427	2.1	90	13	335	5.00	1317	5	ND	3	29	2.4	21	19	84	.20	.117	7	70	2.61	192	.09	3	4.15	.01	.26	1	30	80
L113+00E 97+50N	6	113	26	935	1.7	108	14	406	4.64	791	5	ND	2	38	4.4	20	7	133	.31	.137	8	66	2.76	347	.09	4	3.56	.01	.22	1	24	100
L113+00E 97+00N	5	87	37	249	.2	54	19	673	4.53	50	5	ND	1	32	.4	12	2	96	.23	.126	12	52	1.99	352	.11	2	3.28	.02	.19	1	3	110
L113+00E 96+50N	6	79	33	206	.5	53	13	627	5.59	42	5	ND	1	76	.3	14	2	110	.48	.201	14	62	1.63	365	.11	8	3.07	.03	.24	2	6	70
L113+00E 96+00N	5	39	27	106	.2	28	6	344	4.21	31	5	ND	1	31	.2	7	2	97	.11	.108	11	57	.95	229	.07	2	2.26	.01	.11	1	2	60
L113+00E 95+50N	3	58	33	154	.3	42	9	432	4.70	39	5	ND	1	58	.5	10	2	77	.29	.121	10	59	1.59	320	.10	2	2.89	.02	.16	1	4	50
L114+00E 102+00N	29	299	23	626	4.2	98	5	105	2.19	198	17	ND	2	313	26.0	46	2	705	1.23	.711	26	95	.15	1323	.01	17	.90	.01	.22	1	5	4600
L114+00E 101+50N	33	1082	30	1946	5.8	382	12	241	3.52	238	18	ND	1	165	14.0	42	4	661	1.05	.679	26	113	1.06	1255	.03	9	1.94	.01	.24	1	6	1100
STANDARD C/AU-S	18	63	41	135	7.3	73	32	1055	3.98	44	17	6	37	53	18.5	16	22	57	.52	.094	37	59	.88	182	.07	37	1.88	.06	.14	11	45	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
L114+00E 101+25N	32	1605	37	4039	4.7	543	20	549	4.17	269	18	ND	1	252	46.8	46	2	572	1.36	.847	27	116	1.51	1876	.03	7	2.33	.01	.17	1	7	730
L114+00E 101+00N	16	337	35	668	2.8	118	9	210	3.94	241	5	ND	5	120	7.0	33	2	277	.50	.327	14	75	2.01	786	.10	2	2.74	.01	.29	1	14	280
L114+00E 100+75N	44	245	45	225	6.6	34	4	72	2.35	275	22	ND	2	309	10.8	42	2	1093	.91	.976	34	107	.13	1124	.01	12	1.11	.01	.24	1	9	920
L114+00E 100+50N	31	119	18	90	3.3	18	2	36	1.28	77	5	ND	2	250	2.7	21	3	1182	.67	.482	21	83	.09	805	.01	11	.86	.01	.25	2	4	300
L114+00E 100+25N	96	272	68	344	8.2	59	4	87	4.74	486	23	ND	2	639	6.5	72	5	1718	.57	.809	38	121	.35	189	.02	8	1.44	.01	.36	1	15	590
L114+00E 99+75N	24	134	49	382	3.2	55	4	64	2.88	136	7	ND	1	415	3.8	28	2	457	.61	.709	26	84	.10	940	.01	4	.95	.01	.13	1	5	250
L114+00E 99+50N	14	114	30	111	2.2	21	2	26	1.71	147	5	ND	2	364	2.5	28	2	402	2.26	1.258	15	68	.06	467	.01	13	.78	.01	.19	1	7	50
L114+00E 99+25N	16	161	25	159	5.6	38	3	92	1.68	131	14	ND	1	165	4.6	24	5	236	.88	.617	14	48	.15	527	.01	4	.79	.01	.11	1	8	290
L114+00E 99+00N	21	97	81	315	3.7	67	4	111	2.10	211	7	ND	1	152	4.4	32	6	174	.29	.410	11	59	.43	623	.01	5	1.24	.01	.12	1	9	220
L114+00E 98+75N	46	496	73	1985	5.6	345	18	383	6.79	1998	11	ND	1	130	23.2	90	18	343	.75	.485	19	83	2.32	717	.04	4	3.05	.01	.22	1	61	190
L114+00E 98+50N	5	68	10	203	1.4	44	3	140	1.16	171	6	ND	1	23	5.8	7	2	79	.09	.136	6	36	.86	304	.01	3	1.27	.01	.05	1	5	100
L114+00E 98+00N	18	73	45	541	1.5	108	4	78	2.77	896	5	ND	1	42	2.7	34	10	160	.05	.123	12	41	.82	328	.01	4	1.30	.01	.08	2	16	60
L114+00E 97+50N	37	438	147	1668	5.1	257	15	320	6.20	2492	10	ND	1	204	25.7	108	29	364	.33	.379	24	81	2.02	1113	.06	3	2.47	.01	.22	1	79	180
L114+00E 97+00N	72	94	20	892	.7	235	23	616	3.69	134	6	ND	6	36	12.9	32	2	272	.26	.106	13	67	3.75	500	.10	4	2.46	.01	.76	1	10	310
L114+00E 96+50N	8	78	30	230	.6	61	15	665	5.33	54	5	ND	1	75	2.2	14	2	113	.45	.221	14	65	1.49	352	.10	2	2.77	.02	.24	1	4	80
L114+00E 96+00N	6	98	31	213	.6	67	26	1130	7.82	68	5	ND	2	116	2.4	18	3	98	.47	.222	13	75	1.84	410	.14	2	3.59	.03	.44	3	10	100
L114+00E 95+50N	15	90	20	274	.9	80	14	516	5.40	84	5	ND	1	68	2.1	12	3	125	.32	.286	18	59	.97	386	.05	2	2.06	.01	.22	1	10	110
L115+00E 102+50N	78	220	289	799	12.5	138	4	150	3.13	1846	13	ND	3	482	13.3	145	7	896	.50	.457	30	90	.11	287	.08	9	1.66	.01	.30	1	103	2900
L115+00E 102+00N	115	364	95	865	4.7	84	6	123	1.75	229	14	ND	7	520	46.6	85	7	670	.32	.185	38	32	.07	586	.01	4	.78	.01	.20	1	49	22000
L115+00E 101+50N	80	514	63	1986	8.4	311	9	215	5.38	425	23	ND	6	705	35.7	110	2	1497	1.66	1.317	34	191	.60	185	.02	10	1.70	.01	.41	1	13	8300
L115+00E 101+25N	36	345	70	1867	6.4	300	10	217	4.00	239	13	ND	7	618	36.1	76	6	597	1.26	.923	28	123	1.14	1563	.05	6	1.57	.01	.28	1	11	1600
L115+00E 101+00N	50	596	90	3069	7.5	567	15	364	6.69	509	31	ND	6	740	68.4	119	2	584	2.91	2.158	39	161	.25	1451	.01	10	1.74	.01	.25	1	11	3600
L115+00E 100+75N	67	602	58	5022	4.8	807	24	427	6.45	478	26	ND	7	488	120.0	119	2	483	1.90	.949	35	102	1.42	2018	.01	5	1.70	.01	.21	1	14	5700
L115+00E 100+50N	73	821	81	4518	8.2	726	24	450	7.19	716	46	ND	6	765	78.5	174	2	638	2.55	1.787	51	147	.23	3083	.01	9	1.72	.01	.20	1	19	8200
L115+00E 100+25N	179	1825	477	6847	10.2	1160	30	639	14.93	958	53	ND	5	121	49.7	173	7	368	1.12	.932	55	179	.33	1312	.01	3	1.42	.01	.16	1	32	810
L115+00E 99+75N	59	340	180	247	10.1	58	3	78	3.74	441	57	ND	1	296	7.9	62	2	1118	1.95	2.148	48	239	.15	1063	.01	11	1.42	.01	.30	3	13	410
L115+00E 99+50N	47	105	41	135	4.4	31	3	57	2.18	240	23	ND	4	299	3.7	53	2	1776	1.20	.984	32	196	.13	760	.01	17	1.26	.01	.38	2	11	120
L115+00E 99+25N	56	152	34	215	5.5	43	2	67	2.32	170	27	ND	3	420	3.8	44	2	1854	.69	.686	31	158	.14	708	.01	15	1.26	.01	.37	2	8	130
L115+00E 99+00N	47	69	55	216	3.5	42	2	115	1.80	65	15	ND	1	390	1.0	19	2	932	.32	.469	28	144	.05	644	.01	9	.90	.01	.22	2	4	60
L115+00E 98+75N	34	106	31	466	3.5	99	4	72	2.14	132	10	ND	1	144	3.3	22	2	453	.39	.397	20	87	.20	729	.01	7	1.06	.01	.14	1	7	150
L115+00E 98+50N	8	16	10	93	.8	18	2	163	.95	31	5	ND	1	34	.2	6	2	102	.07	.109	7	14	.05	185	.01	4	.46	.02	.05	2	2	40
L115+00E 98+00N	8	54	24	221	1.4	40	3	56	1.51	66	5	ND	1	67	2.1	7	2	199	.14	.214	12	40	.30	432	.01	6	1.12	.02	.07	1	2	120
L115+00E 97+50N	3	9	6	51	.3	12	2	85	.90	19	5	ND	1	22	.2	3	2	62	.05	.057	4	9	.07	177	.01	3	.34	.02	.04	2	1	30
L115+00E 97+00N	19	147	90	268	3.8	50	6	201	14.72	214	5	ND	3	214	1.7	41	2	98	.06	.464	8	60	1.17	145	.06	2	2.15	.02	.76	1	26	120
L115+00E 96+50N	5	141	19	591	.7	159	33	568	4.96	27	5	ND	7	34	4.4	15	2	118	.44	.051	10	79	4.50	810	.20	3	4.76	.01	.67	3	6	170
L115+00E 96+00N	8	68	20	213	.3	78	13	413	4.43	120	5	ND	1	44	2.1	17	6	80	.18	.144	14	46	1.67	526	.08	3	2.14	.01	.22	2	11	60
STANDARD C/AU-S	19	62	42	132	7.2	72	32	1053	3.97	40	18	7	36	53	18.5	15	22	57	.51	.096	38	61	.87	181	.07	37	1.88	.06	.14	11	45	1500

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
L115+00E 95+50N	5	65	44	232	.8	66	18	565	5.23	55	5	ND	2	130	.7	12	2	67	.83	.158	12	52	3.61	4052	.12	5	3.32	.01	.27	1	9	120
L116+00E 102+50N	30	191	81	598	4.9	126	6	169	8.31	263	5	ND	1	155	1.9	50	2	344	.27	.505	16	82	.66	185	.03	9	2.04	.01	.28	1	9	430
L116+00E 102+00N	55	255	148	1136	4.8	241	7	167	6.71	377	13	ND	1	280	4.0	84	2	614	.93	.813	31	111	.66	231	.03	10	1.69	.01	.30	1	11	480
L116+00E 101+50N	64	353	136	976	10.4	192	7	208	4.57	350	21	ND	1	389	7.1	77	3	822	1.02	.938	34	129	.83	520	.03	12	2.25	.01	.29	3	15	900
L116+00E 101+25N	68	468	123	1254	7.8	253	9	289	4.25	358	20	ND	1	268	11.0	92	2	580	.93	.731	31	94	.73	1099	.03	11	2.02	.01	.23	1	18	1500
L116+00E 101+00N	66	400	156	1088	10.3	235	9	290	4.01	328	25	ND	1	334	10.2	85	2	632	.93	.910	32	108	.65	1138	.02	12	1.94	.01	.23	1	16	2700
L116+00E 100+75N	103	373	358	1318	6.8	253	8	168	4.36	370	20	ND	1	380	19.0	96	3	422	.69	.522	28	63	.58	327	.04	10	1.72	.01	.24	1	23	3500
L116+00E 100+50N	100	577	62	2331	8.7	477	17	400	4.06	426	15	ND	3	165	92.0	135	2	392	1.33	.630	50	59	.38	1723	.02	17	1.17	.01	.16	1	26	8300
L116+00E 100+25N	24	236	51	457	2.1	114	7	94	3.53	203	5	ND	1	87	3.1	23	2	164	.14	.222	13	77	1.48	781	.04	7	2.53	.01	.11	1	12	400
L116+00E 99+75N	3	75	16	505	1.3	115	16	335	4.04	155	5	ND	5	85	5.9	13	2	84	.79	.058	5	74	3.78	471	.13	10	4.29	.03	.42	1	17	100
L116+00E 99+50N	4	90	24	216	1.6	67	18	283	7.89	60	5	ND	8	101	1.4	22	3	93	.08	.111	7	91	2.87	383	.24	7	4.43	.01	.56	1	12	110
L116+00E 99+25N	4	63	28	144	.9	47	9	199	7.94	49	5	ND	9	57	1.3	17	2	102	.04	.105	8	102	2.84	229	.30	4	3.60	.01	.45	1	10	90
L116+00E 99+00N	8	281	32	1038	1.9	168	21	372	6.80	105	5	ND	8	74	8.5	18	4	101	.12	.182	9	92	3.24	411	.20	6	5.02	.01	.52	1	11	100
L116+00E 98+75N	6	127	27	356	1.5	109	17	277	5.54	59	5	ND	8	75	2.8	17	2	99	.10	.110	9	102	2.85	414	.20	2	4.87	.01	.64	1	5	140
L116+00E 98+50N	12	265	32	3456	3.3	279	27	664	5.37	93	5	ND	7	104	72.3	20	2	128	.35	.212	16	109	2.78	799	.15	3	4.42	.01	.53	1	9	190
L116+00E 98+00N	9	156	32	2941	3.1	198	17	312	3.73	576	7	ND	2	127	21.6	23	2	217	.46	.331	12	87	2.25	823	.09	6	3.66	.01	.30	1	42	450
L116+00E 97+50N	11	144	132	1637	3.9	459	32	2563	7.62	649	5	ND	13	55	5.0	61	2	48	.40	.223	54	46	.30	1426	.01	4	.66	.01	.11	1	24	280
L116+00E 97+00N	9	71	38	449	.9	122	17	673	5.05	218	5	ND	1	52	4.2	22	2	88	.11	.135	18	49	2.27	1368	.04	8	2.74	.01	.18	1	10	120
L116+00E 96+50N	7	82	34	165	.3	92	18	950	5.50	77	5	ND	2	20	1.2	15	3	53	.02	.070	21	37	2.36	543	.06	4	2.86	.01	.15	1	5	60
L116+00E 96+00N	4	52	27	214	.3	64	15	908	5.68	78	5	ND	2	20	1.4	14	2	61	.04	.079	14	42	2.86	597	.13	5	3.45	.01	.16	1	5	70
L116+00E 95+50N	14	99	51	256	.5	122	32	895	8.90	60	5	ND	3	29	.7	15	2	51	.03	.099	15	35	1.73	434	.05	8	2.38	.01	.27	1	4	40
L117+00E 104+50N	28	109	61	346	2.9	66	6	98	3.73	176	5	ND	1	96	2.2	23	2	237	.04	.232	14	46	.56	375	.01	3	1.47	.01	.14	1	4	260
L117+00E 104+00N	22	98	48	220	3.0	44	6	77	4.73	293	5	ND	1	186	.2	31	2	140	.03	.267	22	33	.22	327	.01	8	.94	.01	.16	1	17	380
L117+00E 103+50N	63	209	54	323	6.4	92	7	124	6.05	285	5	ND	1	170	1.2	39	2	233	.13	.699	18	54	.24	409	.01	7	1.64	.01	.13	1	8	680
L117+00E 103+00N	30	174	79	338	4.1	65	6	104	9.91	248	5	ND	1	114	1.1	36	2	272	.10	.386	16	61	.34	176	.02	2	1.19	.01	.20	1	8	330
L117+00E 102+50N	42	155	91	494	3.4	96	5	73	3.46	226	5	ND	1	122	2.3	29	2	327	.10	.301	18	58	.56	465	.01	5	1.58	.01	.15	1	9	280
L117+00E 102+00N	38	178	83	588	3.8	106	5	98	3.82	218	5	ND	1	142	3.7	30	2	343	.23	.307	18	60	.70	239	.03	6	1.79	.01	.19	1	10	300
L117+00E 101+50N	43	181	79	643	4.9	110	7	160	3.75	281	13	ND	1	136	3.8	30	2	402	.25	.308	19	70	.85	244	.05	5	1.91	.01	.19	2	9	290
L117+00E 101+25N	36	167	55	709	3.1	110	8	157	3.27	254	15	ND	1	119	5.4	28	2	350	.27	.287	18	56	.71	469	.06	6	1.60	.01	.16	1	12	330
L117+00E 101+00N	56	277	112	731	4.8	145	10	199	4.18	323	12	ND	2	161	4.6	42	2	484	.34	.429	20	77	.95	387	.07	7	2.42	.01	.22	1	12	640
L117+00E 100+75N	76	291	226	662	5.1	140	8	141	3.99	353	22	ND	1	204	5.3	57	2	514	.42	.572	28	80	1.06	398	.04	10	2.33	.01	.23	1	25	900
L117+00E 100+50N	73	161	56	497	4.7	99	6	93	3.38	187	11	ND	1	167	5.3	47	2	398	.36	.460	25	64	.75	502	.03	6	1.52	.01	.23	1	10	1800
L117+00E 100+25N	38	237	22	623	3.0	152	7	117	2.93	149	21	ND	1	201	4.7	47	2	382	.61	.634	19	66	.32	1011	.02	4	1.33	.02	.14	1	5	550
L117+00E 99+75N	30	124	63	846	2.5	160	10	93	3.40	229	5	ND	1	140	6.1	22	3	230	.13	.279	23	60	.87	985	.01	4	1.62	.01	.15	1	11	340
L117+00E 99+50N	72	100	41	1792	1.1	279	14	280	4.32	206	12	ND	1	144	42.1	29	2	218	.27	.194	23	50	.61	1169	.02	6	1.22	.01	.18	1	11	150
L117+00E 99+25N	6	95	28	149	1.1	86	20	326	4.77	77	5	ND	7	111	2.2	15	2	121	.83	.130	10	77	3.43	743	.16	3	3.51	.01	.56	1	16	80
STANDARD C/AU-S	20	62	41	133	7.5	73	32	1056	3.97	40	17	7	37	52	18.5	15	21	59	.59	.096	39	59	.91	182	.08	40	1.89	.06	.13	11	48	1500

