MAP NO.: 115 A 13

ASSESSMENT REPORT X
PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 092902
MINING DISTRICT: WHITEHORSE
TYPE OF WORK: GEOLOGICAL, GEOCHEMICAL GEOPHYSICAL

REPORT FILED UNDER: NORANDA EXPLORATION COMPANY LIMITED

DATE PERFORMED: JUNE 1990

DATE FILED: DEC. 10. 1990

LOCATION: LAT.: 60°52'N

LONG.: 137°58'W

AREA: HAINES JUNCTION

VALUE $: 20,000

CLAIM NAME & NO.: COLTON 1-14
VAIL 1-30

WORK DONE BY: DANIELE HEON

WORK DONE FOR: NORANDA EXPLORATION COMPANY LIMITED

DATE TO GOOD STANDING:

REMARKS: Geological, geochemical and geophysical surveys were conducted over the Vail property. Two target types were examined. Structurally controlled Au-Cu veins and Cu-Ni Au mineralization in ultramafic intrusions. Vein mineralization yielded values in the 1-3 gpt range. The second type proved disappointing with Ni values in the 0.1 to 0.2% range. Recommendations were to not persue the anomalies obtained during the 1990 program due to the location of the property and its visibility from the highway.

GEOLOGICAL, GEOCHEMICAL & GEOPHYSICAL REPORT

on the

COLTON 1-14 & VAIL 1-30 CLAIMS

Whitehorse Mining District

N.T.S.: 115 A/13

Latitude: 60 52'N

Longitude: 137 58'W

OFFICE OF THE REGIONAL MANAGER
MINERAL RIGHTS
DEC 11 1990
WHITEHORSE
YUKON TERRITORY

092902

CONFIDENTIAL

REC
DEC 1

Optioned by: Noranda Exploration Co. Ltd.
(no personal liability)

D. Héon
November, 1990

ASSESSMENT

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 $ 20,000.

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

SUMMARY

A reconnaissance exploration program was undertaken by Noranda Exploration in June 1990 on the Vail property, located 15km northwest of Haines Junction, in southwestern Yukon.

The property is underlain by Permo-Triassic mafic volcanics and intercalated sediments, Jurassic argillic sediments and a body of serpentinized peridotite of undetermined age.

Previous sampling had outlined two types of targets: gold (copper) mineralization in quartz veins in the volcanic/sediment sequence and copper-nickel mineralization associated with the peridotite body.

A first phase exploration program consisted of grid soil sampling, prospecting and mapping at a reconnaissance scale. A second phase, consisting of a magnetometer survey, was executed by a contractor.

Soil results outlined several areas of interest. A linear belt of anomalous gold values measures approximately 1500 X 200m. A thin copper anomaly overlaps the northeastern flank of the gold anomaly. Three rock samples grading over 1 g/t Au (up to 3.1 g/t Au) were collected from this area. The northwestern edge of this zone remains open as an area of the steep hillside has not been covered by the prospecting.

Another soil gold anomaly corresponds to the serpentinite/sediment contact.

Copper-nickel as well as copper-gold-nickel anomalies are located on or near the baseline, the former coinciding with a

known Cu-Ni showing in the serpentinite, the latter with outcrops of mineralized gabbro.

A trend of anomalous copper in soils is associated with the known copper showing located in the centre of the property.

The property merits follow-up trenching work. However, due to its politically delicate location (adjoining Kluane National Park, easily sighted from the highway), it is recommended that the work not be pursued.

CHAPTER ONE: INTRODUCTION

1-1: Introductory Statement

The Vail property is located 15km northwest of Haines Junction, on the edge of the Kluane Ranges in southwestern Yukon.

It sits on the western flank of the Shakwak Trench, and is adjacent to the Denali Fault System. The property consists of two contiguous claim blocks totalling 44 mineral claims. Following preliminary mapping and prospecting, Noranda Exploration optioned the property in January, 1990. Exploration work was focused on two targets, Cu-Au mineralization in a volcanic-sediment package and Ni-Cu mineralization related to a body of serpentinized peridotite.

This report describes the work program executed by Noranda Exploration Co. Ltd. in 1990.

1-2: Location and Access

The Vail property is located on mapsheet 115 A/13 at 137 degrees 58' W longitude and 60 degrees 52'N latitude (Fig.1 & 2). It is 15km from the town of Haines Junction and 5km west of the Alaska Highway. It sits at the foot of the Kluane Ranges in the Kluane Game Sanctuary, just outside Kluane National Park.

Access to the property is by the old Alsek road which branches from the Alaska Highway at MacIntosh Lodge (8km northwest of Haines Junction) and leads into Kluane Park. This road reaches the southern tip of the property from which a helicopter chartered from Haines Junction permits access to the rest of the property.

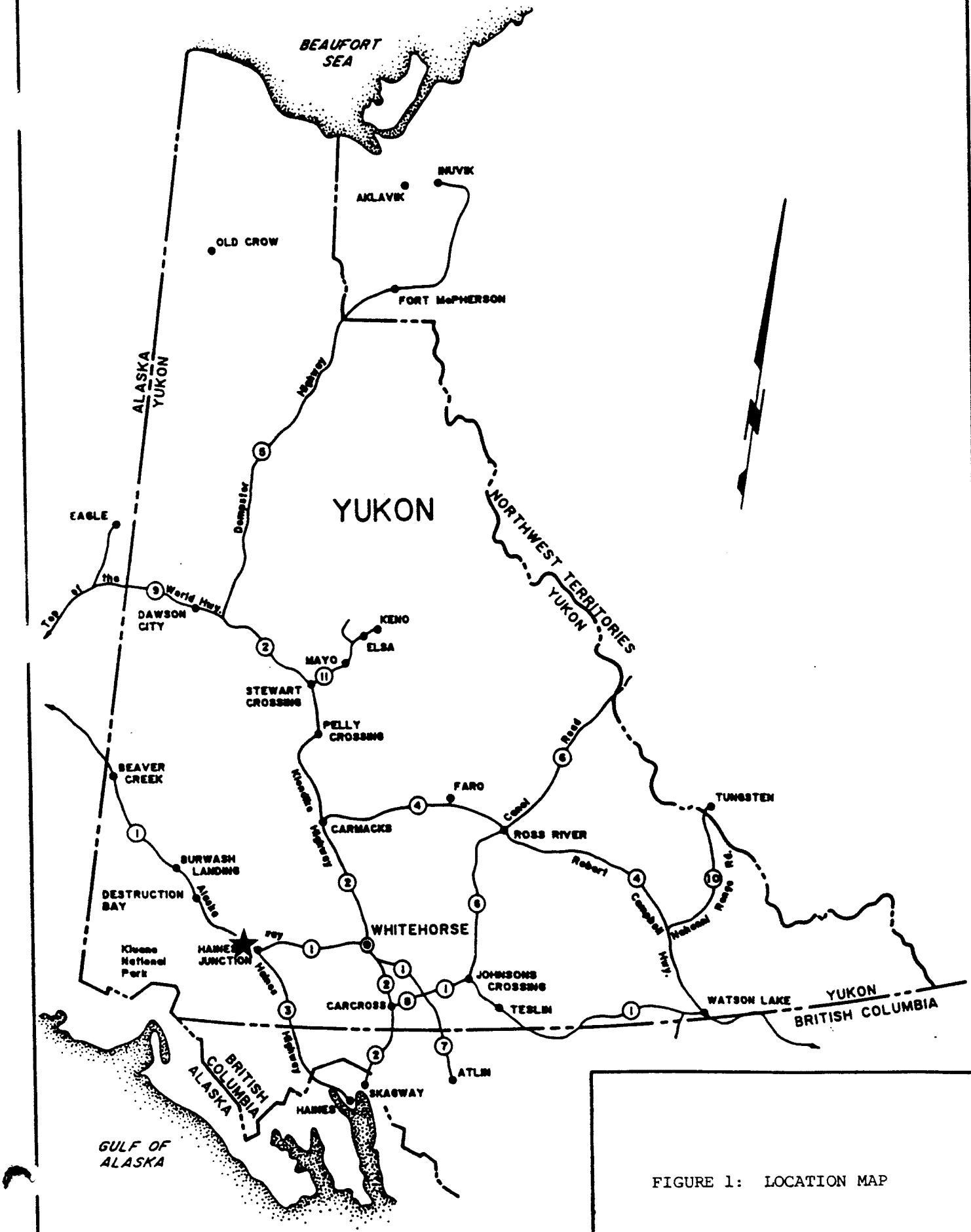


FIGURE 1: LOCATION MAP

NATIONAL TOPOGRAPHIC SERIES

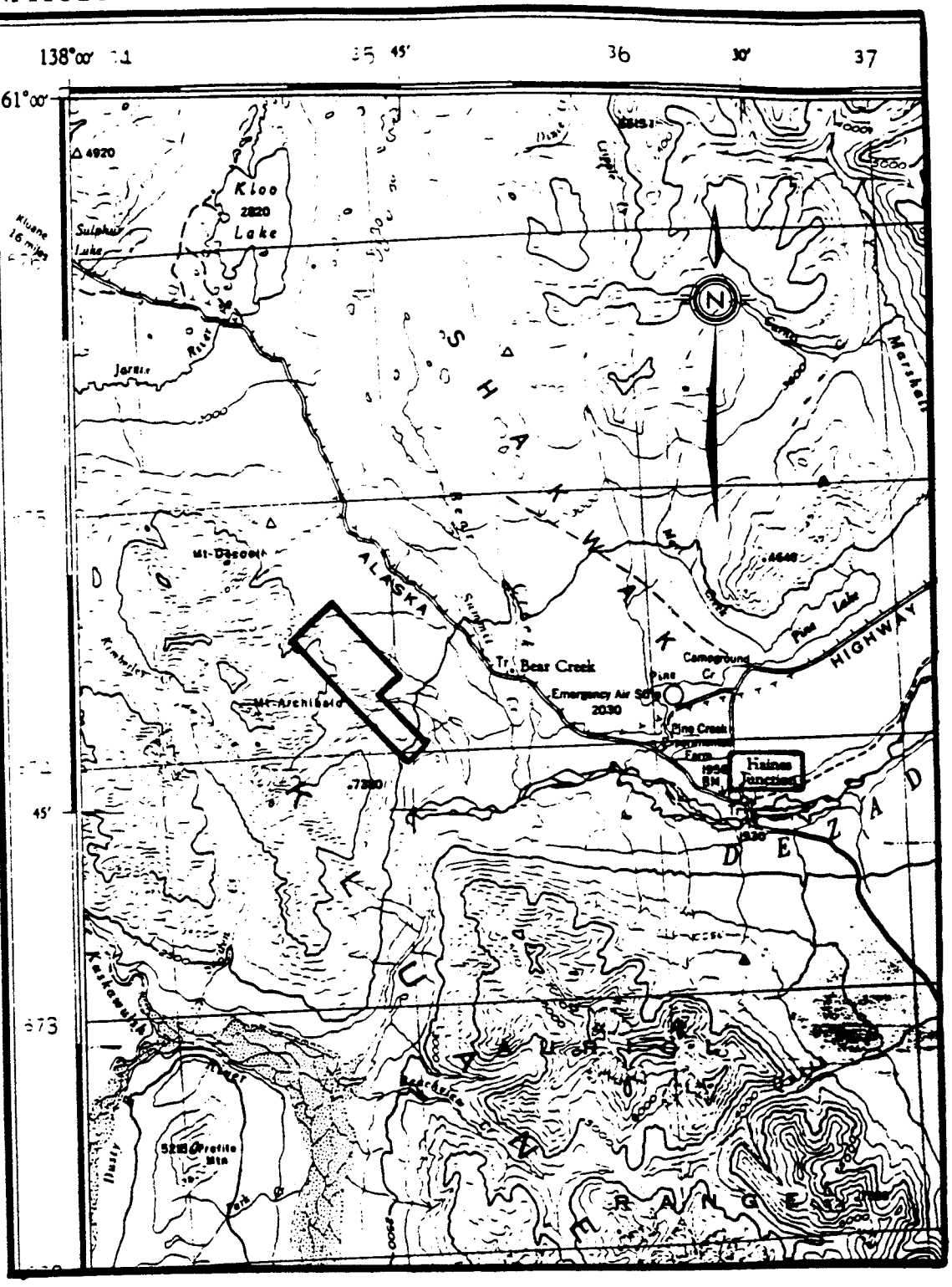


FIGURE 2: PROPERTY LOCATION MAP

115 A/13

1:250,000

1-3: Physiography and Vegetation

The property is located on the eastern slope of the Kluane Ranges, as defined by Bostock (1948), which form a narrow steep ridge rising abruptly from the low and broad Shakwak Valley. The valley floor (at 600m elevation) and lower slopes are covered with various brush and small trees while the higher reaches are characterized by grassy slopes, talus and scree slopes as well as steep ridges and cliffs. Maximum elevation on the property is 1800m but can reach 2600m nearby. Icefields are located west of the property and drainage is by wide glacial streams.

Treeline is marked at around 1000m but "brush line" (locally dense) on the property is at 1200m.

The area is characterized by very strong winds that come down from the icefields into the valley.

1-4: History of the Claims

The Vail and Colton claims are collectively known as the Vail property. The pertinent data is summarized below:

CLAIMS NAME	RECORD NUMBER	STAKING DATE	EXPIRY DATE
Colton 1-14	YB24624-037	Nov. 88	Dec. 9, 1990
Vail 1-30	YB25501-530	March 89	March 20, 1990

Noranda Exploration Co. Ltd. optioned the property in January, 1990 and conducted its first phase of work during the summer of that year.

1-5: Previous Exploration

Previous work on the property consists of prospecting done by the owners in June and July of 1989. Noranda geologists made

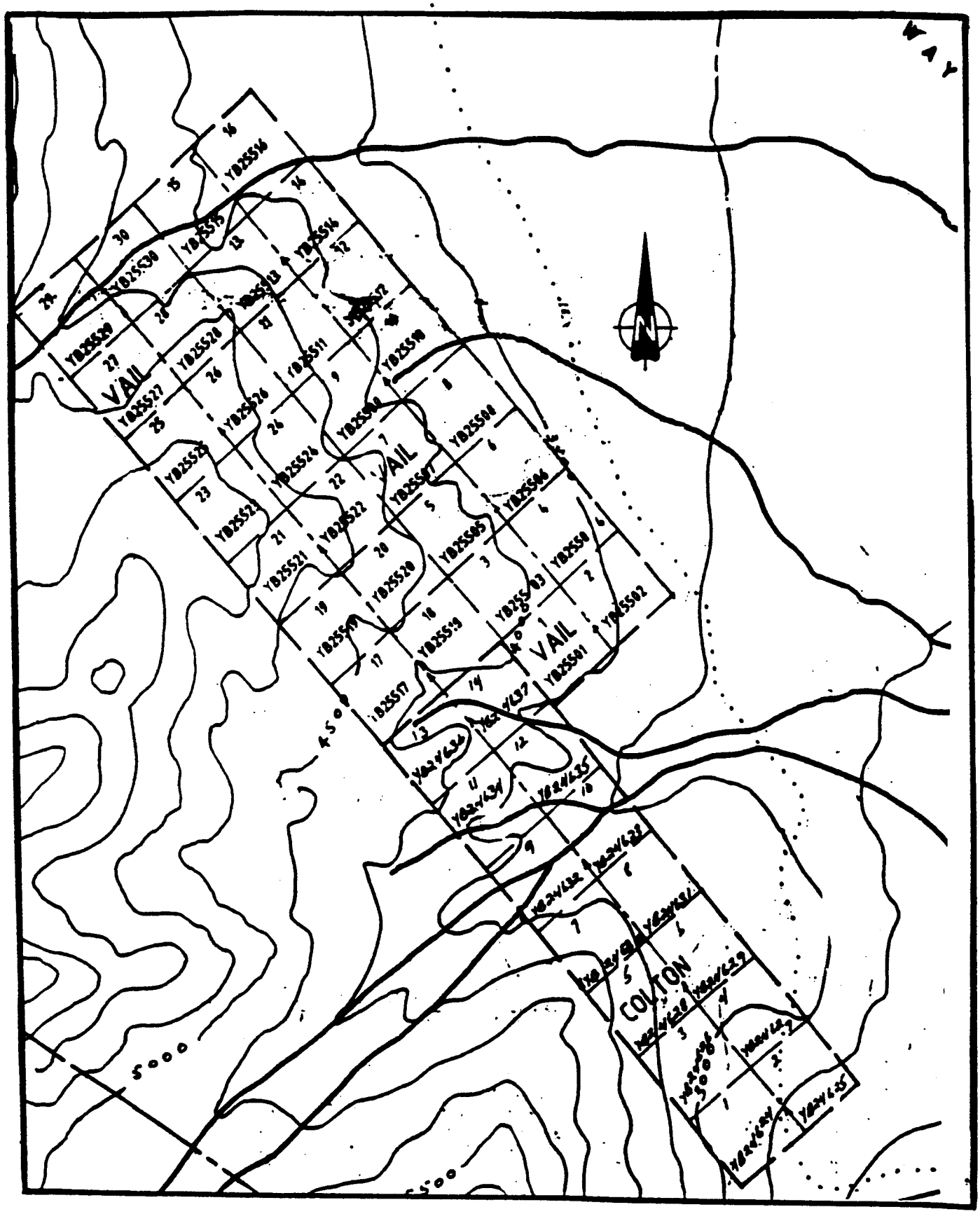


FIGURE 3: CLAIM MAP

115 A/13

1:30,000

two visits to the property at that time. G.S. Davidson's Summary Report (1990) of the property outlines the results obtained by this preliminary prospecting.

Significant conclusions from this work include:

-2 copper (gold) showings (6.3% Cu and 2.5% Cu - 1476ppb Au) in veins in mafic volcanics and metasediments, both southwest of the main peridotite contact.

- 1 copper (nickel) showing (0.13% Cu, 0.179% Ni) in the peridotite.

-copper mineralization in altered gabbros (0.89%, 1.37%)

-several copper occurrences in the 0.1 to 0.2% range throughout the volcanic sequence.

-a value of 19.7g/t Au in a quartz-sericite float sample was obtained by Noranda personnel on their first property visit.

This preliminary prospecting was the basis for more detailed exploration work. Significant regional exploration will be described in section 2.2 Regional Exploration.

1-6: Work Program

The 1990 exploration program was conducted in two phases. The first phase, from the 12th to the 26th of June, consisted of grid soil sampling, prospecting and mapping.

The crew of four consisted of :

Bill Burton	Soil Sampler	Vancouver, B.C.
Val Celuszak	" "	Whitehorse, Yukon
Gernot Wober	Geologist	Vancouver, B.C.
Daniele Heon	"	Westmount, Quebec

The second phase consisted of a magnetometer survey contracted to Amerok Geophysics from Whitehorse, Y.T. which will be discussed in the Geophysics chapter.

A Trans-North helicopter chartered from Haines Junction provided access to the property from the old Alsek road. The southern part of the property is accessible from this road.

A grid consisting of 27 lines spaced 200m apart (for a total of 35km of lines), was established on a 5.6km long slope corrected baseline trending at 316 degrees. The lines were sampled at 50m stations. A total of 777 grid soil samples were collected on the grid. One contour soil line consisting of 55 soil samples was completed to cover the top of a steep ridge and one random soil sample was taken for a grand total of 833 soil samples.

A total of 141 rock samples were collected and analyzed for Au, Hg and 30 element ICP. Of these, 44 samples were also analyzed for Pt, Pd and Rh.

The mapping and prospecting covered mostly the northern part of the property. Thick glacial overburden covered with dense brush vegetation in the south central part of the property limited the work in those areas.

CHAPTER TWO: GEOLOGY

2-1: Regional Geology

The Vail property lies on the western flank of the Shakwak Valley which marks the boundary between two tectonic terranes: the Coast Plutonic Complex to the east and the Gravina-Nutzotin (or Wrangelia) belt to the west (Fig. 4). The Denali Fault System, representing the suture between these two terranes is a northwest trending Tertiary dextral strike slip fault with 250km of displacement. The property lies at the margin of this corridor of deformation, within the Gravina Nutzotin belt which is thought to represent an accreted mesozoic island arc. Within this belt a sequence of rocks is bounded to the northeast by the Shakwak Trench and to the southwest by the Duke River Fault. It consists of Permo-Triassic or older (Pennsylvanian) mafic arc volcanics and interbedded sediments, and mafic to ultramafic intrusives all folded along northwest trending axes and slivered by sub-parallel faults. This sequence is unconformably overlain by Upper Triassic to Jurassic sediments of the Dezadeash Group. All these rocks show a variety of deformation textures, from the development of schistosity to tight folding to wide bands of mylonitization. The belt hosts a number of copper-nickel occurrences.

The relative ages of the units throughout this belt is not tightly constrained. A new map, soon to be published by NAP-INAC, will hopefully clarify the ages and the contact relationships of these units. The G.S.C. Open File 830 map is

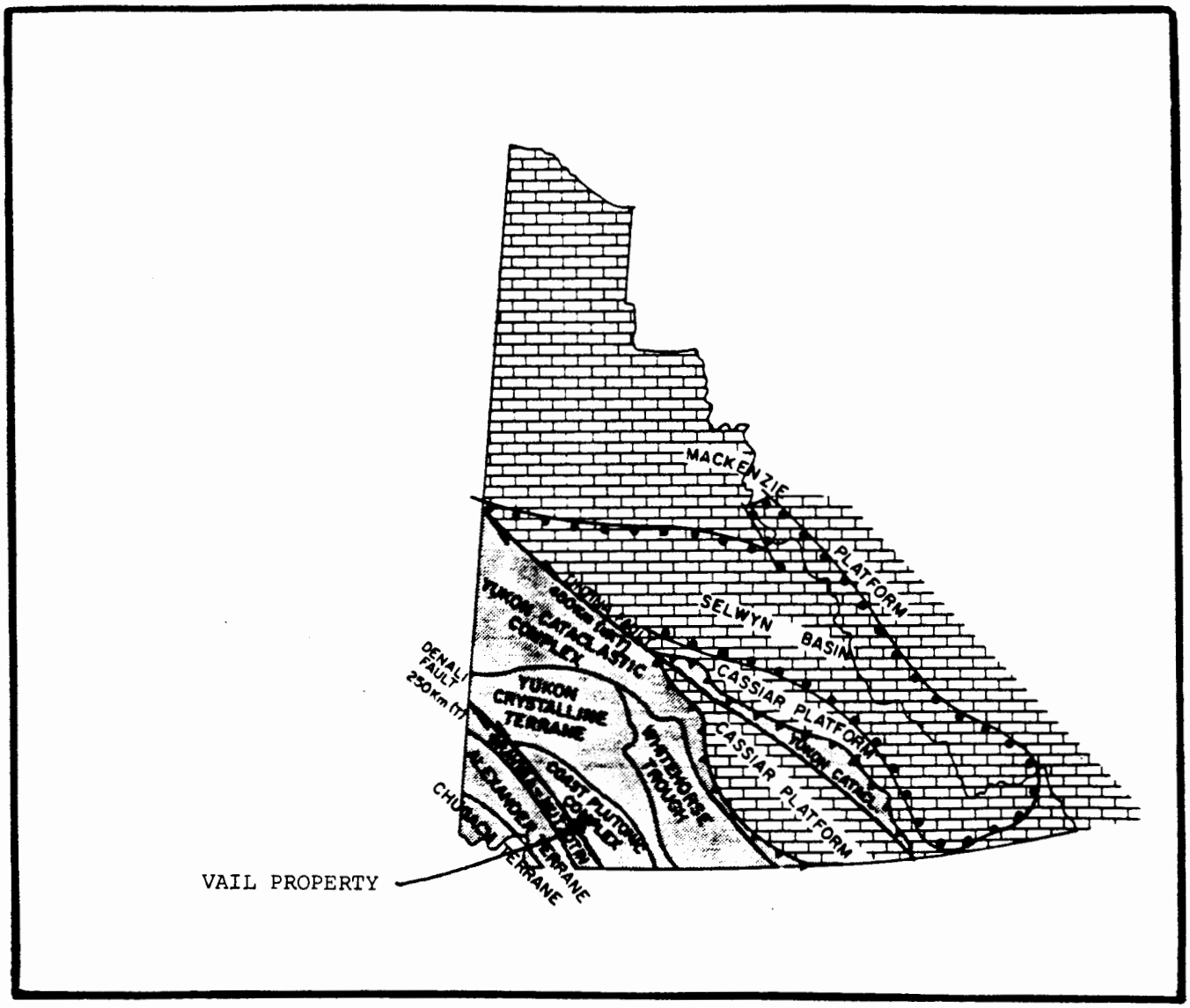


FIGURE 4: TECTONIC SETTING

(Templeman-Kluit, 1981)

found at Fig. 5.

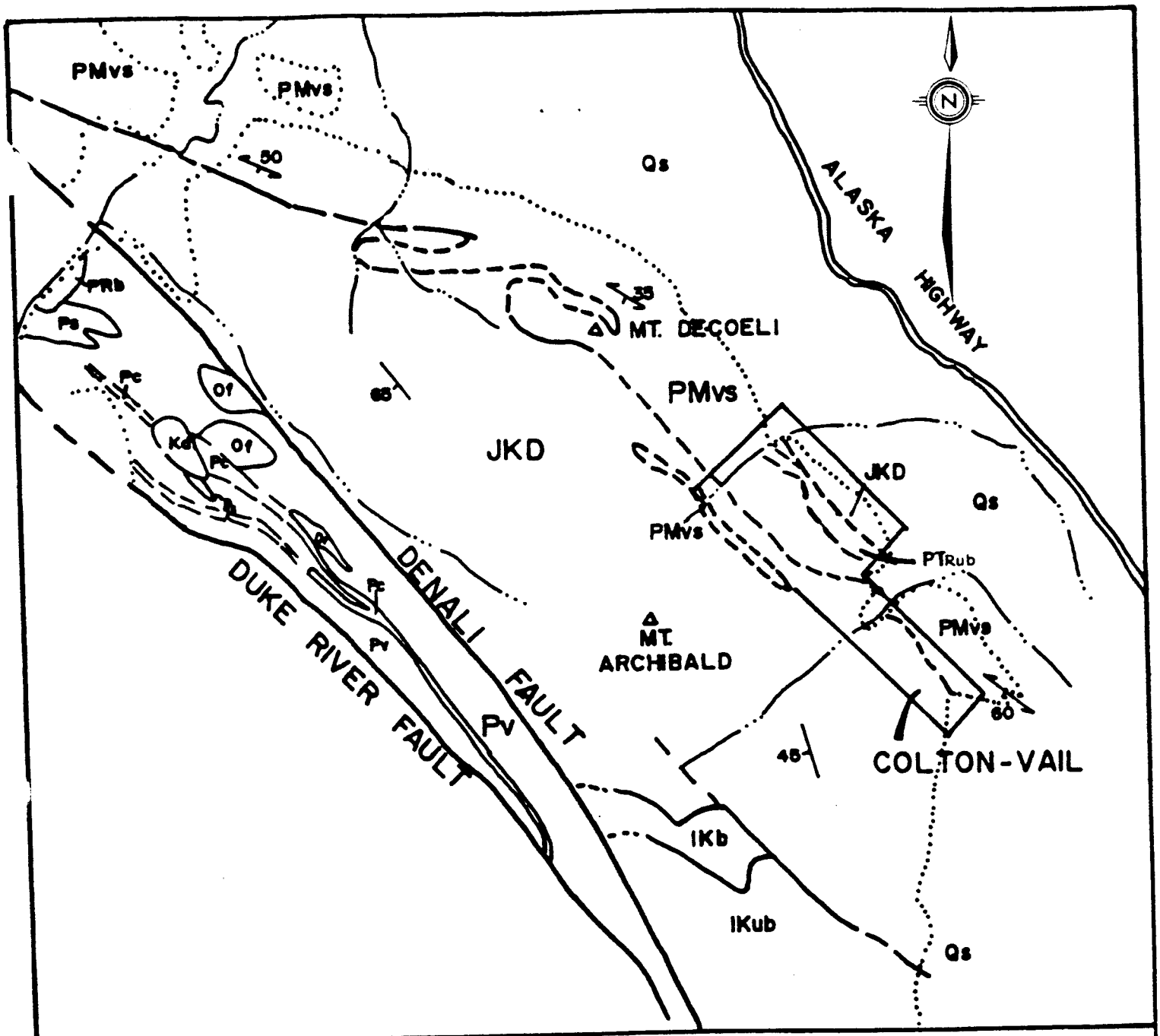
2-2: Regional Mineralization

This belt of rocks has been the focus of various exploration efforts. Placer claims have been worked for gold since 1903 in the Kluane Lake area and since 1896 in the Dezadeash area. Native copper nuggets have also been reported from these workings and were thought to be derived from the mafic volcanics of the Mush Lake group.

Regionally, copper mineralization has been found in Permian or older and Triassic volcanics while nickel-copper-platinum mineralization has been located at the contact between Permian stratified rocks and concordant basic to ultrabasic intrusives. The Wellgreen, Canalask and Linda properties, all located in the Kluane Ranges, southwest of the Shakwak Trench, contain Ni-Cu $\pm$ PGE mineralization in similar rocks to those outcropping on the Vail. The geological setting and mineralization of these deposits serve as a working model for the Vail.

They are summarized below:

- Known deposits are characterized by a serpentinized peridotite-dunite body intruding into a mesozoic sequence of volcanics, sediments $\pm$ pyroclastics. A border phase gabbro occurs either as part of a layered complex or as younger intrusion.
- Significant Cu-Ni mineralization is found in massive pods, in stringers and in heavily disseminated form.
- Mineralization is located in the gabbros, at the gabbro/country rock contact and in the country rock itself.



LEGEND

STRATIFIED ROCKS

QUATERNARY

Qs undivided surficial deposits

JURASSIC & CRETACEOUS

JKD Dezadeash Group greywacke, sandstone, siltstone, argillite, conglomerate

PALEOZOIC &/OR MESOZOIC

PMvs greenstone, greenschist, minor argillite and greywacke

CARBONIFEROUS TO PERMIAN

Skolai Group
Pc Hansen Creek Fmn. limestone
Pv Station Creek Fmn. volcanics

INTRUSIVE ROCKS

TERTIARY

Of felsite, qtz. latite porphyry

PERMIAN &/or TRIASSIC &/or ? CRETACEOUS

PTRub serpentinized peridotite

SYMBOLS

Geological boundary, defined, approx.

High angle fault, defined, approx.

Bedding, strike-dip

Foliation, cleavage, strike-dip

FIGURE 5: REGIONAL GEOLOGY

Scale 1:250,000

modified from GSC O.F. 830

Typical grades for Ni-Cu deposits associated with undifferentiated ultramafic bodies are 1-5% Ni and 0.1-1% Cu. Gabbroid associated Ni-Cu deposits are generally large and grade 0.6-1.6% Ni, 0.2-1.3% Cu and 1g/t combined P.G.E.. (Eckstrand, 1984).

2-3: Property Geology

Mapping and prospecting were plotted at a scale of 1:10,000. Ridges, creek beds as well as steep slopes were walked and due to the strong relief of the property, outcrops and samples were relatively precisely located on an enlarged topographic map. Some areas were not investigated due to very steep terrain. A table of formations is given in Table I.

The oldest rocks on the property are a thick sequence of Permo-Triassic or older mafic volcanics that are locally bleached and locally chloritized. They are relatively undeformed at the southern end of the property where pillow textures are still visible while schistose and sheared rocks as well as near-mylonitic textures are found at the north end of the property. Fuchsite alteration has been observed in a few instances. Epidote-quartz-carbonate veining and alteration are locally present and malachite staining is frequent. Sulphide bearing quartz veins are frequent. This unit locally contains white massive limestone beds.

A thick sequence of argillites ascribed to the Jurassic Dezadeash group overlie unconformably and flank the volcanics in a probable anticline. They are locally strongly oxidized,

sericitized and/or graphite rich, and are characterized by tight small scale folding with the fold axes plunging towards the south-east and a steeply dipping enveloping surface.

Interbedded volcanics and sediments outcrop in the core of the property, the age of these sediments is unclear but they probably are a part of the Permo-Triassic sequence.

A serpentinized peridotite body occurs at or near the northeastern volcanic/sediment contact. It is generally very dark, fine grained and massive, locally brecciated, and can contain some py, cp and po. It is further altered at its contact to antigorite and/or talc. Since this rock type alters and deforms easily, it is difficult to tell if the contact is an intrusive one or if it consist of an imbricated tectonic slice. Although regional G.S.C. mapping has locally interpetated the contact as a thrust, it has not identified any ultramafics in the area of the property.

Pyroxene gabbro occurs at the serpentinite/volcanic contact. The relatively sharp transition between the serpentinite and the gabbro suggest that the latter is not part of a layered gabbro/peridotite series but that it was intruded later. This rock type is often mineralized with pyrite and pyrrhotite and is locally bleached and cut by quartz-carbonate veining.

A recessive weathering orange fine grained carbonitized intrusive, of indetermined original composition, is often mineralized with pyrite and/or pyrrhotite and might mark the locus of small cross-faults.

The mid-southern end of the property is covered by thick glacial and lacustrine deposits.

Small scale faulting is probably quite common. Shearing is present and increases in intensity towards the northwest where the rocks are affected by the Denali Fault System.

TABLE I

TABLE OF FORMATIONS

QUATERNARY

Glacial and Lacustrine deposits

?

orange carbonitized intrusive

PERMIAN AND/OR TRIASSIC AND/OR CRETACEOUS

pyroxene gabbro

PERMIAN AND/OR TRIASSIC AND/OR CRETACEOUS

serpentinized peridotite

JURASSIC (CRETACEOUS)

argillites-Dezadeash Group

PERMO-TRIASSIC OR OLDER

mafic volcanics and intercalated sediments

CHAPTER THREE: GEOCHEMISTRY

3-1: Soil Sampling

Soil development is variable across the property. On the higher slopes, talus fines and poorly developed soils were sampled. Soils were developed in the mid-slopes and lower areas where the horizon below the locally thick humus layer was sampled.

The extensive glacial and lacustrine deposits in the southern part of the property basically masks the geochemical signature of the underlying bedrock. Dot plots showing the results for the most significant elements are found on Figs. 10 to 15. Analytical procedures are described in Appendix IV.

A statistical analysis of the soil results is found in Table II. Reduced gold values have been computed to be 14.1ppb (Table II). A compilation map (Fig. 16) summarizes the relevant information.

Gold values in soils have been contoured at >50ppb, >200ppb and >840ppb. Two main anomalies have been outlined. The largest one, corresponding to target area A on the compilation map, is south of and subparallel to the base line and overlies mafic volcanics with intercalated sediments. It contains two zones measuring 200m and 400m long grading >200ppb Au and up to 1270ppb Au. The other anomaly is located at the northeast corner of the property and corresponds to a folded body of serpentinized peridotite. One soil gave a values of 840ppb.

TABLE II

GRID SOIL STATISTICS

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

	Cu	Ni	As	Au	Hg
# Samples	812	812	812	812	812
High	3833	4401	4616	1270	2200
Low	3	19	2	1	5
Stnd Dev.	219.0	276.2	260.2	71.9	124.6
Distribution (# of values within)					
Avg. + 0-0.5 S.D.	471	740	755	774	746
0.5-1 S.D.	289	25	29	20	35
1-2 S.D.	40	22	12	5	16
2-3 S.D.	4	7	8	4	6
> 3 S.D.	8	18	8	9	9
Simple Avg.	186.7	136.2	86.8	20.7	68.8
Reduced Avg.	172.9	101.9	64.9	14.1	58.7

Other smaller scale and discontinuous gold anomalies occurring in all rock types are located throughout the northwest portion of the property.

Arsenic values >100ppm form a large anomaly over the gold anomalies with high As (>750ppm) corresponding to high Au (>200ppb).

Along with arsenic, cadmium is roughly correlatable with gold especially in the area south of the baseline. One highly anomalous zone, unrelated to gold values, located at the northern ends of line 134+00E and 136+00E remains unexplained.

Background levels for copper are high in these soils. The reduced average value is 172.9ppm. Contouring at values >500ppb outline a trend of linear anomalies, occurring intermittently over a distance of 1.6km. The most southerly one corresponds to a known copper showing located in the creek. Another anomaly of similar trend occurs near and subparallel to the baseline, overlaps the main gold anomaly and extends for 1.2km. The volcanic-sedimentary package has a distinctive Au-Cu signature. Contouring low threshold values would outline the distribution of these rocks.Other small discontinuous anomalies occur over the mafic and ultramafic rocks. The highest values consists of two consecutive soils grading >3000ppm Cu on line 122+00E. This anomaly is adjacent to gold and nickel soil anomalies and is probably related to the gabbro/serpentinite contact. Background levels for copper are generally lower in soils overlying gabbros than in those coincident with serpentinites.

Nickel values are high wherever the soil sampled was overlying the serpentinized peridotite unit. The reduced average value for the whole property is 101.9ppm. Nickel contents greater than 1500ppm are found along the baseline, near the contact between the serpentinite and the gabbro and/or the mafic volcanics. One highly anomalous sample located on line 118+00E gave a value of 4401ppm (0.44%). There has been some downslope movement which have offset the anomalies from their serpentinite source. Chromium values are not discussed since the analytical procedure involved only partial digestion of Cr.