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
L117+00E 99+00N	11	93	11	224	.9	100	21	382	5.75	224	5	ND	5	94	8.1	16	5	104	.69	.125	11	71	3.14	1308	.16	2	3.74	.01	.29	1	10	70
L117+00E 98+75N	31	295	19	1475	1.5	313	14	255	6.43	622	5	ND	6	124	17.5	30	2	195	.52	.140	13	85	3.85	843	.18	2	4.22	.01	.43	1	11	80
L117+00E 98+50N	23	92	69	396	6.1	98	5	83	3.50	2189	5	ND	1	187	7.3	35	17	425	.12	.216	18	58	.98	846	.03	4	1.81	.01	.17	1	11	370
L117+00E 98+00N	9	105	50	1487	3.1	114	7	103	9.43	116	5	ND	3	99	15.8	24	5	97	.03	.233	13	31	.30	59	.02	7	.83	.01	.40	1	16	330
L117+00E 97+50N	9	174	29	558	1.7	123	14	417	5.58	197	5	ND	1	96	12.0	25	2	165	.13	.226	17	43	2.47	761	.02	5	2.64	.01	.22	1	6	300
L117+00E 97+00N	8	120	21	459	1.0	114	23	839	6.42	200	5	ND	1	73	11.0	23	2	127	.12	.147	20	41	2.63	909	.04	3	2.94	.01	.20	1	2	210
L117+00E 96+50N	10	108	37	415	1.3	99	14	495	4.28	245	5	ND	1	104	4.2	22	2	168	.27	.291	22	36	1.00	690	.02	5	1.73	.01	.24	1	1	200
L117+00E 96+00N	24	108	62	304	1.3	87	9	216	4.20	120	5	ND	1	134	2.4	16	2	229	.48	.492	25	34	.64	753	.01	5	1.54	.01	.25	1	5	110
L117+00E 95+50N	17	61	49	242	.8	48	4	143	1.97	49	5	ND	1	208	2.1	9	2	408	1.61	.814	17	50	.10	863	.01	12	1.15	.01	.27	1	2	90
L118+00E 104+50N	22	96	65	334	3.1	64	5	156	6.51	189	5	ND	1	159	1.9	28	7	238	.23	.302	17	48	.40	142	.04	2	1.07	.01	.28	2	6	140
L118+00E 104+00N	10	60	38	177	1.4	39	6	93	3.80	123	5	2	1	87	2.5	27	2	108	.06	.148	12	28	.18	81	.02	2	.48	.01	.14	1	7	240
L118+00E 103+50N	32	90	84	284	2.3	57	4	86	7.11	222	5	ND	1	226	1.6	32	5	212	.15	.289	16	41	.20	97	.03	3	.73	.01	.35	2	14	300
L118+00E 103+00N	17	119	58	342	1.9	69	7	206	8.57	192	5	ND	1	189	1.4	20	9	173	.08	.245	20	45	.42	201	.05	4	1.18	.01	.24	1	24	140
L118+00E 102+50N	14	160	34	377	2.0	68	12	360	11.10	135	5	ND	3	282	2.3	18	11	165	.06	.253	23	53	.61	105	.06	5	1.71	.01	.38	1	83	170
L118+00E 102+00N	24	85	61	406	4.5	69	4	87	3.66	160	5	ND	1	103	2.7	20	2	230	.12	.190	13	43	.40	167	.02	2	1.08	.01	.17	1	9	270
L118+00E 101+50N	31	110	58	573	4.5	93	6	124	4.20	220	5	ND	1	114	4.3	30	4	277	.19	.243	15	53	.54	152	.04	2	1.26	.01	.20	1	15	400
L118+00E 101+25N	27	101	53	548	3.7	86	6	167	2.69	163	5	ND	1	76	5.1	23	2	242	.19	.170	12	47	.39	313	.04	2	.94	.01	.11	1	16	480
L118+00E 101+00N	27	170	83	796	4.6	124	8	183	3.22	254	5	ND	1	115	7.6	31	2	310	.34	.266	18	52	.61	423	.06	2	1.45	.01	.16	1	11	470
L118+00E 100+75N	25	208	97	1038	4.2	160	12	276	3.22	321	10	ND	1	116	8.6	27	3	377	.39	.291	21	63	1.00	1615	.08	3	2.11	.02	.13	1	13	340
L118+00E 100+50N	35	234	180	1302	6.9	200	14	304	3.93	439	10	ND	3	176	15.8	46	14	369	.58	.367	25	78	1.41	1416	.08	6	2.49	.01	.21	1	8	560
L118+00E 99+75N	65	159	69	521	3.5	92	7	165	3.75	408	10	ND	1	167	4.6	45	5	449	.25	.289	37	55	.64	578	.02	3	1.62	.01	.23	1	4	200
L118+00E 99+50N	128	393	34	6477	5.8	647	26	902	4.61	244	21	ND	1	66	273.3	55	3	442	.79	.226	39	61	.42	1208	.01	9	1.03	.01	.20	1	2	1300
L118+00E 99+25N	41	108	70	987	2.0	184	11	188	4.53	721	5	ND	1	145	13.5	29	5	419	.09	.167	18	68	1.60	793	.03	2	1.86	.01	.32	1	5	80
L118+00E 99+00N	2	172	26	218	2.0	75	18	449	5.32	2027	5	ND	6	192	1.6	16	2	74	2.83	.068	9	48	5.24	664	.10	2	2.78	.01	.22	1	13	40
L118+00E 98+75N	4	72	43	148	1.6	77	10	170	4.59	469	5	ND	3	145	3.6	19	2	99	.17	.070	8	81	2.24	707	.20	2	3.75	.01	.29	1	1	90
L118+00E 98+50N	23	567	700	3167	35.7	250	18	408	10.06	4927	10	ND	6	343	164.1	220	71	274	.42	.336	19	49	.80	265	.03	4	1.52	.01	.33	1	250	330
L118+00E 98+00N	23	704	550	2237	21.8	228	13	364	6.28	1489	23	ND	6	704	37.7	197	55	1165	.94	.775	27	101	1.03	268	.03	9	2.03	.01	.38	1	180	1600
L118+00E 97+50N	40	411	140	1615	10.9	314	9	188	3.81	476	21	ND	1	493	45.4	82	12	937	1.94	1.045	26	154	.35	1488	.01	21	1.67	.01	.38	1	24	470
L118+00E 97+00N	19	90	66	775	2.3	153	9	263	4.05	119	5	ND	1	178	6.5	18	2	199	.57	.659	19	45	1.21	920	.01	8	1.51	.01	.21	1	7	140
L118+00E 96+50N	3	9	4	64	.3	9	2	126	.68	6	5	ND	1	28	.2	2	2	33	.08	.098	3	4	.03	183	.01	2	.40	.02	.04	1	1	70
L118+00E 96+00N	21	52	44	343	1.6	69	4	109	2.60	63	5	ND	1	169	1.6	10	2	183	.41	.397	19	26	.17	796	.01	4	.82	.01	.20	1	1	90
L118+00E 95+50N	10	23	22	175	.7	28	4	486	1.35	24	5	ND	1	92	1.1	5	2	92	.13	.164	12	15	.04	537	.01	2	.65	.02	.09	1	2	130
STANDARD C/AU-S	20	63	42	133	7.4	74	32	1056	3.98	40	17	8	38	52	18.6	15	19	60	.59	.096	41	61	.91	187	.08	36	1.89	.06	.13	12	54	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
BL100+00N 100+00E	2	150	11	49	.6	11	2	102	1.34	113	5	ND	1	18	.2	2	2	56	.21	.083	3	9	.13	55	.01	2	.67	.03	.03	2	8	60
BL100+00N 100+25E	3	96	9	55	.4	4	3	104	1.54	353	5	ND	1	19	.5	2	2	71	.17	.090	4	6	.09	48	.02	2	.86	.03	.03	1	51	50
BL100+00N 100+50E	6	397	12	263	.8	43	7	218	5.29	1271	6	ND	1	46	2.6	4	5	161	.29	.145	11	31	.48	156	.04	3	2.29	.01	.05	1	36	80
BL100+00N 100+75E	1	37	3	32	.3	5	3	61	1.22	65	5	ND	1	21	.2	2	2	24	.22	.065	4	5	.14	58	.03	2	.65	.03	.03	3	3	50
BL100+00N 101+00E	1	51	23	126	.3	44	17	303	4.80	44	5	ND	1	81	.7	6	2	62	1.70	.178	15	65	1.51	268	.15	3	3.20	.05	.31	1	5	100
BL100+00N 101+25E	1	159	27	168	.7	51	24	357	6.31	418	5	ND	2	217	2.4	12	2	72	3.30	.156	15	64	2.03	389	.19	3	4.09	.05	.64	1	51	50
BL100+00N 101+50E	1	59	17	151	.5	23	11	342	3.05	172	5	ND	1	221	.4	3	2	21	13.34	.188	10	20	.62	221	.04	4	1.59	.04	.14	1	8	90
BL100+00N 101+75E	2	271	19	144	.7	55	20	314	5.76	1873	7	ND	1	193	2.1	8	2	55	8.75	.149	14	34	1.23	476	.07	8	2.41	.04	.13	1	33	60
BL100+00N 102+00E	2	249	6	100	.6	55	15	274	4.05	1182	5	ND	1	114	1.2	4	2	40	3.50	.191	10	23	.61	384	.03	4	1.64	.02	.07	1	25	200
BL100+00N 102+25E	5	728	21	320	2.1	74	22	405	7.33	2351	6	ND	1	116	4.1	11	2	82	2.64	.177	18	43	1.46	334	.07	4	2.70	.04	.12	1	19	100
BL100+00N 102+50E	32	174	24	679	2.0	122	10	246	4.98	158	8	ND	1	80	7.1	13	4	256	.50	.301	13	62	1.23	577	.03	6	2.61	.01	.14	2	11	260
BL100+00N 102+75E	23	207	23	1265	1.8	205	20	410	6.72	68	8	ND	2	115	13.5	11	2	264	.81	.283	13	66	1.75	439	.07	5	3.54	.04	.33	1	2	170
BL100+00N 103+00E	22	162	18	1204	1.1	188	20	401	5.98	72	8	ND	1	84	7.3	13	3	240	.43	.271	12	63	1.56	342	.05	8	3.22	.02	.23	1	3	130
BL100+00N 103+25E	23	189	25	1162	1.1	183	18	401	6.12	76	7	ND	1	79	7.7	12	2	256	.45	.246	12	61	1.88	332	.06	6	3.53	.02	.28	1	2	180
BL100+00N 103+50E	23	189	36	1093	2.6	146	12	276	5.59	502	5	ND	1	113	12.8	20	6	255	.83	.420	14	47	1.62	694	.03	3	2.87	.02	.27	1	41	140
BL100+00N 103+75E	16	124	26	806	1.2	120	11	227	3.88	170	5	ND	1	74	7.8	13	2	288	.57	.209	10	50	1.97	427	.05	5	2.84	.01	.19	1	12	100
BL100+00N 104+00E	24	199	28	1162	2.4	168	14	316	5.74	309	10	ND	1	108	10.3	15	3	267	.69	.351	13	61	1.64	559	.05	7	3.17	.02	.33	1	31	150
BL100+00N 104+25E	24	179	35	1101	1.9	150	14	352	5.44	366	5	ND	1	103	11.9	26	3	256	.73	.340	12	51	1.72	598	.04	2	2.87	.02	.25	3	41	160
BL100+00N 104+50E	26	206	26	1246	1.5	195	16	331	6.64	110	12	ND	1	102	6.4	13	2	276	.49	.301	13	71	1.54	427	.05	7	3.44	.02	.25	1	2	150
BL100+00N 104+75E	27	285	44	1393	2.5	171	17	409	7.08	841	5	ND	2	130	14.0	31	10	309	.75	.492	17	55	1.99	1037	.07	4	3.46	.02	.38	1	32	160
BL100+00N 105+00E	17	105	27	964	1.7	113	11	305	3.15	128	5	ND	1	51	4.5	13	2	331	.53	.127	8	44	2.44	290	.07	5	2.93	.01	.21	1	9	100
BL100+00N 105+25E	34	226	16	1609	2.0	201	23	589	7.64	168	6	ND	2	102	18.5	20	4	303	.65	.268	12	56	2.50	493	.08	6	3.70	.02	.42	1	6	180
BL100+00N 105+50E	31	199	22	1661	1.9	187	23	619	7.16	124	6	ND	2	86	18.5	22	2	281	.82	.263	11	46	2.60	395	.08	4	3.47	.02	.43	1	11	120
BL100+00N 105+75E	27	254	26	1949	2.0	255	27	624	9.94	167	8	ND	3	164	19.2	21	2	236	.69	.502	18	55	2.26	476	.08	2	4.16	.02	.41	1	22	140
BL100+00N 106+00E	8	299	24	3049	3.4	286	23	907	12.89	1217	6	ND	2	99	22.1	34	3	114	2.06	1.206	23	35	1.04	626	.05	3	2.25	.01	.21	1	192	80
BL100+00N 106+25E	3	331	49	3339	1.0	263	22	1223	11.84	304	6	ND	1	103	17.7	20	2	128	2.66	1.478	25	29	.48	947	.03	3	1.59	.01	.14	1	52	150
BL100+00N 106+50E	5	45	8	4370	.5	440	37	1225	16.40	101	6	ND	1	39	24.6	20	2	41	1.91	1.123	17	29	.72	185	.05	2	1.84	.01	.19	1	7	80
BL100+00N 106+75E	15	194	29	1177	.9	128	12	323	8.00	234	12	ND	3	132	7.7	24	2	148	.41	.660	23	32	.99	408	.04	2	2.97	.01	.21	1	22	330
BL100+00N 107+00E	65	262	46	320	2.7	96	5	147	7.19	227	12	ND	5	197	6.0	28	4	336	.38	.826	27	59	2.39	349	.10	5	5.02	.02	.56	1	19	200
BL100+00N 107+25E	10	64	24	1288	.4	108	16	502	10.47	220	6	ND	2	104	24.7	45	2	124	1.08	1.133	31	34	1.85	367	.06	4	3.95	.01	.39	1	4	150
BL100+00N 107+50E	13	77	23	1644	.6	163	16	661	10.51	170	5	ND	2	87	23.8	39	2	132	.81	.918	31	34	1.63	425	.07	2	4.17	.01	.39	1	1	120
BL100+00N 107+75E	26	143	38	1461	1.3	120	10	351	7.28	267	6	ND	4	127	19.2	52	2	186	1.43	1.232	26	43	1.64	491	.09	9	4.52	.02	.47	1	4	140
BL100+00N 108+00E	32	247	40	941	3.5	124	9	297	8.78	235	18	ND	4	254	20.3	33	2	470	.98	1.380	33	76	1.12	502	.08	3	4.43	.02	.34	1	37	230
BL100+00N 108+25E	20	202	42	609	1.7	83	5	260	9.06	259	11	ND	4	121	11.9	35	6	249	.82	1.599	30	54	1.37	529	.09	5	4.83	.02	.33	1	21	160
BL100+00N 108+50E	15	110	37	230	.9	47	3	176	6.18	240	6	ND	5	109	8.6	32	2	160	.55	1.072	34	43	1.67	385	.09	2	4.51	.01	.52	1	18	100
BL100+00N 108+70E	12	79	20	156	.6	54	2	99	2.73	98	5	ND	1	60	2.2	10	2	180	.13	.264	15	40	1.12	427	.03	2	2.61	.02	.14	1	7	90
STANDARD C/AU-S	19	63	38	130	7.5	72	31	1053	3.98	41	18	8	36	52	18.9	15	20	55	.51	.094	37	60	.87	179	.07	39	1.89	.06	.14	11	54	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
BL100+00N 109+00E	11	416	37	352	1.2	49	3	111	3.77	1168	5	ND	5	92	6.2	50	2	139	.97	.878	30	38	1.06	735	.07	3	2.74	.01	.42	1	163	80
BL100+00N 109+25E	21	432	410	164	26.6	18	2	49	3.39	19053	5	4	10	189	3.4	981	11	315	.14	.586	22	60	.56	2301	.03	2	2.74	.01	.21	1	5630	60
BL100+00N 109+50E	63	457	252	470	7.4	34	4	85	4.54	8146	17	2	12	621	10.0	387	22	1466	.49	1.858	48	172	.95	4095	.07	3	5.02	.02	.33	1	2350	270
BL100+00N 109+75E	57	133	364	576	8.8	18	16	55	2.40	5770	41	ND	9	1097	3.8	238	15	876	.93	3.653	54	273	.20	21644	.04	2	5.34	.01	.10	1	1460	5700
BL100+00N 110+00E	75	392	219	234	12.0	38	4	138	8.14	22749	28	2	4	174	3.5	128	13	463	1.11	1.474	25	76	.36	117	.04	3	2.56	.02	.36	1	1160	4400
BL100+00N 110+25E	106	453	976	359	16.5	34	3	73	6.10	31352	58	4	7	369	7.8	516	66	1513	1.94	2.384	50	300	.47	2037	.04	5	3.13	.01	.30	3	5520	140
BL100+00N 110+50E	75	496	133	348	9.6	40	3	95	5.99	11887	55	ND	6	762	12.4	207	16	1415	3.13	4.150	47	227	.50	805	.03	8	3.52	.01	.31	2	1210	940
BL100+00N 110+75E	59	481	80	214	4.2	43	3	50	2.72	4215	21	ND	6	311	17.9	68	8	1546	1.70	1.420	37	178	.40	1716	.02	10	2.06	.01	.36	1	240	4500
BL100+00N 111+00E	48	750	95	1107	7.1	136	6	240	3.07	990	29	ND	5	316	57.7	61	2	1382	1.00	.777	27	147	.26	1815	.02	13	1.38	.01	.25	1	64	1700
BL100+00N 111+25E	33	247	52	341	7.1	71	4	119	2.79	601	25	ND	1	228	7.9	38	2	1004	.88	.855	24	130	.30	997	.01	9	1.52	.01	.22	1	37	1300
BL100+00N 111+50E	87	108	18	2113	.7	333	12	331	3.17	80	6	ND	6	34	19.9	14	2	557	.83	.109	9	70	4.86	393	.17	5	2.93	.01	.39	1	10	200
BL100+00N 111+75E	26	382	21	2225	5.9	425	8	664	2.69	153	10	ND	1	229	23.4	33	5	1028	3.67	1.354	39	299	2.84	832	.02	4	2.24	.01	.25	1	10	440
BL100+00N 112+00E	72	191	22	2958	2.6	314	8	200	2.66	104	5	ND	3	48	20.8	30	2	1324	1.11	.152	30	91	4.66	677	.10	4	2.69	.01	.34	1	4	530
BL100+00N 112+25E	80	89	42	979	.8	309	13	378	3.63	77	10	ND	4	42	7.1	18	2	569	.94	.082	13	71	6.54	583	.17	2	3.98	.01	.57	1	16	160
BL100+00N 112+50E	7	53	22	325	1.0	78	13	319	3.67	33	5	ND	3	98	2.6	14	2	155	.71	.171	8	76	3.64	182	.12	3	4.28	.01	.62	1	2	110
BL100+00N 112+75E	5	47	15	257	1.0	57	10	217	3.76	34	5	ND	1	124	1.0	11	3	124	.44	.104	7	75	3.15	160	.12	7	4.11	.01	.38	1	2	100
BL100+00N 113+00E	2	41	8	115	.8	45	9	368	3.48	49	5	ND	1	48	1.0	11	2	78	.60	.065	5	70	3.36	244	.09	4	3.48	.01	.13	1	4	90
BL100+00N 113+25E	3	58	24	312	1.1	74	13	368	4.14	273	5	ND	2	21	2.4	19	4	78	.19	.089	5	69	2.61	137	.09	3	4.42	.01	.19	1	10	110
BL100+00N 113+50E	12	77	33	1479	2.6	150	10	270	3.89	744	7	ND	1	49	7.8	27	5	151	.15	.119	9	69	3.40	271	.08	3	3.34	.01	.14	1	11	180
BL100+00N 113+75E	71	291	102	506	9.9	91	5	118	5.36	683	38	ND	1	634	7.8	83	3	968	.55	1.114	51	127	.60	347	.02	9	1.94	.01	.31	1	50	4300
BL100+00N 114+00E	43	352	79	525	6.7	93	6	122	5.58	658	37	ND	1	847	8.3	64	7	761	.87	1.435	48	123	.53	423	.02	4	2.24	.01	.22	1	20	300
BL100+00N 114+25E	33	339	40	410	8.2	81	4	109	3.79	205	30	ND	1	603	7.6	38	2	1178	.95	1.290	45	152	.17	562	.01	8	1.85	.01	.27	1	5	1600
BL100+00N 114+50E	33	100	81	269	5.8	60	3	32	2.15	90	8	ND	1	116	2.2	22	5	824	.07	.278	40	117	.06	683	.01	5	.98	.01	.16	1	2	220
BL100+00N 114+75E	44	534	45	1340	4.2	290	7	136	4.43	274	35	ND	1	345	8.0	62	2	786	1.30	1.248	40	174	.36	998	.01	9	1.69	.01	.25	1	2	240
BL100+00N 115+00E	72	998	43	3106	9.8	662	11	227	8.06	512	35	ND	1	330	21.2	157	2	903	3.29	2.019	55	192	.28	1483	.01	17	1.96	.01	.33	1	8	350
BL100+00N 115+25E	28	347	64	3139	4.2	611	10	111	4.48	144	17	ND	1	473	14.1	68	2	977	4.22	2.122	28	278	4.05	1059	.03	10	3.10	.01	.28	1	4	210
BL100+00N 115+50E	8	75	16	413	1.1	90	7	193	2.33	73	5	ND	1	51	3.3	14	2	146	.15	.129	10	69	1.89	668	.07	4	2.50	.01	.07	2	4	190
BL100+00N 115+75E	10	167	24	525	1.2	118	11	338	5.16	99	6	ND	2	195	2.6	20	2	127	.17	.241	19	77	2.40	528	.15	2	3.38	.02	.31	1	5	160
BL100+00N 116+00E	3	946	6	6536	.4	831	27	660	4.98	339	9	ND	3	312	43.1	9	2	56	5.99	.123	11	31	6.76	787	.06	2	3.55	.01	.15	1	7	80
BL100+00N 116+25E	7	269	10	777	.6	124	6	117	3.21	118	8	ND	1	125	3.6	13	2	152	.12	.096	12	77	2.14	594	.08	3	2.40	.01	.20	2	8	100
BL100+00N 116+50E	114	2717	23	3190	2.1	562	17	219	8.42	528	60	ND	7	245	20.2	58	4	387	.03	.299	68	51	.74	1167	.01	2	2.51	.01	.19	1	31	2200
BL100+00N 116+75E	34	288	21	1171	4.2	161	7	126	3.89	190	21	ND	1	347	12.1	35	5	295	.94	.916	29	91	.24	893	.01	9	1.22	.01	.19	1	12	320
BL100+00N 117+00E	25	162	33	676	2.9	93	6	96	2.13	182	11	3	1	252	4.2	32	2	226	.67	.511	22	42	.21	512	.01	3	.75	.01	.10	1	23	280
BL100+00N 117+25E	55	103	51	311	3.6	52	4	75	3.07	192	6	ND	1	138	6.5	29	7	290	.29	.375	24	47	.22	384	.01	2	1.22	.01	.17	1	7	290
BL100+00N 117+50E	13	32	32	137	1.6	25	2	23	1.14	97	5	ND	1	34	2.6	6	2	77	.08	.170	6	15	.07	705	.01	4	.55	.01	.05	3	4	270
BL100+00N 117+75E	72	173	41	277	3.2	53	4	112	3.40	270	25	ND	1	110	3.1	37	6	348	.24	.422	29	42	.33	417	.01	8	1.46	.01	.19	2	10	660
BL100+00N 118+00E	44	100	80	301	3.5	53	5	78	2.60	282	6	ND	1	105	3.1	24	8	265	.13	.292	21	39	.35	791	.01	2	1.33	.01	.12	5	12	250
STANDARD C/AU-S	19	62	38	133	7.4	72	31	1053	3.97	36	16	7	37	53	18.4	15	22	56	.51	.094	38	60	.87	180	.07	34	1.88	.06	.14	11	45	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
R138701	5	17	3	2	2.1	11	1	51	.83	4	5	ND	2	3	.2	6	4	6	.04	.005	3	36	.10	114	.01	7	.21	.01	.06	1	2	5
R138702	17	246	6	36	.6	102	10	76	2.37	9	5	ND	4	337	.6	2	2	112	1.90	.124	8	45	.82	100	.12	3	2.91	.07	.32	1	1	5
R138703	6	53	15	112	1.9	78	10	69	2.55	36	5	ND	3	2	1.1	2	2	22	.04	.014	11	57	.61	133	.01	5	1.26	.02	.23	1	1	5
R138704	7	24	7	24	.8	52	40	121	1.76	2070	5	ND	3	351	.3	7	2	31	4.50	.105	12	37	.52	33	.17	9	7.11	.18	.11	1	5	5
R138705	14	207	17	287	1.7	254	3	55	1.27	1355	5	ND	3	159	9.0	16	2	214	3.42	1.462	15	158	1.09	190	.05	3	1.62	.01	.15	1	10	10
R138706	9	43	5	1	1.9	22	1	30	.95	636	5	ND	1	89	.2	41	6	125	1.41	.606	11	48	.02	318	.01	7	.29	.01	.09	1	23	60
R138707	15	195	2	36	9.1	39	1	27	.82	460	5	ND	2	173	.6	80	6	471	2.65	1.161	23	142	.06	459	.01	11	.58	.01	.18	1	13	380
R138708	49	823	1715	194	41.6	20	4	29	2.54	21400	5	ND	2	180	4.0	226	7	214	.05	.844	4	33	.01	5657	.01	11	1.25	.01	.05	1	480	7600
R138709	4	71	12	27	.8	36	9	192	2.40	179	5	ND	4	67	.2	5	3	30	1.31	.023	4	63	1.07	116	.06	3	2.85	.03	.34	3	10	5
R138710	4	19	8	23	.4	28	7	80	2.41	8	5	ND	11	232	.6	2	2	35	2.28	.139	24	71	.42	86	.26	7	2.79	.11	.13	3	3	5
R138711	48	340	253	410	3.4	36	9	28	4.84	4528	5	ND	2	439	19.8	242	9	2150	.11	.984	5	118	.03	13476	.05	17	1.80	.01	.11	2	1010	180
R138712	31	90	1360	457	5.5	12	13	20	2.80	21001	5	4	3	609	6.2	272	17	429	.17	1.324	12	100	.01	17236	.01	6	1.99	.01	.05	1	2820	540
R138713	8	93	43	162	1.8	32	2	30	1.98	1093	5	ND	1	84	5.1	87	5	364	.53	.247	4	120	.01	4059	.07	5	1.67	.02	.30	2	56	880
R138714	11	22	10	87	.4	27	3	38	.45	108	5	ND	1	25	.4	11	4	41	.05	.029	2	22	.01	4673	.01	4	.29	.01	.03	1	3	20
R138715	4	39	11	22	.6	44	11	143	3.68	16	7	ND	5	196	1.9	8	4	52	3.05	.050	3	83	1.46	31	.08	4	4.24	.06	.42	1	4	30
R138716	1	52	9	222	.5	103	22	78	4.44	8	5	ND	4	14	1.8	2	3	19	.03	.017	7	28	.75	30	.02	8	1.57	.01	.47	1	2	10
R138717	1	18	10	19	.1	11	6	952	6.55	2	7	ND	1	385	1.7	2	2	8	14.35	.025	5	11	5.68	112	.01	4	.32	.03	.13	1	1	30
R138718	4	14	59	5	.4	9	1	37	1.10	75	5	ND	3	31	.2	15	4	8	.01	.018	9	11	.01	460	.01	4	.12	.01	.15	1	12	140
R138719	7	16	401	10	.5	12	1	51	.88	640	5	ND	1	28	.2	69	8	10	.17	.068	7	53	.07	372	.01	8	.13	.01	.09	1	19	250
R138720	9	67	26	83	2.3	68	7	85	4.86	24	5	ND	1	9	.9	4	2	90	.06	.063	2	64	.02	85	.04	2	4.16	.01	.08	1	1	140
R138721	5	70	15	14	.9	39	8	49	2.03	5	5	ND	2	31	1.2	3	4	85	.07	.068	10	47	.01	8615	.03	4	3.53	.03	.87	1	4	90
STANDARD C/AU-R	19	63	44	133	7.6	72	32	1054	3.98	39	16	7	37	53	18.5	14	22	58	.51	.094	39	61	.89	180	.08	37	1.88	.06	.14	11	520	1600