Results from the soil sampling (see Compilation Map Fig. 16) outline several areas of interest, listed in order of greatest priority.

TARGET AREA A

An elongate gold anomaly (>50ppb), oriented at a slight angle from the assumed strike of the stratigraphy, measures 1.5km by an average of 200m. Within this anomaly two zones grade higher than 200ppb Au and one soil sample assayed 1270ppb. The northern end of this zone has not yet been thoroughly prospected. The northeast flank of this anomaly overlaps a 100m wide copper anomaly of approximately the same lengths as the gold one. This area also coincides with high Au and Cu values in rocks such as in sample R122002: 3.1g/t Au, Sample R84260 (from 1989 sampling): 1.47g/t Au and 2.3% Cu; and Sample R 121824: 2.03g/t Au and 1.5% Cu.

TARGET AREA B

This area defines coincident copper (0.3%), nickel and gold soil anomalies. This area corresponds to the zone of contact between gabbro, peridotite and mafic volcanics, where a 1989 rock sample (R84258) graded 0.13% Cu.

TARGET AREA C

This area is defined by a zone of high Ni values (between 500 and 2000ppm) overlapping a small area of anomalous gold in soils (>50ppb). This area coincides with zones of outcrops of mineralized gabbros containing anomalous (>100ppb) gold values.

TARGET AREA D

This area is centred on the high nickel value (4401ppm) in soils.

TARGET AREA E

This target cover a band of soils that contain >50ppb gold, in which two anomalous samples gave respectively 230ppb and 840ppb Au. A small copper anomaly is located between the two. This zone covers a folded band of serpentinite where three serpentinite float samples mineralized with pyrite and pyrrhotite gave nickel values between 0.15% and 0.18%.

CHAPTER FOUR: GEOPHYSICS

4-1: Regional Magnetics

The property corresponds to a northwesterly trending high magnetic anomaly that reaches up to 2500 gammas. (GSC paper 3291, Fig. 6).

The high mag is caused by the peridotite body and the mafic volcanic sequence. It's elongate shape corresponds to the regional structural trend.

4-1: Property Geophysics

The Noranda report on the mag survey executed by Amerok Geophysics is found in Appendix I. It outlined four magnetic domains separated by magnetic breaks trending 0 degrees, 90 degrees and 135 degrees. The peridotite and mafic volcanics generally show a high magnetic signature. Shearing and alteration on the edge and maybe within the peridotite probably results in a heterogeneous magnetic response and therefore the survey should be used with caution to map out the ultramafic body. Variations in overburden thickness might also affect the magnetic signature. Values for the serpentinite and mafic volcanics ranged between 750 and 2100 nT above the 57000 nT datum. A highly magnetic signature as obtained at the southwestern edge of the property and probably reflects a peridotite body. The magnetic configuration could locally indicate a structural complexity.

KLOO LAKE

YUKON TERRITORY

ISOMAGNETIC LINES (total field):

500 gammas . . . . . .
100 gammas . . . . . .
20 gammas . . . . . .
10 gammas . . . . . .
Magnetic depression . . . . . .

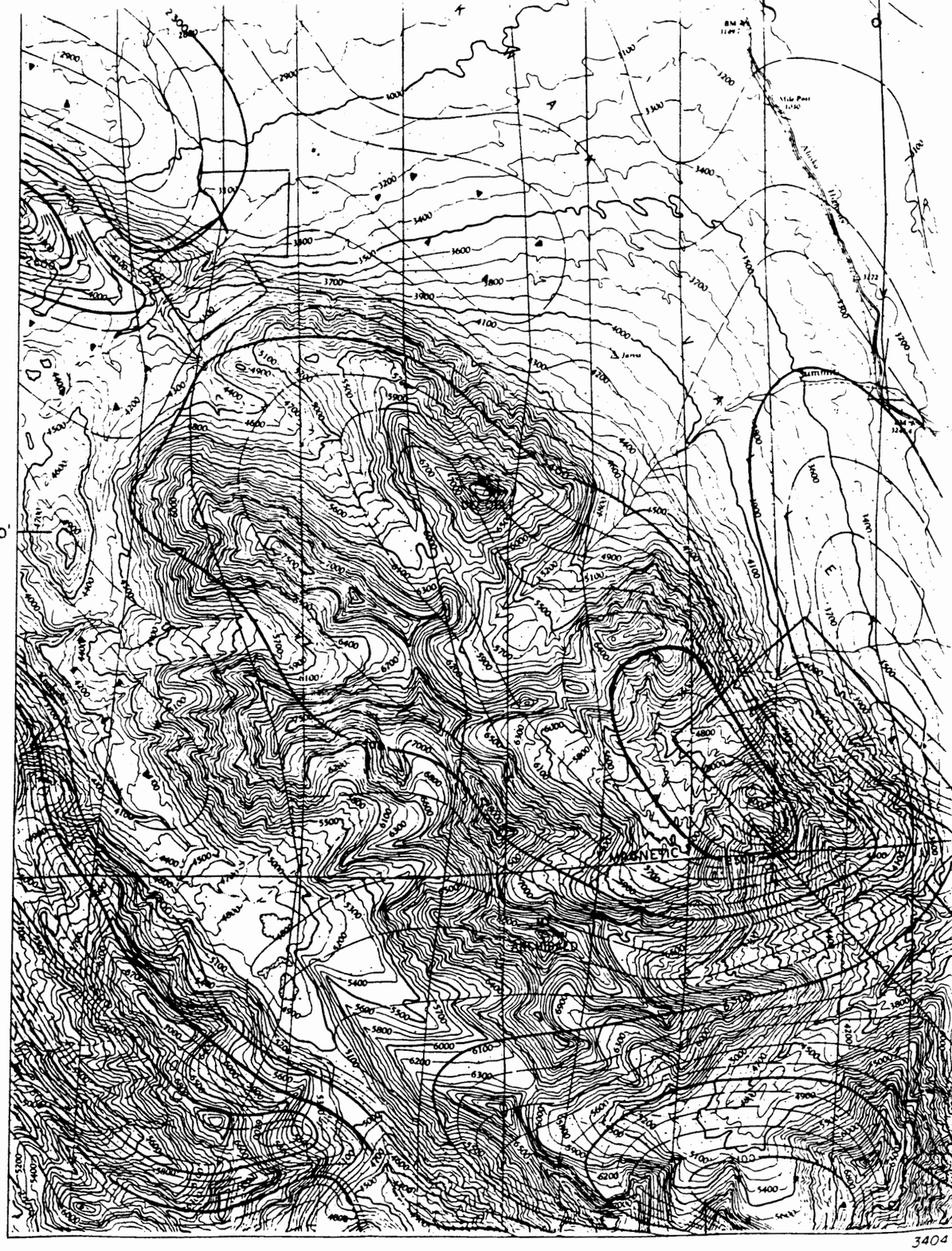
Flight lines . . . . . .

Flight altitude: nominally 1000 feet above ground level where terrain permitted.

Scale: One Inch to One Mile = $\frac{1}{63,360}$

Miles

1 ½ 0 1 2 3



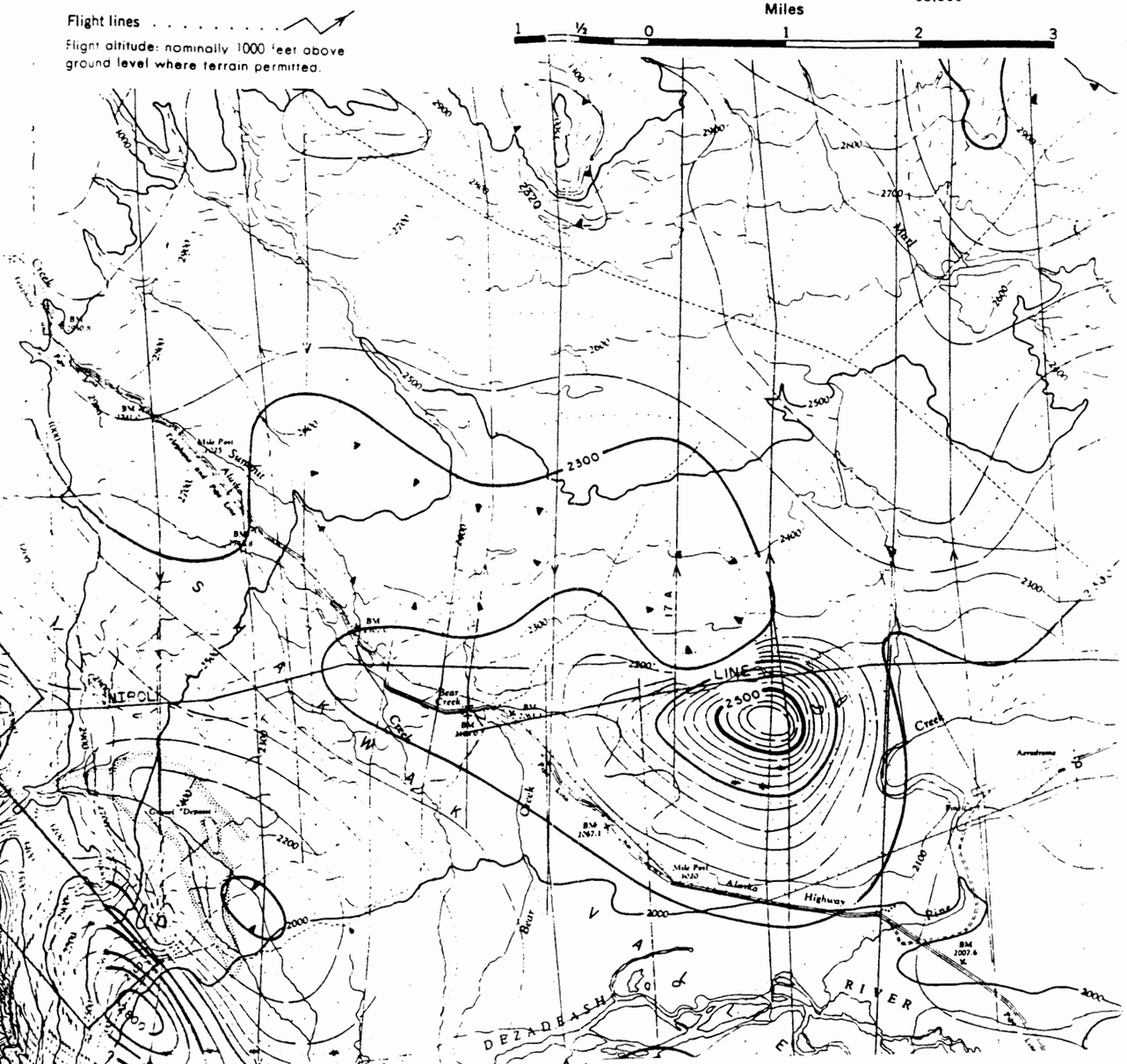


FIG. 6: AIRBORNE MAGNETIC SURVEY

(Geophysics paper 3291 GSC)

CHAPTER FIVE: MINERALIZATION

Two types of mineralization were the focus of the 1990 exploration program:

- Structurally controlled Au-Cu bearing veins
- Stratiform Cu-Ni-Au gold mineralization in ultramafic intrusives.

First, the copper-gold mineralization associated with quartz veins and shears in the mafic volcanic package is thought to be the most important target on the property.

Gold values in the 1-3 g/t range were obtained from three samples of vein material. The spectacular 1989 result of 19 g/t Au in quartz-sericite float has not been reproduced but points to the potential of this type of mineralization. All of the samples containing gold values greater than 1g/t and copper values greater than 0.1% occur in veins cutting the volcanic-sediment sequence near the gabbro and/or peridotite contact. Mineralization consists of pyrite, chalcopyrite and malachite. Other copper rich rocks occur throughout the volcanic package notably along a band of anomalous Cu rich soils. The main copper showing, a quartz vein containing 2-7% chalcopyrite, located in a stream bed, lies at the southern end of this anomaly. This vein, carrying copper values varying between 0.57% and 6.3% Cu, has been found to be discontinuous along strike. However, the persistence of the soil anomaly along strike points to potential recurrence of this or other copper-rich veins. Since the original showing consists of a large boulder that was found

upstream from the vein in outcrop, this could possibly indicate the existence of a series of veins.

The second type of mineralization that was targeted during this program was Cu-Ni occurrences associated with a body of serpentinized peridotite. Prospecting results were generally inconclusive. Almost all of the serpentinite samples gave nickel contents greater than 0.1%, the average value being 0.14%. A few values greater than 0.15% were obtained in serpentinites mineralized with pyrrhotite and chalcopyrite. None of these samples were accompanied by significant copper values. The 1989 sampling seemed to suggest a Cu-Ni zoning within the peridotite, with copper values along the northwestern contact and nickel copper values at the southeastern one. The soil sampling did not substantiate this hypothesis. Potential of this unit also seems quite low since the highest platinum values was of 61ppb and the highest palladium was 96ppb. These serpentinite bodies are not the best Pt-Pd targets as they are usually enriched in other PGE's with respect to Pt-Pd. However, since they do weather recessively, the sampling might not have been representative of this units potential.

A third rock type became the focus of exploration work as a result of the prospecting. The gabbros, represent an interesting target, both regionally and on the property. They are often mineralized with pyrite and/or pyrrhotite, are locally bleached, and cut by quartz-carbonate veining and contain anomalous gold values. They also weather recessively. One area of gabbro

outcrop corresponds to a gold and nickel geochemical anomaly. Unfortunately the gabbro unit is not very extensive on the property although further mapping as well as trenching of overburden covered areas might expose more of this rock type.

The numerous orange-weathering dykes cutting the stratigraphy could be related to these gabbros. Intense alteration most often obscures the original composition of these rocks and the mineralogy is then indistinguishable. It is possible that these dykes cover a range of composition and/or alteration. They weather recessively and often form areas of bright orange disintegrated rock. These rocks are also anomalous in gold, values typically being in the 100's of ppb range.

The potentially economic mineralization on the property consists therefore of structurally controlled Cu-Au bearing veins. The tectonic context of the property, in a corridor of deformation of a major strike slip and possibly compressional system, situates it in a favourable situation for fault or shear-zone related Cu-Au mineralization. Examples of such deposits, hosted in mafic volcanics, abound in the Archean but are starting to be recognized in younger Cordilleran terrains. (T. Bremnor, pers. comm.). For example, the Braelorne deposit, once the largest gold deposit in British Columbia, occurs in shear related quartz veins, within basaltic and sedimentary rocks. Major faults are marked by serpentine bodies that "may mark the sites of major shortening that were later focuses for major transcurrent movement" (C.H.L. Leitch, 1990). Veining is

associated with the shearing caused by such movement. This geological setting is similar to the one occurring on the Vail property.

CHAPTER SIX: CONCLUSIONS & RECOMMENDATIONS

The 1990 exploration program on the Vail property consisted of grid soil sampling, prospecting and reconnaissance mapping followed by a magnetometer survey.

Exploration was primarily aimed at two types of target:

-vein related Cu-Au

-magmatic Cu-Ni in peridotite.

The first target type shows the best potential and should be investigated further. Gold mineralization in the 1-3g/t Au range. (one sample grading 19g/t) was encountered in vein structures in the mafic volcanic unit. The mineralization consisted of chalcopyrite and pyrite in quartz or limonitic material. Target area A, outlined on the compilation map and described in the geochemistry section, consists of a 1.5km long Cu and Au soil anomaly with corresponding Cu and Au anomalies in rocks. Parts of this anomaly have not been investigated by prospecting and warrant further work.

The second target type proved disappointing. The moderate nickel grades obtained were not accompanied by the copper values that would have made this target viable. The peridotite unit consistently gave nickel values in excess of 0.1% but less than 0.2%. Rare sulphide mineralization corresponds to nickel values >0.15% and consists of disseminated chalcopyrite and pyrrhotite, generally associated with brecciated textures. Even though no gold values in this unit have been obtained from the prospecting a gold geochemical anomaly (>50ppb) overlaps the eastern most

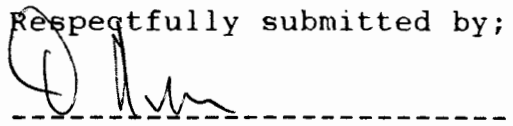
exposure of peridotite (Target Area E). One soil sample gave a value of more than 4000ppm, Ni which should be further investigated (Target Area D).

The gabbro unit was defined as a third target type. The gabbro and gabbro/peridotite contact are the site of Ni-Au (Target Area C) and Cu-Ni-Au (Target Area B) soil anomalies associated with sulphide mineralization. Further mapping and trenching work should focus on expanding the known gabbro occurrences as well as discovering the source of the anomalies. No significant PGE mineralization was uncovered in any of the targets.

All these targets should be investigated further by more prospecting and trenching. The overburden covered areas in the central and southern half of the property have potential for all the types of mineralization. An electromagnetic survey such as MaxMin or Genie or an IP Survey should be executed to outline hidden conductors that may reflect shear-related vein mineralization and/or gabbroid hosted Cu $\pm$ Ni $\pm$ Au mineralization. The property is located in a sensitive conservation area. It is adjacent to the Kluane National Park (a United Nations World Heritage Site) and a major tourist attraction and is located in the Kluane Game Reserve. Any physical work done on the property would be easily visible from

the highway, and even from Haines Junction. For these reasons, further work on the property should not be pursued.

Respectfully submitted by;



Danièle Héon
Geologist

SELECTED REFERENCES

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STATEMENT OF COSTS

Air Transportation		$ 1,590.00
Ground Transportation		1,000.00
Camp Support	60 pers/day @ $50/day	3,000.00
Freight		900.00
Analytical Costs	833 soils @ $10/sample	8,330.00
	141 rocks @ $15/sample	2,115.00
	44 PGE @ $10/sample	440.00
Personnel	60 pers/days @ $150/day	9,000.00
Drafting & Report Writing		2,000.00
	TOTAL	$28,375.00

STATEMENT OF QUALIFICATIONS

I, Daniele Heon, do hereby certify that

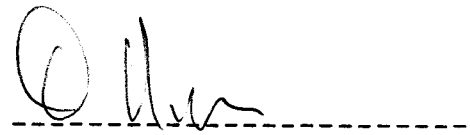
1) I am a geologist residing at 14 Renfrew Westmount, Quebec.

2) I am a graduate of McGill University with a Bachelor of Science in Geology.

3) I have been working as an exploration geologist since 1985 in the Abitibi, the Grenville and the Cordillera.

4) I have been employed by Noranda Exploration since May 1990.

5) I supervised and participated in the field work on the claims described in this report.



Danièle Héon
Geologist

APPENDIX I

MAGNETOMETER SURVEY REPORT

noranda

NORANDA EXPLORATION CO. LTD.

VANCOUVER, B.C.

MEMO TO: D. Heon **C.C.** L. Bradish, K. Galambos

FROM : T. Wong

SUBJECT: **VAIL MAGNETOMETER SURVEY**

DATE : November 22, 1990

During August, 1990, a Total Field Magnetics Survey was completed on the Vail Property. The purpose of the survey was to aid in mapping of the local geology as well as outlining potential areas of mineralization. A total of 36.7 Km. of line were surveyed.

The surveys were carried out by Amerok Geophysics of Whitehorse. Readings were taken at 12.5 m. intervals along survey lines utilizing an EDA Omni4 magnetometer system. The field readings were corrected for diurnal drift by the use of a recording magnetic base station. The EDA system records the Total Magnetic Field with an accuracy of within 1 nanoTesla.

A contour map of the total field magnetics as well as a profile map are presented at a scale of 1:10000.

DISCUSSION OF RESULTS

The contour map shows two arms of very high magnetic susceptibility unit (U.1) corresponding to mapped mafic volcanics at the western half of the grid in near vertical contact, indicated by the 250 nT contour, with rock units (sediments?) of much lower susceptibility (U.2). Two major breaks running parallel to the baseline as well as interpreted breaks at 90 degrees run through this area. A discontinuous unit (U.3) of moderate susceptibility appears at the extreme NW corner of the grid.

In the eastern half of the grid interpreted magnetic breaks trending 0, 90 and 135 degrees are shown. These breaks isolate a moderate susceptibility unit U.2 while defining the west and north edges of a magnetically high unit U.4. A sharp intense magnetic expression similar to those at the west half is found within U.4.

CONCLUSIONS

The magnetic survey has defined 4 units of differing magnetic

susceptibility crossed by intersecting magnetic breaks within the survey grid. The geophysical data and interpretation should be compiled with the geological information for a thorough assessment of the property.

APPENDIX II

ROCK DESCRIPTIONS

D.H. 1/13

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 115A-13

PROPERTY VAIL

DATE June '90

ROCK SAMPLE REPORT

PROJECT 346

MPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
121801	qtz-ca-S - malach-cp vein in greenschist. sample across 10cm true width	average 2-3% cp.	grab	10cm								DH ↓
21802	Same vein 1m up: 2 veins with separated by barren zone	average 1-2% cp.	chip	30cm								
21804	Breccia - angular clasts of shale containing tr py (po?). silica - car Sonate cement.		float									
21805	quartz - black chlorite, epidote veining in greenschist		float ↳									
21806	rusty weathering sheared serpentinite w up to 15-20% fuchsite, cut by qtz-carb veins. This sample w yellow bxed qtz-vein (2-3cm)		float proximal									
21807	Ibid. this sample charact. by sets of veinlets.		float composite									

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 115 A-13

PROPERTY UAIL

DATE June '90

ROCK SAMPLE REPORT

PROJECT 346

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
121808	Folded banded quartz vein (white, ochre + red qtz) in sheared serpentinite. Vein = sample = 10cm wide + wall rock.		float?									DH ↓
121809	Serpentine breccia (fault gouge?)		float									
121810	Serpentine breccia - angular to rounded fragments (mm → cm) w orangy cement (silicate + fe-oxs?)		subcrop.									
121811	Med. grained gabbro (amph-plag-biot) w tr py	py tr	float									
121812	Rusty, crumbling Rx in gabbro (altered gabbro or late-carbon. intrusion?).		crumbling o/c									
121813	in decomposing Rx, v.f.g. gabbro (dyke or sill or thin chill) w diss py (1%)	py 1%	crumbling o/c.									

G = GEOCHEM A = ASSAY

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NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 115A/13

PROPERTY VAIL

DATE June '90

ROCK SAMPLE REPORT

PROJECT 3416

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
121814	Bleached intrusive (gabbro?): narrow sossan in gabbro just below contact w serpentinite. py and/or po tr-2%, cp tr	py po tr-2%, cp tr.	o/c.									DH ↓
121815	rusty intrusive (gabbro?), carbonatized, heterogeneous in grain size + comp. diss py: tr	tr py	pseudo o/c									
121816	At base of f.g. serpentinite or dk-K greenstone: lensoid qtz-carb veining. Locally rusty. diss py <1% diss mt <1%		o/c									
121817	rusty oxidized quartz-carb veining in dk greenstone (or f.g. serpentinite) have malachite staining.		o/c									
121818	m.g. gabbro cut + bleached by qtz-carb mm. veining w 1-2% diss py+po. Sample is slightly high graded.		float									

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 115 A-13

PROPERTY VAIL

DATE June '90

ROCK SAMPLE REPORT

PROJECT 346

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
121819	m.g. Gabbro cut by qtz-carb veinlets - different sets (X-cutting relationships). Sample is thicker vein w rusty selvage + other little vein. (composite).		Grab									D.H. ↓
121820	Qtz-ank veins w stringers of py po (1-2%), cp. tr. Host is carbonatized orange intrusive.	py-po 1-2% cp tr	float downhill from o/c									
121821	Banded and brecciated or faulted qtz-carb veins in altered orange intrusive (gabbro?). tr sulphides	tr.	float just below o/c									
121822	Qtz-carb vein 10cm wide, traced for 4m. Loc rusty + loc vuggy (vugs ~~filled~~ lined w lim + sulph), containing diss + stringers of py + po Qtz loc. chalcedonic		grab									
121823	Host of 822 - altered orange carb intrusive. ~~Trace sulphides~~ X-cut by thin qtz veinlets, loc chalced.	~~tr.~~	grab									

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 115 A/13

PROPERTY UAIL

DATE June '90

ROCK SAMPLE REPORT

PROJECT 346

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
121824	zone of qtz injection in dk f.g. mafic volcanic. Malachite stainings. py 1-2%, cp 1-2%	py 1-2% cp 1-2% malach.	grab									D.H. ↓
121825	dk. f.g. mafic volcanic diss po tr.	po tr.	grab.									
121976 (Passed as 121875)	Qtz carb vein ~ diss po (2%) in shear. no witness sample.		grab.									
121977 (passed as 121876)	sediment? dk banded sheared R x ~ carbonate bands. diss py or po along bands <1%	py or po 1%	grab.									
121978	Stockwork in rusty orange horizon		grab									
121979	Intense malachite + azurite coating w qtz-carb veinings 5-8cm thick.		grab									
121980	silicified breccia, angular ~1cm Fx, slightly carb. no sulph.											

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 115A-13

PROPERTY VAIL

DATE June '90

ROCK SAMPLE REPORT

PROJECT 346

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
121981	qtz-carb injection in rusty chloritized mafic volcanic. py tr.	py tr.	grab									D. H. ↓
121982	Chloritized mafic volcanic w malachite staining + trpy	Py tr malach.	float									
121983	Schistose sericitized (sheared?) shale w variable sulphide staining.	staining	grab									
121984	Fault gouge: buff-grey red shale breccia w sharp contact. Limonitic cement. unit at least 5-6m thick.		grab.									
121985	Qtz-carb veining in argillaceous shale, tr py	trpy	float									
121986	Limey greywacke (in shales) w diss py cubes 1%	1%	grab									

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 115A-13

PROPERTY VAIL

DATE June '90

ROCK SAMPLE REPORT

PROJECT 346

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
121987	Limonitic Qtz vein (8-10cm) in fractured + folded sericitized shales. Sample = full width of vein.		grab									D. H. ↓
121988	Discordant qtz-Fe-carb vein and carbonatized + altered wall Rx. true width = 35cm. ↳ sericitized shale		chip gab									
121989	zone of qtz-carb injection in sericitized shales true width = 1.2m sulphides tr.	tr.	chip									
121990	siliceous banded horizon (silicified Rx or chert) in rusty black schist (sed). Near contact w mafic volcanic.											
121991	Qtz-carb veining in rusty shale, py tr	py tr.										

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 115 A-13

PROPERTY VAIL

DATE June '90

ROCK SAMPLE REPORT

PROJECT 346

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
121992	Boulder of rusty bleached carbonatized intrusive w diss po 2-3%		float									D.H. ↓
121993	Vuggy Qtz-limonite vein in rusty sericitized shales		float off o/c									
121994	decomposed talus or Rx. beige-light orange bleached intrusive → carbonatized. tr diss py or po.	tr py po.	float									
121995	~~Qtz~~ Qtz vein w coarse xtals ~~of~~ of qtz and carb. in folded shales		rush thin.									
121996	rusty serpentinite? Very altered w diss po <1%		float									
121997	Ibid except tr. sulphides	tr	float									
121998	rusty weathering serpentinite w/ po 1-2% diss + in little clots	po 1-2%	float									

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NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 115A-13

PROPERTY VAIL

DATE June '90

ROCK SAMPLE REPORT

PROJECT 346

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
121999	v.fg dk green-black Peridotite - ser. pentinite w clots of oxidized sulphides (1-2%)	1-2%	float downhill from o/c									DH
122000	partially serpentinized peridotite w tr po, near contact w sats		float									
122001	contorded pyritic shale (<1% py) near qtz injection	1/4%										
122002	Gossan in mafic volcanic. (Vq-ca-s?) not much visible .6m wide.		gos									
122003	in mafic volc. 40cm wide Pink f.g. carbonatized intrusive w 2% diss po.	po 2%	gos									
122004	in. maf. volc. thin gossan associated with qz vein containing tr. cp. selvage has 1% py. sample is vein + host.		gos									

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 115 A-13

PROPERTY NAIL

DATE June '90

ROCK SAMPLE REPORT

PROJECT 346

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
122005	banded, carbonatized + silicified Fx w diss py cubes 2-5% alt: qtz-carb veining + pervasive alt po. tr.	py 2-5% po tr.	float									D.H. ↓
122006	pale orange carbonatized porphyritic dyke. diss tr po	po tr	chip	2.5m								
122007	zone of rusty qtz injection in shales. network of mm-dom veins. sample: grey qtz w carb, orange qtz, sedimentary Fx and tr sulphides.	tr.	o/c grab?									
122008	Block of banded carbonate(cc)-qtz w po(py) diss + in stringers 1%	po(py) 1%	float									
122009	rusty qtz-carb-chl-sericite vein in shale. 50m from contact with mafic volc. sulph. tr	tr.	grab									
122010	injection of qtz-carb (chl) in greenstone. sulphide staining, mt <1%		float									

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 115 A-13

PROPERTY VAIL

DATE June '90

ROCK SAMPLE REPORT

PROJECT 346

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
R122011	rusty qtz-carb, in zone of intense injection + folding. At least 4 m wide in mafic volc.		grab.									D.H. ↓
R122012	rusty fault gouge (w carb, zeol, sulph?) in between grey + brown sericitized schist. Contact between mafic volc + shales. ≈ 10cm wide: sample = True width.		grab									
R122013	maf. volc. cut by qtz stockwork large breccia. Sample: 1in² pod of py in vg. No witness sample.		float near o/c									
R122014	Light green chloritized + sericitized schist w spotted fuchsite ± core of oxide or sulphide (1%)	1%.	float/ composite.									
R122016	Sub rounded brick-shaped block of mineralized gabbro, po-py 2%	po py 2%	float									

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 115 A/13

PROPERTY VAIL

DATE June '90

ROCK SAMPLE REPORT

PROJECT 346

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
122017	rusty orange banded chlorite schist. w qtz-carb veining diss cp tr, po or asp tr-1%	tr-1%	float									D.H. ↓
122018	banded dark green chloritic schist w disrupted mm-sized epidotized bands or lenses. Malachite staining. In area qtz-hematite veining		grab									
122019	DK green chloritic schist w malachite staining 1-2% in narrow schistose recess. weath. zone.		grab									
R122020	Zone of silicification, carbonitization, talc or soap in light green chl. schist. Buff colour, "woody" appearance.		float off o/c									
122021	zone of qtz. inj. in rusty shales		chip	2m								
022	" " " "		chip	2m								
023	" " " "		chip	2m								

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 115 A/13

PROPERTY VAIL

DATE June '90

ROCK SAMPLE REPORT

PROJECT 346

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
R122026	light green mafic volc w diss py & lgt qtz-carb veining. sulph 1-2%	1-2%	float off o/c									D.H. ↓
R122027	Vein of Fe carb. qtz ≈ 8 cm wide, // to little canyon											
R122028	rusty knoll of mafic volc w diss sulph. ≤ 1%. fragmental appearance.											
R122029	Little gossan in maf. volc on steep face. sporadic py zones 1% over one foot. No witness sample	1%										
R122030	orange f.g. schistose Rx. (?)											

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. _____

PROPERTY VAIL

DATE June 14/90

PROJECT 346

ROCK SAMPLE REPORT

AMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
24035	Red/Brown iron stained O.C. Carbonate rich rock with 1% fuchsite. <1mm wide carbonate veins dark and light grey in color throughout. Chip sample taken over 6 m. Contains 1% sulphides, probably py in blebs.	1%	Chip	6m								[illegible]
24036	Serpentinite w 20% finely disseminated magnetite, O.C in break in slope → Very fractured.		Grab									
24037	In same col as # 35 Coarsely xtaline calcite (30%) with radiating tremolite xtals (30%) and serpentine ~5% magnetite.		Float									

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. _____

PROPERTY VAIL

DATE June 14/90

PROJECT 346

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
240038	Rusty, bleached chlorite phyllite. Porous. Chip across 1.5m at top of ridge		Chip	1.5m								Bernotas W
240039	Rusty chloritic siliceous rock to 2% pyrite + calcopyr disseminated and in blebs. Subcrop chip sample across 3m	2%	Chip	3m								
240040	Siliceous chlorite phyllite(?) w malachite staining + black hematite @ 3%. Chip over 1 ft in O.C		Chip	½m								
240041	Grab of subcrop on ridge iron carbonate gossan		Grab									

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. _____

PROPERTY VAIL

DATE June 14/90

PROJECT 3416

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
24042	4m chip in iron carbonate gossan, Rare localized blebs of calco ± malachite and azurite staining		Chip	4m								[illegible]
24043	1 ft wide chip across siliceous, felsic intrusive (?) in chlorite phyllite O.C. ≤ 1% pyrite + arsenic (?) Very rusty weathered surface.	1%	Chip	1/3 m								
24044	chlorite phyllite ± 1% sulphides & sinusoidal qtz lenses to 10 cm thick O.C chip across 2m	1%	Chip	2m								
24045	Rusty coarse grained metamorphosed sst ± light & dark grains. 2m chip includes 6cm wide qtz vein											

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. _____

PROPERTY JAK

DATE June 14/90

PROJECT 3416

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
24046	Meta-sed → shales showing multi deformational patterns. Small qtz veins distorted throughout, cremulations, rare 1% pyrite	1%	Grab									[illegible]
wes 5/90												
24047	Chip sample across 3m face of cliff. Rusty seds with qtz veins cutting laminae. Veins vary from 1mm thick to 10cm, they pinch and swell and diverge to nothing in places. Good foliation developed		Chip	3m								
24048	Chip across 4m of shales with minor qtz veins. Stained yellow/green and white		chip	4m								
24049	Chip across 1.5m of green, soft, well foliated seds. White ppt on surface and ≈ 1% pyrite cubes	1%	chip	1.5m								

G GEOCHEM A ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. _____

PROPERTY VAK

DATE June 15/70

PROJECT 346

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
24050	Qtz vein with rusty staining - irregular ≈ 1ft wide		Grab									
218851	Rusty Qtz vein ± chlorite, graphite, and ≈ 1% pyrite in blebs along edge of vein in very contorted shales.		Grab									
218852	Black unfoliated sediment within well foliated shales ≈ 1% pyrite throughout		chip	½m								
218853	Chip across 4m shales ± 10's Qtz veins also with abt of white ppt on surface		Chip	4m								
218854	Chip across 6m of shales; Qtz veins. Qtz veins to 20cm diam ± pyrrhotite and pyrite in them. ≈ 50% Qtz 50% shales		Chip	6m								

G - GEOCHEM A - ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. _____

PROPERTY VAIL

DATE June 15/90

PROJECT 346

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
218655	1½ ft wide Qtz vein within interval of sample #121854 Very rusty & contorted; pinches and swells. Contains 5% pyrrhotite, 30% chlorite. Lots of vugs on weathered surface	<5%	Grab									
150?												
218666	Black shale o.c contains 1% qtz/calcite eyes on which is pyrite.		Grab									
		<1%										
121867	Grey siliceous rock w <1% sulphides, brecciated?											

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. _____

PROPERTY VAK

DATE June 16

PROJECT 346

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
121857	Dark green serpentinite with white & blue tinged weather surface. Magnetic O.C ≈ 2.0 m wide & cuts across gulley at same elevation		Grab									[illegible]
121858	~1m wide gossanous O.C very fractured. Brecciated black to grey/green siliceous rock w ≈ 1% pyrite in siliceous areas. (cement) slightly magnetic so pyrite may be pyrrhotite.	1%	GRAB									
21859	Very fractured gossanous O.C of seds with yellow and white staining on weather surface. Chip across 1m		Chip	1m								
21860	Small 1ft wide felsic intrusive dyke, within shale. Has white ppt on fractures and some malachite staining. Blue/grey fresh surface w ≈ 3% pyrite.	3%	Grab									

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. _____

PROPERTY VAIL

DATE June 16/90

PROJECT 3716

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
219861	Siliceous intrusive 20cm wide within black/green volcanic or sed (?!) malachite staining assoc with intrusive and also contains 1% pyrite	1%	Grab									Gerrat.K
219862	$FeCO_3$ o.c, Rusty weathering surface, white calcite & grey matrix on fresh surface. Rare pyrite blb	<1%	Grab									
219863	Green/grey o.c showing flow banding (?) chlorite rich with quartz and calcite veins running through it. Rusty stains & contorted veins		Grab									
219864	3 ft wide section of rusty and yellow stained well foliated rock. Grey fresh surface, very brittle.		Chip	1m								

G GEOCHEM A ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. _____

PROPERTY VAIL

DATE June 16/90

PROJECT 3416

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
218665	2m chip across well foliated brittle, very rusty phyllite(?) within green volcanic some areas bleached out white and others powdery and rusty.		Chip	2m								Geraint W
218666	2m chip across Qtz vein w ≈ 1% pyrite and some malachite staining ≈ 50 m long.	1%	chip	2m								
218668	2m chip across iron carbonate vein on Ridge Top above camp.		Chip	2m								

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10/17

NORANDA EXPLORATION COMPANY, LIMITED

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PROPERTY VAL

DATE June 17/90

PROJECT 346

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
21869	Green Volcanic, chloritized with 5% pyrite and calco. Malachite staining		FLOAT									Seraf.
21870	Epidotized & chloritized green volcanic malachite staining w = 6% pyrite & calco	6%	FLOAT									
21871	Rusty O.C Grab of grey, phyllitic rock. Deformed shales (?) Localized qtz veining. Slight crenulation developed as well		FRATS									
21872	4m chip across folded hwg shales with qtz veins to 10cm thick. Foliated & crenulated.		chip	4m								
21873	cooked seds on contact btw green volc & Shales.		Grab									

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NORANDA EXPLORATION COMPANY, LIMITED

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PROPERTY VAIL

DATE June 17/86

PROJECT 346

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
21874	large boulder next to mud flow in bottom of gulley Recrystallized sediment with rusty surface. Bands within are grey to black with thin white lenses of qtz. <1% sulphides on boundaries of layers	<1%	FLOAT									Secretan
21875	Granodorite float 2% pyrite	2%	FLOAT									
96216	Very rusty weather surface on bright green serpentinized volcanic rock. Contains 1→2% pyrite in discontinuous stringers	2%	FLOAT									
119627	Siliceous sed. within chloritized green volcanic. <1% pyr in cubes disseminated in sed. Rusty weathering, blue/grey fresh. Grab.	<1%	GRAB									

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. _____

PROPERTY VAIL

DATE June 17/90

PROJECT 346.