APPENDIX II

ROCK SAMPLE DESCRIPTIONS &

GEOCHEMICAL RESULTS

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 105 O/13

PROPERTY ITZI

DATE 90-09-27

ROCK SAMPLE REPORT

PROJECT 343

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐ Au	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
141270	Black cherty/arg. weathered in a pumice like fashion of Sulphide pods. Yellow + rusty stains		Float		62							DJK
141271	O/C Qtz veining in Bx/replaced cherty arg in line with main zone ≤ 3m wide. tr Sx	tr.	Grabs		10							
141272	Float - white milky Qtz with yellow + orange + chalky weathered patches		Float		31							
141273	Silicified chert (may not be chert but is Qtz rich.) w massive Aspy - 20%; py 1% + minor iron stains				397							
141274	Bx grey siliceous Rx w tourmaline/hemimorphite matrix - veining - talus		Float		1822							

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 105O/13

PROPERTY ITR1

DATE 90-09-27

ROCK SAMPLE REPORT

PROJECT 343

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G[ ] A[ ]	G[ ] A[ ]	G[ ] A[ ]	G[ ] A[ ]	G[ ] A[ ]	G[ ] A[ ]	G[ ] A[ ]	SAMPLED BY
					4U							
141275	Rusty shale/hornfels - Minor			BIG								DJK
	Qtz veining + ≤1% po + py	1%	grab	O/C	46							

C - GEOCHEM A - ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 105 I/13

PROPERTY Htsi

DATE 05/08/90

ROCK SAMPLE REPORT

PROJECT 344

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐ Au	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
138701	Rusty weathering qtz + silicified sediments w fine grained + rusty veinlets, diss py tr. Zone seems discordant ≈ 15 cm wide.	py tr	°/c		2							D.H. ↓
138702	15-30cm concordant band of qtz and silicified sed. and/or chert sed w f.g. py ± chl pods, (≈1%) cp tr? Qtz appears slightly brecciated.	py 1%	°/c		1							
138703	Slightly hornfelsed shales w 2% diss potpy + in thin stringers near granitic contact.	potpy 2%	°/c		1							
138704	Rusty weathering dK grey chert (?) brecciated by light grey silica and whole Rx cut by carbonate veinlets. po (tpy) diss + in stringers ≈ 1% asp diss. + in pod : tr (loc 1%) total sulph 1-2%	1-2% po(py) asp.	°/c		5							

G GEOCHEM A ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 105 I /13

PROPERTY Hsi

DATE 06/08/90

ROCK SAMPLE REPORT

PROJECT 344

IPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐ Au	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
38705	Rusty siliceous Rx, fault bounded on one side, Qtz injected chert? No witness		o/c rough chip	5m	10							D.H. ↓
138706	F.g. fractured white + grey silica (probably qtz vein) ~ diss py + po ≤ 1% (large py cubes on fractures), fuchsite. Some vugs lined ~ euhedral qtz xtals. Heterogeneous texture: 2 witness samples	py po ≤1%	o/c rough chip	1&m (probably not true width	23							
138707	f.g. grey qtz w green stainings, fractured, loc banded, w some vugs. Contains py <1%, chl tr, fuchsite.	py <1%	o/c		13							
38708	Qtz veinlets through cherty material, green (scorodite?) stainings, loc argillic alt of felsic components.	asp?	o/c?		(18)							

C - GEOCHEM A - ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 105 I/13

PROPERTY Itsi

DATE 08/08/90

ROCK SAMPLE REPORT

PROJECT 344

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
38709	Rusty weathering, grey, qtz-vein (vein?) Rx containing angular chert or silicified sed Fx and po+py diss + in stringers sulph 1-2%. (siliceous breccia)	po-py 1-2%	Float near c/c		10							D.H. ↓
38710	Greenish to grey to purplish banded hornfels or sil sed. containing 1-2% po+py in v.f.g. diss. + stringers + loc coatings on fract.	po+py 1-2%	Float first heave on top of ridge		3							
38711	rusty, pervasively oxidized siliceous Rx w apparent fract and/or veinlets, loc some porosity + some striated plane (off summit near main showing.		c/c		1010							
38712	thin and multi-directional qtz veining through green (scapolite) + epidote altered loc. porous Rx.		sub crop in old trench.		2870							

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 105 I/13

PROPERTY Hsi

DATE 08/08/90

ROCK SAMPLE REPORT

PROJECT 344

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐ Au	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
138713	Rusty, qtz-inj + silic'fied sed sheared? Some vugs.		o/c		56							D.H. ↓
138714	Bull qtz w Fx of cpy + rusty fractures. Stinks.		o/c		3							
138715	Rusty weathering light grey silicified sed or chert (looks muddy) contains py diss + in globs	py 1-2%	float		4							
138716	Rusty weathering light grey f.g. (Sunchasle - sericitized ?) sed (looks like #715) w diss py + one pod 2x3cm of f.g. mass. sulph. Total sulph 1-2%	1-2% 1%	o/c		2							

G - GEOCHEM A - ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 105 I/13

PROPERTY Itsi

DATE 9/08/96

ROCK SAMPLE REPORT

PROJECT 344

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐ AU PPB	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
38717	light grey, f.g. massive Rx (siliceous appearance but scratchable) slightly carbonatized w f.g diss py 2%	py 2%	float		1							D. H. ↓
38718	Qtz injected and brecciated shale w limonitic + green (scorodite?) alteration		float		12							
38719	Brecciated + qtz-injected shale in trace of white qtz-rich float. Fe-ox. alt, yellow-greenish alt, some vugs		float		19							
38720	Conglomerate or brecciated sed horizon (in finer grained Rx) w 2-4% diss py. Rusty weath	py 2-4%	float on lee of ridge Less than 1%		1							
38721	same work type as -720 except qtz veining. Sample includes 4m wide qtz vein (vert.) → widths py 1%	py 1%	float? chip	1m	4							

Northern Analytical Laboratories ltd.

October 5,1990

Work Order # 08429

Noranda Exploration Company Limited
201 - 107 Main St.
Whitehorse, Yukon
Y1A 2A7

File # 08429b

Project # 344 Itzi

Assay Certificate for Samples Provided

Sample	ppb Au
R141252	1016
R141253	476
R141254	799
R141254	649
R141255	428
R141256	293
R141257	287
R141258	449
R141259	144
R141260	223
R141262	208
R141263	215
R141264	676
R141265	286
R141266	45
R141267	1164
R141268	1569
R141269	597
R141270	62
R141271	10
R141272	31
R141273	397
R141274	1822
R141275	46
R141276	43
R141277	175
R141278	88
R141279	36
R141280	82
R141281	553

Au -- 30g Fire Assay/AAS

Applied Science Technologists and Technicians of British Columbia
6992
GERALD F. HAYES
A.Sc.T.

105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

Northern Analytical Laboratories ltd.

October 5,1990

Work Order # 08429

Noranda Exploration Company Limited
201 - 107 Main St.
Whitehorse, Yukon
Y1A 2A7

File # 08429a

Project # 344 Itzi

Assay Certificate for Samples Provided

Sample	ppb Au
R141222	56
R141223	52
R141224	229
R141225	740
R141226	1335
R141227	2075
R141228	566
R141229	123
R141230	112
R141231	380
R141232	2567
R141233	617
R141234	760
R141235	1191
R141236	291
R141237	142
R141238	328
R141239	913
R141240	3908
R141241	4097
R141242	4341
R141243	618
R141244	639
R141245	887
R141246	372
R141247	303
R141248	679
R141249	796
R141250	358
R141251	698

Au -- 30g Fire Assay/AAS

Applied Science Technologists and Technicians of British Columbia
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105 Copper Road, Whitehorse, YT, Y1A 2Z7 Ph: (403) 668-4968 Fax: (403) 668-4890

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

DATE REPORT MAILED: Oct. 23/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9010-050 344 FILE # 90-5412 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

SAMPLE#	HG ppb
141222	50
141223	40
141224	5
141225	5
141226	5
141227	5
141228	5
141229	5
141230	5
141231	10
141232	5
STD C	1300
141233	5
141234	20
141235	5
141236	10
141237	40
141238	460
141239	1900
141240	780
141241	10
141242	70
141243	2000
141244	660
141245	30000
141246	36000
141247	3300
141248	3900
141249	360
141250	380
141251	150
141252	7600
141253	20000
141254	11200
141255	2500
141256	2700
141257	1600

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

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

SAMPLE#	HG ppb
141258	860
141259	1200
141260	1300
141261	4100
141262	540
141263	2100
141264	8400
141265	1300
141266	50
141267	20
141268	5
141269	5
141270	2100
141271	10
141272	5
141273	5
141274	5
141275	10
141276	280
141277	160
141278	150
STD C	1400
141279	500
141280	450
141281	10

NORANDA VANCOUVER LABORATORY

Geochemical Analysis

Project Name & No. ITZI - 344 | Geol.: D.K. | Date rec'd: OCT. 16 | LAB CODE: 9010-050

Material: 60 TRENCH | Sheet: 1 of 2 | Date comp OCT. 19

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

□ Organic

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

ICP - 0.2 g sample digested with 3 ml HClO4/HNO3 (4:1) at 203 °C for 4 hours diluted to 11 ml with water. Leeman PS3000 ICP determined elemental contents.

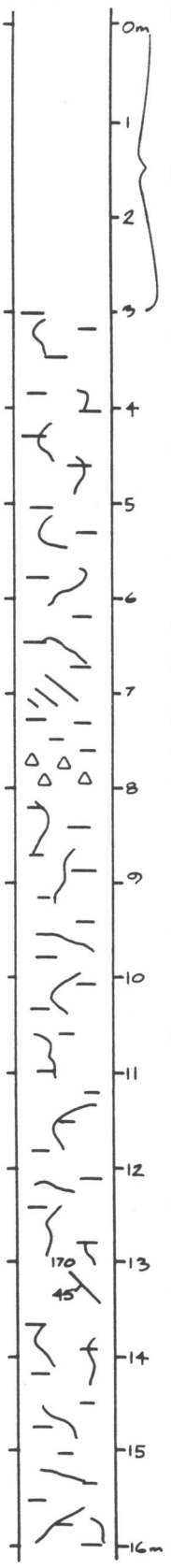
N.B. The major oxide elements and Ba, Be, Ce, La, Li are rarely dissolved completely from geological materials with this acid dissolution method.

T. No	SAMPLE No.	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
2	141222	0.6	3.88	584	2654	3.3	2	0.39	1.3	88	2	63	247	2.34	0.72	43	58	1.04	30	10	0.02	44	1.11	20	127	0.22	231	53
3	141223	1.0	3.61	882	4726	3.8	2	0.15	0.8	110	3	62	244	2.47	0.64	52	60	0.80	47	11	0.03	55	0.63	65	236	0.17	150	46
4	141224	1.4	2.54	1287	7948	4.7	2	0.15	0.8	73	3	84	183	1.45	0.30	35	20	0.33	24	12	0.04	33	0.66	149	287	0.07	160	40
5	141225	7.8	1.74	14632	6622	3.6	21	0.11	5.5	66	4	94	733	2.33	0.32	26	13	0.36	16	9	0.03	14	0.46	1244	264	0.11	172	54
6	141226	25.4	1.18	20054	3793	2.1	39	0.05	19.2	52	3	85	586	2.22	0.22	20	10	0.34	16	9	0.02	7	0.31	3237	64	0.08	137	78
7	141227	42.8	0.30	89018	4319	0.6	17	0.01	14.3	31	5	59	2496	8.91	0.37	19	4	0.05	21	37	0.02	6	0.32	6335	37	0.08	231	174
8	141228	17.6	1.92	11968	2654	2.1	11	0.04	6.5	39	2	66	320	3.24	0.56	15	30	1.40	26	6	0.03	4	0.27	940	80	0.12	202	86
9	141229	2.4	1.79	1033	3987	1.6	5	0.02	1.3	55	2	76	128	1.54	0.97	19	28	1.08	26	4	0.03	5	0.11	142	70	0.08	119	33
10	141230	1.2	1.71	815	3277	1.3	5	0.02	0.6	63	2	81	141	1.32	0.86	24	31	1.09	22	11	0.02	17	0.08	69	45	0.10	208	23
11	141231	6.2	2.91	8187	5417	2.4	8	0.05	2.1	73	5	94	213	1.91	0.68	36	30	0.83	37	13	0.03	48	0.38	241	96	0.15	254	59
12	141232	4.0	1.68	57864	1945	1.4	12	0.02	1.5	41	21	89	2424	3.99	0.47	21	32	0.62	24	8	0.02	22	0.17	94	38	0.08	190	42
13	141233	1.8	2.18	10022	4347	1.4	3	0.03	1.3	54	5	79	384	1.21	0.43	25	26	0.51	15	6	0.02	14	0.22	108	67	0.10	192	51
14	141234	3.6	3.03	11518	7653	2.3	6	0.06	1.5	73	3	70	371	1.31	0.55	40	19	0.31	12	8	0.04	14	0.43	113	137	0.12	269	100
15	141235	7.2	2.23	29336	5596	1.7	5	0.03	2.0	49	3	80	1650	2.59	0.39	24	14	0.26	14	14	0.03	13	0.25	192	63	0.24	337	68
16	141236	5.0	2.85	3042	4379	2.2	6	0.02	1.2	52	2	61	219	1.67	1.00	27	27	0.63	20	7	0.03	15	0.14	193	56	0.10	150	38
17	141237	3.6	4.10	1605	4959	2.1	5	0.10	1.1	57	3	43	281	1.44	1.37	28	34	0.67	15	6	0.04	51	0.25	27	101	0.12	193	52
18	141238	4.4	2.91	3879	5946	1.7	6	0.04	1.3	61	3	54	242	1.18	0.80	26	52	0.76	16	5	0.03	66	0.28	65	109	0.11	174	73
19	141239	9.6	4.97	14836	22969	2.8	10	0.30	3.4	90	8	99	604	1.75	0.46	42	20	0.11	29	23	0.09	37	2.25	60	970	0.02	517	486
20	141240	17.4	0.58	64904	4185	0.6	13	0.03	0.7	57	4	197	1473	5.79	0.07	44	4	0.03	31	32	0.02	11	0.56	82	225	0.03	574	71
21	141241	5.2	2.58	27206	13322	1.7	11	0.16	2.7	87	7	176	2797	2.53	0.20	54	13	0.06	24	42	0.05	36	1.29	175	557	0.03	1221	333
22	141242	63.4	5.48	26609	26293	3.7	17	0.36	4.2	102	8	336	252	4.79	0.46	46	11	0.03	20	80	0.11	24	2.56	211	1692	0.08	1653	897
23	141243	9.0	1.42	2976	10487	1.0	13	0.09	1.8	24	3	150	64	1.20	0.19	13	7	0.04	20	52	0.04	11	0.69	995	248	0.04	1078	203
24	141244	5.6	0.75	1322	4400	0.6	4	0.03	0.5	23	2	169	56	1.08	0.24	15	6	0.04	22	43	0.02	5	0.26	406	58	0.03	891	86
25	141245	16.0	2.38	2281	14167	1.3	5	0.10	1.3	47	4	130	45	0.80	0.21	34	8	0.04	12	47	0.05	11	0.82	220	184	0.05	1193	200
26	141246	14.0	0.78	1097	5267	1.1	2	0.59	1.4	39	2	209	100	0.68	0.20	21	6	0.03	13	27	0.03	7	0.61	158	84	0.02	720	102
27	141247	5.6	0.84	913	4929	0.8	2	0.17	0.6	21	2	223	67	0.49	0.27	12	13	0.08	19	30	0.02	7	0.25	374	48	0.04	1226	57
28	141248	11.4	1.31	1071	6520	1.2	6	0.04	1.6	33	2	244	41	0.64	0.30	25	15	0.09	13	32	0.03	6	0.33	873	84	0.05	1324	98
29	141249	3.2	1.23	1747	4205	0.9	5	0.04	0.9	23	2	156	50	1.38	0.24	14	6	0.04	15	50	0.02	6	0.40	329	102	0.05	1432	114
30	141250	2.4	2.33	3202	21785	1.6	9	0.16	5.7	50	6	170	83	1.66	0.24	28	8	0.03	11	49	0.08	14	1.33	171	528	0.06	1598	439
31	141251	84.0	2.67	9778	20972	3.2	12	0.19	2.4	55	9	231	63	2.22	0.26	32	10	0.04	27	87	0.08	17	1.69	123	710	0.09	2035	513
32	141252	28.0	1.94	9681	16789	2.3	9	0.14	4.5	57	5	187	187	3.29	0.18	30	5	0.02	18	72	0.07	8	1.67	88	624	0.03	952	471
33	141253	22.4	1.78	2685	16984	1.3	6	0.10	2.0	52	4	187	74	1.14	0.17	36	5	0.02	14	41	0.07	9	1.11	184	306	0.03	589	321
34	141254	28.4	2.92	1745	23312	1.8	13	0.14	1.4	63	6	182	47	0.84	0.21	37	7	0.03	20	33	0.09	13	1.58	539	396	0.04	536	446
35	141255	9.4	1.08	1041	3094	0.9	5	0.04	0.6	22	1	140	145	2.32	0.39	16	3	0.02	18	58	0.03	8	0.35	107	105	0.02	335	122
36	141256	2.8	1.51	813	4368	1.3	2	0.04	1.2	26	2	121	234	2.09	0.56	19	4	0.03	23	16	0.04	8	0.27	20	113	0.03	300	142

T. No	SAMPLE No.	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	C p.	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V pp	Zn m
37	141257	1.6	1.59	699	4819	1.2	2	0.04	0.5	28	2	139	92	1.42	0.33	23	4	0.03	17	43	0.03	7	0.31	27	90	0.05	607	93
38	141258	2.0	1.53	1288	14582	1.2	2	0.07	2.2	29	4	172	48	0.99	0.14	22	5	0.02	19	35	0.06	10	0.74	40	181	0.03	606	184
39	141259	4.2	2.42	3327	24136	1.8	6	0.17	5.3	55	6	123	86	1.92	0.18	21	7	0.03	18	78	0.10	12	1.62	67	479	0.03	704	407
40	141260	2.4	1.93	1867	15322	1.4	3	0.08	2.3	48	4	108	45	1.11	0.18	24	6	0.05	15	65	0.06	11	0.86	111	231	0.05	1221	207
41	141261	6.2	1.29	1776	6993	1.3	8	0.03	1.5	27	5	140	70	1.17	0.17	15	7	0.04	28	83	0.03	10	0.33	299	77	0.05	1119	70
42	141262	1.2	1.28	625	3827	0.9	2	0.03	0.2	22	2	133	68	0.94	0.20	16	4	0.04	17	54	0.02	7	0.24	56	67	0.06	1068	62
43	141263	3.2	1.95	1435	9920	1.2	3	0.06	0.6	23	3	166	46	0.91	0.18	15	6	0.05	29	68	0.04	10	0.54	71	140	0.07	1359	115
44	141264	8.0	1.32	3163	8638	1.2	4	0.05	1.0	19	3	139	76	1.07	0.17	14	5	0.04	16	69	0.03	8	0.51	238	117	0.06	1229	111
45	141265	2.6	2.03	4623	18542	1.4	5	0.18	4.2	40	5	161	97	2.15	0.18	24	7	0.05	20	73	0.07	11	1.32	116	391	0.03	690	277
46	141266	0.4	4.48	387	1866	3.1	2	0.69	2.8	78	3	51	517	2.36	0.45	39	60	0.80	28	5	0.02	173	0.76	21	133	0.25	287	176
47	141267	1.2	2.93	3699	3969	8.5	5	1.58	5.4	97	3	70	272	2.33	0.26	36	28	0.54	30	9	0.04	45	1.86	42	247	0.09	198	64
48	141268	3.8	0.87	18461	2671	1.0	6	0.41	1.8	44	12	89	287	2.19	0.18	14	6	0.28	20	8	0.02	12	0.20	306	17	0.19	175	25
49	141269	7.2	0.83	30037	2527	1.3	6	0.37	3.4	34	3	91	1129	3.02	0.16	11	5	0.28	21	5	0.02	5	0.18	121	16	0.17	154	34
51	141270	18.4	1.22	1415	2374	0.7	3	0.03	3.9	52	6	133	228	3.07	0.28	33	8	0.05	77	11	0.01	41	0.18	8347	211	0.01	145	772
52	141271	0.4	0.18	242	2245	0.2	2	0.02	0.2	5	1	177	20	0.39	0.07	4	6	0.01	19	15	0.01	4	0.08	68	85	0.01	39	14
53	141272	0.6	0.50	325	3275	0.3	2	0.01	0.2	9	1	173	51	2.03	0.28	6	11	0.03	22	16	0.01	3	0.07	29	36	0.01	42	17
54	141273	2.0	1.17	72715	1040	0.8	68	0.20	6.6	45	21	81	24	4.74	0.27	27	24	1.12	50	3	0.01	36	0.03	72	30	0.09	95	51
55	141274	91.0	0.14	~ 20%	1089	0.2	239	0.01	26.7	11	7	42	198	13.11	0.05	7	1	0.03	68	10	0.01	4	0.26	336	16	0.01	70	280
56	141275	2.4	3.87	2715	256	2.1	8	1.74	0.6	79	3	64	68	2.11	1.07	35	19	2.14	66	4	0.06	21	0.06	15	121	0.27	105	46
57	141276	2.0	1.59	1268	1224	2.0	2	6.92	4.8	25	2	217	256	1.11	0.41	22	11	0.24	28	31	0.04	19	3.45	22	379	0.02	492	70
58	141277	2.0	1.26	1557	848	1.3	2	2.77	2.8	61	2	225	120	0.67	0.31	16	11	0.21	22	22	0.03	18	1.34	17	153	0.03	262	43
59	141278	1.6	1.00	1869	906	1.2	2	1.75	1.5	46	1	243	138	0.81	0.32	13	7	0.15	22	21	0.02	17	0.86	13	92	0.02	252	26
60	141279	1.8	0.70	454	1260	1.3	2	1.68	1.8	50	1	234	37	0.61	0.24	23	4	0.04	19	23	0.02	7	0.86	11	112	0.01	415	18
61	141280	1.4	0.86	730	1849	1.9	2	1.43	2.2	38	4	294	35	0.81	0.21	25	7	0.04	40	32	0.02	10	0.96	14	133	0.01	426	43
62	141281	1.4	0.57	4545	2490	0.9	2	0.56	0.7	31	2	234	132	1.09	0.23	15	5	0.06	26	69	0.02	20	0.40	214	43	0.02	872	23

APPENDIX III

TRENCH MAPS



STRIKE 220° DIP 14°N

GOLD (ppb)		
		0m
		1
		2
		3
286	R141265	GREEN GREY YELLOW BANDED CHERT SILICEOUS / SILICIFIED BANDS/VEINS - GRST + FINE Sx
		4
676	64	SAME AS 3-4m ZONE - MODERATE SILICIFICATION
		5
215	63	SAME AS 6-7m ZONE - GRADUALLY BECOMING STRONGLY SILICIFIED
		6
208	62	GREEN GREY BANDED CHERT WITH MODERATE SILICIFICATION IN PATCHES MODERATE STRINGERS THROUGHOUT. LOCALLY INTENSE STRINGERS & SILICIFICATION
		7
223	61	BRECCIA - SILICEOUS MATRIX; MASSIVE SILICIFICATION - SAME AS R141253 GREEN - YELLOW CHERT WITH QUARTZ BOXWORK - CRISS CROSS.
		8
144	60	GREY BLACK BANDED CHERT
		9
449	59	AS ABOVE (8-9m ZONE)
		10
287	58	GREY CHERT WITH YELLOW Ox. BANDING 156°+52°W 156°+52°W ALSO JOINTING 012°+50E
		11
295	57	GREY DARK GREEN BANDED CHERTS - SOME YELLOW Ox. + WEATHERED OUT PY CUBES
		12
428	56	CHERT WITH LESSER QUARTZ STOCKWORK EUHEDRAL SMALL PY CUBES IN WEAKLY SILICIFIED CHERT.
		13
649	55	GREY SILICEOUS - LESS POROUS + Sx TENDENCY INTO QUARTZ STOCKWORK; VEINING INTO UNSILICIFIED CHERTS - SOME PY IN QUARTZ.
		14
799	54	GREY SILICIFIED - POROUS - WEATHERED GREY FROTHY Sx PATCHES YELLOW Ox. + GREEN ox. ASPY? + PY IN SILICEOUS
		15
476	53	SAME AS 14-15m ZONE
		16m

HEADING FROM RIDGE TO THE EAST

ARGILLITE

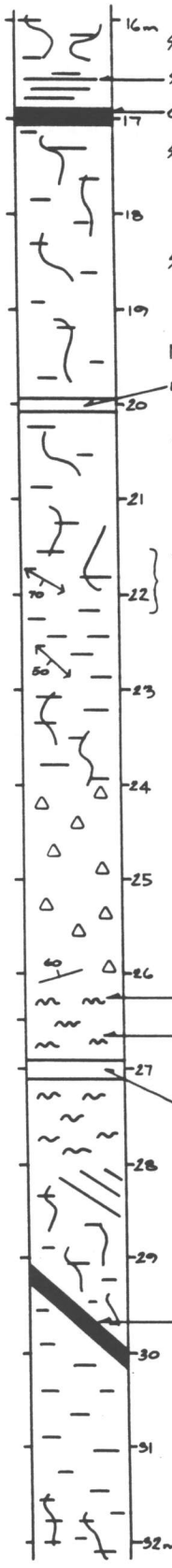
SILICIFIED ARGILLITE

SHEAR

REVISED	ITSI MOUNTAIN
	I-T-90-01 page 1 of 3
PROJ. No. 344	SURVEY BY: D. KELSCH DATE: NOVEMBER 1990
N.T.S. 105 I/13	DRAWN BY: HANDESIGN SCALE: 1:75
DWG. No.	NORANDA EXPLORATION OFFICE: WHITEHORSE

VANCAL 11927

STRIKE 040°↑ DIP 5°S TRENCH STARTS AT RIDGE



GOLD (ppb)			
1016	R141252	16m	STRONG SILICIFIED ARGILLITE (S.S.A.) - GREY (LIGHT) - FROTHY WEATHERED Sx
			SOME SILICEOUS BANDING IN COLOURS.
		17	ORANGE ZONE OF INTENSELY WEATHERED LIMONITIC POROUS SILICA
698	51		S.S.A. WITH FOREST GREEN PATCHES AND GREY AS WELL - PATCHES ARE ARGILLITE LESS
			REPLACED TO QUARTZ. Scor STAINS MINOR.
		18	
558	50		S.S.A. BRECCIATED TEXTURE
		19	
796	49		MODERATELY SILICIFIED ARGILLITE; CHLORITIC PATCHES OF ARGILLITE
			INTENSE SILICIFICATION - WEATHERED OUT Sx - GREEN SERICITE IN HOLES.
		20	
679	48		S.S.A. - CHLORITE PATCHES + SOME CFluorite?); MINOR Sx
		21	
303	47		SAME AS 20-21m ZONE + GREY SILICIFICATION + OCCASIONAL FROTHY Sx PATCHES
		22	QUARTZ VEINING ALONG SHEARS.
372	46		BANDED CHERTY ARGILLITE - SILICIFIED ZONES WITHIN CROSS-CUT; SILICIFIED <1% Sx CPy)
		23	
887	45		SAME AS 22-23m ZONE
		24	
639	44		SAME AS 22-23m ZONE + Bx ZONE; CHLORITIC VEINLETS + QUARTZ STRINGERS (FEW) -
			<1% AsPy - STILL GREEN STAINING.
		25	
618	43		Bx CHERT OR SILICIFIED ARGILLITE - MATRIX SILICEOUS Sx <1%
		26	
4341	42		YELLOW ORANGE CLAY ALTERED FRAGMENTS IN ICE MATRIX.
4097	41		QUARTZ FRAGMENTS - SHEARED UP WITH WHITE CREAM-LIKE CLAY MATRIX HARD >6 MINERAL
		27	FILLING FRACTURES.
			QUARTZ VEIN + DISSEMINATED AsPy 25%
3908	40		GREY ALTERED FAIRLY SOFT ARGILLITE. FROZEN MATRIX
		28	
913	39		LIGHT GREY ALTERED ARGILLITE - CLAY-LIKE SHEARED - MICRO-DILATANT QUARTZ VEINING
			(FRACTURE) AsPy + Tals - <1% + ICE
		29	
			BLACK TO GREY WEAKLY ALTERED ARGILLITE MINOR QUARTZ VEINLETS
328	38		CREAM COLOUR MONTMORILLONITE CLAY ZONE
		30	
142	37		GREY-BLACK ARGILLITE - NO MINERALIZATION
		31	
			AS ABOVE (30-31m ZONE)
291	R141236		CREAM BLIFF ARGILLITE -
			ALTERED WITH QUARTZ
			BOXWORK - STRINGERS
		32m	THERMOFROST.

REVISED	ITSI MOUNTAIN
	I-T-90-01 page 2 of 3
PROJ. No. 344	SURVEY BY: D. KELSCH DATE: NOVEMBER 1990
N.T.S. 105 I/13	DRAWN BY: HANDESIGN SCALE: 1 : 75
DWG. No.	NORANDA EXPLORATION OFFICE: WHITEHORSE

VANCAL 11927

STRIKE 040° | DIP 5°S

GOLD (ppb)		
1191	R141235	CHALKY WHITE-BUFF ALTERED ARGILLITE · ASPY DILATANTS + QUARTZ STRINGERS + LIGHT GREEN - LIME VEINLETS (SCOR?) ICE MATRIX
760	34	SAME AS 32-33m ZONE - GRADING INTO LESS ALTERED ARGILLITE - MORE SOLID & LESS CLAY LIKE - STILL ASPY + QUARTZ BOXWORK STRINGERS.
617	33	BUFF ALTERED ARGILLITE WITH QUARTZ BOXWORK STRINGERS.
		PATCH OF MASSIVE ASPY 10cm + 5cm
	45 ASPY	MORE MASSIVE ASPY VEIN & VEINLETS + SOME QUARTZ IN MODERATE ALTERED ARGILLITE
2367	32	EXT. ALTERED ARGILLITE TO SOFT BUFF CLAY - MINOR QUARTZ STRINGER.
380	31	WEAKLY ALTERED ARGILLITE - BUFF GREY.
		UNALTERED CONTACT (VERY WEAKLY ALTERED)
112	30	BLACK ARGILLITE - YELLOW CLAY ON FRACTURES
123	29	SAME AS 37-38m ZONE
566	28	MODERATE - STRONG (BUFF) ALTERED ARGILLITE IN ICE MATRIX MINOR QUARTZ STOCKWORK.
		CONTACT
2075	27	BLUE GREEN TO ORANGE FAULT GOUGE + Bx FRAGMENTS, - SOME ASPY FRAGMENTS
1935	26	BLOCKS OF VERY ALTERED ARGILLITE - LIGHT BROWN CLAY LIKE + FEW QUARTZ + ASPY STRINGERS / BOXWORK.
740	25	AS ABOVE (41-42 ZONE) - GRADING INTO BLACK FRAGMENTS OF ALTERED ARGILLITE - ICE MATRIX
		CONTACT - FROM HERE ON ALL BLACK GRAPHITIC, SOFT (FINE GRAINED) JET BLACK - LIKE ARGILLITE
229	24	
		BLACK - GRAPHITIC ARGILLITE - FRACTURED / BLOCKY - LOCALLY BANDED AND LOCALLY SIMILAR TO 43 to 45m ZONE.
52	23	
56	R141222	

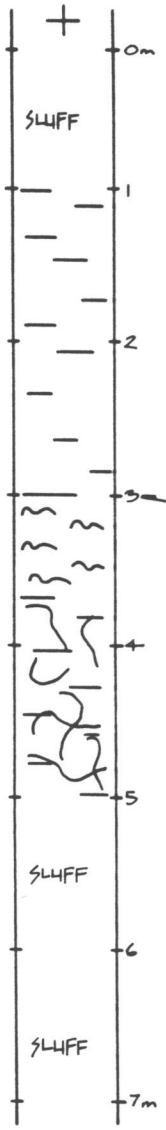
109+09E, 100+06N

REVISED	ITSI MOUNTAIN
	1-T-90-01 page 3 of 3
PROJ. No. 344	SURVEY BY: D. KELSCH DATE: NOVEMBER 1990
N.T.S. 105 I/13	DRAWN BY: HANDESIGN SCALE: 1 : 75
DWG. No.	NORANDA EXPLORATION OFFICE: WHITEHORSE

VANCAL 11927

L 109+00E
100+07N

STRIKE 221° DIP 18S



GOLD (ppb)		
45	R141266	BLACK GROUND UP CHERT/ARGILLITE - LARGEST PIECES (15cm) SHOW BLUE COATING ON SLICKENSIDED SURFACES.
1167	67	BLACK SHALES AS ABOVE WITH SECTIONS OF BANDED BUFF BLACK ARGILLITE - SOFT
		CONTACT OF BUFF ALTERED ARGILLITE - CLAY
1569	68	BRECCIATED - SILICIFIED BLOCKS & ALTERED BUFF ARGILLITE & ASPY WISPS. SOME LARGE DILATANT ASPY BLOCKS. GRADES INTO ALTERED ARGILLITE BUFF.
597	R141269	BUFF ALTERED ARGILLITE GRADING INTO WHITE EXTREMELY CLAY ALTERED ARGILLITE WITH INCREASINGLY MORE QUARTZ VEINING AND ASPY CONTENT (TRACE PY)

CONTACT BETWEEN I-T-90-01 AND 02 SW END IS 118° - ARGILLITE TO MINERALIZED ROCKS (ASPY - SILIC).