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
196258	2m chip across gossanous O.C. Phyllitic texture, grey/green in color, lots of rust and qtz veining. Qtz in boudins(?) up to 2% pyrite in places where qtz rich	2%	Chip	2m								Servat W
19629	3m wide Granodorite intrusive dyke with 3% pyrite cubes throughout. Chip sample Buff brown weathering with 'chicken pox' rust spots. Fresh surface white to light brown.	3%	Chip	3m								
119630	IRON CAP vein in cooked green volcanic rusty red weather surface, red/brown fresh		Grab									
119631	Rusty silicious Breccia. Dark to light grey fresh surface with Qtz frags. within green VOLC		Grab									

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. _____

PROPERTY Vail

DATE June 17/80

PROJECT 346

ROCK SAMPLE REPORT

MPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
9632	Granodiorite dyke. Same as other one.		Grab									[illegible]
9633	Brown weathering with ≈ 40% qtz veins showing from 1cm to 30 cm thickness. Dark grey fresh surface. Qtz has brecciated o.c thoroughly		Grab									

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17/11

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. _____

PROPERTY VAIL

DATE June 15/90

PROJECT 3416

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
19634	Dark green to black serpentinized rock with bright green serpentine on fractures. Brecciated zone with <1% sulphides some of which are magnetic → pyrrhotite? Brown to black weather surface and black with white qtz frags on fresh	<1%	Grab									Geologist
19635	Rusty recrystalized shales, slightly metamorphosed. Light to dark grey fresh surface with beds of light grey porous rock. Vugs may be from weathered out sulfides.		GRAB									
19636	Rusty shale at top of gulley.		GRAB									

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PROPERTY Vail

DATE June 18/80

PROJECT 5416

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
196637	Brown weathered serpentinized rock ~ <1% disseminated pyrite. Dark green to black fresh surface.	<1%	Grab									Garnet.G
196638	Float on S side of ck Bright green serpentinized boulder with 5% magnetite. Boulder has grey/white core		Float									
19639	Rusty shale O.C ~ qtz veins to 20% of O.C. Grab		GRAB									
19640	Brecciated rusty shale. Yellow & red staining Float		FLOAT									
19641	Serpentinite ~ magnetite on fracture surface. O.C. Grab		GRAB									
19642	Serpentinite breccia in contact ~ shales. Very rusty ~ white		GRAB									

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. _____

PROPERTY VAIL

DATE June 22/90

PROJECT 346

ROCK SAMPLE REPORT

MPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
119697	Qtz Float ≈ 3×3×2 ft. Blocky w lots of fractures and a pyrite vein 1cm diam cutting through it. High Grade Grab	<%	GRAB									[illegible]
9698	Blue clay with clasts of serpentine. Bedded, possible fault gauge but more likely attd. in place. Part of earth slump		GRAB									
9699	3 large serpentine boulders e base of earth slide. Serpentine w magnetite to 30%		FLOAT									
9700	Very gossanous O.C of fractured (brecciated?) qtz plus CO3. ≈ 2m wide within very rusty red boulder conglom. within black clay.		GRAB									

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NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. _____

PROPERTY Vaik

DATE June 22/90

PROJECT J 346

ROCK SAMPLE REPORT

MPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	G☐ A☐	SAMPLED BY
7404	4m chip across gossan		Chip	4m								Forrest W.
	-probably not true											
	thickness. Qtz Cpy.											

G GEOCHEM A ASSAY

APPENDIX III

ANALYTICAL RESULTS

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

GEOCHEMIC. ANALYSIS CERTIFICATE Vail (DH)

Noranda Exploration Co. Ltd. PROJECT 9007-006 File # 90-2133A Page 1

P.O. Box 2380, 1050 Davie St., 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	Pt** ppb	Pd** ppb	Rh** ppb	Hg ppb
R 119626	1	174	11	90	.3	65	38	542	7.63	18	5	ND	1	5	.2	2	2	148	.97	.055	2	99	3.25	23	.36	4	3.27	.01	.06	1	7	2	14	2	30
R 119629	1	10	24	65	.3	8	7	412	1.83	841	6	ND	1	98	.5	2	2	5	2.46	.062	4	4	.46	68	.01	2	.38	.03	.16	1	257	4	2	2	80
R 119632	1	9	17	38	.2	6	4	417	1.80	3625	6	ND	1	126	.6	2	2	2	2.92	.062	5	7	.47	86	.01	6	.27	.02	.15	1	418	12	6	2	120
R 119634	1	2	2	17	.1	999	41	567	3.36	5	5	ND	1	12	.2	2	2	14	.40	.009	2	332	21.32	20	.03	32	1.73	.06	.07	1	6	1	4	2	20
R 119637	1	6	9	25	.1	1930	89	425	4.68	4	5	ND	1	2	.2	2	2	9	.05	.007	2	796	24.92	6	.01	48	.34	.01	.01	1	1	2	5	2	30
R 119638	1	19	9	41	.1	84	54	992	5.14	2	5	ND	1	3	.2	2	2	223	.99	.030	2	30	13.10	2	.06	23	2.81	.01	.01	2	1	1	3	2	10
R 119641	1	5	8	28	.1	1055	53	520	3.50	4	5	ND	1	1	.2	2	2	37	.81	.006	2	709	16.69	3	.02	43	.98	.01	.01	1	7	45	96	4	10
R 119642	2	80	7	68	.1	58	5	144	5.41	25	5	ND	1	5	.2	2	2	48	.09	.078	2	198	1.98	26	.03	8	.75	.01	.03	1	5	4	5	2	10
R 119698	1	22	4	43	.1	1373	65	563	4.29	14	5	ND	1	72	.4	2	2	23	1.86	.035	2	823	21.39	18	.01	109	.74	.01	.01	1	3	1	3	2	150
R 119699	1	178	9	35	.2	565	55	610	5.37	2	5	ND	1	5	.2	2	3	76	1.15	.007	2	822	12.50	3	.06	43	1.28	.01	.01	1	22	61	48	3	10
R 121806	1	5	2	14	.1	1164	53	740	2.58	4	5	ND	1	87	.2	2	2	8	3.45	.005	2	383	21.07	9	.01	14	.04	.01	.01	1	19	1	2	2	40
R 121807	1	4	3	12	.1	1176	50	1093	2.63	7	5	ND	1	165	.2	2	2	17	4.03	.005	2	380	22.84	6	.01	16	.05	.01	.01	1	11	1	7	5	30
R 121808	1	2	8	9	.1	317	17	2381	1.97	3	8	ND	1	190	.2	2	2	4	15.78	.003	2	77	17.34	6	.01	4	.02	.01	.01	1	8	1	2	3	20
R 121809	1	11	2	22	.1	1605	72	699	4.11	4	5	ND	1	17	.2	2	2	7	.34	.007	2	313	27.15	13	.01	51	.15	.01	.01	1	1	5	4	2	20
R 121810	1	3	2	23	.1	947	44	545	2.64	2	5	ND	1	23	.2	2	2	7	1.21	.010	2	336	15.85	27	.02	37	.57	.01	.01	1	1	1	5	3	10
R 121811	1	13	7	47	.1	30	17	272	2.59	2	5	ND	1	127	.2	2	2	77	1.92	.119	7	38	1.50	318	.19	3	2.30	.19	.30	1	2	1	9	4	10
R 121812	1	41	39	86	.7	33	19	347	3.40	37	5	ND	1	172	.2	2	2	88	2.11	.103	8	41	1.62	344	.17	2	2.86	.24	.38	1	13	3	5	2	30
R 121813	4	107	9	72	.1	20	12	352	3.79	27	5	ND	4	24	.2	2	2	23	1.12	.122	25	11	.69	114	.20	3	1.07	.05	.26	1	10	1	2	2	20
R 121814	4	225	13	37	.1	8	10	194	3.78	13	5	ND	3	22	.2	2	2	28	.72	.114	16	8	.82	119	.06	2	1.13	.05	.09	1	1	1	3	2	10
R 121815	5	403	9	39	.7	6	5	232	4.68	145	5	ND	3	23	.2	2	2	38	.46	.137	20	5	.75	203	.16	2	1.22	.06	.20	1	93	1	2	2	30
R 121816	1	369	14	95	.4	61	33	548	5.78	74	5	ND	1	102	.2	2	2	151	3.95	.103	5	112	2.60	82	.12	6	3.67	.19	.21	3	15	6	26	2	10
R 121817	3	705	5	51	3.2	29	14	145	2.44	48	5	ND	1	88	.8	5	2	78	1.39	.065	2	50	.42	51	.22	7	1.05	.07	.03	3	16	6	12	2	60
R 121818	1	13	15	41	.3	75	33	464	3.94	150	7	ND	1	543	.2	6	2	18	6.08	.021	2	63	3.06	91	.01	6	6.70	.43	.15	1	191	1	2	2	50
R 121819	9	121	21	130	1.8	22	23	668	5.56	863	7	ND	1	99	1.5	5	2	25	5.67	.056	2	48	1.00	14	.02	10	.82	.02	.04	1	367	1	3	2	70
R 121820	7	130	38	2597	1.1	8	14	300	3.54	282	5	ND	1	67	108.0	6	90	15	3.46	.018	2	26	1.35	30	.01	2	.10	.01	.01	7	213	3	5	2	30
R 121821	2	46	7	51	.6	14	13	1181	4.53	97	5	ND	1	177	.2	2	2	36	10.78	.068	8	22	5.28	32	.01	9	.32	.01	.03	1	176	5	2	2	60
R 121823	1	36	2	79	.1	14	18	765	5.50	83	5	ND	1	131	.2	5	2	86	5.29	.136	12	132	3.01	35	.01	5	.52	.01	.04	1	7	1	2	2	250
R 121857	1	5	7	16	.1	1533	69	545	4.30	5	5	ND	1	11	.2	2	2	5	.77	.006	2	226	26.15	3	.01	106	.11	.01	.01	1	1	4	2	2	40
R 121860	1	346	5	52	.1	13	11	1223	5.93	3	8	ND	1	59	.2	2	2	21	13.79	.019	2	12	.86	24	.03	4	.48	.01	.01	38	3	4	8	4	20
R 121875	1	10	32	97	.3	16	7	380	1.69	660	5	ND	1	105	.6	2	2	2	2.26	.059	4	7	.54	63	.01	2	.29	.02	.17	1	478	1	6	2	110
R 121992	4	43	5	29	.1	7	12	358	3.39	2	5	ND	5	30	.2	2	2	19	.48	.069	12	8	.58	76	.11	2	.80	.05	.11	1	7	2	2	2	20
R 121994	2	122	10	8	.2	8	17	86	2.37	236	5	ND	2	89	.2	5	2	2	2.05	.044	6	6	.39	70	.01	2	.73	.03	.07	1	15	1	5	2	50
R 121996	1	26	4	10	.1	1366	79	607	3.64	99	5	ND	1	5	.2	2	2	10	.08	.006	2	503	14.46	17	.01	15	.38	.01	.01	1	4	4	2	2	20
R 121997	1	69	9	12	.1	1078	65	470	3.32	53	5	ND	1	3	.2	2	2	3	.05	.004	2	217	10.13	3	.01	7	.09	.01	.01	1	5	9	2	4	20
R 121998	1	86	5	12	.1	1566	89	684	6.28	4	5	ND	1	1	.2	2	2	3	.05	.006	2	264	22.91	2	.01	35	.12	.01	.01	1	10	7	2	2	30
R 121999	1	153	2	14	.1	1666	88	485	4.52	6	5	ND	1	2	.2	2	2	3	1.33	.006	2	204	23.98	1	.01	35	.08	.01	.01	1	1	2	2	2	20
STANDARD	18	58	38	131	7.5	72	31	1016	3.76	44	15	6	37	53	18.4	15	19	56	.49	.090	37	59	.87	181	.07	33	1.81	.06	.14	11	513	511	514	91	1600

Standard is STANDARD C/FA-R

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Rock AU** PT** PD** RH** BY FIRE ASSAY & ANALYSIS BY ICP/GRAPHITE FURNACE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUN 28 1990 DATE REPORT MAILED: July 7/90. SIGNED BY. C. Leong .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	Pt** ppb	Pd** ppb	Rh** ppb	Hg ppb
R 122000	1	13	2	22	.1	1816	72	420	3.43	10	5	ND	1	1	.2	2	2	2	.13	.008	2	220	17.08	1	.01	74	.04	.01	.01	1	1	1	6	2	30
R 122002	2	85	10	82	.4	22	3	101	3.52	201	5	5	1	5	2.3	4	2	51	.09	.016	2	27	.61	8	.03	3	.49	.03	.02	1	3147	1	7	3	80
R 122003	1	242	2	32	.1	21	10	293	3.15	2	5	ND	1	68	.4	6	2	45	1.90	.083	6	34	1.48	46	.04	2	1.38	.07	.07	1	6	1	2	2	20
R 122006	1	8	7	56	.1	7	4	352	1.85	109	5	ND	1	137	.2	3	2	3	1.85	.055	9	8	.33	106	.01	4	.30	.04	.14	1	16	1	3	2	80
R 122014	1	131	2	17	.1	103	12	274	1.68	2	5	ND	1	46	.2	4	2	28	2.32	.041	2	341	1.41	7	.25	2	1.27	.01	.04	1	1	1	6	2	20
R 122016	1	736	2	16	.4	14	20	183	5.05	2	5	ND	1	123	.5	2	2	39	1.39	.124	3	16	.63	15	.10	8	1.71	.23	.09	1	6	1	7	2	10
R 122020	1	8	2	6	.1	12	4	82	.73	2	5	ND	1	92	.2	2	2	4	1.51	.020	2	8	.22	19	.06	3	.38	.01	.07	1	1	1	2	2	20
R 124036	1	106	12	15	.1	726	29	442	2.74	4	5	ND	1	18	.2	4	2	4	1.89	.005	2	236	8.77	6	.01	14	.13	.01	.01	1	7	1	5	2	30
STANDARD C/FA-R	18	56	40	130	7.2	67	31	1018	3.86	37	17	7	36	51	18.6	15	19	56	.49	.095	37	58	.87	178	.08	34	1.81	.06	.14	12	493	474	507	93	1480

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
R 117404	1	269	2	417	.1	64	36	1026	9.42	22	5	ND	1	162	5.7	8	2	141	5.01	.059	5	23	3.01	101	.01	10	.60	.02	.07	1	2	580
R 119627	1	62	2	11	.2	2	3	1776	.73	65	5	ND	1	181	.6	6	3	10	34.57	.007	2	5	.50	8	.01	3	.09	.01	.02	1	11	50
R 119628	2	180	11	75	.1	63	34	728	9.36	153	5	ND	1	36	.3	5	2	117	2.69	.073	2	74	3.59	17	.40	2	3.50	.01	.10	1	5	50
R 119630	1	158	5	81	.1	61	26	799	6.09	62	5	ND	1	105	.7	7	2	66	5.02	.057	5	48	3.22	183	.01	6	.51	.01	.24	1	5	70
R 119631	1	46	5	38	.1	21	8	1883	2.94	1734	23	ND	1	205	.4	18	2	28	9.63	.030	2	21	3.94	170	.01	5	.24	.01	.09	1	3	460
R 119633	1	3	3	28	.1	6	3	4103	1.08	4	6	ND	1	191	.2	2	2	3	11.90	.033	7	4	5.06	171	.01	4	.04	.01	.01	1	1	40
R 119635	4	35	17	84	.2	24	4	215	3.26	27	5	ND	1	26	.9	2	2	28	.21	.061	10	20	.48	131	.01	4	.91	.01	.06	1	4	90
R 119636	5	26	3	85	.1	12	2	287	3.92	18	5	ND	2	39	.2	2	2	50	.35	.128	14	26	.89	191	.35	6	.99	.03	.05	1	2	80
R 119639	3	150	11	120	.1	17	10	615	5.67	11	5	ND	1	45	2.4	2	2	80	1.21	.116	10	27	1.51	117	.40	2	2.00	.01	.06	1	5	50
R 119640	3	59	11	69	.2	29	10	604	3.58	16	5	ND	1	172	.6	3	2	105	1.54	.070	5	57	1.88	56	.20	6	4.44	.48	1.11	1	4	20
R 119697	2	128	12	33	.3	31	27	225	4.60	261	5	ND	1	101	.7	4	2	7	1.20	.008	2	9	.46	20	.01	9	.09	.05	.01	1	42	80
R 119700	1	186	2	262	.1	89	39	929	8.58	26	5	ND	1	126	5.5	4	2	103	4.27	.082	6	55	2.78	172	.02	7	.64	.02	.05	1	1	100
R 121801	4	51162	2	3789	7.1	34	25	687	9.08	2	5	ND	1	17	31.2	2	2	67	.87	.021	2	53	1.74	15	.12	2	1.71	.01	.01	1	21	8900
R 121802	1	5739	10	416	.9	45	17	1136	4.28	15	5	ND	1	65	16.6	2	2	75	5.62	.024	2	84	2.11	15	.11	4	1.82	.01	.01	1	9	140
R 121804	1	388	2	52	.1	47	17	308	2.81	10	5	ND	1	21	.3	2	2	90	2.29	.112	5	68	1.06	46	.24	4	2.00	.27	.10	2	3	40
R 121805	1	401	2	60	.1	78	21	656	5.55	2	5	ND	1	33	.2	2	2	119	2.44	.022	2	64	1.25	18	.96	3	1.32	.02	.04	1	13	30
R 121822	5	96	9	204	.7	11	8	378	2.50	251	5	ND	1	58	8.3	4	20	19	2.76	.036	4	33	1.19	20	.01	9	.15	.01	.03	1	65	30
R 121824	4	15518	10	469	23.4	21	22	1231	4.67	117	5	ND	1	52	7.7	11	2	276	8.16	.020	2	28	.64	113	.03	36	.54	.01	.02	1	2030	10
R 121825	1	39	6	102	.1	25	29	644	7.23	19	5	ND	1	10	.6	2	2	224	1.07	.169	9	51	4.85	254	.12	3	4.22	.06	.77	1	7	30
R 121851	3	119	2	111	.1	29	11	1210	3.36	5	5	ND	1	394	.5	2	2	20	3.64	.084	15	24	.71	87	.29	5	.96	.02	.06	1	9	20
R 121852	1	16	2	47	.2	17	5	3383	1.53	5	5	ND	1	1883	.5	2	2	19	33.04	.071	2	7	.40	26	.06	3	.38	.01	.01	1	3	30
R 121853	8	40	8	64	.1	18	5	259	5.90	13	5	ND	2	56	.5	2	2	27	.66	.112	15	19	.49	85	.32	6	.63	.02	.08	2	5	60
R 121854	13	46	4	126	.1	34	14	861	3.97	5	5	ND	1	205	.5	2	2	26	1.60	.112	15	32	1.05	93	.38	5	1.41	.02	.09	2	1	30
R 121855	2	24	9	74	.1	22	7	1780	1.73	2	6	ND	1	1256	.2	2	2	9	8.04	.034	3	11	.44	35	.06	3	.59	.01	.03	1	2	20
R 121856	7	58	10	114	.2	41	5	147	5.78	28	5	ND	1	33	.5	2	2	65	.41	.099	7	15	.32	171	.44	6	.72	.02	.07	1	2	120
R 121858	2	222	3	60	.1	66	25	284	3.97	10	5	ND	1	23	.3	3	2	118	1.85	.107	4	88	2.32	68	.23	8	2.81	.25	.16	2	4	10
R 121859	6	706	2	61	1.8	14	7	208	15.10	378	5	ND	1	10	.2	2	2	101	1.19	.060	2	45	.92	45	.19	2	.98	.10	.07	1	11	50
R 121861	1	5205	3	6	1.5	16	6	237	4.11	7	5	ND	1	46	1.3	2	2	121	3.35	.033	2	39	.50	13	.24	8	1.11	.08	.03	1	91	40
R 121862	1	156	2	74	.1	45	20	1105	6.37	169	5	ND	1	147	.5	5	2	101	8.80	.056	5	52	3.47	388	.01	4	.34	.02	.02	1	10	150
R 121863	1	151	8	52	.1	43	20	612	5.17	10	5	ND	1	162	.2	5	2	89	8.46	.047	2	87	2.50	63	.30	4	2.79	.01	.05	1	1	30
R 121864	2	60	14	95	.2	44	50	712	7.65	54	5	ND	1	114	.7	5	2	53	14.66	.414	7	74	.53	67	.06	2	.94	.01	.22	1	5	50
R 121865	2	126	2	98	.2	59	28	980	9.46	29	5	ND	1	103	.6	6	2	102	6.36	.059	2	94	2.31	49	.38	2	2.37	.01	.08	1	9	120
R 121866	1	305	9	74	.4	7	1	645	.43	36	6	ND	1	69	2.7	54	2	1	8.88	.001	2	6	.03	7	.01	6	.02	.01	.01	1	9	260
R 121867	3	26	12	35	.2	21	10	1178	1.36	10	5	ND	1	18	.2	2	2	33	1.92	.020	2	15	.39	32	.07	5	1.88	.02	.03	2	12	30
R 121868	1	46	5	31	.1	16	7	612	3.06	32	5	ND	1	140	.2	17	2	65	7.77	.011	2	27	3.63	18	.01	2	.11	.01	.01	1	3	160
R 121869	1	3841	2	139	.6	71	40	1035	8.98	2	5	ND	1	15	.5	5	2	143	1.13	.065	2	149	3.94	7	.42	2	3.95	.01	.01	1	12	70
R 121870	1	10093	7	47	4.8	45	17	411	3.55	9	5	ND	1	61	1.3	2	2	76	1.20	.047	2	99	1.65	98	.39	10	1.92	.02	.01	1	177	60
STANDARD C/AU-R	17	58	42	130	7.3	69	31	1024	3.71	43	19	6	37	52	18.4	15	19	56	.50	.094	38	58	.89	178	.08	36	1.88	.06	.14	11	480	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
R 121871	4	38	7	95	.8	22	2	165	2.11	14	5	ND	1	17	.2	2	2	25	.11	.029	7	21	.59	189	.01	6	.66	.02	.05	1	9	80
R 121872	13	86	6	766	.4	32	7	619	2.73	18	5	ND	1	164	15.9	2	2	29	3.90	.043	7	15	.36	59	.01	9	.42	.01	.04	1	2	90
R 121873	1	135	2	72	.2	47	22	967	5.54	68	5	ND	1	149	.5	4	2	83	8.69	.053	4	44	3.16	50	.01	2	.40	.01	.04	1	5	40
R 121874	1	14	2	11	.1	5	2	655	.72	10	5	ND	1	284	.3	2	2	3	39.21	.030	2	5	.31	6	.01	2	.17	.01	.02	1	2	30
R 121976	1	165	11	157	.2	91	28	859	5.46	447	6	ND	1	88	2.8	7	18	111	6.68	.047	2	108	3.48	37	.06	2	2.78	.07	.23	1	16	10
R 121977	4	71	8	107	.1	29	6	863	2.35	20	8	ND	1	114	.9	2	2	68	16.86	.153	3	40	.58	14	.07	2	.84	.08	.12	1	1	60
R 121978	1	208	2	82	.1	49	22	1083	8.27	693	5	ND	1	97	.2	15	2	135	5.34	.068	6	68	3.50	59	.01	5	.51	.01	.02	1	1	180
R 121979	1	12071	18	788	16.6	50	64	2017	5.89	1181	7	ND	1	118	9.8	91	2	25	9.97	.013	2	26	3.37	27	.01	2	.33	.01	.06	1	560	1200
R 121980	1	252	6	50	.6	13	9	884	5.52	229	5	ND	1	156	.8	41	2	53	7.57	.041	4	21	3.53	632	.01	2	.29	.01	.02	1	15	360
R 121981	1	2002	5	134	1.8	31	17	607	4.55	113	5	ND	1	35	1.6	15	2	82	2.96	.030	3	84	1.36	33	.25	2	1.49	.03	.02	1	38	180
R 121982	1	2594	7	106	.7	51	36	995	7.40	14	5	ND	1	34	.8	4	2	123	1.65	.047	2	137	3.13	56	.37	2	3.46	.01	.01	1	8	80
R 121983	6	121	2	204	.7	25	6	114	4.34	24	5	ND	1	19	.8	3	2	21	.02	.023	3	11	.02	250	.01	8	.19	.01	.06	1	1	100
R 121984	22	96	5	75	.2	9	4	148	16.07	100	5	ND	1	74	.5	2	5	80	.05	.358	5	34	.35	88	.05	2	.63	.03	.10	1	5	80
R 121985	3	17	2	52	.1	18	7	1108	2.29	8	5	ND	1	206	.2	2	2	15	1.19	.022	3	17	.54	34	.09	2	1.58	.01	.02	2	1	30
R 121986	2	8	9	100	.1	21	3	315	2.82	7	5	ND	1	11	.2	2	2	70	.21	.029	3	71	2.44	52	.01	2	2.18	.03	.02	1	1	50
R 121987	12	100	8	87	.1	20	3	79	3.80	19	5	ND	1	6	.4	2	2	32	.09	.052	3	11	.10	134	.01	2	.25	.01	.03	1	1	10
R 121988	1	101	2	99	.3	62	28	1827	7.75	64	5	ND	1	111	.2	4	2	126	7.92	.080	5	101	1.79	107	.01	4	1.46	.02	.02	1	9	20
R 121989	1	84	16	87	.5	36	14	1291	4.08	15	5	ND	1	123	.2	2	2	49	3.19	.061	7	30	1.27	78	.17	2	2.46	.01	.11	1	17	20
R 121990	2	49	14	142	.1	64	18	528	1.79	3	5	ND	1	7	.4	2	2	11	.21	.027	12	16	.43	88	.01	8	.62	.01	.06	1	4	5
R 121991	2	39	8	91	.2	24	6	295	2.64	6	5	ND	1	19	.2	2	2	19	.99	.275	10	14	.54	295	.21	4	.91	.01	.19	1	1	30
R 121993	4	20	2	27	.1	17	7	680	.79	2	5	ND	1	107	.2	2	2	4	.97	.018	2	8	.05	41	.02	2	.14	.01	.01	2	2	5
R 121995	2	8	3	26	.1	9	1	1051	.64	2	5	ND	1	544	.8	2	2	2	4.81	.068	2	6	.10	28	.01	2	.15	.01	.02	1	1	10
R 122001	4	44	4	157	.1	47	10	372	3.76	9	5	ND	3	11	.4	2	2	42	.23	.046	10	22	.84	115	.13	2	1.47	.02	.05	1	1	110
R 122004	1	359	2	84	.3	49	30	1211	6.51	30	5	ND	1	67	.3	5	3	152	6.29	.047	2	99	2.95	36	.25	2	2.66	.02	.02	1	12	20
R 122005	1	31	6	15	.1	10	9	2748	2.87	60	5	ND	1	148	.2	2	2	25	24.10	.031	3	29	.33	60	.01	5	.26	.01	.02	1	1	30
R 122007	3	25	5	12	.1	13	3	85	.91	29	5	ND	1	8	.3	2	2	13	.14	.016	4	14	.07	8	.01	9	.18	.05	.01	1	5	30
R 122008	1	73	47	8	.2	3	1	1239	.31	12	5	ND	1	215	.2	18	2	1	25.29	.001	2	3	.01	6	.01	7	.01	.01	.01	1	2	110
R 122009	3	35	10	46	.1	17	8	585	1.80	9	5	ND	1	91	.2	2	2	21	3.50	.020	2	16	.46	12	.09	5	2.12	.01	.02	1	1	30
R 122010	1	713	91	34	.5	282	172	359	11.06	6	5	ND	1	20	.2	4	2	72	1.86	.031	2	100	1.44	6	.24	2	1.36	.02	.01	1	2	40
R 122011	3	34	18	40	.1	57	15	453	1.80	4	5	ND	1	20	.2	2	2	18	1.22	.013	7	25	.76	24	.06	2	.79	.01	.03	2	1	20
R 122012	7	39	8	63	.3	169	100	722	13.07	98	5	ND	1	89	.2	12	2	10	8.72	.080	3	24	.31	23	.01	2	.41	.01	.10	1	10	300
R 122013	2	167	18	91	.2	135	75	913	7.67	255	5	ND	1	38	.2	5	2	106	2.84	.042	2	83	2.65	24	.01	2	2.32	.02	.04	1	29	50
R 122015	1	69	5	6	.1	16	4	447	.70	2	5	ND	1	38	.2	2	2	8	8.60	.012	2	31	.70	35	.04	2	.26	.02	.01	1	8	20
R 122017	1	307	3	105	.1	50	30	974	8.58	2	5	ND	1	55	.2	6	2	145	4.27	.091	9	54	3.50	61	.01	2	1.45	.02	.03	1	3	40
R 122018	1	895	3	147	.3	127	36	880	11.56	2	5	ND	1	17	.2	7	2	159	1.76	.032	2	68	2.81	6	1.13	2	3.12	.01	.03	1	38	20
STANDARD C/AU-R	17	58	42	133	7.2	69	31	1027	3.68	39	16	7	37	52	18.7	15	19	56	.54	.095	37	59	.91	179	.08	35	1.87	.06	.14	11	450	1300

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
R 122019	1	1311	4	113	.5	155	38	828	8.07	2	5	ND	1	114	.4	19	2	131	2.64	.021	2	79	2.32	11	.99	8	2.59	.01	.01	1	46	90
R 122021	2	72	5	132	.1	176	14	719	4.23	9	5	ND	1	30	.3	11	3	45	.32	.088	8	137	3.95	87	.11	2	3.03	.01	.06	1	4	20
R 122022	3	58	8	82	.1	20	4	440	3.99	5	5	ND	2	64	.5	5	4	20	.33	.101	8	18	.63	190	.16	4	1.14	.02	.11	1	1	50
R 122023	3	40	9	72	.1	20	5	287	2.16	2	5	ND	1	39	.6	4	2	14	.18	.047	5	12	.35	101	.12	7	.63	.02	.06	1	1	40
R 122024	1	87	4	29	.2	65	16	289	2.34	2	5	ND	1	27	.2	6	2	56	1.54	.164	2	200	.95	16	.54	2	1.37	.01	.01	1	6	20
R 122026	1	114	6	59	.1	94	26	533	5.00	2	5	ND	1	16	.6	6	2	90	1.02	.071	2	189	1.70	13	.26	2	2.16	.02	.01	1	1	30
R 122027	1	12	2	41	.1	67	16	1293	3.71	3	6	ND	1	129	.5	2	2	54	16.60	.014	2	36	5.86	9	.01	3	.24	.01	.01	1	1	310
R 122028	1	109	2	41	.1	117	32	454	3.79	5	5	ND	1	13	.2	5	2	62	1.42	.053	2	256	1.58	12	.33	2	1.85	.01	.03	1	16	10
R 122029	1	142	7	107	.3	118	40	960	8.44	8	5	ND	1	19	.3	13	2	105	2.17	.092	2	199	3.41	12	.38	4	3.09	.01	.02	1	1	40
R 122030	1	87	6	78	.2	91	30	971	8.50	11	5	ND	1	69	.6	15	2	130	4.65	.066	2	86	1.74	24	.01	8	.72	.01	.08	1	1	1400
R 124035	1	4	2	8	.1	901	48	561	2.95	29	5	ND	1	3	.4	2	3	6	.07	.006	2	536	18.51	11	.01	15	.10	.01	.01	1	134	90
R 124037	1	1	2	3	.1	405	31	3073	5.45	4	5	ND	1	54	.4	2	3	8	5.24	.013	2	173	17.48	3	.01	7	.21	.01	.01	1	3	10
R 124038	1	196	12	60	.4	32	28	941	7.18	4	5	ND	1	8	1.0	10	2	183	1.78	.060	4	45	1.42	11	.47	4	1.65	.02	.01	1	111	20
R 124039	1	380	5	31	.1	45	32	413	4.33	7	5	ND	1	28	.3	9	2	79	1.05	.067	2	64	1.40	7	.30	7	1.85	.06	.01	1	15	10
R 124040	1	1356	4	38	.2	44	30	556	4.00	5	5	ND	1	21	.5	10	2	86	1.46	.068	2	116	1.56	13	.37	8	1.92	.06	.01	1	1	40
R 124041	1	80	2	71	.1	44	26	1034	7.79	76	5	ND	1	134	.2	19	3	97	8.23	.040	4	47	3.29	35	.01	19	.36	.02	.10	1	1	780
R 124042	1	322	3	76	.2	37	20	1100	6.67	209	5	ND	1	133	.8	53	2	88	9.32	.044	4	60	3.15	61	.01	6	.32	.02	.03	1	2	960
R 124043	1	189	5	67	.2	63	29	554	6.26	7	5	ND	1	46	.5	12	2	133	2.64	.050	2	83	2.73	42	.43	6	3.17	.09	.09	1	1	40
R 124044	1	119	3	50	.2	43	20	1101	4.47	22	7	ND	1	325	.8	12	2	71	13.73	.086	4	75	1.83	91	.13	2	1.81	.01	.10	1	1	50
R 124045	3	24	6	129	.3	14	6	775	6.72	17	5	ND	1	183	.7	11	2	86	1.86	.177	10	36	1.75	80	.44	6	2.21	.01	.04	1	1	70
R 124046	3	46	5	107	.1	22	7	362	3.65	10	5	ND	2	11	.6	2	2	15	.31	.037	8	13	.69	164	.13	5	1.21	.01	.13	1	1	30
R 124047	4	86	7	143	.2	25	8	543	5.65	22	5	ND	2	149	.4	6	2	49	1.54	.132	8	28	1.17	130	.19	5	1.82	.02	.10	1	1	120
R 124048	8	46	10	95	.4	69	6	208	6.22	39	5	ND	1	40	.8	5	2	57	.45	.115	8	49	.91	96	.30	7	.66	.03	.07	1	1	160
R 124049	1	65	6	168	.3	30	27	1209	10.09	18	5	ND	1	189	.5	14	2	113	2.47	.289	6	55	3.09	88	.23	8	3.91	.01	.06	1	1	60
R 124050	3	35	3	105	.1	46	13	980	3.00	2	5	ND	1	265	1.0	2	3	26	3.13	.051	3	17	.63	56	.23	9	.87	.02	.03	1	1	20
STANDARD C/AU-R	18	57	38	125	7.2	67	31	951	3.67	43	17	6	36	50	18.2	15	19	56	.48	.092	37	55	.85	175	.08	34	1.79	.06	.14	11	460	1200

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9007-006 File # 90-2133 Page 1

P.O. Box 2380, 1050 Davie St., 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
L108+00E 108+00N	2	119	12	114	.1	89	24	891	5.02	47	5	ND	1	32	.9	2	2	84	.68	.095	8	125	1.87	222	.09	2	2.62	.02	.04	1	12	80
L108+00E 107+50N	1	153	4	92	.1	69	17	542	4.08	36	5	ND	1	49	.2	2	2	70	1.37	.100	9	92	1.46	224	.07	3	2.16	.02	.03	1	5	70
L108+00E 107+00N	1	248	2	116	.2	85	24	717	5.13	29	5	ND	1	34	1.2	2	2	88	1.07	.057	8	144	2.05	167	.14	5	2.85	.02	.06	1	10	110
L108+00E 106+50N	1	306	13	129	.1	98	23	742	5.33	18	5	ND	1	31	1.0	2	2	91	1.17	.060	8	162	2.14	159	.17	2	2.80	.01	.06	1	12	190
L108+00E 106+00N	1	330	10	117	.1	83	26	784	5.71	32	5	ND	1	28	1.8	2	2	96	.96	.065	8	144	2.10	153	.17	5	2.73	.01	.07	1	14	170
L108+00E 105+50N	1	316	2	126	.1	80	21	770	5.52	36	5	ND	1	27	1.8	2	4	91	.75	.072	11	112	1.98	138	.14	4	2.80	.01	.08	1	12	320
L108+00E 105+00N	1	192	11	98	.1	108	22	765	4.76	48	5	ND	1	44	.4	2	2	76	1.18	.104	7	119	1.87	137	.09	3	2.26	.02	.05	1	14	160
L108+00E 104+50N	1	230	17	93	.1	125	23	747	4.73	37	5	ND	1	36	.6	2	2	79	.90	.042	8	135	2.25	105	.16	5	2.35	.02	.06	1	11	140
L108+00E 104+00N	1	197	2	76	.1	148	22	651	4.26	39	5	ND	1	35	.9	2	2	72	.87	.048	6	158	2.32	84	.18	6	2.13	.03	.05	1	12	80
L108+00E 103+50N	1	149	7	102	.1	195	22	674	4.42	66	5	ND	1	43	.3	2	4	67	1.25	.088	8	161	2.36	151	.07	9	1.87	.02	.05	1	12	90
L108+00E 103+00N	1	460	10	109	.1	124	28	941	6.52	53	5	ND	1	16	2.4	2	2	121	.77	.052	5	146	2.86	83	.24	4	3.01	.01	.02	2	17	110
L108+00E 102+50N	1	338	2	140	.1	157	26	760	5.83	81	5	ND	1	24	2.1	3	2	97	.81	.094	8	172	3.16	101	.13	9	2.45	.01	.05	1	15	70
L108+00E 102+00N	1	601	6	117	.2	113	29	870	6.32	59	5	ND	1	28	1.8	2	2	116	1.35	.074	8	126	2.39	116	.13	2	2.86	.01	.03	1	24	100
L108+00E 101+50N	2	294	13	125	.1	153	25	802	4.49	43	5	ND	1	43	1.5	2	2	69	1.41	.120	9	131	2.22	115	.07	7	1.84	.02	.05	1	12	70
L108+00E 100+50N	1	228	2	81	.1	460	38	790	5.23	33	5	ND	1	25	1.5	2	2	77	.73	.047	5	418	5.83	94	.13	10	2.02	.02	.03	1	23	60
L108+00E 100+00N	1	153	10	66	.1	733	39	642	4.57	41	5	ND	1	52	1.9	2	2	65	2.11	.048	4	535	8.48	68	.11	26	1.90	.03	.03	1	12	70
L108+00E 99+50N	1	201	6	116	.1	444	30	548	5.29	47	5	ND	1	26	1.8	2	2	72	.58	.082	7	331	5.02	97	.08	11	2.14	.02	.04	1	15	40
L108+00E 99+00N	2	68	11	56	.1	1389	72	1156	4.21	18	5	ND	1	35	1.3	2	2	32	1.43	.046	3	639	11.54	48	.03	33	1.10	.01	.03	1	14	60
L108+00E 98+50N	1	20	2	37	.1	1738	70	603	3.43	25	5	ND	1	77	.5	2	2	12	1.91	.009	2	746	10.54	123	.01	27	.39	.01	.01	1	11	40
L108+00E 98+00N	2	433	9	132	.2	76	26	956	5.00	63	5	ND	1	44	1.2	3	5	82	1.76	.142	9	81	1.60	177	.05	8	1.94	.02	.05	1	13	100
L108+00E 97+50N	2	194	10	122	.1	48	19	799	4.53	65	5	ND	1	48	1.2	2	2	67	1.79	.097	8	56	1.28	182	.05	5	1.59	.02	.06	1	13	80
L108+00E 97+00N	2	244	13	163	.1	64	29	874	6.95	106	5	ND	1	31	2.3	5	4	109	.97	.112	10	84	1.89	142	.08	6	2.20	.01	.07	1	32	120
L108+00E 96+50N	1	387	4	139	.1	77	53	1351	7.91	210	5	ND	1	151	2.8	23	2	141	3.82	.069	5	99	2.26	346	.05	4	1.79	.01	.04	1	37	300
L108+00E 96+00N	3	284	9	156	.1	130	46	1236	8.02	173	5	ND	1	19	3.7	4	2	139	.86	.138	10	251	4.02	113	.14	2	3.57	.01	.05	1	16	60
L108+00E 95+85N	1	368	2	162	.1	81	57	1690	10.07	137	5	ND	1	56	5.2	3	2	178	2.07	.073	6	90	2.53	198	.11	8	3.05	.01	.07	1	11	90
L108+00E 95+50N	2	231	2	155	.1	61	34	897	6.75	668	5	ND	1	92	3.8	30	2	98	6.54	.156	7	48	1.89	121	.03	4	1.74	.01	.06	1	10	230
L108+00E 95+00N	3	307	2	150	.2	86	44	804	7.82	451	5	ND	1	82	4.3	10	2	73	5.91	.152	4	56	2.39	76	.05	2	2.46	.01	.07	1	17	110
L108+00E 94+50N	4	214	13	216	.3	60	31	1209	6.67	107	5	ND	2	33	3.2	3	2	91	.87	.102	11	50	1.97	149	.15	2	2.43	.01	.06	1	34	70
L108+00E 94+00N	4	236	9	135	.2	39	15	631	4.32	68	5	ND	1	46	.7	3	2	54	1.74	.093	11	32	.95	216	.04	4	1.53	.01	.04	1	7	90
L108+00E 93+50N	3	387	14	153	.2	42	20	915	3.86	76	5	ND	1	64	1.8	2	2	51	3.04	.111	13	31	.98	223	.04	4	1.42	.01	.04	1	17	80
L108+00E 93+00N	2	246	16	127	.1	52	23	855	4.75	105	5	ND	1	39	1.0	2	5	61	1.22	.068	14	38	1.39	205	.06	3	2.09	.01	.07	1	15	110
L108+00E 92+50N	4	167	7	153	.3	49	25	1006	5.41	273	5	ND	1	57	2.4	84	2	68	1.93	.073	15	39	1.31	406	.06	8	1.85	.01	.08	1	10	190
L108+00E 92+00N	6	149	11	218	.2	48	28	1475	5.86	86	5	ND	3	36	2.7	5	2	50	.51	.102	17	26	1.12	197	.09	3	1.80	.01	.06	2	10	90
L108+00E 91+50N	1	329	2	103	.1	74	59	1148	7.30	56	5	ND	1	45	3.1	2	2	164	3.22	.043	3	128	3.54	155	.13	6	3.97	.01	.03	1	19	80
L108+00E 91+00N	10	120	15	221	.5	38	21	1161	5.83	142	5	ND	2	45	2.5	6	2	36	.74	.121	16	19	.62	196	.04	7	1.19	.01	.07	1	13	100
STANDARD C/AU-S	18	62	37	132	7.1	68	28	1028	4.04	38	18	6	36	47	18.7	15	18	56	.51	.097	35	56	.91	175	.07	34	1.94	.06	.14	12	49	1500

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: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUN 28 1990 **DATE REPORT MAILED:** July 7/90 **SIGNED BY** C. Leong ..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
L110+00E 108+00N	1	214	5	112	.1	167	28	608	4.98	51	5	ND	1	32	1.2	2	4	92	1.21	.060	6	164	3.01	91	.12	15	2.06	.03	.05	1	17	70
L110+00E 107+50N	1	182	3	120	.1	226	35	636	5.16	29	5	ND	1	20	2.4	2	2	110	1.00	.039	3	280	4.69	76	.18	7	2.42	.04	.04	1	12	110
L110+00E 107+00N	1	278	3	115	.1	287	42	738	5.69	50	5	ND	1	21	1.6	2	2	111	.89	.047	3	296	4.82	74	.13	11	2.21	.04	.04	1	12	50
L110+00E 106+50N	1	141	8	83	.1	514	37	577	4.71	43	5	ND	1	22	.8	3	4	71	.82	.043	4	443	6.98	108	.08	16	1.94	.02	.03	1	9	40
L110+00E 106+00N	1	75	2	57	.1	1386	56	454	3.95	14	5	ND	1	6	1.5	2	4	31	.31	.022	2	1135	20.65	27	.02	37	.84	.01	.01	1	5	30
L110+00E 105+50N	1	276	2	93	.1	362	29	350	4.76	27	5	ND	1	16	1.8	2	3	114	.82	.036	4	367	5.97	82	.19	12	2.65	.04	.04	1	9	80
L110+00E 105+00N	1	287	2	118	.1	149	28	651	5.79	55	5	ND	1	24	1.8	2	2	124	1.17	.055	5	167	3.26	120	.14	16	2.73	.03	.06	1	19	120
L110+00E 104+50N	1	321	5	131	.2	67	25	805	6.35	83	5	ND	1	35	1.2	3	5	117	1.45	.070	7	100	1.95	120	.07	14	2.32	.02	.04	1	21	280
L110+00E 104+00N	1	274	3	172	.2	63	26	1155	6.57	86	5	ND	1	46	1.5	4	2	106	2.22	.083	7	73	1.33	174	.03	18	1.56	.02	.05	1	34	400
L110+00E 103+50N	1	289	11	151	.2	61	28	772	7.33	51	6	ND	1	35	1.8	3	2	137	1.45	.059	7	82	1.49	126	.05	13	1.83	.03	.06	2	21	380
L110+00E 103+00N	1	272	10	123	.1	64	29	943	7.10	93	5	ND	1	30	.5	4	2	124	1.21	.061	6	101	1.88	132	.05	9	2.43	.01	.06	2	25	230
L110+00E 102+50N	1	246	7	129	.1	87	25	990	6.15	99	5	ND	1	39	1.0	4	2	103	1.60	.094	8	103	1.78	160	.04	16	2.12	.02	.05	1	15	180
L110+00E 102+00N	1	299	4	125	.1	90	30	1178	7.21	91	5	ND	1	31	1.3	2	2	119	1.19	.063	7	123	2.00	161	.05	6	2.49	.01	.06	1	21	250
L110+00E 101+50N	2	146	10	114	.1	112	19	628	4.14	51	5	ND	1	50	.2	3	3	64	2.05	.101	8	95	1.46	174	.05	11	1.65	.02	.04	1	12	100
L110+00E 100+50N	1	324	17	127	.1	140	26	886	5.24	68	5	ND	1	47	1.1	2	3	88	1.58	.085	9	109	1.94	194	.07	9	2.04	.02	.05	1	18	60
L110+00E 100+00N	2	184	3	133	.3	260	26	1713	3.46	60	5	ND	1	39	1.2	4	2	50	1.74	.102	7	132	1.60	241	.04	12	1.31	.01	.04	1	12	110
L110+00E 99+50N	1	342	8	131	.2	90	33	1043	7.98	71	5	ND	1	24	1.3	7	2	149	1.02	.068	7	140	2.60	164	.07	10	2.91	.01	.06	1	9	240
L110+00E 99+00N	1	255	9	160	.3	74	27	864	7.12	171	5	ND	1	32	1.4	9	2	117	1.28	.088	10	105	2.29	201	.05	6	2.55	.01	.06	1	17	170
L110+00E 98+50N	2	272	10	169	.3	67	26	853	7.40	192	5	ND	1	29	2.6	11	2	124	1.10	.103	12	94	2.61	209	.07	9	2.86	.01	.09	1	19	190
L110+00E 98+00N	2	292	8	169	.2	69	32	1009	7.83	356	5	ND	1	31	3.1	8	2	141	1.46	.121	9	96	3.08	194	.12	5	3.03	.01	.11	1	18	280
L110+00E 97+50N	2	211	2	143	.1	69	30	817	6.96	666	5	ND	1	39	2.6	17	2	127	3.54	.145	8	83	3.05	134	.05	8	2.52	.01	.10	1	10	1800
L110+00E 97+00N	2	189	9	162	.2	78	29	852	7.22	281	5	ND	1	35	4.1	11	2	131	4.43	.127	6	101	3.35	116	.06	8	3.05	.01	.17	1	14	130
L110+00E 96+50N	3	163	8	187	.3	70	26	824	6.68	359	5	ND	1	36	2.4	22	2	82	2.48	.149	11	69	2.09	145	.05	11	1.94	.01	.10	1	17	150
L110+00E 96+25N	2	94	12	248	.1	36	23	827	6.62	795	5	ND	2	62	2.1	37	2	20	7.49	.217	10	14	1.34	107	.01	4	.67	.01	.09	1	8	580
L110+00E 96+00N	1	416	3	119	.5	102	37	1283	7.38	258	5	ND	1	63	3.5	5	2	98	3.33	.067	8	116	3.01	130	.28	5	3.36	.01	.14	1	68	100
L110+00E 95+50N	2	260	13	142	.2	78	29	967	5.91	112	5	ND	1	35	2.3	6	7	89	1.84	.094	9	128	2.52	94	.23	13	2.55	.01	.05	2	24	70
L110+00E 95+00N	2	325	2	131	.3	62	29	928	6.36	160	5	ND	1	55	2.1	7	6	102	4.03	.075	7	85	2.21	124	.18	8	2.44	.01	.06	1	27	90
L110+00E 94+50N	3	457	4	154	.2	60	26	988	5.88	219	5	ND	1	70	3.2	2	2	100	5.27	.082	8	80	2.16	100	.22	6	2.48	.01	.05	2	37	70
L110+00E 94+00N	3	194	12	174	.5	67	49	758	9.42	401	5	ND	1	70	5.0	13	11	46	6.48	.250	8	46	1.02	78	.08	6	1.23	.01	.06	1	92	90
L110+00E 93+50N	2	273	2	148	.4	59	35	838	7.15	85	5	ND	1	18	2.5	7	2	147	1.03	.080	6	55	2.92	75	.30	10	2.99	.01	.04	1	36	80
L110+00E 93+00N	1	242	2	86	.1	43	29	652	6.48	33	5	ND	1	10	1.3	4	2	135	.85	.062	2	63	3.20	70	.35	7	3.17	.01	.04	1	27	30
L110+00E 92+50N	5	265	2	184	.4	73	33	1182	6.62	90	5	ND	1	27	2.9	5	2	130	1.84	.085	8	73	2.35	175	.32	5	2.88	.01	.03	2	42	60
L110+00E 92+00N	1	343	2	120	.2	65	35	1420	6.99	41	5	ND	1	21	2.0	2	2	137	1.99	.063	5	111	3.28	108	.25	7	3.84	.01	.02	1	39	40
L110+00E 91+50N	6	177	23	480	.5	98	58	1453	5.86	129	5	ND	4	99	4.1	11	2	41	.67	.099	25	19	1.05	187	.11	10	2.20	.02	.08	1	20	110
L110+00E 91+00N	2	334	27	179	.4	59	63	1600	6.79	53	5	ND	3	46	.9	4	2	36	.67	.149	18	22	1.10	200	.12	5	2.45	.02	.05	1	10	100
L110+00E 90+50N	3	164	18	181	.2	45	36	2474	5.95	46	5	ND	3	49	1.0	5	2	34	.66	.110	22	17	1.03	179	.09	5	2.30	.02	.06	2	12	90
L110+00E 90+00N	12	84	12	300	.2	36	13	440	7.18	36	5	ND	2	102	2.1	2	2	23	.39	.072	18	7	.28	159	.01	9	.85	.04	.12	1	1	180
STANDARD C/AU-S	18	60	36	132	7.3	67	29	1027	4.11	39	17	8	36	48	17.4	14	23	55	.53	.096	36	57	.94	173	.07	32	1.99	.06	.14	11	51	1300