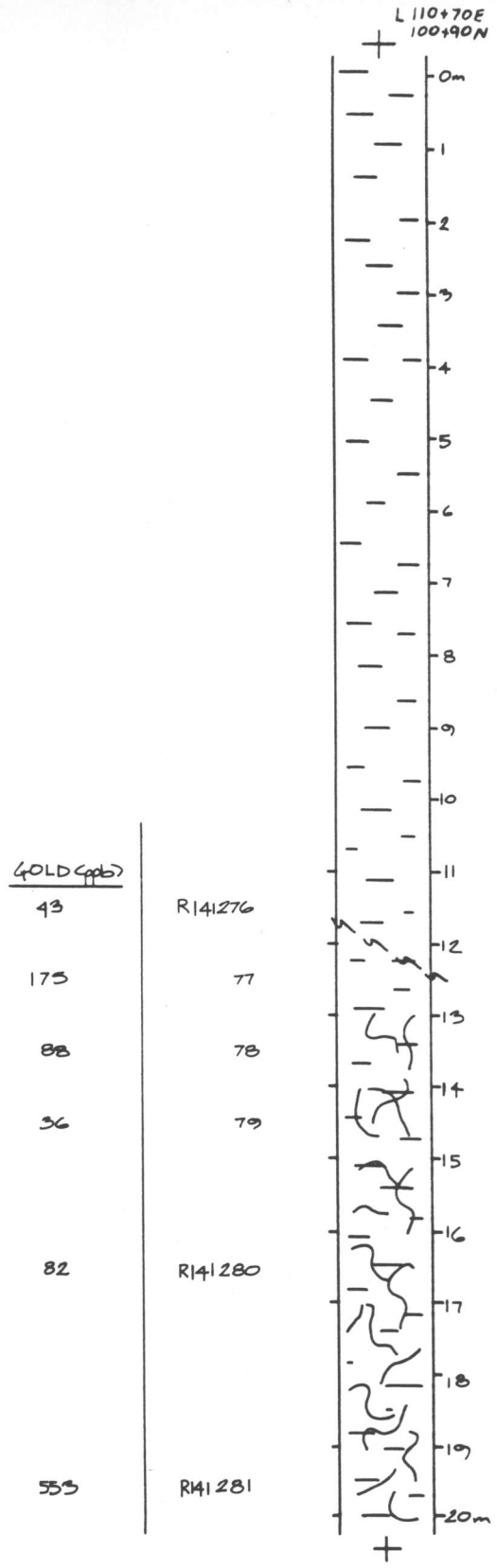
ARGILLITE

SILICIFIED ARGILLITE

SHEAR

REVISED	ITSI MOUNTAIN
	TRENCH I-T-90-02
PROJ. No. 344	SURVEY BY: D. KELSCH DATE: NOVEMBER 1990
N.T.S. 105 I/13	DRAWN BY: HANDESIGN SCALE: 1:50
DWG. No.	NORANDA EXPLORATION
	OFFICE: WHITEHORSE

VANCAL 11927



REVISED	ITSI MOUNTAIN
	1-T-90-03
PROJ. No. 344	SURVEY BY: D. KELSCH DATE: NOVEMBER 1990
N.T.S. 105 1/13	DRAWN BY: HANDESIGN SCALE: 1:1000
DWG. No.	NORANDA EXPLORATION
	OFFICE: WHITEHORSE

VANCAL 11827

092889

LEGEND

- PROPERTY BOUNDARY
- x OUTCROP SAMPLE
- △ FLOAT SAMPLE
- R141274 SAMPLE NUMBER

FIG. 5

REVISED	ITSI MOUNTAIN PROJECT
	GEOLOGY AND ROCK LOCATIONS
PROJ. No.: 344	SURVEY BY: D. KELSCH — DATE: NOVEMBER 1990
N.T.S.: 105 I/13	DRAWN BY: HANDESIGN — SCALE: 1 : 5000
DWG. No.:	NORANDA EXPLORATION
	OFFICE: WHITEHORSE

MAP #105 I/13 Doc #092889 277

L106+00E
L107+00E
L108+00E
L109+00E
L110+00E
L111+00E
L112+00E
BASE LINE 100+00N
Argillite
T-89-01
T-89-02
R117314
R117316
R117315
R117312
T-89-03
R117370
R117368
R117339
R117375
R117373
T-89-04
R117361
T-89-05
R117357
R117400
R117358
R117362
R117356
R117364
R117331
R117374
R117372
R117371
R117369
R117367
T-90-01
R141265
Silicified Argillite
T-89-06
R117382
R117397
R141266
R141269
T-90-02
Argillite
R141222
T-90-03
R141276
R141278
R141279
R141281
Silicified Argillite
1700
1800
1900
SCALE 1 : 1000
25 0 25 50 75 100 METRES

LEGEND

- 90-01 — Trench (Year, Trench number)
- Limit of Outcrop
- Silicified Argillite (with Quartz veining as shown)
- 1700 — Contour Intervals 20m
- Fault (approximate)
- R141266 — Chip Sample
- Sample Interval

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Fig. 6

REVISED	ITSI MOUNTAIN
	1989 and 1990 TRENCH AND CHIP SAMPLE LOCATIONS
PROJ. No. : 344	SURVEY BY : D. KELSCH DATE : NOVEMBER 1990
N.T.S. : 105 I/13	DRAWN BY : HANDESIGN SCALE : 1 : 1000
DWG. No. :	NORANDA EXPLORATION
	OFFICE : WHITEHORSE

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L106+00E
L107+00E
L108+00E
L109+00E
L110+00E
L111+00E
L112+00E
BASE LINE 100+00N
Argillite
T-89-01
2.76 gmt Au/7m
T-89-03
4.48 gmt Au/2.6m
2.59 gmt Au/3m
T-89-04
4.9 gmt Au/30m
14.24 gmt Au/ 6m
T-89-05
1.33 gmt Au/3m
T-89-06
2.83 gmt Au/1m
1.33 gmt Au/1m
1.37 gmt Au/2m
T-90-01
Silicified Argillite
1.02 gmt Au/1m
3.01 gmt Au/3m
1.19 gmt Au/1m
2.57 gmt Au/1m
T-90-02
1.58 gmt Au/1.5m
T-90-03
1800
1700
SCALE 1 : 1000
25 0 25 50 75 100 METRES

FIG. 7

LEGEND

- 90-01 — Trench (Year, Trench number)
- Limit of Outcrop
- Silicified Argillite (with Quartz veining as shown)
- 1700 — Contour Intervals 20m
- Fault (approximate)

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REVISED

ITSI MOUNTAIN

1989 and 1990
TRENCH AND CHIP RESULTS
≥ 1.0 gmt Au

PROJ. No. : 344
N.T.S. : 105 I/13
DWG. No. :

SURVEY BY : D. KELSCH DATE : NOVEMBER 1990
DRAWN BY : HANDESIGN SCALE : 1 : 1000

NORANDA EXPLORATION
OFFICE : WHITEHORSE

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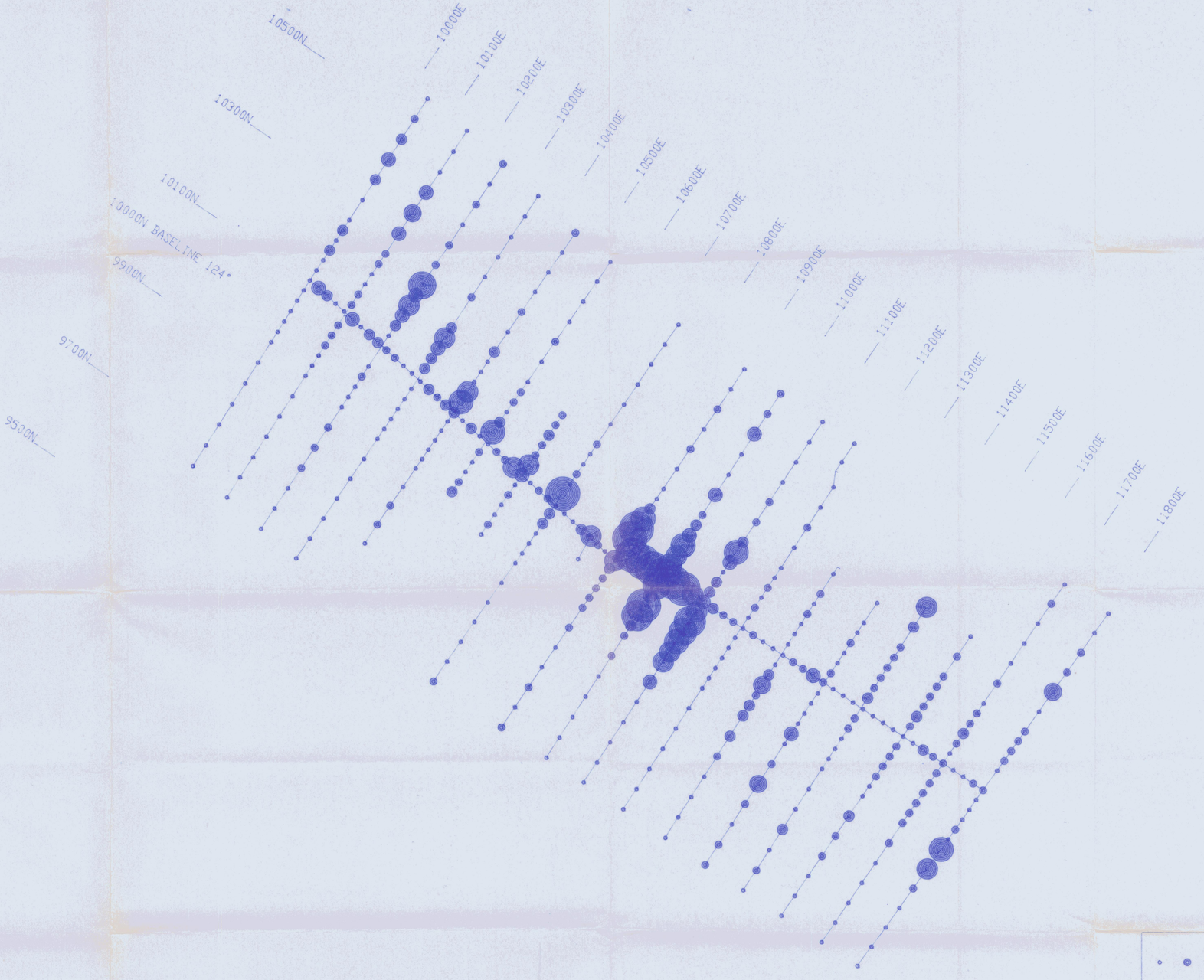

Contour Interval :

100m 50m 0m 100m 200m

>0 <10	>=10 <25	>=25 <50	>=50 <75	>=75 <100	>=100 <250	>=250 <500	>=500 <750	>=750 <1000	>=1000

PPB Au

FIG. 8

092889

ITSI

SOIL GEOCHEMICAL SURVEY

PPB Au

PROJECT: ITSI MOUNTAIN PROJECT # : 344

BASELINE AZIMUTH : 124 Deg.

SCALE = 1: 5000 DATE : 8/12/90

SURVEY BY : D HEON NTS :

FILE: C344ITS

NORANDA EXPLORATION

MAP #105I/13 Doc #092889

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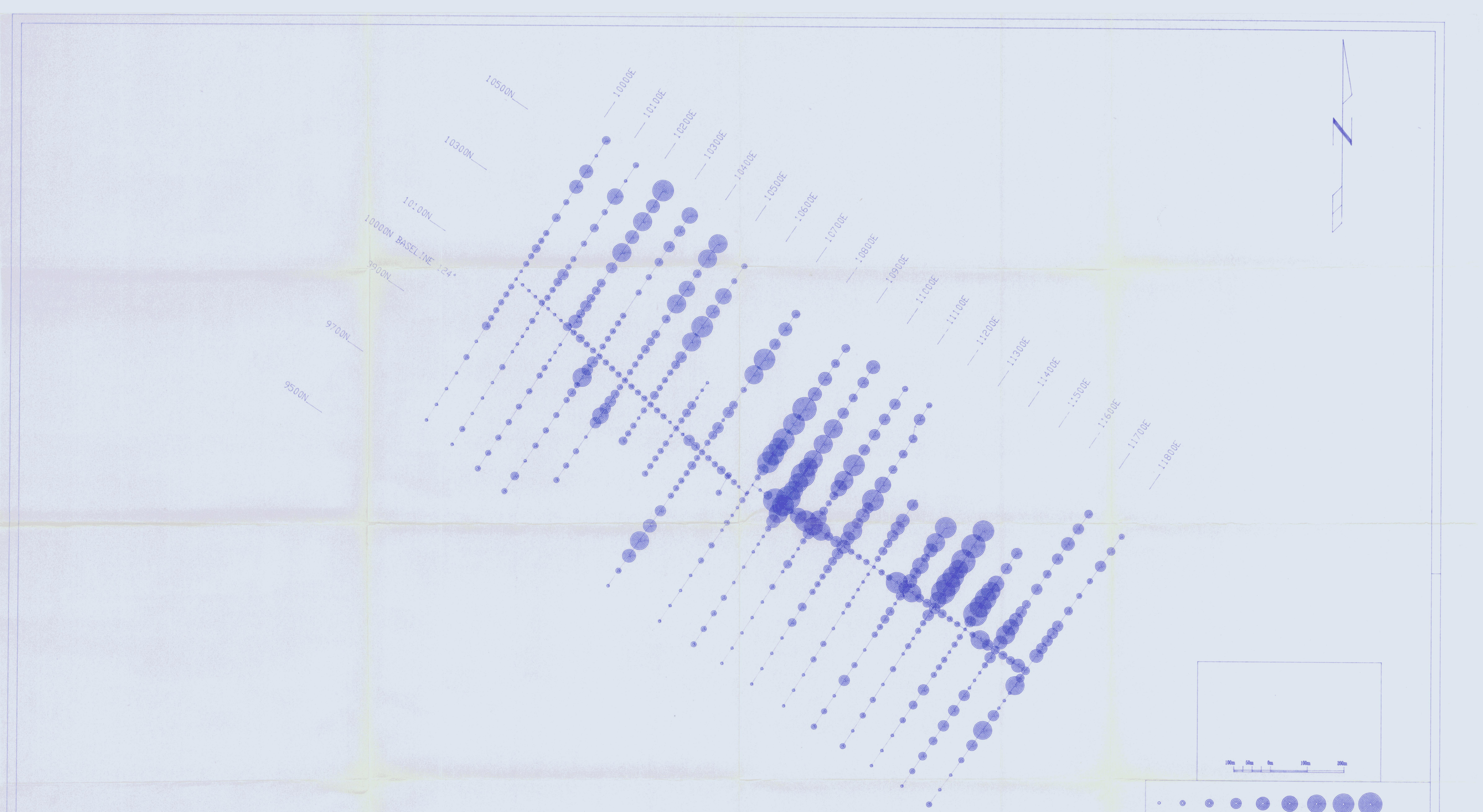

FIG. 9

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ITSI

SOIL GEOCHEMICAL SURVEY
PPB Hg
PROJECT: ITSI MOUNTAIN PROJECT # : 344
BASELINE AZIMUTH : 124 Deg.