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
L112+00E 108+00N	2	176	20	105	.1	132	29	483	5.97	146	5	ND	1	33	.2	2	3	103	.87	.052	7	126	2.17	164	.10	11	2.35	.03	.04	2	18	120
L112+00E 107+50N	1	225	5	118	.3	155	25	618	5.47	160	5	ND	1	39	1.0	2	6	94	1.39	.088	7	154	2.51	164	.05	10	2.18	.02	.03	1	19	130
L112+00E 107+00N	2	497	3	114	.3	96	34	1243	7.61	707	5	ND	1	33	1.0	5	4	128	1.18	.063	7	104	1.54	152	.04	13	2.35	.03	.04	1	100	120
L112+00E 106+50N	1	259	13	118	.2	107	25	748	5.44	127	5	ND	1	43	1.2	2	2	97	1.42	.072	6	83	1.55	153	.06	5	1.96	.03	.03	1	7	70
L112+00E 106+00N	2	493	15	105	1.1	102	40	2101	9.88	1633	5	ND	1	29	.9	14	2	129	1.08	.063	7	83	.92	165	.01	9	1.77	.02	.05	1	840	490
L112+00E 105+50N	1	262	10	128	.2	93	40	1257	8.87	149	5	ND	1	28	2.4	2	4	157	.93	.065	4	106	1.34	139	.03	10	2.56	.02	.04	1	33	180
L112+00E 105+00N	2	104	7	125	.2	54	27	937	4.75	76	5	ND	1	38	.8	4	6	83	.86	.075	7	92	1.50	168	.08	10	1.88	.02	.04	1	1	70
L112+00E 104+50N	2	251	18	129	.1	86	29	1056	6.31	110	5	ND	1	41	1.0	2	2	102	1.05	.074	9	107	1.78	180	.07	11	2.32	.03	.04	1	12	90
L112+00E 104+00N	2	244	17	90	.3	49	27	979	5.74	258	5	ND	1	21	.2	3	7	105	.78	.053	5	70	1.19	104	.05	9	1.82	.03	.04	5	126	110
L112+00E 103+50N	2	263	18	90	.1	55	20	690	4.78	189	5	ND	1	27	.2	2	6	90	.89	.057	5	80	1.50	114	.04	4	1.91	.02	.04	6	75	210
L112+00E 103+00N	2	205	9	128	.1	83	26	814	5.11	118	5	ND	1	41	.6	2	2	82	1.20	.059	9	102	1.70	184	.07	6	2.01	.02	.04	1	4	140
L112+00E 102+50N	2	169	9	138	.2	106	25	814	4.73	98	5	ND	1	49	1.2	2	2	75	1.85	.087	8	104	1.83	192	.06	12	1.78	.02	.06	1	1	110
L112+00E 102+00N	2	179	6	148	.3	81	25	832	5.96	185	5	ND	1	32	.9	2	2	93	1.37	.060	9	103	2.38	157	.06	10	2.54	.01	.06	1	15	150
L112+00E 101+50N	2	235	17	138	.4	70	27	812	6.23	172	5	ND	1	56	2.0	3	2	99	3.96	.074	8	82	2.19	169	.10	2	2.45	.02	.06	1	25	120
L112+00E 100+50N	3	212	11	164	.3	104	27	825	5.66	150	5	ND	1	49	.9	3	4	84	1.76	.077	10	107	2.31	223	.06	7	2.17	.01	.05	1	8	60
L112+00E 100+00N	4	212	6	187	.5	85	28	877	5.99	189	5	ND	1	61	2.4	5	2	77	2.32	.081	14	82	2.02	202	.05	12	2.18	.01	.05	1	15	140
L112+00E 99+50N	3	261	17	147	.5	78	28	1457	5.88	243	5	ND	1	58	1.8	4	2	80	1.61	.106	19	73	1.59	324	.03	11	2.09	.02	.05	1	39	210
L112+00E 99+00N	3	201	11	176	.3	87	27	998	5.53	153	5	ND	1	57	2.5	4	2	77	1.84	.109	12	82	1.93	194	.05	10	2.00	.02	.07	1	16	160
L112+00E 98+50N	3	249	7	158	.5	75	28	1093	5.30	152	5	ND	1	112	2.6	5	4	72	2.83	.135	16	66	1.62	224	.03	9	1.89	.02	.05	1	14	170
L112+00E 98+00N	4	217	9	175	.3	83	26	987	5.46	165	5	ND	1	61	2.3	6	8	75	2.70	.101	11	75	1.87	167	.06	10	1.85	.01	.06	1	1	120
L112+00E 97+50N	4	217	13	188	.2	67	27	913	5.80	158	5	ND	1	75	3.0	4	2	78	4.29	.101	10	68	2.09	178	.07	6	2.13	.01	.06	1	2	90
L112+00E 97+00N	3	302	13	176	.3	80	36	1101	7.76	199	5	ND	1	45	3.7	2	3	119	2.62	.100	7	104	3.01	144	.12	9	3.07	.01	.12	1	31	80
L112+00E 96+50N	9	210	2	181	.6	94	33	911	7.94	2030	5	ND	1	52	2.4	18	2	70	4.10	.117	6	68	2.84	130	.02	5	1.92	.01	.10	1	490	140
L112+00E 96+00N	4	309	7	197	.3	78	47	2001	8.30	459	5	ND	1	80	4.6	2	3	109	5.50	.090	8	65	2.41	227	.10	6	2.70	.01	.06	1	174	100
L112+00E 95+50N	3	348	7	184	.3	80	45	1145	7.15	266	5	ND	1	67	3.5	2	2	85	3.94	.081	8	74	2.53	139	.14	8	2.76	.01	.06	1	57	60
L112+00E 95+00N	5	209	32	264	.7	100	55	1614	7.17	2416	5	ND	3	63	3.5	3	2	67	1.58	.092	23	41	1.42	381	.02	10	1.86	.01	.08	1	670	130
L112+00E 94+50N	2	129	2	152	.1	39	23	909	4.94	86	5	ND	1	33	.2	2	2	80	.73	.082	8	46	1.38	165	.10	6	2.32	.01	.04	1	21	50
L112+00E 94+00N	2	142	9	158	.1	42	22	940	4.92	67	5	ND	1	38	.4	2	2	76	.81	.087	9	47	1.38	157	.10	3	2.08	.02	.05	1	15	60
L112+00E 93+50N	10	279	31	623	.8	220	33	2154	8.52	258	5	ND	1	27	2.2	9	2	71	.94	.284	34	55	1.02	178	.05	2	1.75	.01	.06	1	47	250
L112+00E 93+00N	3	240	3	156	.1	55	31	1384	5.63	81	5	ND	1	35	1.0	2	4	89	.83	.081	11	60	1.72	197	.11	2	2.55	.02	.04	1	20	50
L112+00E 92+50N	2	426	2	130	.3	79	50	1713	6.61	67	5	ND	1	28	.7	2	2	119	1.00	.061	9	101	2.59	138	.17	4	3.54	.01	.06	1	73	60
L112+00E 92+00N	4	194	32	249	.5	55	41	2696	5.86	676	5	ND	4	94	1.2	7	5	37	.62	.117	27	18	.80	172	.07	8	1.77	.05	.13	1	380	70
L112+00E 91+50N	4	144	14	214	.2	48	33	1755	5.23	80	5	ND	3	49	1.6	4	5	40	.63	.124	17	23	.92	109	.09	2	1.79	.02	.06	1	15	60
L112+00E 91+00N	4	150	31	201	.4	41	29	1753	5.28	58	5	ND	2	45	.9	4	3	39	.60	.085	19	22	.90	163	.07	4	1.95	.02	.06	1	1	80
L112+00E 90+50N	11	135	15	319	.4	42	20	884	5.53	37	5	ND	2	85	2.5	2	2	29	.38	.075	22	13	.32	541	.01	13	1.20	.02	.07	1	1	130
L112+00E 90+00N	10	192	15	756	.7	80	33	1950	7.31	44	5	ND	2	87	10.3	2	2	29	2.03	.137	26	13	.63	224	.04	10	1.53	.01	.04	2	1	100
STANDARD C/AU-S	17	59	42	132	7.2	67	28	1030	4.03	42	19	7	36	47	18.6	15	22	56	.52	.095	35	56	.91	175	.07	37	1.93	.06	.14	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
L114+00E 108+50N	1	155	6	72	.1	546	50	944	5.00	88	5	ND	1	26	1.3	2	2	58	.68	.025	3	409	8.55	103	.07	9	1.36	.02	.03	1	37	60
L114+00E 108+00N	1	462	2	70	.2	782	51	799	5.71	190	5	ND	1	37	2.0	2	2	98	.98	.019	3	285	9.23	91	.11	13	2.53	.04	.03	1	66	70
L114+00E 107+50N	2	257	2	110	.1	165	31	715	5.58	159	5	ND	1	40	1.5	2	2	100	1.07	.045	7	149	2.62	222	.11	4	2.25	.04	.04	1	24	180
L114+00E 107+00N	3	478	2	125	.1	131	32	558	6.80	349	5	ND	1	35	3.0	2	2	148	1.39	.045	5	130	2.57	202	.15	10	2.37	.06	.06	4	52	70
L114+00E 106+50N	2	607	2	116	.2	126	35	773	6.55	242	5	ND	1	40	1.9	2	2	135	1.44	.060	7	137	2.42	223	.14	7	2.53	.05	.07	1	54	90
L114+00E 106+00N	2	302	3	121	.2	133	33	907	6.44	278	5	ND	1	26	1.7	4	2	128	.73	.056	7	178	2.86	140	.14	5	2.59	.04	.12	1	41	50
L114+00E 105+50N	2	457	14	121	.3	157	34	832	6.27	149	5	ND	1	48	3.1	2	2	124	1.74	.049	8	173	2.79	268	.12	9	2.55	.05	.08	1	32	80
L114+00E 105+00N	2	169	2	117	.1	112	27	743	5.13	101	5	ND	1	38	2.1	4	6	102	1.19	.045	6	153	2.41	195	.11	9	2.11	.04	.08	1	10	40
L114+00E 104+50N	2	260	3	119	.1	132	30	784	6.05	158	5	ND	1	34	2.8	3	2	117	1.07	.042	6	163	2.50	207	.13	11	2.25	.05	.16	1	17	60
L114+00E 104+00N	2	196	12	115	.2	129	30	729	5.71	162	5	ND	1	28	1.8	4	2	111	.93	.052	6	170	2.70	157	.13	12	2.17	.04	.09	1	21	110
L114+00E 103+50N	3	523	2	157	.3	145	43	1840	9.18	681	5	ND	1	17	3.5	15	6	178	.86	.034	8	139	2.08	156	.08	12	2.35	.05	.08	1	117	270
L114+00E 103+00N	2	227	10	115	.1	411	38	685	5.80	125	5	ND	1	23	1.8	3	2	93	.70	.055	6	369	6.07	109	.10	21	1.93	.04	.09	1	29	80
L114+00E 102+50N	4	112	2	62	.2	1188	68	764	5.01	103	5	ND	1	56	1.8	2	2	35	1.00	.040	4	389	11.26	63	.04	33	1.14	.02	.04	1	20	30
L114+00E 102+00N	2	121	5	112	.1	793	47	611	4.97	65	5	ND	1	26	2.3	2	2	48	.58	.053	11	676	11.36	76	.06	68	1.20	.02	.05	1	11	50
L114+00E 101+50N	3	153	2	117	.1	588	40	728	4.92	89	5	ND	1	35	1.7	2	2	58	1.53	.057	6	284	8.22	93	.08	24	1.60	.02	.06	1	14	40
L114+00E 100+50N	4	273	13	185	.4	125	31	851	6.51	156	5	ND	1	50	3.0	5	2	104	2.37	.095	8	90	2.86	129	.14	2	2.40	.03	.07	1	23	90
L114+00E 100+00N	1	536	2	124	.2	132	35	633	6.67	186	5	ND	1	34	2.7	3	3	140	2.45	.063	4	104	3.05	146	.21	5	2.59	.08	.08	1	20	80
L114+00E 99+50N	3	387	5	163	.1	186	37	892	6.84	149	5	ND	1	31	3.0	2	2	125	1.36	.082	6	129	3.82	188	.17	7	2.67	.06	.08	1	28	60
L114+00E 99+00N	2	268	2	128	.2	479	42	808	5.96	104	5	ND	1	32	2.9	2	2	92	1.49	.062	4	315	8.35	136	.13	15	2.41	.05	.07	1	24	50
L114+00E 98+50N	4	347	2	181	.3	180	38	904	6.97	170	5	ND	1	44	3.4	4	5	117	1.65	.096	7	136	4.03	152	.16	4	2.67	.05	.09	1	34	70
L114+00E 98+00N	5	321	9	209	.4	97	37	1019	7.32	208	5	ND	1	51	4.0	6	2	115	1.86	.100	7	88	2.93	127	.15	8	2.67	.03	.09	1	45	130
L114+00E 97+50N	5	316	8	225	.3	97	38	1062	7.44	210	5	ND	1	51	3.1	4	2	113	2.07	.105	8	84	2.89	120	.13	6	2.62	.02	.07	1	41	100
L114+00E 97+00N	3	952	17	118	1.0	64	44	668	8.42	4616	5	ND	1	19	3.6	10	2	127	2.17	.021	2	101	1.60	8	.19	4	1.54	.02	.01	2	1270	70
L114+00E 95+00N	1	577	2	173	.4	91	75	2388	8.01	203	5	ND	1	18	4.1	2	2	191	1.52	.027	6	107	3.50	298	.34	9	4.31	.01	.03	1	50	360
L114+00E 94+50N	2	257	2	124	.1	48	25	1149	5.81	67	5	ND	1	33	1.1	2	2	102	.91	.073	12	66	1.88	226	.09	5	3.20	.01	.05	1	19	80
L114+00E 93+50N	1	373	5	111	.1	52	40	1431	8.72	21	5	ND	1	22	5.5	2	2	213	1.40	.042	2	67	4.02	135	.36	2	4.86	.01	.02	1	7	30
L114+00E 93+00N	1	229	2	177	.3	81	42	1348	6.81	2196	5	ND	1	207	2.6	134	2	71	5.55	.050	5	38	2.43	260	.02	12	1.51	.01	.10	1	23	180
L114+00E 92+50N	3	160	30	328	.3	63	41	2787	7.33	204	5	ND	5	37	4.2	16	2	41	.69	.112	26	17	.71	236	.01	5	1.45	.02	.09	1	21	130
L114+00E 92+00N	1	128	6	151	.1	44	33	1135	6.26	164	5	ND	3	26	1.0	8	2	44	.67	.113	20	28	1.35	232	.02	5	2.28	.01	.07	1	13	80
L114+00E 91+50N	11	172	18	649	.4	90	34	1382	6.01	130	5	ND	3	36	4.7	8	2	35	.31	.084	20	19	.60	261	.01	7	1.35	.02	.07	1	12	160
L116+00E 109+00N	4	292	26	42	.5	204	40	412	7.86	2557	5	ND	3	63	2.0	8	2	12	1.05	.057	10	52	1.67	144	.01	18	.99	.01	.06	1	480	70
L116+00E 108+50N	4	153	14	189	.2	74	23	836	6.16	53	5	ND	6	138	1.3	3	2	24	.37	.127	30	24	.85	108	.01	3	2.11	.02	.05	1	22	80
L116+00E 108+00N	8	183	14	223	.2	142	31	1307	7.81	53	5	ND	4	230	2.6	5	2	56	.55	.225	35	70	1.65	167	.14	5	2.18	.05	.07	1	12	110
L116+00E 107+50N	7	64	11	102	.1	45	14	396	3.94	20	5	ND	3	202	.8	2	2	32	.36	.115	19	25	.53	268	.39	6	.91	.03	.07	1	8	160
L116+00E 107+00N	5	104	15	155	.1	93	38	1400	6.82	24	5	ND	1	109	2.2	3	2	50	.59	.164	8	28	.98	134	.33	5	1.48	.01	.03	1	20	120
L116+00E 106+50N	3	167	3	127	.2	479	48	945	5.95	161	5	ND	1	46	1.1	2	2	63	1.05	.099	7	294	5.62	103	.15	13	2.07	.03	.11	1	39	60
STANDARD C/AU-S	18	61	39	133	7.2	67	30	1037	4.09	38	19	7	37	48	18.6	16	19	58	.52	.090	35	58	.94	181	.07	36	2.01	.06	.13	12	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
L116+00E 106+00N	1	88	19	86	.3	281	39	799	5.44	298	5	ND	1	92	1.4	2	5	59	3.38	.102	7	132	3.63	315	.08	11	2.31	.07	.10	1	230	120
L116+00E 105+50N	1	86	17	90	.1	125	23	532	4.00	41	5	ND	4	29	.2	2	2	56	.79	.068	12	82	1.58	87	.09	7	1.42	.02	.10	1	21	50
L116+00E 105+00N	1	73	10	105	.1	96	17	524	3.56	11	5	ND	4	35	.4	2	4	55	.82	.067	12	56	1.17	83	.09	6	1.35	.01	.08	1	3	100
L116+00E 104+50N	1	90	17	119	.1	100	25	719	4.01	14	5	ND	4	33	.7	2	2	61	.82	.066	12	60	1.07	84	.10	6	1.64	.03	.11	1	5	90
L116+00E 104+00N	1	170	10	126	.1	429	31	590	4.56	31	5	ND	1	39	1.0	2	2	63	1.06	.074	7	309	4.47	106	.13	21	1.98	.04	.11	1	5	70
L116+00E 103+50N	1	183	19	123	.1	253	24	637	4.48	40	5	ND	1	35	.7	2	2	62	.93	.067	8	204	3.12	113	.13	13	1.93	.04	.12	1	20	50
L116+00E 103+00N	1	222	6	157	.1	195	24	629	4.50	18	5	ND	1	42	1.8	2	5	60	1.55	.077	6	150	2.23	95	.15	7	2.02	.04	.12	1	70	80
L116+00E 102+50N	1	216	13	151	.1	241	25	589	4.32	21	5	ND	1	37	.6	2	2	60	1.42	.070	7	194	2.67	105	.14	9	1.98	.03	.08	1	7	90
L116+00E 102+00N	1	346	17	130	.2	192	26	697	4.75	20	5	ND	1	41	1.3	2	2	68	1.73	.069	6	152	2.15	92	.19	9	2.26	.03	.08	1	20	100
L116+00E 101+50N	3	64	11	144	.2	580	35	606	6.07	6	5	ND	1	78	1.0	2	2	39	.77	.085	31	372	6.32	65	.01	9	1.55	.02	.06	1	5	140
L116+00E 100+50N	2	28	2	41	.1	1618	70	587	3.75	53	5	ND	1	48	1.8	2	2	21	.70	.018	2	912	19.12	39	.01	64	.71	.01	.02	1	89	40
L116+00E 100+00N	4	55	9	81	.1	451	31	565	4.40	112	5	ND	1	129	.6	2	2	37	1.56	.060	3	256	10.51	90	.04	17	1.81	.02	.10	1	42	30
L116+00E 99+50N	1	129	17	116	.1	91	33	822	6.02	103	5	ND	1	112	1.0	2	2	60	1.70	.100	5	98	4.79	145	.10	7	3.47	.25	.13	1	37	70
L116+00E 99+00N	5	99	7	107	.1	44	31	726	5.80	108	5	ND	1	137	1.4	2	2	59	3.03	.108	6	79	3.66	300	.08	4	3.00	.15	.14	1	40	90
L116+00E 98+50N	1	163	14	143	.1	38	28	877	6.66	121	5	ND	1	124	2.4	2	7	118	4.52	.173	12	170	2.52	209	.10	10	1.90	.05	.24	1	30	140
L116+00E 98+00N	1	605	40	156	1.6	75	47	1530	10.50	791	5	ND	1	25	5.0	9	6	155	2.08	.057	4	116	2.31	104	.11	7	2.73	.04	.31	2	400	530
L116+00E 95+00N	1	383	16	113	.1	58	44	939	6.05	64	5	ND	1	29	.9	2	2	117	.76	.072	8	54	1.72	136	.13	2	2.86	.01	.04	3	47	50
L116+00E 94+50N	1	199	13	118	.2	45	28	1006	5.56	70	5	ND	1	33	.5	2	2	95	.82	.119	9	59	1.57	194	.05	4	2.79	.01	.04	1	18	50
L116+00E 94+00N	1	317	21	125	.3	53	33	1116	6.91	33	5	ND	1	22	1.8	2	7	138	.92	.080	6	58	2.19	119	.23	5	3.10	.01	.04	1	14	50
L116+00E 93+50N	1	493	16	128	.4	59	42	1755	8.65	101	5	ND	1	17	3.0	2	2	177	1.29	.057	4	83	3.35	120	.20	3	4.16	.01	.03	1	187	70
L116+00E 93+00N	1	360	2	94	.1	62	36	1368	6.72	36	5	ND	1	26	2.6	2	2	138	3.16	.044	3	111	2.81	82	.22	5	3.31	.01	.02	1	22	20
L116+00E 92+50N	1	359	8	124	.2	62	41	1345	7.67	59	5	ND	1	20	1.8	2	2	151	1.42	.057	5	90	2.86	126	.19	9	3.47	.01	.03	1	27	60
L116+00E 92+00N	3	128	18	236	.1	40	27	2451	4.83	45	5	ND	4	52	2.7	2	2	29	.76	.086	22	13	.79	221	.01	9	1.53	.02	.09	1	11	100
L116+00E 91+50N	4	175	17	210	.3	44	27	1299	5.78	69	5	ND	3	52	.6	6	2	66	.63	.081	20	37	1.34	188	.09	5	1.92	.03	.09	1	19	80
L116+00E 91+00N	3	224	19	210	.3	57	32	1517	6.09	84	5	ND	2	38	2.4	2	2	78	.76	.080	16	53	1.94	175	.11	5	2.53	.02	.08	1	23	50
L118+00E 109+00N	1	114	14	112	.1	196	20	501	4.36	35	5	ND	1	53	.9	2	2	60	1.07	.067	8	167	2.62	121	.10	9	2.00	.03	.04	1	11	60
L118+00E 108+50N	1	106	10	91	.1	130	19	487	4.32	52	5	ND	1	58	.2	2	2	64	1.31	.052	6	148	2.32	111	.10	9	1.89	.03	.04	1	7	60
L118+00E 108+00N	1	93	7	93	.1	136	24	618	4.49	53	5	ND	1	67	1.1	2	2	64	1.24	.057	7	147	2.82	113	.10	5	2.24	.06	.08	1	11	50
L118+00E 107+50N	1	162	11	90	.1	195	25	677	4.92	50	5	ND	1	42	.2	2	2	80	1.14	.042	9	181	3.02	114	.15	8	2.27	.03	.06	1	15	60
L118+00E 107+00N	1	174	8	93	.1	239	30	878	5.14	67	5	ND	1	36	.6	2	4	89	1.11	.036	8	198	3.39	121	.19	11	2.49	.03	.06	1	16	50
L118+00E 106+50N	1	132	2	95	.1	390	34	681	5.40	229	5	ND	1	55	1.5	2	2	67	1.42	.074	6	301	5.44	194	.10	20	2.26	.04	.12	1	64	50
L118+00E 106+00N	1	191	20	116	.1	262	25	500	5.05	83	5	ND	1	40	.2	2	2	77	1.08	.100	7	253	3.63	157	.10	10	2.06	.03	.06	1	12	70
L118+00E 105+50N	1	129	7	107	.1	341	29	520	4.64	64	5	ND	1	39	.5	2	2	65	.89	.083	6	345	4.91	120	.09	19	1.81	.03	.07	1	15	40
L118+00E 105+00N	2	145	2	88	.1	597	32	419	4.49	47	5	ND	1	37	.2	2	2	51	.84	.052	7	557	8.06	89	.08	38	1.46	.02	.04	1	8	30
L118+00E 104+50N	2	145	7	114	.3	314	28	625	5.27	68	5	ND	1	62	.6	3	2	70	1.29	.073	8	221	4.03	216	.12	19	2.11	.04	.06	1	23	50
L118+00E 104+00N	1	163	19	82	.1	489	39	680	5.37	104	5	ND	1	74	1.8	3	2	83	1.81	.053	6	324	5.72	328	.08	18	2.55	.04	.06	2	84	50
STANDARD C/AU-S	18	60	38	132	7.3	68	28	1032	4.05	41	18	7	36	48	18.1	15	17	55	.52	.093	36	56	.92	175	.07	36	1.91	.06	.14	12	51	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
L118+00E 103+50N	2	212	3	122	.2	67	40	707	7.51	111	5	ND	1	111	2.9	2	2	127	2.60	.047	3	224	4.55	236	.06	12	4.70	.10	.17	3	20	120
L118+00E 103+00N	1	259	2	106	.3	624	47	946	6.46	160	5	ND	1	71	2.4	2	2	94	2.22	.067	4	341	7.95	155	.09	29	2.52	.05	.12	1	20	130
L118+00E 102+75N	1	3	2	28	.1	1758	64	486	2.90	8	5	ND	1	3	.5	2	2	11	.12	.001	2	1630	26.51	1	.01	120	.24	.01	.01	1	4	20
L118+00E 102+50N	8	4	2	61	.1	4401	141	1846	13.96	166	5	ND	1	191	2.7	2	2	40	1.35	.004	2	523	3.87	520	.01	24	.73	.01	.06	6	2	5
L118+00E 102+00N	3	231	3	127	.2	230	44	880	7.76	67	5	ND	1	115	3.8	2	2	136	2.45	.070	4	173	5.24	197	.09	16	3.81	.11	.23	2	22	70
L118+00E 101+50N	4	252	5	146	.5	347	34	770	6.18	124	5	ND	1	49	2.4	2	2	100	1.13	.074	7	232	5.68	124	.10	24	2.20	.05	.10	1	22	80
L118+00E 100+50N	2	299	11	150	.4	154	33	980	7.11	326	5	ND	1	55	3.4	5	2	120	3.15	.093	6	142	3.80	147	.10	16	2.68	.03	.14	1	28	190
L118+00E 100+00N	2	319	2	158	.4	132	32	964	7.02	241	5	ND	1	46	3.0	4	2	131	1.79	.091	6	140	3.61	163	.14	14	2.96	.04	.17	1	26	120
L118+00E 99+50N	2	377	2	164	.4	96	35	1154	7.53	301	5	ND	1	43	2.5	2	2	146	2.22	.092	6	118	3.36	172	.14	5	3.32	.04	.18	1	33	140
L118+00E 99+00N	3	572	2	175	.3	79	33	1012	7.56	297	5	ND	1	46	3.9	2	2	159	3.55	.099	6	107	3.12	128	.16	13	3.16	.04	.20	1	28	290
L118+00E 98+50N	2	512	2	192	.4	101	34	1010	7.56	316	5	ND	1	43	3.1	5	3	152	2.46	.108	7	115	3.14	152	.13	8	2.97	.04	.20	1	33	100
L118+00E 98+00N	2	440	2	181	.2	110	37	1096	7.93	322	5	ND	1	44	2.3	2	2	144	1.87	.097	6	127	3.31	186	.14	6	3.01	.04	.14	1	38	90
L120+00E 110+00N	2	93	2	118	.1	96	19	956	3.44	39	5	ND	1	66	.9	2	2	53	1.87	.121	5	99	1.52	106	.08	18	1.32	.02	.06	1	6	60
L120+00E 109+50N	2	98	8	136	.1	101	21	632	3.67	43	5	ND	1	62	.4	2	4	56	1.79	.080	6	122	1.82	86	.09	14	1.41	.02	.07	1	4	50
L120+00E 109+00N	2	95	3	173	.1	113	26	965	3.89	38	5	ND	1	62	1.5	2	2	55	1.57	.117	7	124	2.04	122	.08	10	1.60	.02	.12	1	10	70
L120+00E 108+50N	3	85	10	179	.4	39	19	659	5.33	16	5	ND	2	58	.4	2	2	30	.55	.093	21	23	.86	236	.01	5	1.81	.01	.04	1	7	100
L120+00E 108+00N	2	141	4	116	.1	299	31	764	5.29	67	5	ND	1	58	1.1	2	2	75	1.31	.092	7	263	3.91	115	.11	18	2.26	.05	.14	1	13	80
L120+00E 107+50N	1	165	2	129	.1	462	34	720	5.40	40	5	ND	1	36	1.4	3	2	71	.97	.081	6	414	5.90	91	.15	28	2.01	.02	.05	1	8	50
L120+00E 107+00N	2	203	5	152	.1	374	31	743	5.79	28	5	ND	1	50	1.4	2	2	72	1.02	.089	8	283	3.72	128	.16	16	2.10	.02	.05	1	7	40
L120+00E 106+50N	1	222	2	97	.1	487	36	738	4.87	19	5	ND	1	31	.7	2	2	62	1.30	.046	4	479	6.37	60	.18	42	1.81	.02	.05	1	3	30
L120+00E 106+00N	1	258	2	107	.1	499	42	737	5.69	16	5	ND	1	20	2.1	2	2	78	1.07	.051	2	557	7.42	36	.25	41	2.67	.01	.04	1	5	20
L120+00E 105+50N	1	206	7	104	.1	410	34	666	4.43	32	5	ND	1	35	.8	2	2	60	1.56	.059	4	422	5.99	63	.14	48	1.77	.02	.07	1	7	30
L120+00E 105+00N	1	196	2	89	.1	261	28	662	5.02	22	5	ND	1	31	1.7	2	2	72	1.80	.062	3	347	4.76	39	.29	25	2.49	.01	.06	1	7	20
L120+00E 104+50N	1	239	5	101	.1	339	31	710	5.13	34	5	ND	1	33	.2	2	2	77	1.16	.045	5	361	4.84	84	.21	21	2.22	.02	.06	1	8	40
L120+00E 104+00N	1	370	5	103	.1	340	39	865	5.84	26	5	ND	1	25	1.5	2	2	85	1.12	.055	3	412	4.93	72	.25	20	2.77	.01	.05	1	14	30
L120+00E 103+50N	1	123	4	92	.1	805	49	791	4.75	56	5	ND	1	36	.5	2	2	55	.91	.046	5	593	9.69	92	.07	43	1.51	.02	.08	1	9	40
L120+00E 103+00N	2	149	2	97	.1	502	37	792	4.98	75	5	ND	1	58	.7	2	2	69	1.42	.070	6	306	5.57	151	.08	25	1.93	.03	.07	1	13	50
L120+00E 102+50N	2	143	9	98	.1	430	31	581	4.80	71	5	ND	1	82	.4	2	2	67	2.26	.071	5	210	4.26	210	.08	21	1.88	.03	.09	1	21	40
L120+00E 102+00N	1	115	8	109	.2	260	34	643	5.11	71	5	ND	1	63	.3	2	3	79	1.52	.126	7	194	4.06	480	.11	13	2.95	.08	.17	1	54	50
L120+00E 101+50N	1	180	3	110	.1	172	37	809	6.43	92	5	ND	1	94	1.6	2	2	92	1.58	.127	8	154	4.08	478	.15	11	2.97	.09	.41	1	29	60
L120+00E 100+50N	2	288	7	118	.2	151	38	798	6.72	109	5	ND	1	90	1.3	2	2	117	1.78	.112	7	143	4.08	233	.18	12	3.36	.10	.25	1	30	30
L120+00E 100+00N	1	21	2	76	.1	1104	59	930	5.71	11	5	ND	1	87	2.1	2	2	30	2.31	.056	3	347	14.85	44	.04	37	1.55	.04	.04	1	7	10
L120+00E 99+50N	1	143	2	128	.1	97	35	770	7.20	25	5	ND	1	98	1.9	2	2	88	2.18	.158	11	96	4.19	181	.15	13	3.98	.10	.30	2	4	20
L120+00E 99+00N	1	105	4	95	.1	60	32	693	6.84	43	5	ND	1	173	1.4	2	2	92	1.92	.091	6	92	3.48	205	.13	10	3.30	.15	.31	2	4	20
L120+00E 98+50N	2	266	6	125	.2	73	41	1170	7.51	111	5	ND	1	83	1.9	2	2	117	2.49	.093	5	111	4.30	190	.13	10	3.60	.09	.31	1	31	30
L120+00E 98+00N	2	534	2	171	.3	100	36	688	7.34	102	5	ND	1	51	3.2	2	2	159	2.19	.051	3	105	4.73	506	.15	11	4.56	.19	.35	1	161	20
STANDARD C/AU-S	18	59	38	132	7.2	68	27	1036	4.04	38	19	8	36	48	17.5	15	21	55	.52	.096	35	56	.92	175	.07	37	1.93	.06	.14	11	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
L120+00E 97+50N	2	479	4	145	.1	75	40	1002	8.23	230	5	ND	1	38	3.1	3	2	179	2.31	.075	5	127	2.92	128	.18	18	3.10	.02	.10	1	38	80
L120+00E 97+00N	5	478	7	137	.3	80	42	1185	7.72	329	5	ND	1	41	3.2	5	3	149	3.35	.080	5	106	3.35	90	.29	7	3.45	.01	.08	1	26	40
L120+00E 96+50N	6	247	13	161	.3	82	36	1076	6.88	251	5	ND	1	65	3.3	6	2	91	4.49	.132	7	80	2.61	99	.11	8	2.61	.01	.08	1	28	60
L120+00E 96+00N	3	302	11	148	.2	81	38	1087	7.62	546	5	ND	1	61	2.9	4	2	113	4.20	.101	8	97	3.32	97	.07	15	3.38	.01	.07	1	52	70
L120+00E 95+50N	3	247	10	159	.2	74	34	1094	6.78	258	5	ND	1	69	2.3	5	2	108	3.75	.111	7	85	2.70	146	.15	15	2.77	.01	.08	1	12	40
L120+00E 95+00N	3	339	5	157	.3	107	57	1134	7.87	352	5	ND	1	59	4.0	4	2	111	3.38	.103	6	78	2.70	102	.20	13	2.89	.02	.08	1	18	60
L120+00E 94+50N	6	287	10	178	.4	102	47	1332	7.96	360	5	ND	1	109	3.7	7	2	81	6.79	.099	8	69	2.87	76	.09	8	2.83	.01	.08	1	61	70
L120+00E 94+00N	3	363	5	187	.5	98	46	1159	7.85	392	5	ND	1	48	3.4	6	2	107	2.02	.113	8	80	2.86	162	.22	17	2.97	.01	.08	1	10	50
L120+00E 93+50N	6	274	9	234	.4	86	39	1269	7.17	170	5	ND	1	43	3.4	4	7	99	1.40	.121	12	63	2.34	167	.18	7	2.58	.01	.07	2	9	80
L120+00E 93+00N	4	268	12	204	.3	75	40	1150	6.84	93	5	ND	2	44	2.1	3	2	101	1.53	.115	14	52	2.23	120	.16	10	2.71	.01	.06	1	9	50
L120+00E 92+50N	4	397	18	202	.3	94	78	1542	7.58	121	5	ND	3	42	2.9	2	2	101	1.36	.117	23	47	2.14	188	.12	9	3.33	.01	.08	2	18	60
L122+00E 104+00N	2	216	13	176	.1	191	30	819	5.97	67	5	ND	1	58	2.1	2	2	85	.92	.113	14	167	3.13	138	.15	19	2.62	.04	.06	1	8	50
L122+00E 103+50N	1	399	2	119	.1	347	33	749	5.86	72	5	ND	1	51	.8	2	2	96	1.31	.054	7	234	4.48	133	.19	16	2.49	.05	.07	1	23	50
L122+00E 103+00N	2	328	5	122	.1	290	30	640	5.30	101	5	ND	1	57	.6	2	2	97	1.96	.080	5	171	4.02	150	.15	21	2.37	.05	.09	1	8	50
L122+00E 102+50N	2	398	6	116	.2	325	34	735	6.02	102	5	ND	1	46	2.2	2	2	111	1.50	.070	6	202	4.42	125	.20	33	2.56	.06	.10	1	15	30
L122+00E 102+00N	1	3833	8	242	.4	176	44	1605	11.79	22	5	ND	1	21	8.0	2	2	205	1.84	.028	2	126	4.25	36	1.08	2	5.10	.01	.03	1	28	40
L122+00E 101+50N	1	3304	2	264	.5	182	49	1764	12.41	14	5	ND	1	18	8.8	2	2	200	1.89	.026	2	134	4.79	23	1.02	2	5.72	.01	.04	1	14	140
L122+00E 101+00N	1	275	6	104	.1	605	46	854	5.82	79	5	ND	1	57	1.5	3	2	87	1.77	.065	5	383	7.42	151	.16	33	2.32	.05	.09	1	3	30
L122+00E 100+50N	1	92	7	84	.1	1222	66	927	5.48	49	5	ND	1	86	1.7	2	2	55	1.69	.046	3	550	11.20	192	.08	26	1.70	.04	.09	1	3	20
L122+00E 100+00N	1	29	2	76	.1	986	47	778	5.24	23	5	ND	1	45	.8	3	2	33	.94	.033	3	454	15.49	42	.07	38	2.14	.04	.07	1	3	5
L122+00E 99+50N	6	470	6	135	.3	121	42	903	7.39	296	5	ND	1	56	2.7	3	2	158	2.53	.081	6	121	3.27	135	.17	15	3.15	.06	.17	1	25	40
L122+00E 99+00N	6	544	12	146	.4	103	51	1246	8.60	364	5	ND	1	40	2.6	6	2	184	1.82	.079	6	117	3.00	106	.17	16	3.23	.06	.16	1	38	60
L122+00E 98+50N	1	892	3	140	.4	94	58	842	9.92	153	5	ND	1	13	5.0	3	2	243	1.79	.062	3	130	3.21	67	.32	7	3.92	.04	.08	2	13	60
L122+00E 98+00N	2	421	9	122	.2	85	35	815	6.46	137	5	ND	1	45	.8	6	2	131	1.58	.069	6	107	2.39	121	.17	12	2.77	.05	.13	1	590	30
L122+00E 97+50N	4	408	8	108	.2	65	30	853	6.58	148	5	ND	1	34	1.2	3	5	144	1.31	.047	6	105	2.17	109	.18	6	2.96	.04	.07	4	44	70
L122+00E 97+00N	1	302	6	113	.2	60	25	881	5.72	63	5	ND	1	46	1.5	2	2	105	1.35	.052	9	89	1.93	151	.20	9	3.13	.02	.07	1	21	80
L122+00E 96+50N	1	719	3	143	.2	86	40	1501	8.36	42	5	ND	1	22	2.7	2	2	183	1.08	.059	5	207	3.45	85	.24	16	4.01	.02	.12	1	4	90
L122+00E 96+00N	1	361	2	104	.1	61	34	1682	7.88	68	5	ND	1	46	2.8	2	2	180	3.21	.066	6	101	2.01	91	.11	16	2.73	.04	.04	1	14	160
L122+00E 95+50N	2	341	5	151	.2	66	33	1077	6.85	192	5	ND	1	39	1.2	3	2	122	1.64	.090	7	113	2.61	99	.22	4	2.92	.02	.06	1	2	30
L122+00E 95+00N	1	852	9	146	.3	75	40	1200	8.32	285	5	ND	1	24	3.8	2	2	179	1.41	.079	5	130	3.05	54	.32	9	3.57	.01	.03	1	15	20
L124+00E 109+50N	2	209	3	159	.2	270	32	759	5.51	62	5	ND	1	80	1.7	3	2	82	1.80	.119	8	200	4.06	134	.18	21	2.29	.06	.16	1	3	30
L124+00E 109+00N	3	113	13	204	.2	174	30	858	4.37	38	5	ND	1	77	2.9	4	2	53	1.34	.122	7	152	2.26	129	.13	16	1.42	.02	.08	1	5	50
L124+00E 108+50N	2	103	7	110	.1	106	25	939	4.94	21	5	ND	1	58	1.1	4	2	70	.89	.090	9	118	1.82	176	.24	8	2.22	.02	.05	1	5	70
L124+00E 108+00N	3	91	9	228	.1	99	19	733	3.66	27	5	ND	1	114	2.2	4	2	45	2.15	.146	7	80	1.60	78	.14	21	1.18	.02	.13	1	5	70
L124+00E 107+50N	3	82	8	125	.1	74	19	587	3.88	25	5	ND	1	96	.8	2	2	47	1.54	.113	8	72	1.13	89	.15	12	1.22	.03	.07	1	1	60
L124+00E 107+00N	6	113	24	148	.3	92	23	763	6.04	31	5	ND	3	155	1.4	3	2	60	.95	.126	24	74	1.37	165	.31	10	1.43	.06	.14	1	9	80
STANDARD C/AU-S	17	62	41	131	7.2	67	27	1026	3.99	38	17	7	36	47	18.5	16	19	55	.52	.097	37	56	.91	174	.07	34	1.94	.06	.14	11	53	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
L124+00E 106+50N	3	121	5	151	.2	119	27	881	4.91	38	5	ND	1	102	1.4	2	2	54	1.95	.118	10	95	1.75	84	.16	17	1.52	.02	.09	1	9	50
L124+00E 106+00N	2	159	5	156	.1	85	27	501	4.33	18	5	ND	1	55	.2	2	2	56	.78	.096	18	79	1.45	140	.19	9	2.74	.01	.05	2	3	60
L124+00E 105+50N	2	133	9	119	.2	97	27	811	5.46	32	5	ND	1	66	.3	2	2	74	1.13	.078	9	101	1.85	245	.15	12	2.17	.02	.05	1	10	40
L124+00E 105+00N	2	136	9	127	.1	129	26	760	4.63	47	5	ND	1	73	1.4	4	2	67	1.60	.089	8	119	2.19	133	.14	17	1.89	.02	.12	2	7	40
L124+00E 104+50N	1	114	10	102	.1	118	17	524	2.78	26	5	ND	1	81	1.0	2	2	44	2.14	.078	4	92	1.40	136	.07	11	1.30	.02	.04	1	15	50
L124+00E 104+00N	1	170	6	83	.1	136	23	610	3.98	38	5	ND	1	40	.2	2	2	62	1.50	.062	5	172	2.37	71	.15	15	1.91	.02	.09	1	6	10
L124+00E 103+50N	2	185	9	109	.2	172	20	497	3.99	64	5	ND	1	54	.7	2	2	66	1.84	.072	5	125	2.61	105	.10	17	1.64	.03	.05	1	13	20