SCALE = 1: 5000 DATE : 8/12/90
SURVEY BY : D HEON NTS :
FILE: C344ITS
NORANDA EXPLORATION

MAP#105 F/13 Doc#092889

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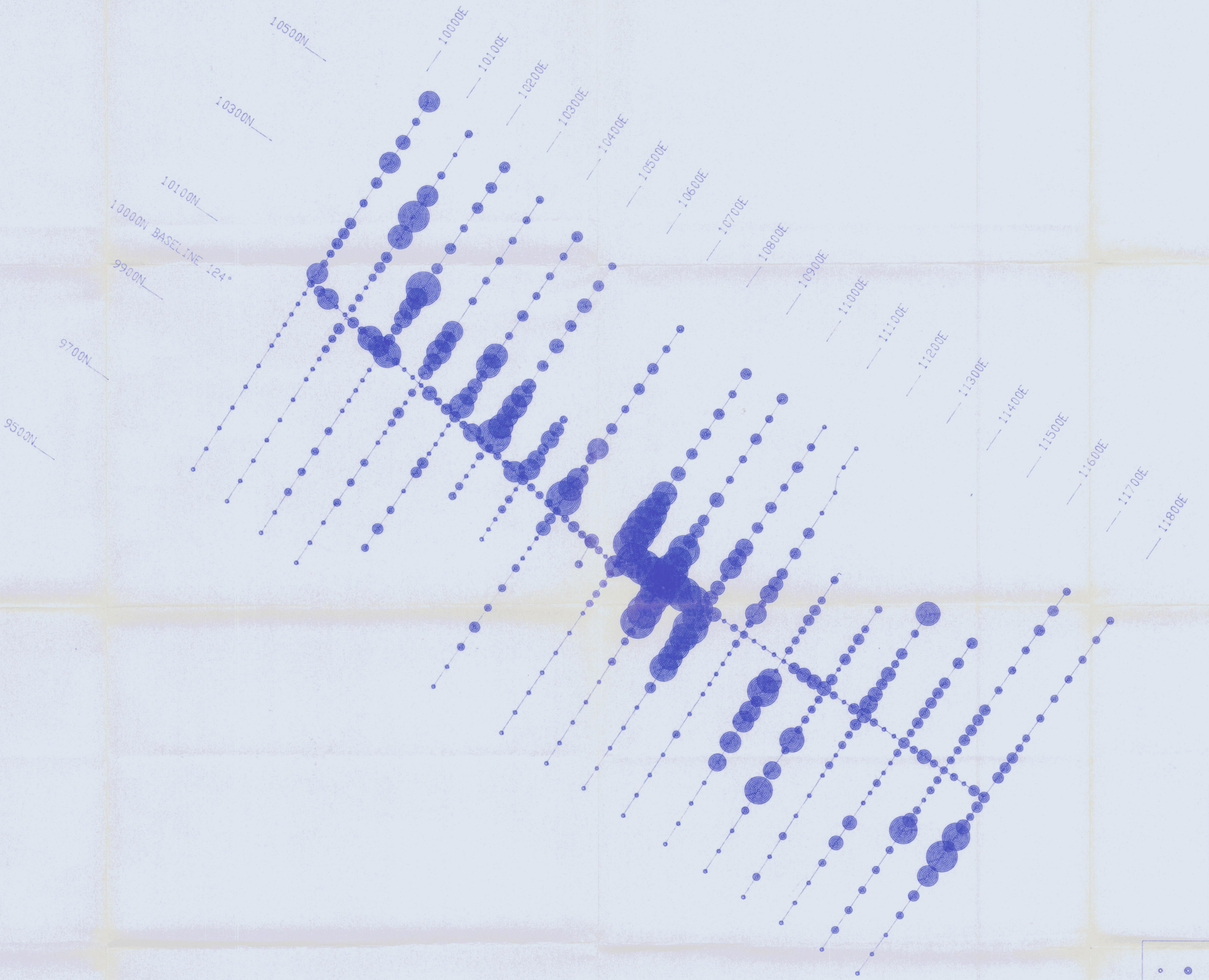

Contour Interval :

100m 50m 0m 100m 200m

>0 <100	>=100 <250	>=250 <500	>=500 <750	>=750 <1000	>=1000 <1500	>=1500 <2000	>=2000 <3000	>=3000 <5000	>=5000

PPM As

FIG. 10

092889

ITSI

SOIL GEOCHEMICAL SURVEY

PPM As

PROJECT: ITSI MOUNTAIN PROJECT # : 344

BASELINE AZIMUTH : 124 Deg.

SCALE = 1: 5000 DATE : 8/12/90

SURVEY BY : D HEON NTS :

FILE: C344ITS

NORANDA EXPLORATION

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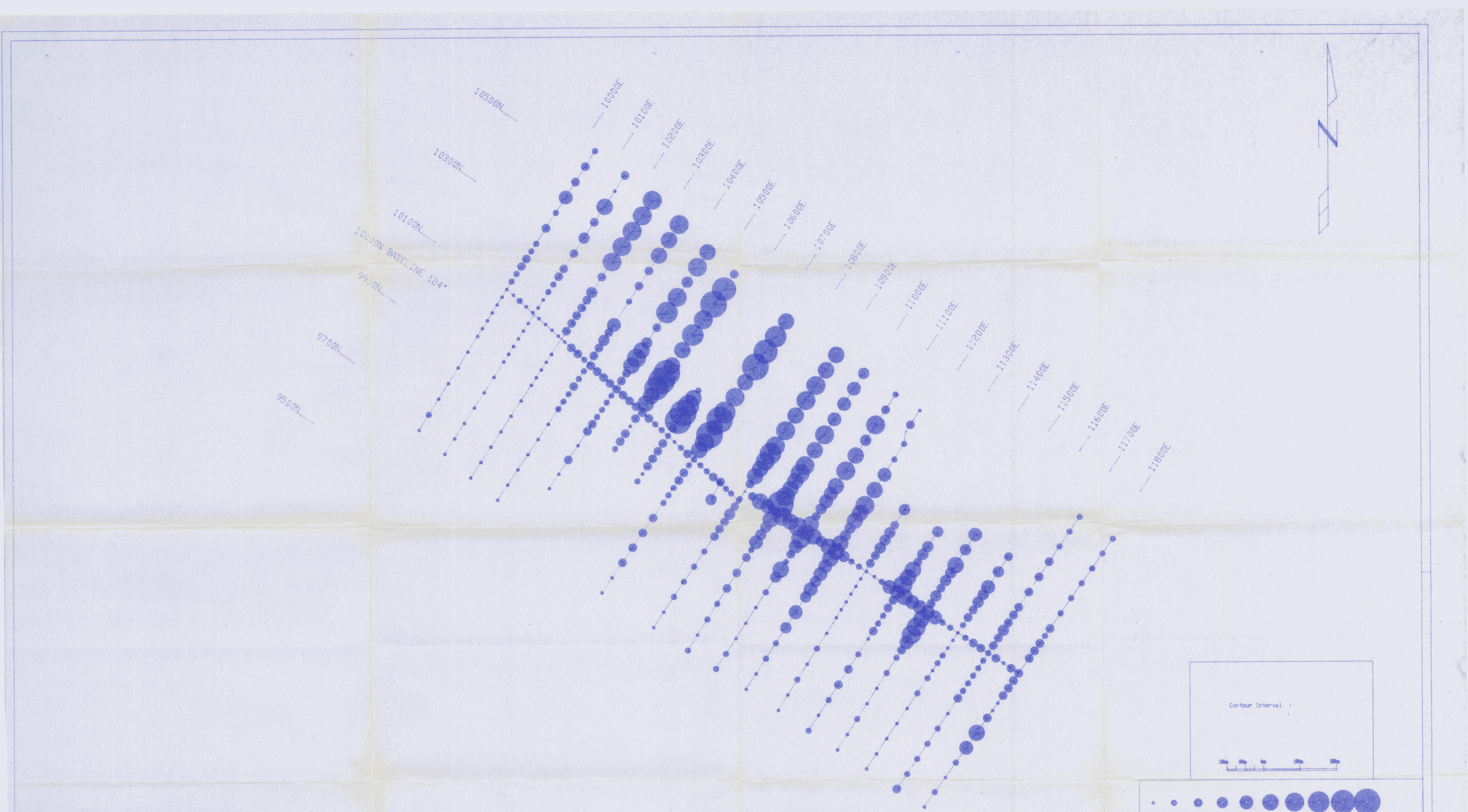

FIG. 11

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ITSI

SOIL GEOCHEMICAL SURVEY
PPM V
PROJECT: ITSI MOUNTAIN PROJECT # : 344
BASELINE AZIMUTH : 124 Deg.

SCALE = 1: 5000 DATE : 8/12/90
SURVEY BY : D HEON NTS :
FILE: C344ITS
NORANDA EXPLORATION

MAP#105 F/13 Doc092889

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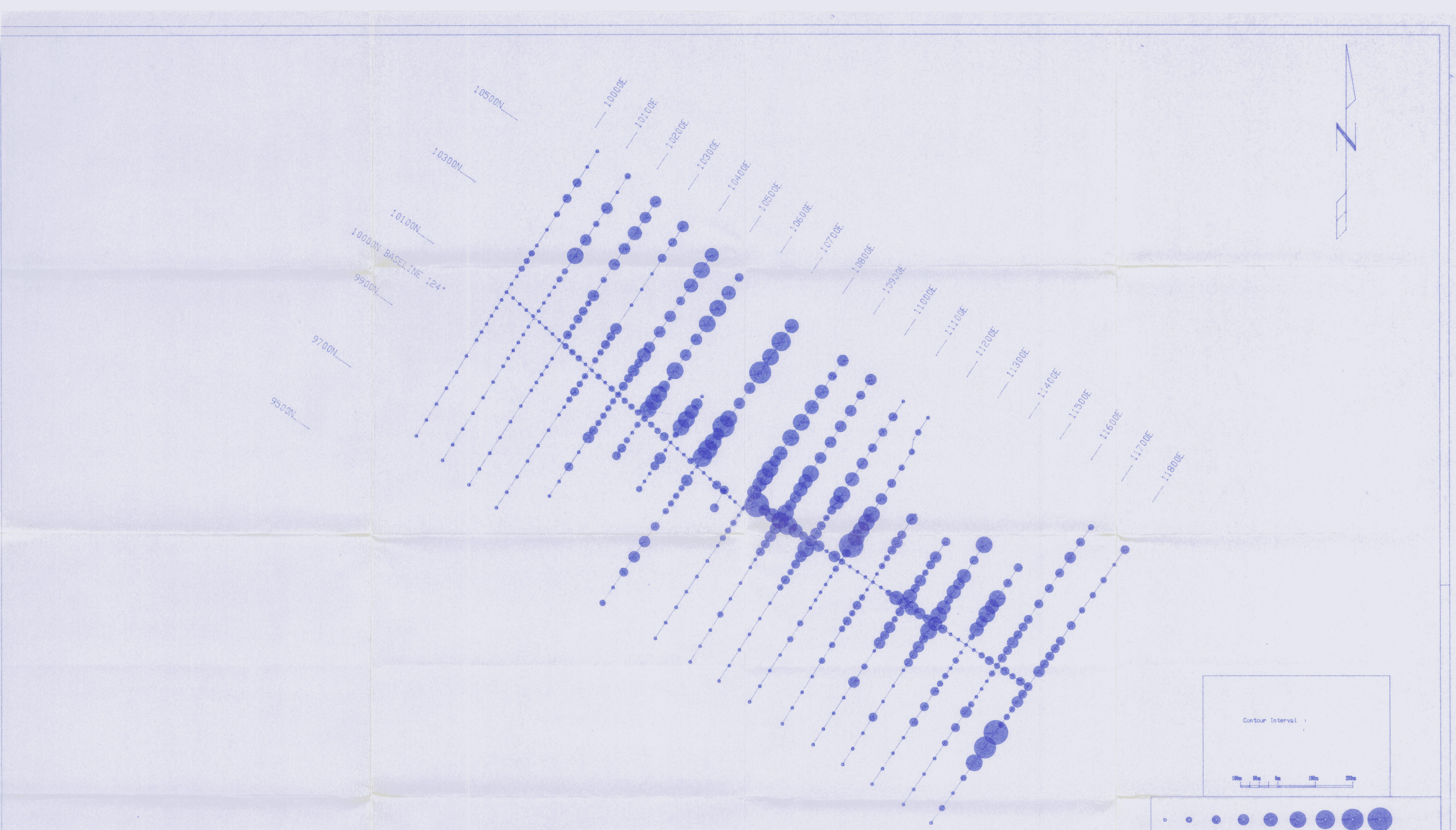

Contour Interval :

100m 50m 0m 100m 200m

>0 <1.5	>=1.5 <3.0	>=3.0 <5.0	>=5.0 <7.5	>=7.5 <10	>=10 <15	>=15 <20	>=20 <25	>=25

PPM Ag

FIG. 12

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ITSI

SOIL GEOCHEMICAL SURVEY

PPM Ag

PROJECT: ITSI MOUNTAIN PROJECT # : 344

BASELINE AZIMUTH : 124 Deg.

SCALE = 1: 5000 DATE : 8/12/90

SURVEY BY : D HEON NTS :

FILE: C344ITS

NORANDA EXPLORATION

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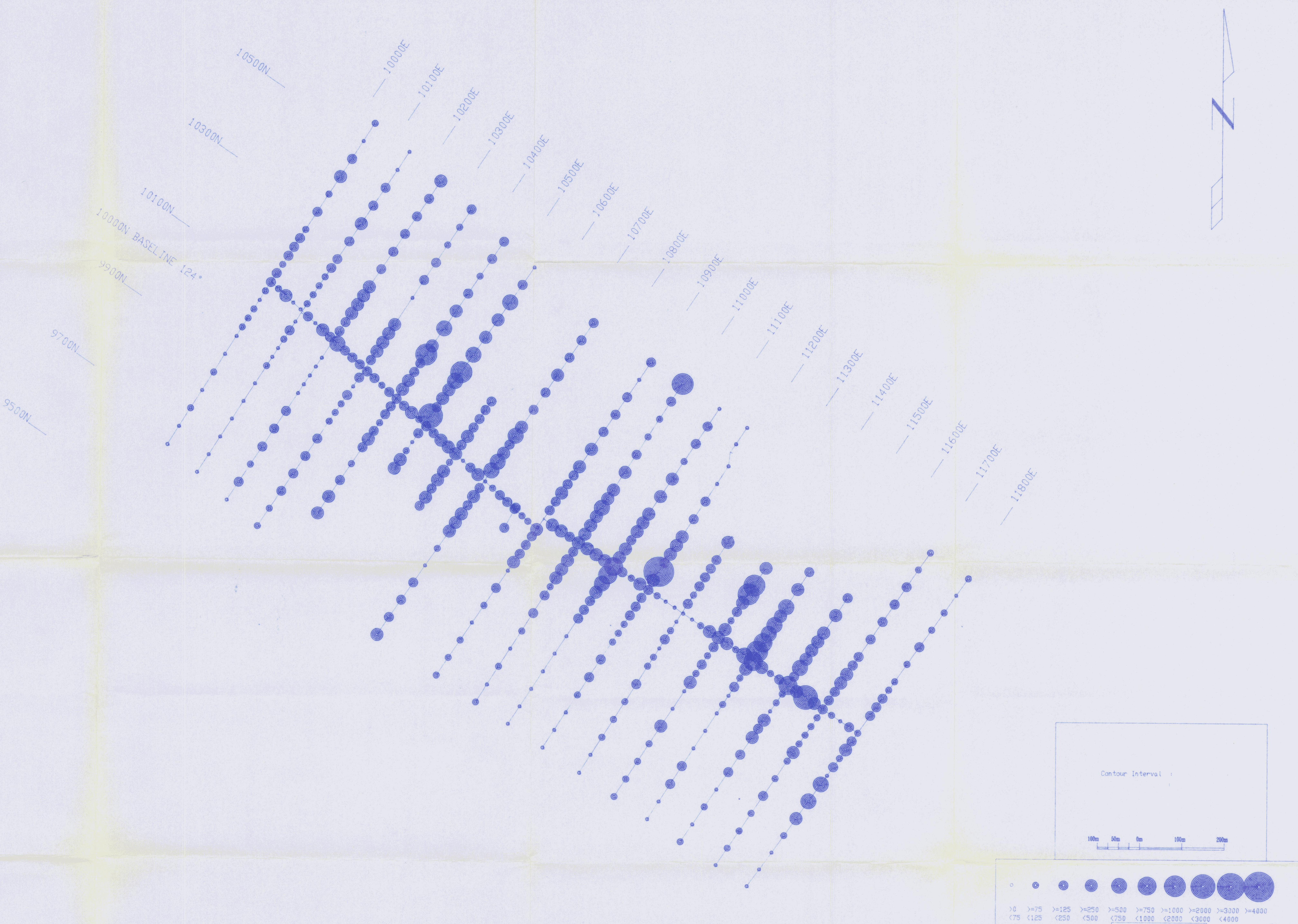

FIG. 13

ITSI

SOIL GEOCHEMICAL SURVEY
PPM Cu
PROJECT: ITSI MOUNTAIN PROJECT # : 344
BASELINE AZIMUTH : 124 Deg.