L124+00E 103+00N	1	274	6	78	.1	279	26	493	4.37	27	5	ND	1	21	.3	2	2	62	.90	.081	2	401	3.81	43	.17	15	2.18	.01	.04	2	13	20
L124+00E 102+50N	1	238	9	112	.1	256	25	556	4.91	73	5	ND	1	40	.5	2	2	79	1.40	.079	4	196	3.34	98	.13	14	2.20	.03	.07	1	17	40
L124+00E 102+00N	2	230	7	109	.2	251	23	470	5.68	103	5	ND	1	40	.3	2	4	96	.99	.083	7	165	3.56	124	.12	14	2.48	.04	.05	2	19	30
L124+00E 101+50N	2	218	9	108	.2	307	27	554	5.52	105	5	ND	1	43	1.3	2	2	94	1.22	.087	6	186	3.90	115	.11	13	2.28	.04	.05	1	24	2200
L124+00E 101+00N	2	226	12	99	.2	478	32	618	5.68	136	5	ND	1	36	.9	2	2	92	1.11	.058	5	292	5.52	88	.11	26	2.28	.03	.05	1	29	30
L124+00E 100+50N	2	276	8	119	.3	205	28	716	6.32	331	5	ND	1	39	.5	2	2	115	1.07	.051	6	129	3.19	95	.12	12	2.67	.03	.06	1	66	30
L124+00E 100+00N	2	430	2	122	.3	83	39	1163	7.12	413	5	ND	1	34	1.9	2	4	151	1.48	.052	6	99	2.52	98	.18	9	2.85	.02	.10	1	66	40
L124+00E 99+50N	1	411	14	129	.2	71	31	906	7.32	208	5	ND	1	29	1.7	2	2	152	1.18	.049	6	109	2.57	99	.16	11	3.19	.02	.16	1	46	80
L124+00E 99+00N	2	386	16	122	.2	90	36	1003	6.89	195	5	ND	1	40	2.0	2	2	134	1.57	.076	7	114	2.73	113	.16	11	2.84	.04	.10	3	62	50
L124+00E 98+50N	8	515	5	165	.5	77	37	1427	8.17	1843	5	ND	1	57	3.2	8	2	131	3.81	.046	5	119	2.24	75	.07	13	2.78	.01	.11	1	380	350
L124+00E 98+00N	1	316	12	109	.1	56	24	770	5.18	78	5	ND	1	40	.4	2	2	90	1.15	.073	8	83	1.69	103	.10	5	2.49	.02	.05	1	26	80
L124+00E 97+50N	2	342	9	128	.2	59	27	986	5.98	162	5	ND	1	40	.6	2	2	111	1.33	.067	8	92	1.89	140	.10	7	2.53	.02	.06	2	36	1000
L124+00E 97+00N	25	276	7	98	.1	59	33	1007	6.77	990	5	ND	1	66	2.3	4	5	140	3.63	.032	3	86	2.43	86	.08	14	2.75	.01	.33	1	122	690
L124+00E 96+50N	2	288	11	134	.2	61	29	979	6.43	151	5	ND	1	37	1.3	2	2	113	1.44	.077	7	105	2.33	104	.14	7	2.73	.02	.06	1	38	710
L124+00E 96+00N	2	706	9	261	.2	69	33	1263	7.66	120	5	ND	1	27	5.7	2	7	140	1.02	.092	7	128	2.76	101	.23	7	3.24	.01	.07	1	46	60
L124+00E 95+50N	2	302	11	139	.2	64	31	994	6.76	168	5	ND	1	32	2.0	2	2	121	1.24	.091	8	111	2.41	91	.16	8	2.85	.02	.07	1	29	240
L124+00E 95+00N	3	325	14	141	.1	65	30	917	6.28	220	5	ND	1	32	.3	2	2	108	1.30	.091	8	87	2.18	90	.13	6	2.60	.01	.09	1	33	60
L126+00E 108+00N	1	94	5	178	.1	102	16	537	2.89	22	5	ND	1	74	2.5	2	2	40	2.01	.118	5	80	1.34	129	.07	19	1.15	.02	.06	1	7	50
L126+00E 107+50N	2	115	12	187	.1	155	26	701	4.22	33	5	ND	1	63	1.9	2	2	51	1.52	.115	6	146	2.40	106	.12	15	1.55	.02	.06	1	10	50
L126+00E 107+00N	1	301	9	83	.1	162	26	706	4.81	24	5	ND	1	27	1.2	2	2	78	.91	.088	4	189	2.63	40	.27	6	2.12	.01	.04	1	12	10
L126+00E 106+50N	2	159	25	151	.3	99	23	643	5.52	37	5	ND	2	53	.9	2	2	75	.96	.106	11	131	2.16	119	.19	16	2.62	.02	.07	3	15	40
L126+00E 106+00N	2	190	11	123	.1	130	28	857	5.47	58	5	ND	1	64	.8	2	3	79	.94	.094	13	146	2.33	274	.12	8	2.45	.02	.05	1	11	60
L126+00E 105+50N	2	178	8	127	.1	117	25	638	4.97	52	5	ND	1	38	.3	2	2	78	.87	.085	8	161	2.42	107	.14	10	2.25	.02	.05	1	13	30
L126+00E 105+00N	2	159	14	138	.1	132	29	853	5.32	40	5	ND	1	61	.9	2	3	74	.87	.112	15	154	2.40	95	.15	8	2.19	.02	.06	1	8	40
L126+00E 104+50N	4	127	6	154	.3	82	20	577	5.06	32	5	ND	1	171	.7	2	2	49	.58	.155	12	75	1.25	115	.24	10	1.53	.03	.07	1	7	80
L126+00E 104+00N	1	262	6	93	.1	115	28	635	5.20	3	5	ND	1	20	1.6	2	7	71	1.93	.089	2	266	2.65	46	.29	7	2.67	.01	.05	2	6	20
L126+00E 103+50N	1	312	7	92	.1	116	31	679	5.43	10	5	ND	1	15	.5	2	5	79	1.78	.090	2	259	2.60	42	.31	9	2.64	.01	.04	1	5	20
L126+00E 103+00N	1	251	8	90	.1	86	30	651	5.50	3	5	ND	1	10	.2	2	2	72	.89	.060	2	212	2.59	34	.24	5	2.82	.01	.06	1	8	30
L126+00E 102+50N	1	263	17	92	.1	107	26	723	4.64	26	5	ND	1	19	.2	2	2	68	.82	.085	3	262	2.64	45	.19	4	2.53	.01	.04	1	8	20
STANDARD C/AU-S	17	60	39	132	7.2	68	29	1023	4.00	38	18	7	36	48	17.4	16	23	55	.52	.093	36	56	.91	174	.07	37	1.93	.06	.14	12	51	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
L126+00E 102+00N	1	250	4	107	.3	99	23	649	4.74	44	5	ND	1	29	.6	2	2	78	.94	.069	5	216	2.34	81	.17	7	2.43	.02	.05	2	29	60
L126+00E 101+50N	1	596	2	127	.2	128	24	585	5.86	62	5	ND	1	44	1.1	3	2	94	1.94	.079	6	246	2.52	113	.14	13	2.55	.02	.04	1	17	80
L126+00E 101+00N	1	592	3	134	.2	142	30	813	6.40	61	5	ND	1	37	1.1	2	2	107	1.70	.053	5	253	2.41	109	.19	7	2.50	.02	.05	1	13	80
L126+00E 100+50N	1	313	3	118	.4	108	25	723	5.28	67	5	ND	1	44	1.0	5	3	91	1.95	.103	6	108	1.73	130	.07	11	1.54	.02	.06	1	21	50
L126+00E 99+50N	4	278	10	133	.4	92	23	559	5.71	172	5	ND	1	36	.3	4	3	112	1.36	.062	6	113	2.38	117	.11	11	2.40	.04	.06	2	32	40
L126+00E 99+00N	2	279	2	117	.3	65	20	564	4.57	125	5	ND	1	54	.6	3	2	85	2.52	.074	6	87	1.66	131	.08	10	1.91	.03	.05	1	34	50
L126+00E 98+50N	3	262	2	151	.3	62	24	923	5.05	124	5	ND	1	51	.9	2	4	88	2.06	.099	7	85	1.81	178	.09	12	2.07	.02	.09	1	11	60
L126+00E 98+00N	3	260	4	139	.3	56	23	883	4.79	119	5	ND	1	55	.2	4	3	82	2.40	.100	7	78	1.66	203	.08	8	1.96	.02	.06	1	19	50
L126+00E 97+50N	2	280	3	127	.1	48	19	685	4.70	115	5	ND	1	45	.2	2	2	80	1.82	.090	7	75	1.58	130	.06	8	1.95	.02	.07	1	26	80
L126+00E 97+00N	2	246	2	125	.3	42	19	816	4.14	90	5	ND	1	55	.4	2	2	73	2.70	.106	6	64	1.44	157	.08	15	1.65	.01	.08	1	30	60
L126+00E 96+50N	1	445	4	135	.3	58	30	1059	6.59	127	5	ND	1	32	2.0	2	2	126	1.39	.085	7	101	2.17	101	.14	7	2.77	.01	.05	1	37	50
L126+00E 96+00N	1	776	11	155	.4	58	36	1141	7.36	227	5	ND	1	30	2.2	2	2	143	1.49	.080	6	116	2.30	99	.18	13	3.04	.01	.05	1	61	30
L126+00E 95+50N	6	368	4	256	.4	65	26	996	6.21	114	5	ND	1	55	2.7	3	2	103	1.91	.113	9	83	1.81	133	.10	9	2.14	.01	.07	1	18	50
L126+00E 95+00N	50	277	14	1335	1.4	178	26	422	7.81	140	5	ND	3	152	4.6	19	2	76	.33	.130	20	21	.27	284	.01	8	.77	.02	.04	1	15	170
L126+00E 94+50N	9	260	2	257	.4	58	24	937	5.88	108	5	ND	1	46	2.6	4	2	90	2.15	.131	11	65	1.63	138	.14	5	1.97	.01	.05	1	28	40
L126+00E 94+00N	12	212	19	391	.8	85	28	1132	6.66	67	5	ND	1	59	3.6	3	2	56	1.57	.164	10	49	1.92	145	.03	11	1.88	.01	.10	1	17	80
L126+00E 93+50N	2	303	11	135	.4	54	28	1057	5.92	38	5	ND	1	36	.9	3	2	107	1.28	.062	8	87	2.25	317	.31	15	2.65	.01	.10	1	15	50
L126+00E 93+00N	5	186	8	210	.4	58	29	1178	6.25	88	5	ND	2	35	.7	5	2	73	.65	.093	14	53	1.64	176	.10	11	2.69	.01	.07	1	26	80
L126+00E 92+50N	5	88	11	173	.3	30	17	685	3.78	52	5	ND	1	50	1.1	2	6	50	1.23	.099	10	44	.93	176	.05	8	1.51	.02	.05	1	12	70
L126+00E 92+00N	3	103	3	121	.2	36	18	656	4.25	31	5	ND	1	73	.4	2	2	65	2.21	.059	9	46	1.42	128	.15	6	2.38	.02	.09	2	2	20
L126+00E 91+50N	14	84	20	284	.7	39	12	525	6.60	62	5	ND	4	81	.8	8	4	27	.19	.099	17	11	.29	294	.01	9	.91	.03	.14	1	5	210
L128+00E 107+00N	2	68	7	139	.1	56	17	649	3.43	24	5	ND	1	78	.9	2	2	53	1.45	.108	5	94	1.27	107	.09	7	1.50	.02	.05	1	3	50
L128+00E 106+50N	1	67	7	116	.2	56	22	1005	4.01	25	5	ND	1	44	1.1	2	3	64	.86	.088	7	99	1.41	183	.10	9	1.88	.01	.07	1	3	30
L128+00E 106+00N	2	67	9	136	.1	54	16	697	3.05	20	5	ND	1	66	.8	2	2	49	1.62	.080	6	82	1.07	121	.08	13	1.29	.02	.07	1	7	50
L128+00E 105+50N	1	62	2	133	.1	44	12	487	2.45	19	5	ND	1	79	2.5	2	7	38	2.30	.089	5	70	.93	81	.06	13	1.01	.02	.06	1	10	60
L128+00E 105+00N	2	82	10	111	.1	64	21	644	4.70	30	5	ND	1	50	.7	2	6	75	.91	.061	8	107	1.62	168	.13	4	2.04	.02	.08	1	1	30
L128+00E 104+50N	1	157	2	100	.2	74	21	531	4.32	21	5	ND	1	27	.8	5	3	71	.84	.097	5	156	1.96	91	.16	10	2.30	.02	.04	1	5	30
L128+00E 104+00N	1	207	5	99	.1	88	25	601	4.88	14	5	ND	1	16	.2	2	3	68	.84	.069	2	216	2.55	48	.17	5	2.66	.01	.04	1	6	20
L128+00E 103+50N	1	197	2	104	.1	101	26	607	4.86	24	5	ND	1	16	.2	2	2	67	.91	.067	2	214	2.54	57	.15	8	2.63	.01	.05	2	3	40
L128+00E 103+00N	1	166	9	116	.1	90	23	647	4.38	35	5	ND	1	22	.7	3	2	67	.83	.080	4	224	2.33	73	.13	9	2.35	.01	.05	1	3	40
L128+00E 102+50N	1	194	2	86	.1	99	21	617	4.10	23	5	ND	1	26	.4	2	3	60	1.13	.094	5	283	2.53	90	.14	7	2.55	.01	.04	1	11	30
L128+00E 102+00N	1	304	5	79	.1	119	21	455	3.98	26	5	ND	1	26	.8	2	3	61	1.00	.077	4	317	2.79	54	.23	15	2.47	.02	.03	1	16	30
L128+00E 101+50N	1	186	7	90	.1	100	18	433	3.47	30	5	ND	1	36	.5	2	3	54	1.72	.073	3	258	2.22	94	.11	9	1.96	.02	.03	1	4	40
L128+00E 101+00N	1	336	5	55	.1	160	24	578	3.13	7	5	ND	1	19	.6	2	7	43	1.69	.074	2	588	3.16	14	.31	10	2.49	.01	.02	1	39	10
L128+00E 100+50N	1	192	8	72	.1	137	19	512	4.09	25	5	ND	1	27	.4	2	2	70	1.03	.042	4	305	2.41	61	.21	7	2.34	.01	.06	1	7	30
L128+00E 99+50N	2	181	12	114	.1	86	23	677	4.44	67	5	ND	1	52	.2	2	2	72	1.69	.078	8	102	1.71	125	.09	11	1.93	.02	.11	1	9	50
STANDARD C/AU-S	17	60	38	133	7.2	68	28	1028	4.06	39	19	7	37	47	18.5	15	18	57	.52	.097	35	59	.92	173	.07	37	1.97	.06	.14	11	52	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
L128+00E 99+00N	1	201	10	85	.1	83	21	689	4.49	17	5	ND	1	28	.4	2	2	74	1.00	.027	5	133	1.82	89	.26	4	2.48	.01	.05	1	1	40
L128+00E 98+50N	1	281	11	118	.1	75	22	771	5.48	37	5	ND	1	28	1.2	2	3	88	.79	.062	7	118	1.75	100	.17	5	2.71	.01	.05	1	12	50
L128+00E 98+00N	2	193	8	140	.2	72	19	573	4.63	101	5	ND	1	41	.8	3	2	83	1.56	.067	6	90	1.85	94	.09	10	1.91	.02	.06	1	11	80
L128+00E 97+50N	2	343	11	138	.3	79	31	1064	6.78	156	5	ND	1	27	2.2	2	5	126	.84	.078	8	112	2.45	109	.15	6	2.81	.01	.07	1	21	50
L128+00E 97+00N	1	333	2	171	.1	116	29	1034	6.55	136	5	ND	1	31	1.4	2	2	120	1.19	.089	8	140	2.58	111	.10	11	2.63	.01	.06	1	16	70
L128+00E 96+50N	2	189	9	196	.2	47	21	818	5.25	71	5	ND	1	34	1.3	2	2	91	.92	.097	8	79	1.52	136	.08	5	2.17	.02	.05	1	7	30
L128+00E 96+00N	3	229	12	158	.1	54	21	831	5.10	66	5	ND	1	41	.9	2	2	87	1.19	.072	9	69	1.41	129	.10	6	2.04	.01	.06	1	7	30
L128+00E 95+50N	4	154	2	178	.2	48	22	818	5.12	52	5	ND	1	44	.6	2	2	79	.92	.089	11	60	1.41	134	.12	4	2.20	.01	.06	1	4	50
L128+00E 95+00N	2	215	10	148	.1	49	20	798	4.74	44	5	ND	1	51	.6	2	6	78	1.74	.089	8	70	1.48	95	.13	8	2.03	.01	.07	1	19	40
L128+00E 94+50N	4	289	17	218	.4	67	28	1111	6.45	113	5	ND	1	39	2.1	2	2	93	.91	.094	9	63	1.96	154	.15	6	2.57	.01	.07	1	11	80
L128+00E 94+00N	16	81	17	208	1.6	29	7	327	3.92	54	5	ND	2	27	1.2	10	2	69	1.25	.072	8	42	1.01	86	.01	6	1.23	.01	.03	1	15	120
L128+00E 93+50N	6	213	13	232	.3	74	33	1250	6.28	152	5	ND	2	34	2.1	2	3	74	.70	.108	17	48	1.46	162	.06	6	2.09	.01	.08	1	11	60
L128+00E 93+00N	5	193	11	233	.2	61	27	1159	5.55	67	5	ND	1	41	2.2	2	2	80	1.15	.111	13	52	1.54	152	.07	2	2.00	.01	.07	1	16	50
L128+00E 92+50N	4	188	10	178	.3	62	31	1288	6.27	97	5	ND	2	37	1.4	2	2	92	1.09	.098	18	57	1.74	182	.07	15	2.57	.01	.09	1	11	50
L128+00E 92+00N	2	258	20	196	.4	81	36	1163	6.92	92	5	ND	2	32	2.1	2	2	120	1.02	.100	13	63	2.11	217	.10	12	2.98	.01	.09	2	30	60
L128+00E 91+50N	2	149	8	141	.2	48	19	742	4.49	25	5	ND	1	52	1.1	2	2	72	1.51	.069	12	54	1.33	200	.09	6	2.10	.02	.06	1	1	40
L128+00E 91+00N	3	150	16	163	.3	51	24	913	5.04	40	5	ND	1	52	.4	2	2	73	1.18	.058	15	51	1.30	300	.08	7	2.35	.02	.06	1	5	50
L130+00E 108+00N	1	210	9	134	.2	106	26	743	4.56	17	5	ND	1	20	1.8	2	2	62	.98	.077	5	177	2.12	67	.11	8	2.36	.01	.06	1	5	40
L130+00E 107+50N	1	101	17	143	.1	65	22	824	4.19	31	5	ND	1	36	.8	2	3	65	.90	.092	6	94	1.57	141	.10	6	2.10	.01	.07	1	3	30
L130+00E 107+00N	1	96	8	134	.1	64	18	521	4.08	18	5	ND	1	34	.4	2	5	64	.88	.097	6	115	1.85	123	.10	5	2.04	.01	.07	1	28	40
L130+00E 106+50N	1	123	9	133	.1	66	28	1012	4.47	32	5	ND	1	42	.8	2	5	71	.99	.108	7	106	1.48	165	.08	4	2.12	.02	.06	1	6	40
L130+00E 106+00N	1	113	11	110	.1	57	17	677	4.34	17	5	ND	1	34	1.1	2	4	71	.95	.083	7	81	1.58	111	.16	4	2.55	.01	.07	1	1	80
L130+00E 105+50N	1	103	12	109	.1	58	15	585	3.99	26	5	ND	1	28	1.3	2	2	62	.80	.079	6	85	1.38	57	.16	4	1.99	.01	.05	1	1	30
L130+00E 105+00N	2	83	8	141	.1	55	17	801	3.67	22	5	ND	1	52	.9	2	2	60	1.27	.092	7	80	1.27	133	.10	7	1.75	.01	.08	1	4	50
L130+00E 104+50N	1	107	12	176	.3	60	21	671	4.80	21	5	ND	1	32	1.1	2	3	74	.89	.047	8	70	1.36	115	.12	10	2.18	.01	.06	1	5	30
L130+00E 104+00N	1	76	10	100	.1	60	16	688	4.72	12	5	ND	2	32	1.4	2	2	73	.95	.044	7	59	1.80	87	.19	10	2.64	.01	.09	1	4	30
L130+00E 103+50N	1	159	6	86	.1	75	19	519	3.91	35	5	ND	1	28	.3	2	2	61	1.42	.085	4	150	1.78	98	.07	8	1.96	.02	.03	1	10	20
L130+00E 103+00N	1	233	2	73	.1	93	20	546	3.52	8	5	ND	1	14	.8	2	2	50	1.01	.042	2	229	2.21	29	.19	2	2.15	.01	.03	1	4	20
L130+00E 102+50N	1	169	7	70	.1	109	21	503	3.43	12	5	ND	1	15	.9	2	2	49	.83	.052	2	360	2.36	31	.16	5	2.26	.01	.04	1	8	20
L130+00E 102+00N	1	191	8	83	.1	99	21	518	3.96	23	5	ND	1	22	.5	2	3	57	1.14	.063	4	254	2.29	60	.12	8	2.30	.01	.05	1	3	30
L130+00E 101+50N	1	366	13	96	.1	106	27	838	4.76	32	5	ND	1	21	1.1	2	3	66	.81	.072	4	269	2.52	69	.17	8	2.50	.01	.06	1	4	10
L130+00E 101+00N	2	174	13	120	.1	84	20	638	4.42	77	5	ND	1	43	1.2	2	4	77	1.60	.075	6	125	1.89	146	.08	6	2.04	.03	.03	1	8	40
L130+00E 100+50N	1	192	8	65	.1	156	22	550	3.17	23	5	ND	1	25	1.0	2	2	46	1.69	.057	2	439	2.51	37	.21	9	2.09	.01	.04	1	27	20
L130+00E 99+50N	1	320	4	48	.1	75	17	501	3.10	9	5	ND	1	12	.6	2	5	56	.96	.054	2	228	1.97	23	.31	4	2.01	.01	.03	1	1	20
L130+00E 99+00N	1	280	7	115	.1	68	21	645	5.21	40	5	ND	1	33	1.5	2	2	87	.90	.054	6	105	1.64	81	.22	3	2.24	.01	.10	1	1	40
L130+00E 98+50N	1	139	2	90	.1	42	20	629	4.59	38	5	ND	1	34	.4	2	3	81	.83	.073	6	80	1.36	141	.12	5	2.16	.02	.05	1	1	20
STANDARD C/AU-S	18	57	36	132	7.1	68	28	1023	3.92	39	21	7	36	48	18.5	15	22	55	.51	.091	37	55	.88	174	.07	35	1.86	.05	.14	13	52	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
L130+00E 98+00N	1	535	10	131	.2	81	28	854	5.64	36	5	ND	1	40	.5	2	2	92	1.17	.064	7	106	2.07	85	.28	4	2.38	.02	.05	1	16	30
L130+00E 97+50N	1	745	15	153	.3	100	33	1056	7.64	32	5	ND	1	39	.4	2	2	114	1.12	.080	7	108	2.55	88	.31	8	2.81	.02	.05	1	21	20
L130+00E 97+00N	1	866	10	143	.3	125	40	1255	9.42	2	5	ND	1	54	.2	4	2	119	2.89	.090	5	130	2.16	92	.27	8	2.51	.01	.09	1	23	110
L130+00E 96+50N	2	96	6	203	.1	40	19	665	3.49	37	5	ND	1	58	1.9	2	2	61	1.55	.084	7	60	1.26	117	.08	5	1.67	.01	.06	1	8	30
L130+00E 96+00N	2	87	9	128	.1	39	22	802	4.41	36	5	ND	1	41	.4	2	2	74	1.03	.057	8	58	1.44	109	.14	6	2.16	.02	.08	3	5	20
L130+00E 95+50N	3	156	15	165	.3	54	25	968	4.92	51	5	ND	1	47	1.1	3	2	75	1.18	.100	10	61	1.65	106	.13	11	2.12	.02	.14	1	8	40
L130+00E 95+00N	4	168	13	214	.4	59	27	1157	4.96	61	5	ND	1	58	2.4	4	2	70	1.60	.108	12	55	1.50	153	.09	6	2.05	.02	.08	1	15	50
L130+00E 94+50N	7	191	14	242	.5	75	33	1403	6.41	124	5	ND	1	59	2.2	6	2	73	2.47	.118	12	56	2.20	150	.10	5	2.15	.01	.07	1	34	80
L130+00E 94+00N	3	145	17	189	.4	56	25	962	5.18	41	5	ND	2	48	1.1	2	2	66	.91	.090	11	52	1.63	133	.15	7	2.31	.01	.07	1	17	50
L130+00E 93+50N	3	105	9	165	.2	44	26	962	4.37	37	5	ND	1	53	.7	2	2	70	1.32	.083	10	57	1.38	196	.10	6	1.97	.02	.09	1	9	40
L130+00E 93+00N	1	144	17	156	.3	66	26	880	5.34	24	5	ND	2	65	.9	4	2	79	1.72	.083	9	66	2.03	108	.19	6	2.85	.02	.12	1	7	60
L130+00E 92+50N	2	350	17	169	.3	54	42	975	6.09	41	5	ND	1	36	.7	5	2	109	1.00	.100	10	64	1.95	142	.16	11	2.51	.02	.09	1	38	40
L130+00E 92+00N	1	457	10	113	.5	58	46	1114	6.91	22	5	ND	1	33	.5	5	2	145	1.34	.051	6	65	2.75	111	.28	10	3.38	.01	.03	1	13	40
L130+00E 91+50N	1	140	8	149	.3	58	25	857	4.52	26	5	ND	1	43	.5	6	2	74	1.08	.072	11	54	1.62	138	.15	8	2.54	.01	.07	1	13	60
L130+00E 91+00N	13	160	17	522	1.4	68	29	1043	5.46	78	5	ND	3	139	5.9	6	2	83	.76	.122	32	25	.76	269	.03	5	1.48	.04	.14	1	7	130
L132+00E 108+00N	1	64	9	178	.2	52	17	600	3.74	22	5	ND	1	55	1.8	2	2	64	1.04	.080	8	76	1.45	117	.12	11	2.09	.02	.06	2	1	40
L132+00E 107+50N	2	66	6	108	.2	46	20	521	3.01	28	5	ND	1	42	.8	2	2	58	.68	.064	5	88	.85	74	.09	11	1.18	.02	.05	1	7	30
L132+00E 107+00N	1	65	7	86	.2	38	12	428	3.40	22	5	ND	1	30	.4	2	2	58	.46	.111	7	91	1.04	88	.07	4	1.70	.01	.05	1	3	40
L132+00E 106+50N	2	76	3	126	.2	48	18	706	3.85	32	5	ND	1	30	.6	2	2	73	.45	.056	5	96	1.16	61	.13	3	1.54	.02	.07	1	3	30
L132+00E 106+00N	1	80	4	125	.1	54	23	1045	3.36	24	5	ND	1	46	.8	2	2	58	.87	.101	7	88	1.21	184	.07	10	1.62	.02	.05	1	8	30
L132+00E 105+50N	1	80	8	119	.1	49	22	877	3.60	16	5	ND	1	36	1.2	2	2	57	.79	.072	6	68	1.31	142	.11	3	2.04	.01	.06	1	3	30
L132+00E 105+00N	1	76	10	121	.2	48	17	713	3.68	25	5	ND	1	41	.8	3	2	64	.64	.074	7	75	1.17	141	.10	7	1.83	.02	.05	1	2	40
L132+00E 104+50N	1	57	7	105	.3	45	18	583	3.16	19	5	ND	1	43	.6	3	2	54	.86	.052	5	64	1.16	73	.11	8	1.57	.02	.08	1	9	20
L132+00E 104+00N	1	64	5	100	.1	45	18	645	3.50	36	5	ND	1	49	.2	2	3	63	.99	.064	7	86	1.35	162	.08	4	1.72	.03	.05	1	5	20
L132+00E 103+50N	1	83	8	100	.1	69	19	530	4.44	35	5	ND	1	41	.5	3	2	72	.89	.038	7	94	1.72	127	.13	3	2.41	.02	.06	1	4	40
L132+00E 103+00N	1	130	8	174	.1	102	23	674	3.69	49	5	ND	1	57	1.1	2	2	62	1.36	.099	7	113	1.74	186	.07	10	1.76	.03	.04	1	7	60
L132+00E 102+50N	1	133	13	155	.1	84	28	828	5.03	74	5	ND	1	35	.9	2	2	82	.69	.086	7	142	2.17	148	.10	2	2.46	.02	.07	1	10	50
L132+00E 102+00N	1	110	3	124	.1	69	19	567	3.71	55	5	ND	1	56	.7	2	2	62	1.44	.092	6	94	1.59	123	.08	6	1.64	.03	.08	1	7	30
L132+00E 101+50N	1	164	9	196	.1	82	20	568	3.10	54	5	ND	1	51	2.1	4	2	52	2.04	.089	5	107	1.60	123	.08	8	1.49	.02	.04	1	13	50
L132+00E 101+00N	1	202	7	107	.1	95	21	520	3.18	36	5	ND	1	36	.7	3	2	51	1.42	.070	4	190	1.90	82	.12	4	1.83	.02	.05	1	8	30
L132+00E 100+50N	1	249	2	78	.1	69	16	387	2.81	19	5	ND	1	33	.2	4	2	48	1.67	.048	4	169	1.71	51	.12	7	1.84	.01	.05	1	15	40
L132+00E 99+50N	1	493	2	75	.1	87	23	545	3.84	8	5	ND	1	18	.2	5	2	62	1.12	.070	2	213	2.25	26	.28	3	2.28	.01	.04	1	12	20
L132+00E 99+00N	1	392	7	105	.1	47	17	509	3.70	33	5	ND	1	39	.2	2	2	60	1.38	.087	6	81	1.39	108	.10	4	1.83	.02	.05	1	11	30
L132+00E 98+50N	2	138	2	108	.2	35	12	463	1.92	20	5	ND	1	71	.6	2	2	32	2.81	.101	4	39	.68	125	.04	18	.86	.02	.09	1	5	50
L132+00E 98+00N	1	130	8	105	.1	43	18	603	3.12	29	5	ND	1	63	.2	3	2	51	1.85	.075	6	61	1.10	118	.08	6	1.42	.02	.08	1	4	30
L132+00E 97+50N	1	314	8	121	.2	56	21	681	4.28	33	5	ND	1	52	.2	2	3	65	1.10	.060	9	70	1.32	102	.11	4	1.88	.02	.07	1	10	50
STANDARD C/AU-S	18	61	40	131	7.3	67	30	1023	3.69	44	17	7	40	53	17.0	15	19	56	.50	.092	37	55	.89	181	.07	36	1.88	.07	.13	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
L132+00E 97+00N	2	114	9	159	.1	41	19	726	3.48	30	5	ND	1	52	.6	2	2	64	1.42	.093	6	60	1.18	124	.09	6	1.52	.02	.12	1	8	50
L132+00E 96+50N	1	144	16	101	.1	42	19	769	4.56	13	5	ND	1	38	.2	2	2	73	1.04	.071	8	50	1.45	95	.20	3	2.48	.01	.10	2	10	40
L132+00E 96+00N	1	146	12	138	.1	52	22	820	4.63	35	5	ND	1	56	.3	2	2	74	1.39	.084	8	61	1.48	120	.15	3	2.16	.02	.14	1	9	40
L132+00E 95+50N	3	138	6	202	.2	49	22	814	3.79	57	5	ND	1	54	1.8	4	2	64	1.83	.099	7	55	1.22	121	.08	11	1.49	.02	.10	1	9	50
L132+00E 95+00N	6	185	11	220	.3	65	27	1157	5.45	78	5	ND	1	35	1.7	5	2	76	.93	.109	11	57	1.72	135	.11	4	1.80	.01	.06	1	6	70
L132+00E 94+50N	2	137	12	151	.2	50	24	862	4.90	24	5	ND	1	45	.6	3	2	70	1.01	.086	8	50	1.46	105	.20	4	2.39	.01	.08	1	6	40
L132+00E 94+00N	2	118	5	155	.1	48	21	741	4.43	24	5	ND	1	45	.7	2	2	74	.91	.090	10	57	1.38	107	.16	3	2.11	.02	.08	2	10	30
L132+00E 93+50N	2	122	16	150	.1	49	24	927	4.90	23	5	ND	1	43	.5	2	2	81	.87	.073	10	66	1.54	210	.15	2	2.57	.02	.08	1	5	50
L132+00E 93+00N	1	86	6	98	.1	42	16	583	4.03	11	5	ND	1	38	.2	2	2	75	1.00	.077	8	53	1.43	100	.20	6	2.24	.02	.06	2	4	50
L132+00E 92+50N	1	113	11	118	.1	50	20	692	4.73	16	5	ND	2	38	.3	2	2	77	.87	.038	10	64	1.58	198	.17	6	2.69	.02	.09	1	6	20
L132+00E 92+00N	1	97	3	163	.2	45	17	638	3.29	14	5	ND	1	59	1.4	2	4	54	1.36	.081	8	61	.99	180	.06	3	1.50	.02	.05	1	6	30
L132+00E 91+50N	1	77	11	114	.1	42	17	633	4.23	16	5	ND	1	44	.4	2	2	72	1.02	.050	7	57	1.43	126	.15	5	2.34	.02	.10	1	2	40
L132+00E 91+00N	1	58	11	100	.1	33	14	485	3.08	12	5	ND	1	56	.2	2	2	56	1.33	.067	7	50	1.05	140	.08	6	1.69	.02	.08	1	6	30
L134+00E 107+00N	1	120	6	317	.2	97	13	454	2.85	14	5	ND	1	107	6.5	3	2	49	2.19	.106	8	85	1.20	107	.07	9	1.52	.02	.05	1	4	70
L134+00E 106+50N	2	65	5	142	.1	49	17	571	3.33	27	5	ND	1	42	1.6	3	2	70	.66	.090	7	95	1.05	137	.09	3	1.53	.02	.07	1	3	20
L134+00E 106+00N	1	78	6	278	.1	63	20	684	3.07	26	5	ND	1	63	9.5	2	2	62	1.29	.114	6	96	1.11	153	.09	4	1.39	.02	.08	1	3	40
L134+00E 105+50N	2	101	6	195	.1	76	26	813	3.86	42	5	ND	1	50	3.1	2	2	72	1.09	.098	6	115	1.49	156	.09	11	1.66	.02	.11	1	4	30
L134+00E 105+00N	1	128	7	247	.1	103	26	752	4.14	47	5	ND	1	39	3.3	2	2	78	.82	.106	8	126	1.58	158	.12	5	1.79	.03	.11	1	6	30
L134+00E 104+50N	1	97	8	219	.1	73	21	545	3.03	48	5	ND	12	23	1.1	8	2	59	.52	.055	9	82	1.12	98	.09	3	1.33	.01	.03	1	7	20
L134+00E 104+00N	1	119	11	246	.1	106	29	850	4.43	52	5	ND	1	35	2.5	4	2	79	.89	.091	7	126	1.70	117	.13	5	1.73	.03	.14	1	14	20
L134+00E 103+50N	1	91	12	160	.1	70	20	713	3.89	29	5	ND	1	39	1.4	2	2	70	.96	.075	7	89	1.47	130	.13	5	1.91	.02	.11	1	5	20
L134+00E 103+00N	2	129	8	129	.2	99	28	717	4.94	78	5	ND	1	42	.2	6	2	87	.79	.086	7	148	2.25	178	.11	10	2.18	.02	.07	1	9	30
L134+00E 102+50N	1	112	5	139	.3	87	28	777	4.38	61	5	ND	1	41	.9	6	2	82	.99	.089	5	120	1.74	122	.12	6	1.79	.02	.16	1	10	20
L134+00E 102+00N	1	125	6	105	.3	91	21	505	3.65	51	5	ND	1	49	.5	5	2	68	1.40	.102	7	113	1.64	151	.08	8	1.69	.03	.06	1	15	40
L134+00E 101+50N	1	95	10	100	.1	67	19	571	4.09	23	5	ND	1	39	.3	3	2	79	.99	.050	5	80	1.47	87	.16	8	1.94	.02	.17	1	8	430
L134+00E 101+00N	1	170	9	147	.2	94	25	768	4.13	47	5	ND	1	43	.6	2	2	77	1.08	.101	7	118	1.62	167	.11	12	1.81	.02	.09	1	12	30
L134+00E 100+50N	1	139	3	142	.1	77	20	593	3.92	43	5	ND	1	33	.7	3	2	73	1.52	.081	5	105	1.42	141	.12	3	1.80	.02	.08	1	8	30
L134+00E 99+50N	1	164	9	125	.2	80	20	658	3.82	21	5	ND	1	47	.2	2	2	64	1.39	.076	7	85	1.40	120	.14	4	1.87	.02	.15	1	9	30
L134+00E 99+00N	1	215	12	178	.2	113	24	708	4.08	33	5	ND	1	40	1.1	4	4	69	1.24	.079	6	105	1.47	100	.13	7	1.77	.02	.13	1	6	40
L134+00E 98+50N	1	283	3	154	.2	143	25	700	4.42	29	5	ND	1	37	.6	6	2	75	1.09	.064	6	119	1.55	104	.18	5	1.85	.02	.15	1	9	30
L134+00E 98+00N	1	303	8	146	.1	149	25	714	4.54	30	5	ND	2	37	.7	6	2	76	1.10	.069	7	117	1.58	119	.19	5	1.89	.02	.14	1	4	40
L134+00E 97+50N	3	221	6	178	.5	76	21	617	4.35	35	5	ND	2	30	1.3	5	2	79	.70	.083	10	73	1.34	129	.17	3	1.80	.01	.06	1	8	90
L134+00E 97+00N	1	290	7	117	.1	152	25	717	4.77	27	5	ND	1	39	.6	3	2	80	1.14	.068	7	169	1.66	104	.23	3	2.07	.03	.18	2	6	40
L134+00E 96+50N	1	135	11	104	.1	61	18	641	3.84	19	5	ND	1	38	.3	2	2	70	1.05	.066	7	74	1.31	103	.15	4	1.87	.02	.13	1	4	50
L134+00E 96+00N	1	164	9	123	.1	58	21	743	4.48	44	5	ND	1	41	.2	2	2	79	.98	.075	10	81	1.47	177	.14	3	2.13	.02	.07	1	8	50
L134+00E 95+50N	7	265	15	999	.3	127	66	2194	5.64	47	5	ND	2	44	11.0	4	2	54	.86	.082	23	56	1.29	146	.11	7	1.93	.01	.05	1	1	60
STANDARD C/AU-S	19	63	39	134	7.2	69	30	1019	3.68	42	19	7	40	49	18.6	15	19	60	.48	.092	37	59	.87	188	.08	33	1.81	.07	.13	11	51	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
L134+00E 95+00N	1	124	9	157	.2	48	22	849	4.72	17	5	ND	1	59	1.2	2	2	70	1.35	.084	8	50	1.62	65	.20	6	2.62	.01	.11	2	3	60
L134+00E 94+50N	1	114	8	120	.2	44	21	781	4.57	15	5	ND	1	52	.4	2	2	79	1.14	.085	9	61	1.56	73	.20	9	2.49	.03	.10	1	7	40
L134+00E 94+00N	1	71	12	96	.1	37	16	664	4.14	13	5	ND	1	48	.9	2	2	72	1.12	.078	9	56	1.43	123	.18	4	2.64	.02	.07	1	5	50
L134+00E 93+50N	1	48	9	111	.2	31	18	621	4.04	25	5	ND	1	48	.5	2	3	74	.97	.066	6	62	1.31	140	.12	5	2.33	.02	.09	1	4	30
L134+00E 93+00N	1	48	7	137	.1	31	21	847	4.02	19	5	ND	1	48	.8	2	2	68	.87	.110	8	62	1.23	143	.08	5	2.16	.02	.09	2	6	50
L134+00E 92+50N	1	31	10	88	.1	23	26	1084	3.53	12	5	ND	1	41	.6	2	2	70	.66	.075	9	65	1.12	203	.09	4	2.11	.02	.05	1	2	50
L134+00E 92+00N	1	41	11	81	.1	23	13	414	3.63	12	5	ND	1	39	.2	2	2	69	.61	.095	8	71	1.18	106	.07	5	2.13	.02	.04	1	3	30
L134+00E 91+50N	1	86	13	99	.2	46	21	698	4.56	15	5	ND	1	50	.8	3	2	75	.92	.074	9	66	1.42	165	.11	5	2.90	.02	.07	3	9	50
L134+00E 91+00N	1	76	11	100	.2	35	24	537	3.60	11	5	ND	1	62	.4	2	2	61	1.18	.076	15	66	1.24	117	.09	5	2.16	.03	.07	1	4	60
L136+00E 108+00N	1	72	4	185	.2	67	22	951	3.55	17	5	ND	1	75	1.6	2	2	60	1.56	.125	8	83	1.48	168	.10	9	1.75	.03	.15	1	2	40
L136+00E 107+50N	1	71	10	262	.1	54	20	881	3.13	17	5	ND	1	85	4.7	2	4	55	1.89	.113	7	72	1.28	165	.09	11	1.56	.03	.10	1	3	50
L136+00E 107+00N	1	83	12	261	.1	80	26	1030	3.57	27	5	ND	1	74	4.0	2	2	57	1.70	.106	6	101	1.67	111	.10	14	1.64	.02	.12	1	3	50
L136+00E 106+50N	1	90	11	354	.3	72	25	997	3.85	24	5	ND	1	62	6.9	2	2	66	1.34	.112	9	100	1.38	155	.11	10	1.91	.03	.11	1	6	30
L136+00E 106+00N	1	64	3	328	.1	48	19	806	2.48	13	5	ND	1	96	8.6	2	2	44	2.43	.116	6	55	.98	104	.08	12	1.23	.02	.11	1	3	150
L136+00E 105+50N	1	68	5	129	.2	50	24	1177	3.65	28	5	ND	1	53	1.6	2	2	68	1.03	.106	7	93	1.24	132	.10	3	1.70	.02	.07	1	6	30
L136+00E 105+00N	2	86	9	132	.1	65	28	1479	3.86	35	5	ND	1	66	1.1	2	2	66	1.30	.119	7	101	1.38	149	.10	6	1.74	.02	.09	1	7	40
L136+00E 104+50N	2	74	8	326	.1	55	18	829	2.73	15	5	ND	1	90	5.5	3	2	46	2.23	.135	6	64	1.18	112	.08	14	1.30	.02	.13	1	4	50
L136+00E 104+00N	1	96	10	124	.3	66	28	1072	3.98	24	5	ND	1	42	2.0	2	2	70	.85	.094	8	101	1.34	126	.12	3	1.85	.03	.08	1	10	40
L136+00E 103+50N	1	80	5	295	.1	55	20	828	2.90	21	5	ND	1	90	6.0	2	2	52	2.46	.121	6	77	1.23	110	.09	17	1.36	.02	.14	1	5	60
L136+00E 103+00N	1	128	11	133	.3	86	26	1098	4.16	43	5	ND	1	62	1.1	3	2	72	1.36	.104	9	103	1.61	265	.12	9	1.91	.03	.13	1	5	60
L136+00E 102+50N	2	115	13	174	.2	78	27	945	4.14	48	5	ND	1	60	1.9	2	5	70	1.34	.112	9	94	1.69	147	.11	10	1.90	.02	.14	2	10	50
L136+00E 102+00N	1	57	11	109	.1	48	18	642	4.17	15	5	ND	3	41	.6	2	2	71	.89	.069	12	67	1.28	121	.15	5	2.36	.02	.08	1	5	20
L136+00E 101+50N	1	106	8	115	.2	75	23	825	4.17	30	5	ND	1	60	.8	4	2	71	1.40	.090	8	93	1.53	126	.15	8	1.98	.02	.17	1	4	40
L136+00E 101+00N	1	131	9	136	.3	87	23	595	4.51	33	5	ND	1	50	1.0	2	2	77	1.29	.088	8	109	1.65	81	.15	7	1.98	.03	.14	1	8	30
L136+00E 100+50N	1	173	3	180	.1	70	18	596	2.96	20	5	ND	1	65	1.1	2	2	52	3.57	.112	5	80	1.33	135	.09	15	1.41	.02	.06	1	7	70
L136+00E 99+50N	1	125	9	239	.1	99	23	755	3.73	19	5	ND	1	57	3.3	3	2	63	1.69	.099	7	94	1.35	98	.14	17	1.74	.02	.17	1	6	40
L136+00E 99+00N	1	130	2	167	.2	97	21	696	3.77	19	5	ND	1	62	1.3	4	3	64	1.66	.096	7	87	1.45	84	.15	17	1.77	.02	.17	1	5	50
L136+00E 98+50N	1	135	14	111	.1	136	21	666	4.34	17	5	ND	2	44	.4	2	2	70	1.00	.082	12	96	1.64	100	.16	5	2.36	.02	.19	1	4	30
L136+00E 98+00N	1	296	10	119	.2	263	31	766	5.03	21	5	ND	1	66	.8	3	2	79	1.99	.087	10	179	2.17	125	.19	7	2.33	.05	.16	1	9	40
L136+00E 97+50N	1	1106	4	167	.3	155	42	1233	12.23	2	5	ND	1	26	.2	6	2	177	1.66	.043	2	152	3.50	72	1.00	6	3.95	.01	.12	2	24	100
L136+00E 97+00N	3	453	11	209	.3	100	29	1167	6.70	48	5	ND	1	49	2.2	5	2	88	1.57	.094	9	123	2.07	139	.30	8	2.26	.01	.07	1	17	80
L136+00E 96+50N	1	160	9	131	.2	57	22	845	4.81	14	5	ND	1	65	.6	3	2	77	1.69	.096	9	67	1.72	81	.21	8	2.71	.02	.12	1	6	40
L136+00E 96+00N	1	108	5	117	.2	50	20	782	4.91	14	5	ND	1	103	.8	4	2	75	2.91	.078	8	62	1.68	101	.23	8	2.84	.03	.16	1	2	40
L136+00E 95+50N	1	99	10	100	.1	46	19	753	4.71	11	5	ND	2	56	.3	5	2	83	1.18	.076	10	66	1.61	119	.25	8	2.80	.04	.09	1	10	40
L136+00E 95+00N	1	63	10	242	.2	38	23	1333	3.85	25	5	ND	1	62	1.5	2	2	69	1.14	.140	11	76	1.14	216	.07	5	1.99	.03	.06	1	5	20
L136+00E 94+50N	1	59	7	227	.1	34	22	1280	3.40	13	5	ND	1	76	4.4	3	2	59	1.57	.126	8	61	1.19	160	.08	16	1.71	.03	.08	1	4	50
STANDARD C/AU-S	17	58	39	130	7.2	70	31	1022	3.67	36	18	7	37	52	18.6	15	19	54	.50	.095	37	58	.88	180	.07	35	1.87	.06	.14	11	48	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
L136+00E 94+00N	1	34	5	72	.2	22	9	294	3.08	9	5	ND	1	44	.3	2	3	67	.74	.123	9	67	1.15	118	.07	5	2.07	.02	.05	1	1	30
L136+00E 93+50N	1	36	7	80	.2	25	17	733	3.67	21	5	ND	1	47	.2	2	2	84	.73	.084	9	73	1.17	199	.08	3	2.22	.03	.04	1	1	40
L136+00E 93+00N	1	48	11	126	.2	33	19	717	4.00	14	5	ND	1	54	.5	2	2	72	1.14	.071	8	59	1.35	123	.14	6	2.42	.02	.10	1	12	30
L136+00E 92+50N	1	52	8	147	.3	30	18	745	3.02	19	5	ND	1	85	.8	3	2	60	1.83	.106	8	69	1.03	139	.07	6	1.52	.03	.07	1	17	40
L136+00E 92+00N	2	57	12	166	.1	29	12	580	2.19	7	5	ND	1	98	1.7	2	5	37	2.47	.110	6	37	.81	134	.06	8	1.14	.02	.08	6	7	50
L136+00E 91+50N	1	76	8	123	.3	38	19	751	3.70	16	5	ND	1	88	.5	2	2	65	1.81	.098	10	59	1.30	163	.10	6	2.16	.03	.10	2	4	30
L136+00E 91+00N	1	56	9	105	.2	31	15	603	3.51	12	5	ND	1	69	.4	2	2	66	1.34	.096	8	63	1.22	138	.08	7	2.03	.03	.09	1	3	40
L138+00E 99+50N	1	77	10	119	.2	76	20	665	3.51	14	5	ND	1	53	1.0	2	2	65	1.30	.093	8	78	1.36	90	.15	7	1.82	.02	.14	1	5	10
L138+00E 99+00N	1	91	5	108	.2	82	19	705	3.65	12	5	ND	1	49	.4	2	5	65	1.23	.084	10	78	1.40	100	.15	9	1.87	.02	.15	1	4	50
L138+00E 98+50N	1	141	8	116	.3	96	22	790	4.63	19	5	ND	3	53	.3	2	2	77	1.20	.081	12	76	1.66	125	.20	6	2.76	.03	.15	2	4	60
L138+00E 98+00N	2	178	12	158	.3	83	26	1028	5.22	36	5	ND	1	41	.6	2	2	78	.95	.103	10	130	1.78	90	.21	5	2.23	.02	.09	1	9	60
L138+00E 97+50N	1	201	4	94	.2	135	26	671	4.21	8	5	ND	1	66	.4	4	5	71	2.52	.080	6	293	2.29	65	.33	6	2.59	.04	.11	1	1	20
L138+00E 97+00N	1	118	8	106	.2	54	21	748	4.39	15	5	ND	1	65	.3	4	2	75	1.53	.075	9	66	1.59	70	.19	6	2.41	.02	.14	1	2	40
L138+00E 96+50N	1	130	7	124	.3	49	23	794	5.08	14	5	ND	2	71	.4	3	4	85	1.66	.085	9	65	1.75	87	.23	4	3.19	.04	.14	1	1	50
L138+00E 96+00N	1	63	10	114	.1	41	19	722	4.97	15	5	ND	2	49	.2	2	2	82	1.05	.061	9	61	1.63	108	.21	11	3.34	.03	.11	1	1	30
L138+00E 95+50N	1	80	11	92	.2	45	16	696	4.32	12	5	ND	2	52	.4	3	3	77	1.28	.077	9	58	1.64	75	.23	4	3.03	.04	.15	1	3	20
L138+00E 95+00N	1	111	14	117	.2	51	21	758	4.55	14	5	ND	1	92	.4	3	2	77	2.51	.086	9	62	1.64	88	.21	5	2.91	.03	.16	1	1	30
L138+00E 94+50N	1	47	5	183	.2	30	28	1203	3.45	18	5	ND	1	73	1.2	2	2	66	1.46	.127	8	71	1.18	168	.09	3	1.75	.03	.08	1	1	50
L138+00E 94+00N	1	48	11	225	.1	30	19	1018	3.02	15	5	ND	1	83	1.7	2	2	57	1.81	.100	8	61	1.12	125	.10	10	1.55	.03	.11	1	1	60
L138+00E 93+50N	1	60	9	192	.1	35	24	903	4.00	22	5	ND	1	58	2.7	2	2	73	1.13	.104	8	60	1.20	151	.12	2	1.95	.02	.10	1	1	40
L138+00E 93+00N	1	73	11	119	.1	42	20	844	3.53	22	5	ND	1	86	.7	4	2	62	1.94	.098	10	65	1.15	116	.10	7	1.75	.03	.10	1	2	40
L138+00E 92+50N	1	95	10	131	.1	48	21	761	4.33	18	5	ND	2	65	.4	2	2	70	1.30	.087	10	61	1.52	97	.17	5	2.39	.02	.17	1	3	30
L138+00E 92+00N	1	71	11	143	.2	39	26	948	4.02	31	5	ND	1	59	.9	2	2	65	1.09	.101	10	63	1.30	134	.10	6	1.97	.02	.12	1	3	50
L138+00E 91+50N	1	118	12	151	.2	52	33	1265	4.37	30	5	ND	3	63	.6	3	2	64	1.20	.098	16	58	1.36	132	.12	8	2.31	.02	.14	1	1	30
L138+00E 91+00N	1	54	6	82	.2	35	18	531	3.44	13	5	ND	1	71	.4	3	2	66	1.38	.091	8	82	1.23	88	.10	6	1.69	.03	.09	1	2	30
L142+00E 99+50N	1	84	8	144	.3	45	20	677	4.13	17	5	ND	1	70	1.2	5	2	69	1.57	.099	9	55	1.51	66	.15	9	2.19	.02	.12	1	2	40
L142+00E 99+00N	1	74	13	107	.1	44	20	683	4.22	20	5	ND	1	62	.7	2	2	71	1.34	.078	9	61	1.48	67	.16	12	2.19	.02	.14	2	3	20
L142+00E 98+50N	1	79	13	139	.1	41	22	803	4.30	24	5	ND	1	68	.7	2	2	72	1.45	.094	9	58	1.51	82	.15	11	2.29	.02	.13	1	1	30
L142+00E 98+00N	1	76	12	138	.4	38	22	784	4.10	19	5	ND	1	59	1.4	2	2	70	1.29	.101	9	58	1.35	87	.14	4	2.11	.02	.11	1	1	20
L142+00E 97+50N	1	72	10	136	.3	35	17	615	3.68	10	5	ND	1	72	.6	2	2	64	1.67	.111	8	46	1.35	65	.14	9	2.05	.02	.12	1	3	40
L142+00E 97+00N	1	81	17	124	.2	41	19	662	4.15	17	5	ND	2	74	.4	3	3	68	1.65	.100	8	49	1.54	52	.17	11	2.34	.02	.13	1	1	30
L142+00E 96+50N	1	76	11	127	.2	40	18	613	4.14	15	5	ND	2	56	.4	4	2	67	1.28	.085	8	45	1.55	44	.18	13	2.39	.02	.10	1	1	20
L142+00E 96+00N	1	44	2	56	.3	21	11	325	2.03	20	5	ND	2	48	.7	10	2	37	1.26	.047	6	29	.82	30	.10	4	1.18	.02	.06	1	2	40
L142+00E 95+50N	1	94	17	126	.2	43	21	693	4.61	11	5	ND	2	98	.3	2	5	70	2.44	.099	9	50	1.66	55	.18	9	2.60	.02	.14	1	1	30
L142+00E 95+00N	1	101	15	139	.1	45	22	752	4.95	14	5	ND	2	78	.4	3	5	75	1.72	.092	10	52	1.72	58	.20	10	2.97	.03	.14	1	3	30
L142+00E 94+50N	1	99	16	122	.3	39	19	695	4.63	13	5	ND	2	104	.4	3	7	68	2.42	.086	9	46	1.55	66	.20	7	2.58	.04	.13	1	1	20
L142+00E 94+00N	1	72	8	92	.3	28	14	539	3.89	9	5	ND	2	116	.9	2	2	64	3.23	.079	8	40	1.40	47	.18	11	2.12	.03	.11	1	1	30
STANDARD C/AU-S	17	58	37	130	7.2	68	31	1029	3.67	38	18	7	39	53	18.4	15	19	55	.51	.097	37	58	.89	182	.07	35	1.85	.06	.14	11	48	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
L146+00E 99+50N	1	104	13	156	.1	47	27	1030	3.82	13	5	ND	1	60	.5	3	3	58	1.17	.082	7	65	1.34	127	.11	6	2.01	.02	.11	1	5	30
L146+00E 99+00N	1	55	7	108	.1	29	32	1265	3.65	23	5	ND	1	46	.3	2	4	70	.73	.089	8	72	1.13	214	.09	2	2.17	.02	.04	1	8	40
L146+00E 98+50N	1	45	7	147	.1	27	18	861	3.36	15	5	ND	1	60	1.5	2	2	61	1.19	.072	7	59	1.08	102	.12	3	1.73	.02	.09	1	10	40
L146+00E 98+00N	1	82	7	118	.1	54	23	642	4.67	15	5	ND	1	40	.2	2	2	77	.93	.053	7	77	1.63	70	.20	4	2.52	.01	.08	1	7	30
L146+00E 97+50N	1	77	17	110	.1	35	23	779	3.99	13	5	ND	1	64	.2	2	5	67	1.20	.093	10	70	1.25	198	.10	7	2.25	.02	.07	2	4	50
L146+00E 97+00N	1	261	13	165	.2	114	30	960	5.92	29	5	ND	1	40	.3	5	2	73	.91	.079	10	99	1.91	108	.20	7	2.16	.02	.08	1	10	100
L146+00E 96+50N	1	168	7	124	.2	69	20	702	4.68	20	5	ND	1	38	.2	4	2	73	1.03	.055	9	71	1.57	92	.21	6	2.56	.02	.08	1	7	50
L146+00E 96+00N	1	84	2	120	.2	44	18	577	4.07	17	5	ND	1	62	.2	2	2	68	1.28	.081	8	62	1.37	123	.13	6	2.21	.02	.09	1	5	40
L146+00E 95+50N	1	54	11	85	.1	29	17	587	3.91	13	5	ND	1	53	.2	2	2	74	.99	.040	7	62	1.25	151	.13	5	2.29	.02	.07	2	3	30
L146+00E 95+00N	1	47	11	88	.1	45	15	495	3.82	14	5	ND	1	47	.2	2	2	62	1.07	.031	4	58	1.46	139	.14	4	2.26	.01	.07	1	3	40
L146+00E 94+50N	1	84	3	119	.1	48	19	569	3.76	14	5	ND	1	80	.2	2	2	58	1.68	.090	8	60	1.30	170	.11	9	1.87	.02	.09	1	10	40
L146+00E 94+00N	2	88	11	136	.2	47	21	707	4.23	11	5	ND	1	60	.2	2	3	57	1.26	.086	9	54	1.36	121	.13	11	2.08	.02	.15	1	5	30
L146+00E 93+50N	1	173	10	151	.1	245	35	810	6.41	14	5	ND	1	61	.4	2	2	105	1.75	.083	6	175	4.77	134	.21	12	2.91	.02	.10	2	5	40
L146+00E 93+00N	8	182	15	330	.6	85	30	812	6.04	21	5	ND	1	62	2.7	5	2	75	.76	.079	14	116	2.14	298	.14	10	2.31	.02	.08	1	14	50
L146+00E 92+50N	2	320	16	276	.3	122	47	1185	9.38	11	5	ND	1	91	1.4	7	2	118	1.87	.144	8	152	2.65	619	.32	5	3.00	.02	.17	1	3	40
L146+00E 92+00N	4	351	10	512	.5	123	47	1933	7.57	18	5	ND	1	84	1.9	8	2	96	1.70	.089	8	118	2.29	189	.22	7	2.83	.02	.11	1	7	50
L146+00E 91+50N	1	851	5	338	.1	165	70	1967	11.33	2	5	ND	1	75	.9	3	2	141	2.27	.172	5	189	2.95	802	.42	9	3.19	.02	.21	1	7	30
L146+00E 91+00N	2	95	12	143	.2	39	24	933	4.87	6	5	ND	2	51	.2	2	2	44	.86	.089	12	33	1.34	133	.05	13	2.39	.01	.10	2	2	80
L146+00E 90+50N	1	112	14	150	.1	52	26	718	4.98	19	5	ND	1	76	.3	2	2	49	1.15	.083	9	52	1.12	86	.08	3	1.89	.02	.09	1	5	40
L146+00E 90+00N	1	66	2	83	.1	33	14	396	3.18	8	5	ND	1	71	.2	2	2	49	1.75	.057	8	43	1.00	50	.11	10	1.59	.02	.07	1	10	30
L148+00E 99+50N	1	49	6	94	.2	31	21	811	2.98	15	5	ND	1	68	.4	2	2	54	1.27	.097	8	54	.98	163	.08	9	1.56	.02	.07	1	3	40
L148+00E 99+00N	1	53	7	100	.1	35	23	754	3.62	13	5	ND	1	71	.2	2	2	64	1.29	.061	8	61	1.13	144	.12	8	1.79	.03	.08	1	1	30
L148+00E 98+50N	1	59	9	124	.2	40	22	683	4.19	18	5	ND	1	49	.5	2	2	77	.91	.053	9	69	1.24	135	.14	4	2.40	.02	.06	1	5	30
L148+00E 98+00N	1	60	8	218	.2	41	24	1324	2.86	13	5	ND	1	100	1.1	2	2	48	1.86	.125	7	47	.96	359	.07	8	1.51	.02	.08	1	2	80
L148+00E 97+50N	1	146	4	216	.2	40	20	702	3.83	16	5	ND	1	54	.7	4	2	71	1.25	.093	7	74	1.26	110	.13	6	1.99	.01	.10	1	4	40
L148+00E 97+00N	1	50	4	226	.2	33	22	859	3.36	10	5	ND	1	65	1.7	2	2	60	1.23	.101	8	60	1.10	151	.09	6	1.76	.02	.07	1	1	40
L148+00E 96+50N	1	73	11	257	.2	59	40	2139	4.02	16	5	ND	1	55	1.4	2	2	60	1.04	.107	10	68	1.22	209	.10	7	2.10	.02	.08	1	6	30
L148+00E 96+00N	2	55	10	132	.3	39	26	1107	3.53	14	5	ND	1	64	.5	3	2	57	1.21	.116	8	64	1.12	147	.07	5	1.75	.02	.08	1	2	30
L148+00E 95+50N	2	58	12	102	.2	51	23	757	3.51	12	5	ND	1	66	.2	2	2	56	1.28	.110	8	73	1.23	116	.08	6	1.73	.02	.09	1	3	40
L148+00E 95+00N	1	57	4	111	.1	288	29	547	3.10	10	5	ND	1	65	.6	4	2	42	1.53	.064	6	210	3.44	149	.07	23	1.31	.02	.06	1	3	30
L148+00E 94+50N	2	82	3	197	.2	281	22	540	3.16	11	5	ND	1	70	2.6	4	2	43	1.57	.081	7	185	3.14	162	.06	25	1.30	.02	.08	1	3	60
L148+00E 94+00N	4	71	12	133	.2	48	16	580	3.96	17	5	ND	1	58	.3	2	2	58	1.01	.067	9	63	1.27	275	.09	6	1.89	.02	.06	1	8	50
L148+00E 93+50N	3	113	10	168	.4	52	21	705	4.25	15	5	ND	1	73	.3	3	2	63	1.52	.059	9	85	1.44	256	.12	10	1.96	.02	.09	1	1	50
L148+00E 93+00N	5	106	8	218	.3	49	19	594	3.97	15	5	ND	1	79	1.0	3	2	55	1.53	.083	10	64	1.26	226	.10	9	1.72	.02	.08	1	7	60
L148+00E 92+50N	1	71	13	118	.3	39	20	663	4.00	10	5	ND	2	53	.2	3	2	67	1.07	.040	9	49	1.31	123	.17	7	2.26	.02	.08	2	2	40
STANDARD C/AU-S	17	58	38	133	7.2	71	31	1014	3.68	41	16	6	38	53	18.9	15	18	55	.49	.096	38	59	.87	183	.07	34	1.83	.06	.14	12	52	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
L148+00E 92+00N	1	80	5	94	.1	40	21	702	4.46	9	5	ND	1	66	.3	2	2	75	1.50	.074	9	43	1.52	70	.20	6	2.44	.02	.11	1	2	40
L148+00E 91+50N	1	70	9	108	.1	38	22	739	5.11	7	5	ND	1	53	.2	2	2	68	1.10	.055	8	41	1.40	117	.15	7	2.72	.01	.07	1	6	20
L148+00E 91+00N	3	221	27	203	.3	78	71	1635	7.04	32	5	ND	3	52	.2	5	2	47	.51	.111	21	31	1.29	225	.09	7	2.24	.01	.07	1	4	90
L148+00E 90+50N	2	140	13	156	.2	56	43	997	6.17	16	5	ND	2	59	.2	3	2	54	.99	.107	13	35	1.30	68	.15	20	2.34	.02	.08	1	3	70
L148+00E 90+00N	1	144	18	156	.1	56	47	994	6.35	26	5	ND	2	84	.2	2	2	56	1.66	.069	15	27	1.39	58	.02	7	2.34	.01	.06	1	3	120
L150+00E 99+50N	1	46	5	77	.1	32	24	676	3.95	20	5	ND	1	49	.2	2	2	74	.92	.084	8	64	1.24	135	.12	9	2.14	.02	.07	1	6	30
L150+00E 99+00N	1	67	9	76	.1	39	22	591	4.00	17	5	ND	1	44	.2	3	2	74	.85	.063	8	64	1.19	134	.12	8	2.13	.02	.06	1	1	20
L150+00E 98+50N	1	73	4	78	.2	35	21	568	3.70	14	5	ND	1	56	.4	2	2	67	.96	.048	6	63	1.13	146	.12	12	1.79	.02	.08	1	1	30
L150+00E 98+00N	1	76	10	81	.1	42	21	593	3.81	15	5	ND	1	66	.2	3	2	67	1.39	.071	8	63	1.23	108	.13	10	1.86	.02	.08	1	8	20
L150+00E 97+50N	1	81	9	93	.1	50	22	506	4.34	9	5	ND	1	47	.2	2	2	80	1.02	.044	6	80	1.38	62	.19	14	2.23	.02	.08	1	4	30
L150+00E 97+00N	1	52	11	75	.1	32	22	631	3.69	16	5	ND	1	48	.2	2	2	70	.96	.068	9	59	1.17	132	.12	8	2.16	.02	.08	1	4	20
L150+00E 96+50N	2	56	2	130	.1	35	23	888	3.35	12	5	ND	1	63	1.0	2	2	59	1.48	.105	7	56	1.13	121	.09	7	1.79	.02	.08	1	4	50
L150+00E 96+00N	1	71	12	133	.1	38	24	698	3.81	15	5	ND	1	50	.2	2	2	67	1.08	.085	10	61	1.19	129	.10	10	2.01	.02	.08	1	1	20
L150+00E 95+50N	1	75	10	443	.2	53	29	1063	3.53	10	5	ND	1	55	3.3	2	2	58	1.30	.117	8	65	1.27	121	.11	10	1.82	.02	.09	1	4	30
L150+00E 95+00N	1	59	4	171	.3	36	20	667	3.68	13	5	ND	1	49	.4	2	2	63	1.04	.094	7	55	1.30	96	.10	11	2.03	.02	.11	1	1	40
L150+00E 94+50N	2	68	8	136	.2	51	25	825	3.76	17	5	ND	1	56	.4	3	2	64	1.14	.088	7	72	1.26	123	.12	10	1.78	.02	.09	1	1	40
L150+00E 94+00N	2	59	12	170	.3	43	23	787	3.67	10	5	ND	1	67	.6	2	2	59	1.28	.089	7	61	1.26	135	.09	7	1.82	.02	.09	1	4	30
L150+00E 93+50N	1	52	7	155	.2	33	16	521	2.99	8	5	ND	1	77	.5	2	2	50	1.55	.111	7	48	1.08	127	.08	7	1.75	.01	.08	2	5	40
L150+00E 93+00N	1	48	13	135	.1	32	19	642	3.73	6	5	ND	1	49	.3	2	2	60	1.14	.082	7	41	1.29	61	.14	7	2.00	.01	.09	1	2	30
L150+00E 92+50N	1	69	9	115	.2	35	25	791	3.69	11	5	ND	1	62	.2	2	2	56	1.30	.111	10	47	1.12	122	.09	10	2.06	.02	.09	1	1	40
L150+00E 92+00N	2	67	9	195	.1	35	23	903	3.43	9	5	ND	1	90	.9	2	2	51	1.93	.116	7	46	1.05	98	.09	10	1.69	.02	.10	1	5	40
L150+00E 91+50N	1	65	10	124	.1	36	28	765	3.86	10	5	ND	1	62	.2	2	2	57	1.34	.095	7	43	1.12	68	.10	8	1.83	.01	.09	1	1	30
L150+00E 91+00N	1	89	8	118	.1	40	26	696	3.67	4	5	ND	1	92	.2	2	2	49	2.34	.092	8	38	1.04	102	.09	10	1.83	.02	.10	1	4	50
L150+00E 90+50N	1	76	6	121	.1	36	27	726	4.27	9	5	ND	1	64	.2	2	3	52	1.36	.082	9	37	1.17	74	.10	9	2.06	.01	.10	1	4	40
L150+00E 90+00N	1	97	14	125	.1	45	33	979	5.31	13	5	ND	1	53	.2	2	2	60	.98	.099	11	40	1.29	96	.12	14	2.44	.02	.11	2	2	40
L152+00E 99+50N	1	97	5	91	.2	54	23	696	4.01	17	5	ND	1	60	.2	2	2	69	1.28	.081	9	73	1.46	81	.15	8	2.06	.02	.13	1	7	30
L152+00E 99+00N	1	60	5	95	.2	44	21	720	3.45	15	5	ND	1	64	.3	2	4	57	1.57	.126	7	64	1.27	92	.09	16	1.85	.02	.14	1	1	50
L152+00E 98+50N	1	47	9	80	.1	45	22	643	4.21	17	5	ND	1	55	.2	2	2	75	1.21	.062	6	73	1.31	74	.16	9	1.99	.02	.11	1	4	30
L152+00E 98+00N	1	53	6	81	.2	49	21	545	4.52	19	5	ND	1	46	.2	2	2	83	.96	.038	6	76	1.35	62	.21	8	2.17	.02	.16	1	2	20
L152+00E 97+50N	1	76	2	85	.1	50	23	654	4.19	17	5	ND	1	65	.2	2	2	73	1.31	.076	6	89	1.42	61	.15	4	1.94	.02	.11	1	25	60
L152+00E 97+00N	1	148	6	78	.1	50	22	599	4.48	17	5	ND	1	47	.2	2	2	80	.99	.051	7	79	1.40	60	.22	6	2.15	.02	.13	1	7	30
L152+00E 96+50N	1	102	3	78	.1	75	27	683	4.33	4	5	ND	1	38	.2	2	2	78	1.27	.048	4	179	1.85	46	.28	10	2.30	.02	.10	1	2	30
L152+00E 96+00N	1	63	9	92	.1	50	24	659	4.66	21	5	ND	1	49	.2	2	2	80	1.07	.044	6	72	1.41	77	.18	9	2.13	.02	.12	1	3	20
L152+00E 95+50N	1	71	8	130	.2	47	25	1040	3.83	11	5	ND	1	47	.6	2	3	65	.95	.107	8	62	1.16	137	.12	7	1.97	.02	.09	1	1	30
L152+00E 95+00N	1	62	14	117	.4	45	27	893	3.90	10	5	ND	1	42	.5	2	5	64	.78	.090	9	62	1.15	94	.13	10	1.94	.02	.10	1	3	40
L152+00E 94+50N	1	62	7	124	.1	38	23	991	3.65	11	5	ND	1	47	.2	2	2	62	.82	.112	8	55	1.06	137	.11	5	1.86	.02	.08	1	4	20
STANDARD C/AU-S	17	58	36	134	7.3	67	31	1061	3.75	43	21	6	40	52	18.3	15	21	55	.48	.096	36	56	.86	182	.07	38	1.81	.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
L156+00E 95+50N	1	116	15	161	.2	59	27	996	4.75	29	5	ND	1	61	.9	3	2	69	1.27	.115	11	60	1.22	126	.11	4	2.30	.02	.11	1	20	50
L156+00E 95+00N	1	101	11	130	.1	43	24	744	4.90	17	5	ND	1	49	.7	2	3	64	1.12	.052	14	48	1.26	93	.11	8	2.74	.02	.09	1	4	40
L156+00E 94+50N	1	67	6	104	.1	47	23	622	4.03	12	5	ND	2	46	.7	3	3	73	.97	.066	9	71	1.24	183	.14	5	2.52	.03	.07	1	18	20
L156+00E 94+00N	1	99	18	89	.1	50	23	760	4.34	11	5	ND	2	45	.8	2	3	70	.92	.054	10	69	1.32	156	.15	5	2.40	.02	.08	1	4	20
L156+00E 93+50N	1	312	6	74	.1	98	20	508	2.98	11	5	ND	1	150	.3	2	5	49	5.84	.058	6	221	1.87	70	.14	8	1.70	.02	.09	1	1	60
L156+00E 93+00N	1	101	12	79	.1	57	21	636	3.59	14	5	ND	1	67	.2	3	5	61	1.88	.087	9	120	1.41	80	.15	6	2.01	.02	.08	1	11	30
L156+00E 92+50N	1	191	10	71	.3	208	28	573	3.52	10	5	ND	1	34	.7	5	3	55	1.66	.075	5	577	2.88	39	.18	13	2.52	.01	.05	1	5	20
L156+00E 92+00N	1	134	11	108	.1	61	24	820	4.23	14	5	ND	1	57	.8	3	2	69	1.45	.086	11	93	1.58	84	.13	8	2.19	.02	.10	1	9	30
L156+00E 91+50N	1	83	7	199	.2	44	23	798	3.74	12	5	ND	1	65	1.5	2	3	56	1.42	.093	9	55	1.19	88	.11	5	1.88	.03	.12	1	9	20
L156+00E 91+00N	1	80	15	101	.1	41	24	636	3.56	11	5	ND	1	78	.6	2	2	55	1.76	.093	9	50	1.14	77	.11	10	1.87	.02	.12	1	6	40
L156+00E 90+50N	1	72	14	97	.1	45	21	627	4.41	14	5	ND	1	59	.5	4	2	71	1.23	.043	11	52	1.46	75	.17	6	2.83	.02	.12	1	6	20
L156+00E 90+00N	1	90	15	318	.1	46	26	813	4.06	12	5	ND	1	64	2.7	3	2	56	1.58	.105	8	48	1.27	92	.12	11	2.11	.02	.16	1	6	30
L158+00E 99+50N	1	119	10	99	.1	65	22	671	4.01	13	5	ND	1	65	.7	4	5	66	1.70	.085	9	107	1.63	115	.15	8	2.10	.03	.15	1	14	30
L158+00E 99+00N	1	232	7	84	.1	96	23	669	4.54	10	5	ND	1	76	.5	4	9	79	3.06	.075	5	195	2.22	50	.28	8	2.49	.02	.14	1	4	40
L158+00E 98+50N	1	30	9	68	.1	51	18	450	3.99	15	5	ND	1	35	.4	2	2	73	.75	.042	7	80	1.23	54	.18	5	2.01	.03	.09	1	6	10
L158+00E 98+00N	1	351	9	93	.1	67	19	597	3.86	9	5	ND	1	61	.5	2	4	67	1.61	.079	7	115	1.62	89	.19	6	2.25	.02	.09	1	3	70
L158+00E 97+50N	1	187	5	109	.1	58	18	641	3.89	18	5	ND	1	58	.9	2	2	60	1.59	.066	10	62	1.20	69	.13	13	1.85	.02	.07	1	9	40
L158+00E 97+00N	1	80	15	88	.1	166	19	550	3.63	9	5	ND	1	60	.8	4	2	61	1.50	.059	9	70	1.24	111	.14	11	1.92	.03	.09	1	10	30
L158+00E 96+50N	1	197	12	119	.1	218	19	630	3.94	16	5	ND	1	46	.7	2	2	58	1.13	.078	9	56	1.30	72	.13	6	2.16	.01	.06	1	10	60
L158+00E 96+00N	1	78	16	130	.2	37	21	705	4.46	9	5	ND	1	58	.6	2	2	57	1.69	.077	7	42	1.37	48	.16	14	2.53	.02	.16	2	9	50
L158+00E 95+50N	1	77	16	112	.1	34	25	809	4.74	13	5	ND	1	47	.6	3	6	58	1.41	.072	7	41	1.35	44	.18	9	2.86	.01	.13	1	4	30
L158+00E 95+00N	1	78	9	124	.1	36	20	729	4.77	11	5	ND	1	49	.2	3	3	59	1.39	.094	7	42	1.41	54	.17	8	2.97	.01	.10	1	1	40
L158+00E 94+50N	1	73	15	123	.1	38	20	761	4.51	12	5	ND	1	61	.8	3	3	57	1.61	.096	8	44	1.35	68	.13	8	2.56	.02	.11	1	1	40
L158+00E 94+00N	1	66	8	89	.1	38	20	650	3.74	13	5	ND	1	75	.7	2	2	55	1.78	.090	8	47	1.22	64	.12	5	1.99	.02	.16	1	2	30
L158+00E 93+50N	1	64	2	103	.1	33	19	675	3.90	10	5	ND	1	61	.7	2	4	52	1.65	.085	6	39	1.23	49	.13	6	2.09	.01	.16	1	1	40
L158+00E 93+00N	1	67	11	112	.1	34	23	800	4.25	12	5	ND	1	52	.2	4	2	57	1.26	.098	8	42	1.27	68	.12	7	2.24	.01	.11	1	1	30
L158+00E 92+50N	1	74	7	98	.2	37	20	626	3.28	12	5	ND	1	84	.6	2	2	51	2.01	.104	8	45	1.12	69	.11	9	1.74	.02	.14	1	5	30
L158+00E 92+00N	1	80	11	157	.2	39	28	769	3.28	11	5	ND	1	91	.6	4	3	53	2.15	.095	7	41	1.09	61	.13	8	1.89	.02	.11	1	6	50
L158+00E 91+50N	1	65	2	166	.1	33	21	591	2.48	7	5	ND	1	114	1.1	2	2	41	2.83	.115	7	36	.88	65	.09	16	1.36	.02	.14	1	4	50
L158+00E 91+00N	1	72	6	142	.1	35	23	711	3.13	11	5	ND	1	100	.5	2	4	51	2.28	.106	8	43	1.01	56	.11	5	1.73	.02	.11	1	1	30
L158+00E 90+50N	1	97	10	104	.2	44	24	667	3.40	10	5	ND	1	108	.2	2	2	53	2.55	.135	9	48	1.22	76	.10	11	1.83	.02	.16	1	2	40
L158+00E 90+00N	1	105	6	119	.2	44	27	739	3.76	13	5	ND	2	102	.4	4	6	58	2.39	.129	9	50	1.26	75	.13	12	2.02	.02	.15	1	5	50
L160+00E 99+50N	1	65	8	109	.2	38	19	693	3.27	12	5	ND	1	69	.7	2	2	58	1.68	.102	8	60	1.12	178	.10	11	2.04	.06	.13	1	8	30
L160+00E 99+00N	1	33	12	72	.1	54	19	408	3.98	17	5	ND	2	33	.4	2	7	72	.63	.033	8	61	1.12	49	.16	3	2.10	.02	.10	1	1	10
L160+00E 98+50N	1	46	11	90	.2	42	18	554	3.80	18	5	ND	2	54	.4	4	6	67	1.04	.069	10	62	1.23	91	.14	9	1.96	.03	.09	1	2	20
L160+00E 98+00N	1	45	5	91	.2	41	17	539	3.76	17	5	ND	3	47	.2	4	7	67	.84	.081	10	62	1.23	101	.14	6	1.93	.03	.10	1	5	20
STANDARD C/AU-S	17	58	35	130	7.2	67	31	1019	3.67	39	17	7	38	53	18.4	16	23	56	.49	.096	37	59	.87	179	.07	35	1.86	.06	.14	11	56	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
L160+00E 97+50N	1	71	8	94	.1	79	18	644	4.34	16	5	ND	1	44	.2	2	3	73	.90	.070	9	89	1.51	42	.18	5	1.96	.02	.11	1	1	30
L160+00E 97+00N	1	112	18	202	.1	64	23	860	5.45	15	5	ND	1	52	.7	2	2	60	1.26	.108	10	64	1.56	58	.12	8	2.52	.01	.11	2	1	60
L160+00E 96+50N	1	65	14	134	.2	33	21	823	4.35	16	5	ND	1	58	.8	2	3	59	1.51	.087	7	47	1.27	106	.13	9	2.41	.01	.10	1	1	30
L160+00E 96+00N	1	70	9	147	.2	40	21	813	4.40	14	5	ND	1	53	.5	3	2	61	1.48	.081	7	50	1.30	66	.14	4	2.37	.01	.13	1	2	20
L160+00E 95+50N	1	100	12	230	.1	55	23	736	3.69	10	5	ND	1	60	1.1	2	2	58	1.29	.107	10	53	1.17	75	.12	2	1.97	.02	.13	1	1	30
L160+00E 95+00N	1	61	11	107	.1	33	18	659	3.59	10	5	ND	1	65	.2	2	2	50	1.69	.075	6	39	1.15	56	.12	8	1.92	.01	.15	1	1	40
L160+00E 94+50N	1	68	7	105	.1	33	19	706	4.12	12	5	ND	1	58	.3	2	2	52	1.45	.062	7	39	1.19	52	.12	5	2.10	.01	.12	1	2	20
L160+00E 94+00N	1	69	11	114	.1	33	21	743	3.86	8	5	ND	1	61	.2	2	3	49	1.54	.069	7	38	1.13	50	.12	6	1.96	.01	.12	1	1	30
L160+00E 93+50N	1	75	12	129	.2	42	23	787	3.97	15	5	ND	1	60	.6	2	2	56	1.35	.089	8	47	1.21	64	.13	4	2.03	.01	.15	1	1	20
L160+00E 93+00N	1	73	7	112	.1	41	19	661	3.63	11	5	ND	1	91	.2	2	2	58	1.95	.105	8	49	1.18	61	.13	7	1.92	.02	.16	2	2	30
L160+00E 92+50N	1	76	8	111	.2	39	19	707	3.79	10	5	ND	1	79	.2	4	2	57	1.87	.083	7	44	1.22	56	.14	5	2.16	.01	.13	1	2	30
L160+00E 92+00N	1	72	7	187	.3	36	23	737	3.34	6	5	ND	1	90	1.0	2	2	55	1.94	.112	8	50	1.13	74	.10	11	1.84	.02	.11	1	3	30
L160+00E 91+50N	1	74	6	133	.1	33	19	615	2.85	7	5	ND	1	94	.3	2	2	48	1.98	.121	7	40	.99	70	.10	7	1.66	.01	.11	1	1	40
L160+00E 91+00N	1	89	6	115	.1	41	21	776	4.45	11	5	ND	1	72	.3	2	2	70	1.51	.086	8	46	1.53	46	.19	5	2.57	.01	.11	2	2	30
L160+00E 90+50N	1	85	14	126	.1	41	20	714	4.11	8	5	ND	1	75	.2	3	2	64	1.51	.091	7	45	1.43	46	.17	4	2.35	.01	.10	1	2	30
L160+00E 90+00N	1	89	10	133	.1	39	23	656	3.15	8	5	ND	1	108	.5	2	2	51	2.26	.096	7	40	1.10	50	.12	7	1.76	.01	.12	1	2	50
L162+00E 99+50N	1	62	5	84	.1	42	16	529	3.29	14	5	ND	1	61	.2	2	2	62	1.36	.079	10	63	1.17	109	.12	7	1.78	.03	.08	1	3	30
L162+00E 99+00N	1	52	10	86	.1	43	19	781	3.76	14	5	ND	1	44	.2	2	2	71	.86	.085	10	69	1.10	119	.12	2	2.04	.03	.11	1	32	20
L162+00E 98+50N	1	96	8	88	.1	53	17	492	3.70	16	5	ND	1	57	.2	2	3	67	1.12	.060	11	87	1.32	90	.12	3	2.01	.03	.07	1	1	30
L162+00E 98+00N	1	42	8	71	.1	42	17	472	3.72	15	5	ND	1	42	.2	2	2	71	.83	.061	9	67	1.13	88	.14	8	1.99	.03	.11	1	5	10
L162+00E 97+50N	1	206	7	135	.1	83	20	665	3.65	8	5	ND	1	75	.2	2	2	55	1.99	.092	9	95	1.47	97	.14	17	2.07	.02	.09	1	1	70
L162+00E 97+00N	1	58	3	132	.1	33	16	541	3.45	7	5	ND	1	72	.2	2	3	53	1.66	.092	7	48	1.13	59	.12	9	1.80	.02	.10	1	1	40
L162+00E 96+50N	1	52	9	116	.1	40	19	660	3.62	11	5	ND	1	59	.4	2	3	54	1.43	.094	6	57	1.17	46	.11	11	1.81	.02	.16	1	1	30
L162+00E 96+00N	1	105	12	196	.1	47	22	690	3.86	8	5	ND	1	56	.6	2	2	56	1.30	.102	8	55	1.23	72	.11	2	1.93	.02	.14	1	1	20
L162+00E 95+50N	1	58	10	112	.1	36	23	740	4.44	10	5	ND	1	35	.2	2	2	58	.96	.060	7	45	1.28	77	.13	5	2.33	.01	.08	1	3	20
L162+00E 95+00N	1	62	8	106	.1	31	21	771	4.38	10	5	ND	1	41	.3	2	2	54	1.10	.080	6	40	1.22	48	.13	5	2.22	.01	.10	1	1	30
L162+00E 94+50N	1	50	8	155	.1	28	18	655	2.97	3	5	ND	1	86	.4	2	2	48	2.09	.101	5	39	1.02	57	.11	11	1.65	.02	.14	1	1	50
L162+00E 94+00N	1	61	2	90	.1	34	13	409	2.45	6	5	ND	1	110	.4	3	2	44	2.41	.122	7	43	.90	68	.09	9	1.34	.02	.12	1	1	40
L162+00E 93+50N	1	101	12	200	.2	49	27	934	4.33	14	5	ND	1	78	.4	6	2	65	1.67	.111	10	55	1.38	85	.14	10	2.35	.02	.18	1	3	30
L162+00E 93+00N	1	67	3	160	.1	36	17	534	2.42	7	5	ND	1	117	.5	2	2	42	2.85	.114	6	38	.89	66	.09	11	1.30	.02	.14	1	2	50
L162+00E 92+50N	1	103	8	159	.1	37	25	739	3.15	9	5	ND	1	108	.3	3	2	52	2.40	.105	7	38	1.10	55	.12	10	1.77	.01	.12	1	4	40
L162+00E 92+00N	1	55	6	99	.2	29	15	523	2.42	6	5	ND	1	110	.4	2	2	43	2.49	.107	7	39	.91	58	.09	10	1.32	.02	.13	1	1	30
L162+00E 91+50N	1	66	6	207	.1	29	18	606	2.45	5	5	ND	1	121	.8	2	2	41	2.68	.096	6	34	.88	49	.10	11	1.33	.01	.14	1	1	50
L162+00E 91+00N	1	72	4	186	.1	32	19	605	2.75	6	5	ND	1	134	.7	2	2	47	2.93	.101	6	36	.97	55	.12	12	1.56	.01	.11	1	1	40