SCALE = 1: 5000 DATE : 8/12/90
SURVEY BY : D HEON NTS :
FILE: C344ITS

NORANDA EXPLORATION

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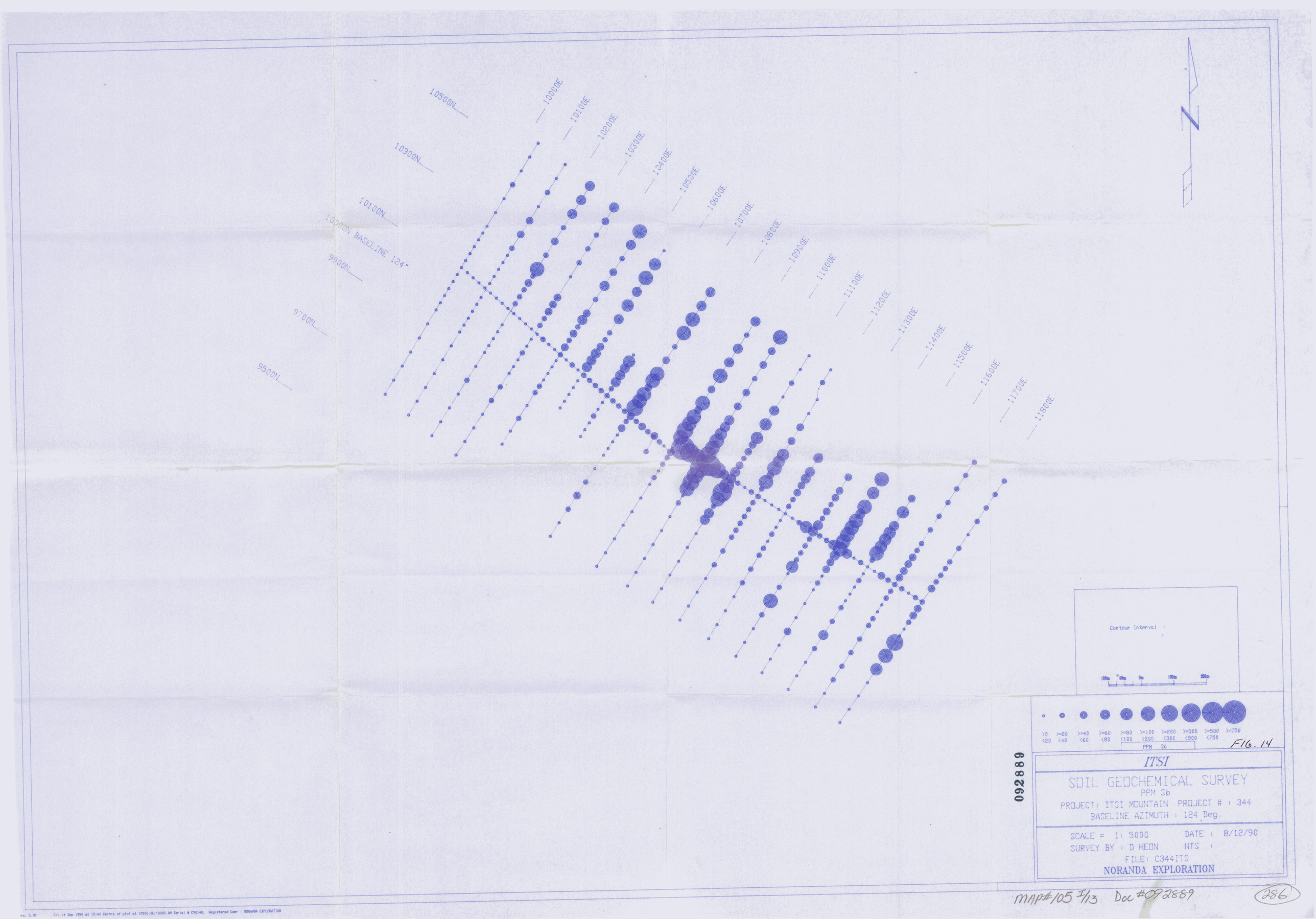

F16.14

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ITSI

SOIL GEOCHEMICAL SURVEY
PPM Sb
PROJECT: ITSI MOUNTAIN PROJECT # : 344
BASELINE AZIMUTH : 124 Deg.

SCALE = 1: 5000 DATE : 8/12/90
SURVEY BY : D HEON NTS :
FILE: C344ITS
NORANDA EXPLORATION

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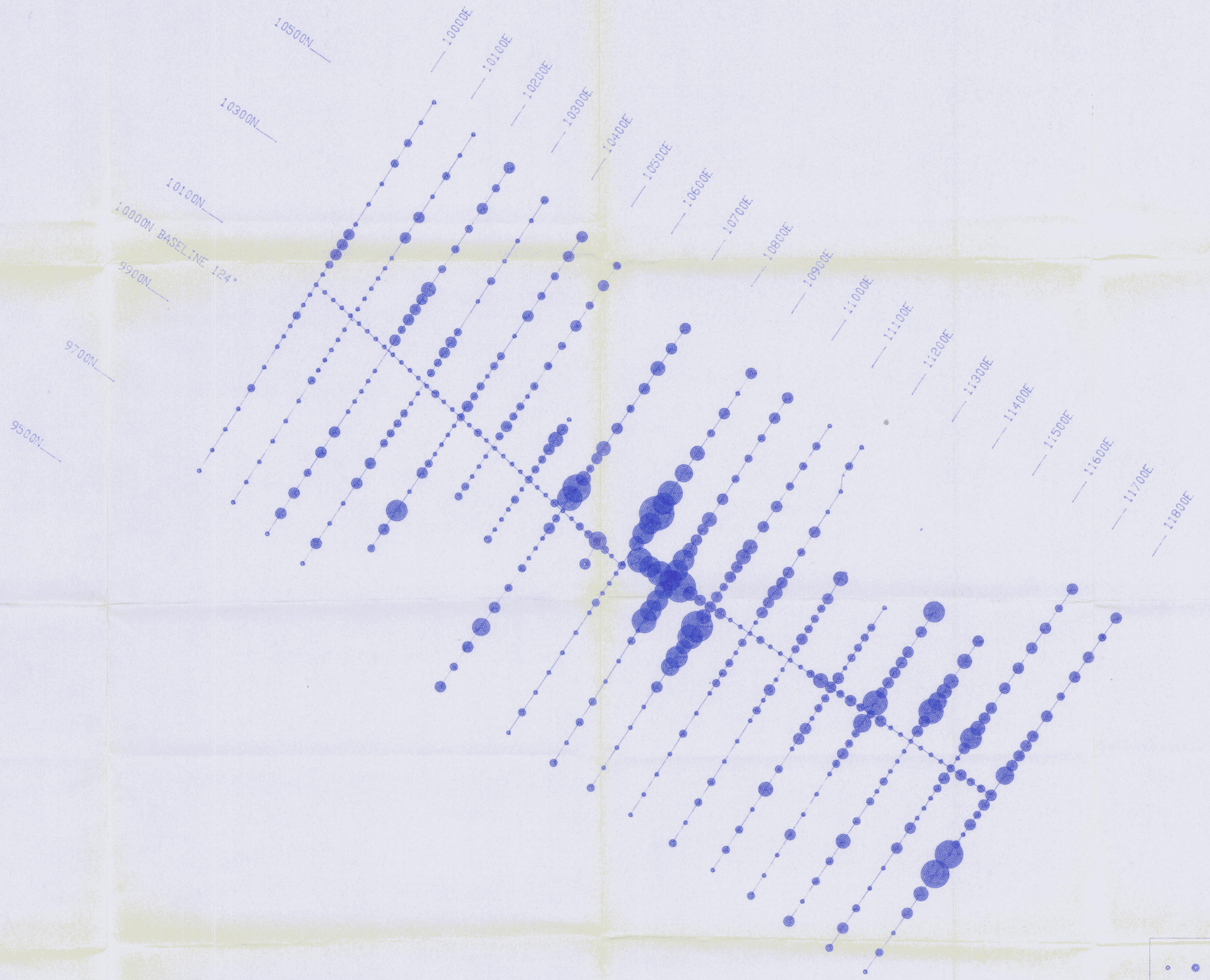

Contour Interval :

100m 50m 0m 100m 200m

>0 <30	>=30 <50	>=50 <100	>=100 <150	>=150 <200	>=200 <300	>=300 <500	>=500 <750	>=750 <1000	>=1000

PPM Pb

FIG. 15

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ITSI

SOIL GEOCHEMICAL SURVEY

PPM Pb

PROJECT: ITSI MOUNTAIN PROJECT # : 344

BASELINE AZIMUTH : 124 Deg.

SCALE = 1: 5000 DATE : 8/12/90

SURVEY BY : D HEON NTS :

FILE: C344ITS

NORANDA EXPLORATION

MAP#105 F/13 Doc 092889

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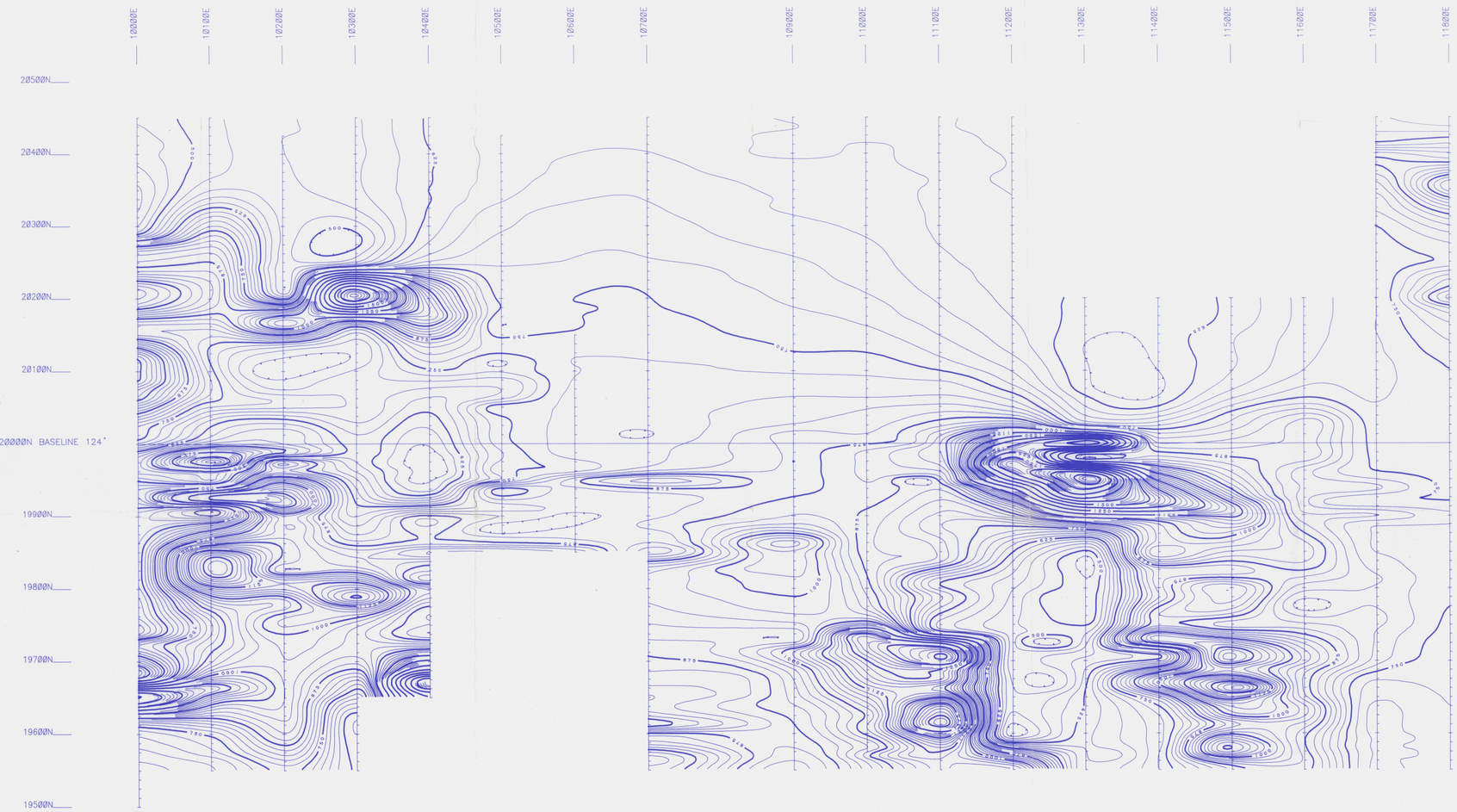

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Instrument : OMNI
Field : TOTAL
Datum : 58000.0 nT

Contour Interval : 25 nT

Conductor Axis :

50m 25m 0m 50m 100m

FIG. 16

ITSI MTN.

MAGNETOMETER SURVEY

PROJECT: ITSI MTN. PROJECT # : 344
BASELINE AZIMUTH : 124 Deg.

SCALE = 1 : 2500 DATE : 9/ 1/90
SURVEY BY : AMEROK NTS :
FILE: M344

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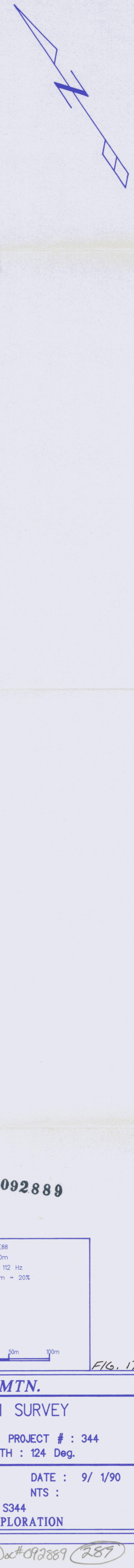

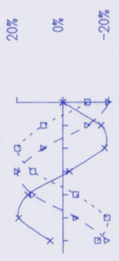

Instrument : SE88
Coil Spacing : 100m
Ref. Frequency : 112 Hz
Vertical Scale : 1 cm = 20%
Conductor Axis :
337 Hz
1012 Hz
3037 Hz

50m 25m 0m 50m 100m

FIG. 17

ITSI MTN.

SE-88 EM SURVEY

PROJECT: ITSI MTN. PROJECT # : 344
BASELINE AZIMUTH : 124 Deg.

SCALE = 1: 2500 DATE : 9/ 1/90
SURVEY BY : AMEROK NTS :
FILE : S344
NORANDA EXPLORATION

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