L162+00E 90+50N	1	89	11	164	.1	40	24	667	3.33	10	5	ND	1	105	.2	2	2	56	2.26	.109	7	41	1.17	59	.13	8	1.86	.02	.11	1	2	50
L162+00E 90+00N	1	105	8	124	.1	41	26	708	3.48	11	5	ND	1	98	.2	4	2	58	1.97	.088	9	46	1.20	52	.14	9	1.89	.02	.11	1	1	40
STANDARD C/AU-S	17	58	36	130	7.2	68	31	1056	3.85	40	16	7	37	52	18.4	15	19	55	.48	.095	37	59	.86	179	.07	34	1.83	.06	.14	12	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
L164+00E 99+50N	1	38	5	61	.1	35	16	469	3.58	7	5	ND	1	39	.4	2	2	66	.57	.077	8	61	.92	97	.12	2	1.69	.03	.11	1	11	20
L164+00E 99+00N	1	70	12	87	.2	47	21	587	3.81	11	5	ND	1	46	.9	3	2	61	.75	.092	10	64	.94	175	.11	5	1.68	.04	.16	1	10	10
L164+00E 98+50N	1	66	14	97	.1	56	22	579	3.79	18	5	ND	1	36	.2	2	2	72	.62	.060	10	86	1.27	93	.10	2	2.16	.02	.05	2	7	20
L164+00E 98+00N	1	63	21	92	.1	48	20	447	3.56	16	5	ND	1	43	.2	2	2	69	.89	.093	10	77	1.23	72	.12	2	1.77	.02	.09	1	7	10
L164+00E 97+50N	1	49	10	88	.1	49	23	548	3.67	13	5	ND	1	43	.4	2	2	68	.97	.088	11	73	1.21	88	.13	10	1.85	.03	.11	1	5	30
L164+00E 96+50N	1	42	13	113	.1	45	21	490	3.36	13	5	ND	1	44	1.2	2	2	60	1.13	.110	8	63	1.08	63	.11	4	1.74	.02	.12	1	7	20
L164+00E 96+00N	1	63	8	334	.2	50	25	696	3.49	10	5	ND	1	65	1.9	2	2	53	1.82	.205	7	58	1.18	81	.10	9	1.79	.02	.15	1	7	30
L164+00E 95+50N	1	37	2	114	.1	25	14	455	1.77	4	5	ND	1	133	.8	2	2	30	3.75	.127	4	32	.70	49	.06	27	.87	.01	.19	1	6	60
L164+00E 95+00N	1	56	9	190	.3	52	31	734	3.77	13	5	ND	1	55	.4	2	2	64	1.19	.130	9	70	1.17	84	.12	13	1.88	.03	.14	1	8	20
L164+00E 94+50N	1	55	9	142	.1	34	19	517	3.05	9	5	ND	1	122	.7	2	2	52	2.65	.098	6	43	1.08	49	.13	18	1.74	.01	.08	1	5	40
L164+00E 94+00N	1	82	17	93	.2	54	27	452	3.89	14	5	ND	1	96	.4	2	2	59	1.65	.110	9	87	1.28	92	.11	6	2.07	.02	.05	1	5	20
L164+00E 93+50N	1	51	10	151	.1	39	21	486	2.60	9	5	ND	1	107	1.2	2	2	42	2.58	.118	5	46	.92	54	.08	19	1.26	.01	.10	1	7	40
L164+00E 92+50N	1	81	12	107	.1	45	30	722	3.78	16	5	ND	1	89	.7	2	2	62	2.04	.110	8	53	1.32	75	.14	6	2.06	.01	.12	1	12	40
L164+00E 92+00N	1	60	12	102	.1	45	23	547	3.31	14	5	ND	1	80	.2	2	2	55	1.68	.097	9	59	1.13	88	.09	6	1.69	.02	.09	1	6	30
L164+00E 91+50N	1	63	10	216	.1	38	22	543	2.49	5	5	ND	1	119	1.8	2	2	43	2.60	.109	6	42	.87	58	.08	10	1.35	.01	.09	1	5	40
L164+00E 91+00N	1	54	2	124	.1	36	22	483	2.02	8	5	ND	1	156	.6	2	2	36	4.20	.121	6	35	.79	69	.07	18	1.09	.01	.09	1	8	60
L164+00E 90+50N	1	56	4	142	.2	31	21	493	2.19	7	5	ND	1	124	.7	2	2	36	2.96	.102	5	37	.76	46	.08	15	1.15	.01	.09	1	8	60
L164+00E 90+00N	1	51	5	100	.3	31	19	525	2.22	8	5	ND	1	109	.6	2	2	40	2.91	.087	6	38	.80	76	.09	15	1.22	.01	.09	1	8	70
BL 101+00N 108+00E	1	449	8	110	.1	254	52	957	5.83	81	5	ND	1	33	.7	4	2	108	1.45	.085	6	205	3.05	107	.18	7	2.28	.02	.04	2	15	50
BL 101+00N 108+50E	1	189	2	127	.1	357	33	686	5.05	50	5	ND	1	40	.7	3	2	84	1.11	.094	6	281	3.64	145	.10	9	1.92	.01	.04	1	28	70
BL 101+00N 109+00E	1	60	2	72	.2	1463	57	461	4.40	30	5	ND	1	15	.8	2	3	41	.34	.042	4	1043	15.24	44	.04	51	.96	.01	.02	1	8	30
BL 101+00N 109+50E	1	369	4	113	.2	146	42	1143	9.89	43	5	ND	1	20	.2	14	2	149	.45	.047	6	151	1.67	133	.04	8	1.79	.01	.06	1	17	780
BL 101+00N 110+00E	1	273	10	122	.3	159	33	901	6.38	79	5	ND	1	37	1.3	10	2	102	.71	.075	11	170	2.04	182	.07	3	2.13	.02	.04	2	23	80
BL 101+00N 110+50E	1	310	2	127	.3	194	35	929	6.19	84	5	ND	1	35	.6	7	2	94	.66	.071	10	181	2.10	149	.06	4	2.00	.02	.06	2	22	180
BL 101+00N 111+00E	2	165	10	140	.3	106	19	444	4.79	96	5	ND	1	42	.7	10	4	73	.98	.094	10	128	1.70	309	.05	2	1.78	.02	.04	1	19	100
BL 101+00N 111+50E	2	191	6	158	.3	90	21	540	5.52	140	5	ND	1	46	1.3	10	2	77	1.19	.088	11	107	1.81	188	.05	2	1.91	.02	.06	1	28	70
BL 101+00N 112+00E	2	172	2	170	.5	120	29	776	4.95	161	5	ND	1	71	1.3	9	2	73	2.77	.095	10	114	1.99	183	.05	6	1.82	.02	.06	1	25	100
BL 101+00N 112+50E	3	261	6	146	.5	105	44	1011	8.24	767	5	ND	1	67	.4	12	2	158	3.05	.094	7	143	3.43	230	.09	12	2.74	.03	.20	1	177	40
BL 101+00N 113+00E	1	402	7	119	.3	144	46	693	8.07	145	5	ND	1	36	.2	8	2	168	2.13	.067	4	200	3.22	122	.23	12	2.25	.07	.10	1	58	190
BL 101+00N 113+50E	1	83	2	47	.1	1333	70	391	5.06	51	5	ND	1	14	.5	2	2	46	.73	.028	2	1115	17.08	48	.05	104	.86	.02	.06	1	13	30
BL 101+00N 114+00E	2	324	2	147	.4	280	40	809	7.30	140	5	ND	1	41	1.3	14	2	96	1.21	.081	7	115	3.69	130	.14	6	2.00	.05	.08	1	26	100
BL 101+00N 114+50E	1	356	2	77	.1	262	37	565	4.22	18	5	ND	1	42	.6	4	2	65	1.58	.063	7	198	3.67	37	.20	7	1.71	.01	.06	1	8	30
BL 101+00N 115+00E	1	90	3	139	.2	723	58	674	5.12	18	5	ND	1	55	1.0	2	3	36	.96	.070	16	616	9.38	75	.12	63	1.23	.01	.05	1	8	40
BL 101+00N 115+50E	1	10	5	189	.1	1910	134	1067	3.41	2	5	ND	1	13	1.7	2	9	11	.29	.007	18	1300	19.58	5	.01	33	.33	.01	.01	1	3	10
BL 101+00N 116+00E	1	11	2	32	.1	1640	97	550	5.70	7	5	ND	1	11	1.0	6	2	34	.15	.015	4	736	15.30	17	.01	47	1.11	.01	.01	1	5	20
BL 101+00N 116+50E	1	71	9	78	.1	1055	63	714	4.80	76	5	ND	1	49	.6	2	6	48	.82	.053	4	681	13.10	95	.06	49	1.55	.02	.08	1	20	40
STANDARD C/AU-S	19	59	43	131	7.2	72	31	1013	3.72	42	17	7	36	49	20.0	15	19	57	.49	.098	37	58	.87	172	.07	33	1.84	.06	.13	12	55	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
BL 101+00N 117+00E	1	160	8	98	.2	715	44	728	5.08	77	5	ND	1	44	.8	2	2	61	.85	.065	7	488	9.45	103	.13	39	1.67	.03	.08	1	26	50
BL 101+00N 117+50E	24	86	10	526	1.8	80	9	157	14.81	97	5	ND	3	296	.4	6	2	81	.11	.225	29	30	.30	34	.01	18	.54	.13	.28	1	8	300
BL 101+00N 118+00E	18	146	19	129	1.7	289	25	498	7.11	105	5	ND	2	89	.6	15	2	94	.86	.078	21	204	3.68	167	.25	16	1.13	.04	.15	1	19	210
BL 101+00N 118+50E	3	244	15	161	.4	138	34	1084	6.76	255	5	ND	1	103	.6	8	3	107	4.89	.077	8	122	3.01	215	.09	13	2.33	.03	.12	1	44	140
BL 101+00N 119+00E	1	279	15	119	.3	193	32	814	5.91	195	5	ND	1	87	.2	6	2	100	3.66	.063	8	175	3.42	209	.11	8	2.17	.04	.12	1	50	100
BL 101+00N 120+00E	1	152	6	95	.1	75	31	688	5.69	57	5	ND	1	121	.2	4	2	105	2.36	.144	11	130	3.00	323	.21	5	2.54	.12	.36	1	21	30
BL 101+00N 120+50E	1	6	6	24	.1	1952	68	473	4.03	6	5	ND	1	2	.2	2	4	14	.09	.009	2	1057	23.63	2	.01	217	.47	.01	.01	1	4	20
BL 101+00N 121+00E	1	12	5	37	.1	1887	75	497	4.18	7	5	ND	1	4	.2	2	2	17	.13	.008	2	1153	23.94	6	.01	151	.38	.01	.01	1	2	10
BL 101+00N 121+50E	1	7	3	35	.1	1655	59	398	3.90	2	5	ND	1	5	.2	2	5	14	.30	.011	2	928	20.71	2	.01	116	.48	.01	.01	1	3	20
BL 101+00N 122+00E	1	253	8	76	.1	845	58	806	6.09	97	5	ND	1	42	.2	2	2	74	1.86	.047	4	535	10.26	62	.09	39	1.28	.02	.07	1	50	100
BL 101+00N 122+50E	1	208	13	91	.1	424	42	836	5.96	94	5	ND	1	79	.2	2	2	94	1.76	.076	8	198	5.03	201	.15	17	2.28	.06	.22	3	28	40
BL 101+00N 123+00E	2	196	3	105	.1	365	40	801	5.79	104	5	ND	1	80	.3	4	2	91	1.71	.082	7	175	4.73	174	.14	23	2.20	.06	.21	1	25	50
BL 101+00N 123+50E	1	175	11	93	.1	440	35	608	5.83	91	5	ND	1	57	.2	2	2	93	1.12	.076	7	198	5.23	152	.13	17	2.22	.05	.12	1	31	40
BL 101+00N 124+00E	1	214	11	98	.2	403	30	528	5.73	179	5	ND	1	49	.4	2	2	95	1.19	.065	7	235	4.94	98	.12	22	2.13	.04	.06	1	62	40
BL 101+00N 124+50E	1	328	10	110	.1	108	24	557	6.37	132	5	ND	1	41	.2	5	2	130	1.24	.065	8	123	2.72	117	.18	7	2.75	.04	.05	1	58	50
BL 101+00N 125+00E	1	331	4	123	.2	122	27	668	5.86	89	5	ND	1	49	.4	4	2	110	1.73	.074	7	142	2.48	101	.15	7	2.32	.03	.07	1	24	70
BL 100+00N 125+00E	1	337	8	177	.4	91	31	1076	7.13	179	5	ND	1	50	.7	4	2	135	1.46	.067	8	116	2.73	135	.16	6	2.95	.04	.07	1	63	40
BL 100+00N 125+50E	1	431	11	149	.2	177	33	810	6.50	72	5	ND	1	44	.4	5	2	118	1.76	.064	6	301	3.11	133	.32	7	2.82	.02	.07	2	36	60
BL 100+00N 126+00E	1	349	8	126	.2	103	31	861	6.62	106	5	ND	1	39	.2	3	2	134	1.37	.055	6	144	2.83	95	.28	5	2.80	.02	.06	1	40	50
BL 100+00N 126+50E	2	222	8	138	.2	98	26	718	4.74	89	5	ND	1	64	.4	5	3	85	2.09	.085	8	109	2.14	166	.12	11	1.95	.04	.09	1	26	60
BL 100+00N 127+00E	2	225	4	119	.1	96	24	618	4.57	70	5	ND	1	74	.3	5	2	82	2.58	.086	8	109	2.03	135	.12	9	1.99	.03	.08	1	22	60
BL 100+00N 127+50E	1	216	5	124	.1	84	24	684	4.99	65	5	ND	1	51	.2	3	2	87	1.27	.062	9	124	1.99	169	.17	4	2.37	.03	.07	1	24	50
BL 100+00N 128+00E	1	237	12	104	.1	224	32	695	5.76	68	5	ND	1	51	.2	3	2	94	1.32	.065	7	278	3.11	125	.23	5	2.32	.04	.04	1	29	50
BL 100+00N 128+50E	1	379	11	110	.1	86	22	606	4.16	48	5	ND	1	56	.2	2	2	73	1.89	.081	8	141	1.70	166	.10	8	1.99	.03	.06	1	10	60
BL 100+00N 129+00E	1	136	7	112	.1	69	22	625	4.26	50	5	ND	1	62	.2	2	3	73	1.56	.068	8	98	1.60	146	.12	3	1.98	.03	.08	1	22	30
BL 100+00N 129+50E	1	324	8	99	.1	151	28	712	4.87	34	5	ND	1	45	.2	4	2	84	1.51	.069	7	256	2.66	107	.18	5	2.72	.02	.10	1	8	40
BL 100+00N 130+00E	1	239	7	97	.1	79	21	623	4.03	34	5	ND	1	47	.2	3	3	71	1.76	.077	7	141	1.82	103	.16	8	2.22	.02	.12	1	6	40
BL 100+00N 130+50E	1	347	11	70	.1	84	23	656	3.92	8	5	ND	1	29	.2	2	2	76	1.50	.060	5	236	2.23	50	.31	9	2.60	.02	.05	2	8	30
BL 100+00N 131+00E	1	376	2	65	.1	92	24	627	3.76	7	5	ND	1	30	.2	4	2	73	2.68	.050	2	304	2.61	30	.32	5	2.70	.01	.04	2	18	20
BL 100+00N 131+50E	1	369	9	78	.1	87	23	566	3.98	20	5	ND	1	27	.2	2	2	73	1.45	.047	3	240	2.24	59	.29	10	2.41	.02	.05	2	11	20
BL 100+00N 132+00E	1	216	2	103	.1	65	21	525	4.07	41	5	ND	1	41	.2	2	5	74	1.39	.043	7	125	1.59	74	.18	34	1.99	.02	.09	1	13	40
BL 100+00N 132+50E	1	158	2	70	.1	177	27	651	3.46	6	5	ND	1	22	.2	3	2	57	1.07	.055	3	485	2.70	30	.29	5	2.50	.01	.03	1	7	20
BL 100+00N 133+00E	1	155	11	116	.1	66	24	691	4.48	38	5	ND	1	45	.2	2	2	77	1.44	.085	8	128	1.72	190	.12	5	2.45	.02	.05	1	13	50
BL 100+00N 133+50E	1	126	9	106	.1	51	20	699	4.50	31	5	ND	1	40	.2	2	2	79	1.11	.058	8	97	1.62	117	.18	5	2.56	.02	.08	2	8	30
BL 100+00N 134+00E	1	157	4	122	.1	108	26	759	4.60	32	5	ND	1	52	.3	3	2	76	1.25	.059	8	118	1.66	82	.20	8	2.16	.02	.15	1	7	40
BL 100+00N 134+50E	1	187	10	211	.1	107	29	1030	4.27	52	5	ND	1	62	1.8	4	2	70	1.68	.097	8	110	1.65	144	.14	12	1.86	.02	.17	1	13	50
STANDARD C/AU-S	18	57	36	130	7.2	68	31	1026	3.75	39	18	7	39	53	18.4	15	21	55	.50	.093	37	59	.89	180	.07	35	1.84	.06	.14	11	50	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
BL 100+00N 135+00E	1	82	8	95	.1	77	17	629	4.75	27	5	ND	1	34	.2	2	3	72	.88	.042	5	76	1.75	72	.17	7	2.57	.01	.14	3	4	30
BL 100+00N 135+50E	1	148	9	98	.1	92	21	586	3.74	33	5	ND	1	50	.6	2	2	57	1.68	.062	6	109	1.64	72	.12	10	1.82	.02	.11	1	8	40
BL 100+00N 136+00E	1	129	8	148	.1	96	26	802	4.61	50	5	ND	1	49	1.5	2	2	68	1.23	.083	6	105	1.83	96	.12	10	2.03	.02	.17	1	85	40
BL 100+00N 136+50E	1	149	7	112	.1	96	15	435	2.96	10	5	ND	1	47	.7	2	6	46	2.37	.091	6	71	1.28	110	.09	7	1.67	.02	.05	1	5	30
BL 100+00N 137+00E	1	119	4	134	.1	83	10	367	2.61	3	5	ND	1	57	3.6	2	2	43	1.87	.098	5	59	1.17	138	.08	5	1.68	.02	.05	1	2	50
BL 100+00N 137+50E	5	263	2	51	.5	50	14	1917	16.02	226	5	ND	1	49	.4	10	9	41	2.05	.124	4	68	.83	234	.02	13	.95	.01	.04	1	3	80
BL 100+00N 138+00E	1	81	7	97	.1	58	16	651	3.53	19	5	ND	1	59	1.0	2	2	52	1.71	.080	8	60	1.39	127	.09	9	1.77	.02	.17	1	2	40
BL 100+00N 138+50E	1	93	7	116	.1	75	23	876	4.07	27	5	ND	1	46	.6	2	2	64	.98	.082	7	90	1.58	176	.11	5	1.92	.02	.13	1	2	30
BL 100+00N 139+00E	1	108	8	131	.1	81	23	870	4.43	29	5	ND	1	48	.5	2	6	66	1.02	.088	7	93	1.71	171	.11	7	2.08	.02	.11	1	1	30
BL 100+00N 140+00E	3	58	3	130	.1	42	15	7222	2.86	9	5	ND	1	97	.4	2	3	39	4.90	.083	4	41	1.22	375	.06	17	1.39	.01	.05	1	4	30
BL 100+00N 140+50E	1	217	9	121	.2	250	32	1200	5.40	21	5	ND	2	50	.8	5	2	76	1.26	.071	10	149	2.33	127	.17	9	2.75	.04	.12	1	1	30
BL 100+00N 141+00E	1	181	10	110	.1	134	24	748	4.55	9	5	ND	4	63	.8	3	2	64	2.10	.078	12	126	1.99	123	.19	13	2.46	.02	.16	1	1	20
BL 100+00N 141+50E	1	113	5	121	.1	67	20	722	4.25	14	5	ND	1	50	.5	2	4	61	1.16	.084	8	77	1.65	83	.13	7	2.26	.02	.09	2	1	20
BL 100+00N 142+00E	1	70	8	122	.1	45	20	717	4.45	17	5	ND	1	52	.9	4	2	65	1.18	.086	7	60	1.58	74	.12	11	2.19	.02	.16	1	1	30
BL 100+00N 142+50E	1	75	7	117	.2	32	15	568	3.73	13	5	ND	1	64	.9	4	2	51	1.29	.093	6	45	1.33	47	.10	10	1.83	.01	.12	1	3	30
BL 100+00N 143+00E	1	79	8	191	.1	33	18	757	4.40	10	5	ND	1	60	3.3	2	2	58	1.11	.107	7	48	1.55	69	.10	5	2.24	.01	.10	1	2	20
BL 100+00N 143+50E	1	88	10	117	.2	38	16	613	4.49	10	5	ND	1	60	.7	4	5	58	1.07	.081	6	47	1.60	47	.13	10	2.18	.02	.09	1	1	30
BL 100+00N 144+00E	1	101	9	106	.2	37	16	600	4.44	8	5	ND	1	57	.7	6	2	62	1.01	.078	7	52	1.56	54	.15	5	2.31	.02	.09	1	1	20
BL 100+00N 144+50E	1	60	5	96	.2	26	12	400	3.32	10	5	ND	1	79	.6	3	2	51	1.56	.038	5	47	1.13	80	.09	4	1.79	.02	.04	1	1	30
BL 100+00N 145+00E	1	63	4	88	.1	26	14	459	3.20	11	5	ND	1	75	.5	2	2	47	1.50	.055	6	43	1.08	81	.07	4	1.68	.02	.05	1	5	40
BL 100+00N 145+50E	1	89	8	93	.1	42	18	625	4.09	11	5	ND	1	55	.8	5	2	57	.98	.050	7	64	1.43	106	.12	4	2.18	.02	.08	2	31	40
BL 100+00N 146+00E	1	56	3	98	.2	29	18	823	3.77	19	5	ND	1	48	.4	3	2	58	.74	.081	6	58	1.11	208	.07	3	1.96	.02	.08	1	4	30
BL 100+00N 146+50E	1	47	4	88	.3	22	16	738	3.68	17	5	ND	1	44	.8	2	2	61	.65	.069	7	55	1.11	183	.07	2	2.01	.02	.05	1	2	20
BL 100+00N 147+00E	1	49	5	96	.1	25	20	892	3.96	17	5	ND	1	40	.3	2	3	60	.57	.062	7	57	1.09	128	.10	2	1.81	.02	.07	1	5	20
BL 100+00N 148+00E	1	44	7	87	.2	25	16	793	3.48	15	5	ND	1	46	.5	2	2	57	.72	.098	7	56	1.10	145	.06	2	1.73	.02	.07	1	4	30
BL 100+00N 148+50E	1	37	6	70	.2	21	14	540	3.50	15	5	ND	1	46	.5	2	3	57	.71	.066	6	51	1.01	125	.10	3	1.60	.02	.06	1	2	20
BL 100+00N 149+00E	1	49	3	71	.2	25	14	501	3.67	18	5	ND	1	38	.3	5	2	63	.52	.053	7	53	1.13	71	.12	3	1.81	.02	.07	1	6	30
BL 100+00N 149+50E	1	46	6	55	.2	24	15	592	3.28	15	5	ND	1	39	.4	2	2	58	.56	.062	6	50	.96	115	.08	3	1.71	.02	.04	1	7	30
BL 100+00N 150+00E	1	48	4	68	.2	29	18	599	4.04	17	5	ND	1	28	.2	3	2	66	.47	.047	6	60	1.20	72	.12	2	2.00	.02	.06	1	1	10
BL 100+00N 150+50E	1	126	2	71	.2	60	17	555	4.81	9	5	ND	1	39	.8	4	2	80	.77	.020	8	98	1.71	87	.22	3	2.82	.02	.06	1	5	30
BL 100+00N 151+00E	1	54	5	71	.2	40	18	643	4.50	16	5	ND	1	39	.7	4	2	67	.71	.063	6	66	1.32	85	.14	2	2.06	.02	.10	1	5	20
BL 100+00N 151+50E	1	71	7	75	.2	42	15	441	4.13	16	5	ND	1	38	.6	4	2	63	.72	.034	7	67	1.25	50	.17	4	1.97	.02	.14	1	5	30
BL 100+00N 152+00E	1	54	2	75	.1	38	17	534	4.03	18	5	ND	1	36	.6	4	2	60	.70	.053	7	61	1.17	64	.12	5	1.88	.02	.12	1	7	30
BL 100+00N 152+50E	1	62	2	74	.2	51	19	553	4.54	17	5	ND	1	28	.7	7	2	72	.58	.019	5	84	1.46	47	.23	4	2.28	.02	.12	1	15	10
BL 100+00N 153+00E	1	55	3	65	.1	37	16	445	4.06	15	5	ND	1	36	.3	4	2	64	.62	.029	8	66	1.27	84	.16	3	2.22	.02	.07	2	2	20
BL 100+00N 153+50E	1	91	7	67	.1	71	16	541	4.71	10	5	ND	1	31	.9	7	2	75	.74	.015	4	128	1.85	57	.31	6	2.52	.02	.06	1	6	20
STANDARD C/AU-S	17	58	42	130	7.9	72	31	1124	4.00	40	19	7	37	52	18.7	15	21	55	.49	.096	36	60	1.03	178	.07	38	1.96	.06	.14	11	48	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
BL 100+00N 154+00E	1	71	7	73	.1	90	19	510	4.64	12	5	ND	1	33	2.1	2	2	87	1.10	.015	5	132	1.72	47	.33	3	2.58	.02	.11	2	30	30
BL 100+00N 154+50E	1	64	7	73	.1	76	20	540	4.49	14	5	ND	1	37	.9	2	2	84	.97	.030	7	99	1.57	89	.24	2	2.31	.02	.10	1	1	20
BL 100+00N 155+00E	1	79	10	76	.1	77	21	605	4.52	13	5	ND	2	41	1.1	2	2	83	1.02	.036	8	96	1.51	70	.24	4	2.32	.02	.10	1	4	30
BL 100+00N 155+50E	1	198	10	90	.1	100	22	689	4.74	14	5	ND	2	45	2.0	2	3	85	1.29	.056	10	120	1.90	67	.26	4	2.44	.03	.19	1	7	40
BL 100+00N 156+00E	1	101	2	78	.1	269	26	573	3.96	9	5	ND	1	49	1.5	2	2	64	1.45	.057	6	212	3.55	50	.18	16	1.89	.02	.17	1	3	30
BL 100+00N 156+50E	1	75	10	77	.3	90	22	618	4.37	16	5	ND	2	41	.7	2	2	74	.98	.046	9	108	1.81	65	.19	2	2.13	.02	.12	2	9	20
BL 100+00N 157+00E	1	119	9	92	.2	135	23	689	4.35	12	5	ND	1	49	1.3	2	2	72	1.34	.065	8	158	2.38	71	.19	15	2.18	.02	.16	1	2	20
BL 100+00N 157+50E	1	96	5	81	.1	83	21	628	4.61	13	5	ND	1	36	1.4	2	2	83	1.08	.052	7	150	1.91	45	.28	7	2.38	.02	.12	1	2	10
BL 100+00N 158+00E	1	129	7	93	.2	63	19	631	3.86	16	5	ND	1	56	.8	2	2	64	1.68	.084	7	132	1.62	86	.15	8	2.03	.02	.13	1	5	30
BL 100+00N 158+50E	1	64	4	97	.2	57	21	752	4.38	13	5	ND	1	36	1.1	2	2	76	.90	.090	8	83	1.27	102	.17	3	2.26	.02	.14	1	9	10
BL 100+00N 159+00E	1	45	10	68	.1	48	18	403	4.27	14	5	ND	1	32	.9	2	2	81	.77	.026	6	82	1.24	70	.21	3	2.26	.02	.08	1	37	20
BL 100+00N 160+00E	1	77	6	72	.1	45	18	336	4.02	9	5	ND	1	43	.3	2	3	72	1.24	.063	10	62	1.20	107	.12	2	2.25	.03	.05	2	2	30
BL 100+00N 160+50E	1	81	8	83	.1	53	20	477	4.28	15	5	ND	2	37	.5	2	4	79	.85	.041	10	83	1.37	99	.15	2	2.32	.02	.05	1	2	30
BL 100+00N 161+00E	1	65	6	88	.1	49	18	575	4.07	11	5	ND	2	44	.2	2	2	71	.97	.068	11	63	1.32	81	.15	6	1.94	.03	.13	1	3	20
BL 100+00N 161+50E	1	58	7	100	.1	43	17	482	3.95	12	5	ND	1	34	.8	2	5	74	.79	.100	9	67	1.18	134	.12	2	2.20	.03	.06	1	1	10
BL 100+00N 162+00E	4	69	11	91	.2	48	26	3426	3.92	22	5	ND	1	65	.7	5	2	56	2.07	.093	7	52	.98	205	.09	4	1.50	.02	.05	1	2	40
BL 100+00N 162+50E	1	78	2	59	.2	45	17	405	3.72	15	5	ND	2	62	.2	2	2	66	1.98	.060	9	65	1.15	108	.11	4	1.98	.03	.05	1	2	30
BL 100+00N 163+00E	1	84	3	72	.2	83	22	542	4.45	12	5	ND	3	57	.2	2	2	88	3.03	.053	8	170	1.59	86	.11	8	2.13	.02	.06	1	2	50
BL 100+00N 163+50E	1	76	2	90	.1	44	17	583	3.59	14	5	ND	1	62	.2	2	2	63	1.71	.066	10	65	1.23	116	.11	9	1.79	.03	.11	1	11	30
BL 100+00N 164+00E	1	53	13	83	.1	41	16	595	3.70	11	5	ND	1	53	.9	3	2	66	1.28	.086	10	62	1.29	88	.13	6	1.84	.03	.14	1	3	40
STANDARD C/AU-S	17	62	35	131	7.2	67	30	1029	4.05	41	18	7	35	47	18.4	15	21	57	.52	.089	36	58	.91	172	.08	34	1.94	.06	.14	13	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
P 119643	2	345	10	118	.4	59	25	809	6.49	143	5	ND	1	54	1.7	10	3	95	1.01	.062	10	88	1.58	148	.09	5	2.25	.04	.09	1	31	100
P 119644	2	345	10	121	.2	55	26	861	6.46	123	5	ND	1	55	1.5	7	4	88	.95	.070	10	82	1.54	143	.10	3	2.34	.03	.07	2	53	130
P 119645	1	369	10	97	.2	55	27	940	5.92	64	5	ND	1	94	1.1	7	2	99	3.73	.040	9	89	1.78	100	.21	7	2.61	.02	.07	1	30	200
P 119646	3	560	10	97	.3	54	32	832	8.01	116	5	ND	1	40	.8	9	2	144	1.08	.048	7	90	2.01	86	.16	7	2.70	.03	.08	1	35	80
P 119647	4	355	10	129	.2	70	34	993	7.04	153	5	ND	1	47	.9	8	2	126	1.22	.064	9	109	2.05	158	.14	8	2.72	.04	.08	2	46	150
P 119648	1	474	14	127	.5	63	34	925	7.29	120	5	ND	1	38	1.2	11	7	147	1.00	.055	9	104	2.09	93	.16	13	2.87	.03	.05	1	49	160
P 119649	2	358	10	93	.1	64	29	796	6.92	79	5	ND	1	39	.9	5	3	123	.93	.045	8	116	2.09	124	.17	3	2.84	.04	.05	3	24	90
P 119650	2	330	14	135	.2	78	36	1132	7.32	139	5	ND	1	50	1.5	7	3	124	1.40	.063	10	106	1.93	177	.12	10	2.46	.03	.07	1	33	100
P 119651	1	172	9	94	.3	43	20	649	5.09	32	5	ND	2	62	1.1	10	2	74	1.00	.045	13	72	1.36	128	.15	6	2.28	.04	.12	1	10	70
P 119652	1	451	11	103	.6	57	33	824	8.54	91	5	ND	1	79	1.4	17	2	126	2.65	.038	6	83	2.37	78	.39	5	2.98	.01	.07	2	26	100
P 119653	7	250	10	185	.3	73	29	1011	7.86	145	5	ND	1	64	2.1	14	3	68	2.37	.119	9	73	1.91	119	.08	3	1.87	.01	.09	1	29	60
P 119654	3	231	11	163	.2	94	42	1168	8.03	147	5	ND	1	57	1.4	8	2	94	2.22	.141	9	91	2.77	122	.13	9	2.54	.02	.10	1	17	50
P 119655	2	219	15	165	.2	102	39	1270	8.30	365	5	ND	1	57	1.0	13	4	107	2.04	.094	10	114	2.94	249	.17	7	2.86	.01	.10	1	21	80
P 119656	3	178	35	201	.2	87	39	2727	7.52	275	5	ND	2	61	1.5	14	5	70	1.17	.079	16	63	1.74	604	.09	11	2.05	.02	.16	1	58	60
P 119657	5	184	28	235	.3	88	42	2388	7.40	402	5	ND	2	69	2.3	10	2	71	.99	.103	16	62	1.69	256	.09	7	2.25	.02	.14	1	111	80
P 119658	7	203	19	241	.6	112	40	1805	6.56	96	5	ND	1	74	1.5	11	4	60	.92	.075	17	50	1.39	470	.05	10	1.48	.02	.09	1	27	180
P 119659	4	274	20	169	.4	85	39	1380	7.66	129	5	ND	1	44	1.2	10	2	103	.97	.136	12	83	2.39	204	.24	8	2.35	.02	.10	1	12	80
P 119660	2	290	14	148	.4	78	39	1241	8.54	88	5	ND	1	38	1.0	8	5	128	1.03	.097	8	91	2.99	225	.33	7	2.98	.01	.24	1	22	50
P 119661	3	327	13	177	.5	87	40	1614	9.94	64	5	ND	1	35	1.0	9	2	153	1.33	.098	9	128	4.27	336	.27	8	3.80	.01	.16	1	16	60
P 119662	2	357	18	154	.3	67	42	1341	7.68	83	5	ND	1	46	2.0	9	6	125	1.33	.114	11	70	2.33	299	.10	8	2.79	.01	.06	2	19	50
P 119663	3	368	24	308	1.3	101	54	1760	15.60	239	5	ND	1	57	1.6	12	16	137	.92	.223	16	159	2.48	204	.05	5	2.83	.01	.09	1	74	30
P 119664	2	190	11	133	.2	51	31	1045	6.56	77	5	ND	1	38	.4	7	2	119	.72	.081	11	64	1.68	231	.12	8	2.83	.02	.05	1	12	50
P 119665	2	211	21	127	.1	51	29	890	5.74	83	5	ND	1	48	.8	7	2	101	.99	.131	10	63	1.55	146	.09	5	2.81	.02	.06	1	12	60
P 119666	1	231	10	118	.1	55	30	942	6.34	58	5	ND	1	42	1.0	7	4	122	.89	.084	9	75	1.81	173	.18	7	2.82	.02	.05	1	14	40
P 119667	1	192	9	112	.2	51	33	1067	5.94	52	5	ND	1	49	1.2	6	3	109	.96	.095	10	69	1.64	250	.11	7	2.46	.02	.05	1	7	50
P 119668	1	193	16	127	.3	63	38	1357	7.46	46	5	ND	1	52	.8	7	2	129	1.08	.088	9	87	1.36	245	.08	12	2.14	.02	.05	1	10	90
P 119669	2	197	14	140	.1	49	30	948	5.78	58	5	ND	1	56	1.3	6	2	91	1.16	.107	10	63	1.47	234	.10	4	2.38	.02	.07	1	10	50
P 119670	2	186	8	134	.1	52	32	1002	6.11	197	5	ND	1	60	.5	5	2	103	1.22	.086	10	63	1.60	216	.11	3	2.50	.02	.06	1	33	40
P 119671	1	510	11	109	.5	54	48	1681	7.23	46	5	ND	1	31	.7	7	2	131	1.10	.060	6	62	2.72	115	.23	7	3.12	.02	.05	1	110	30
P 119672	1	531	14	111	.3	83	51	1188	8.03	37	5	ND	1	27	1.1	9	2	137	1.33	.060	6	130	3.27	85	.31	4	3.53	.01	.03	1	16	10
P 119673	4	136	19	243	.3	62	38	1291	5.07	56	5	ND	2	82	1.6	5	5	51	.81	.121	35	36	.92	242	.04	9	1.82	.03	.14	1	11	40
P 119674	3	127	25	157	.1	47	30	1523	5.10	49	5	ND	1	77	.9	3	4	52	1.09	.136	17	37	1.01	243	.05	7	2.23	.02	.12	1	16	80
P 119675	23	221	34	233	.3	76	84	3989	6.57	564	5	ND	2	100	.9	6	2	48	.65	.101	23	31	.91	311	.11	6	2.41	.03	.08	1	250	120
P 119676	3	117	23	145	.1	46	32	1164	5.37	46	5	ND	1	61	.9	4	6	60	.72	.106	12	50	1.09	228	.07	7	2.36	.02	.05	1	11	50
P 119677	2	135	26	158	.1	58	45	1299	5.71	49	5	ND	1	61	1.1	8	2	57	1.00	.110	14	46	1.10	162	.07	7	2.29	.02	.07	1	8	60
P 119678	2	133	21	138	.2	55	38	1050	5.99	28	5	ND	2	71	.7	5	7	67	1.24	.074	9	40	1.25	318	.20	9	2.87	.01	.09	1	2	70
STANDARD C/AU-S	18	57	42	128	7.1	70	31	1043	3.93	39	18	7	37	52	18.7	14	19	55	.48	.097	36	59	.85	178	.07	36	1.80	.06	.14	13	47	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
P 119679	3	166	11	182	.3	56	42	1289	5.92	68	5	ND	2	52	.7	2	3	59	.99	.110	11	38	1.36	140	.15	7	2.50	.02	.06	2	28	60
P 119680	3	146	11	211	.1	61	38	1347	6.16	92	5	ND	1	46	.4	2	2	63	1.03	.112	13	38	1.41	154	.12	10	2.64	.02	.06	1	28	40
P 119681	4	133	14	215	.4	51	29	1134	5.40	55	5	ND	1	65	1.0	3	2	49	1.21	.128	15	32	.97	214	.11	9	1.91	.02	.08	2	13	80
P 119682	1	125	15	162	.3	43	43	1751	6.54	38	5	ND	2	50	1.2	2	2	80	1.77	.095	26	46	1.89	435	.01	3	3.48	.01	.06	2	3	70
P 119683	3	112	10	180	.3	40	21	783	4.80	31	5	ND	1	58	.9	2	2	53	.86	.079	14	37	1.03	206	.08	5	1.99	.02	.05	1	9	80
P 119684	7	97	15	213	.4	42	18	775	5.36	34	5	ND	1	60	1.2	2	2	40	.58	.105	15	30	.77	214	.07	5	1.51	.02	.10	1	12	90
P 119685	5	120	20	174	.5	43	24	1125	5.62	33	5	ND	1	52	1.4	2	2	45	.84	.088	12	29	.84	185	.11	6	1.88	.02	.06	1	10	80
P 119686	5	123	7	266	.4	51	27	1188	5.65	52	5	ND	2	59	2.1	2	4	45	.68	.090	16	24	.97	213	.11	4	2.03	.02	.06	2	11	90
P 119687	5	98	8	182	.2	44	20	876	4.66	28	5	ND	1	56	.5	2	2	45	1.03	.102	14	40	.90	291	.05	8	1.76	.02	.08	1	1	80
P 119688	1	136	7	369	.1	64	43	1487	6.03	145	5	ND	2	67	6.8	2	3	54	1.50	.083	39	33	1.74	234	.01	7	3.13	.01	.04	1	34	50
P 119689	32	90	15	145	.7	35	16	679	4.44	271	5	ND	1	138	2.0	9	2	64	3.47	.073	7	36	1.15	177	.14	9	2.04	.03	.09	1	180	890
P 119690	10	297	12	464	.7	207	46	1235	9.44	63	5	ND	1	73	4.3	2	2	124	2.11	.207	27	83	2.80	144	.07	4	3.74	.01	.06	1	25	80
P 119691	11	192	17	485	1.5	161	30	1569	6.54	73	5	ND	1	74	3.1	5	2	51	2.59	.207	40	40	1.36	144	.02	5	1.64	.01	.06	1	66	140
P 119692	6	664	11	324	.1	132	59	1190	9.55	18	5	ND	1	22	4.3	2	2	177	1.58	.190	14	95	2.99	179	.19	2	3.96	.01	.04	1	3	70
P 119693	1	446	2	102	.2	74	39	1147	6.66	13	5	ND	1	43	3.3	2	2	153	3.05	.041	4	142	3.78	106	.22	2	3.81	.01	.03	1	5	40
P 119694	1	506	2	133	.1	56	40	811	7.29	14	5	ND	1	20	3.2	2	2	189	1.45	.060	4	58	2.43	106	.37	8	3.32	.01	.04	1	1	30
P 119695	1	400	2	137	.1	69	33	1047	6.23	25	5	ND	1	130	1.9	2	3	118	1.60	.065	7	111	2.28	451	.20	3	3.45	.02	.05	1	1	40
P 119696	2	275	6	135	.2	51	27	956	4.95	33	5	ND	1	46	1.8	2	2	92	1.81	.078	11	75	1.63	246	.11	2	2.39	.02	.04	1	5	50
P 121803	1	4	4	50	.1	708	34	357	4.10	24	5	ND	1	17	1.5	2	2	31	.44	.034	2	620	17.33	32	.04	20	2.63	.02	.09	1	3	30
STANDARD C/AU-S	18	60	38	133	7.2	69	30	1031	4.13	38	21	7	36	47	18.7	15	19	57	.54	.097	37	58	.92	174	.07	37	1.96	.05	.14	11	53	1600

APPENDIX IV

ANALYTICAL PROCEDURES

All rocks and soil samples were sent for analysis to Acme Analytical Laboratories Ltd., in Vancouver. The -80 mesh fraction was analyzed for gold by acid leach/AA from a 10g sample. A 0.5g sample was treated by aqua regia and analyzed for mercury by flameless AA and for 30 elements by ICP.

The procedure involved for analyzing the rocks is the same as for the soils except the sample has been pulverized to -120mesh size.

The samples analyzed for Au, Pt, Pd and Rh were done so by fire assay with AA finish.

APPENDIX V

GRID CORRECTIONS

Soil Grid Corrections

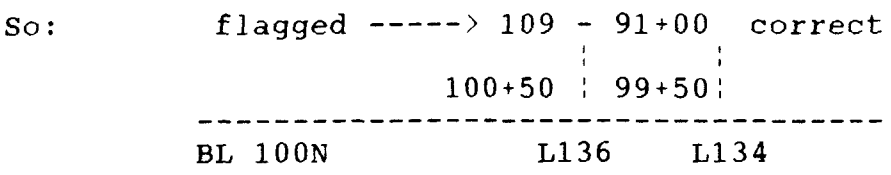
Incorrect flags in the field (soil bags were corrected).

- L132+00E

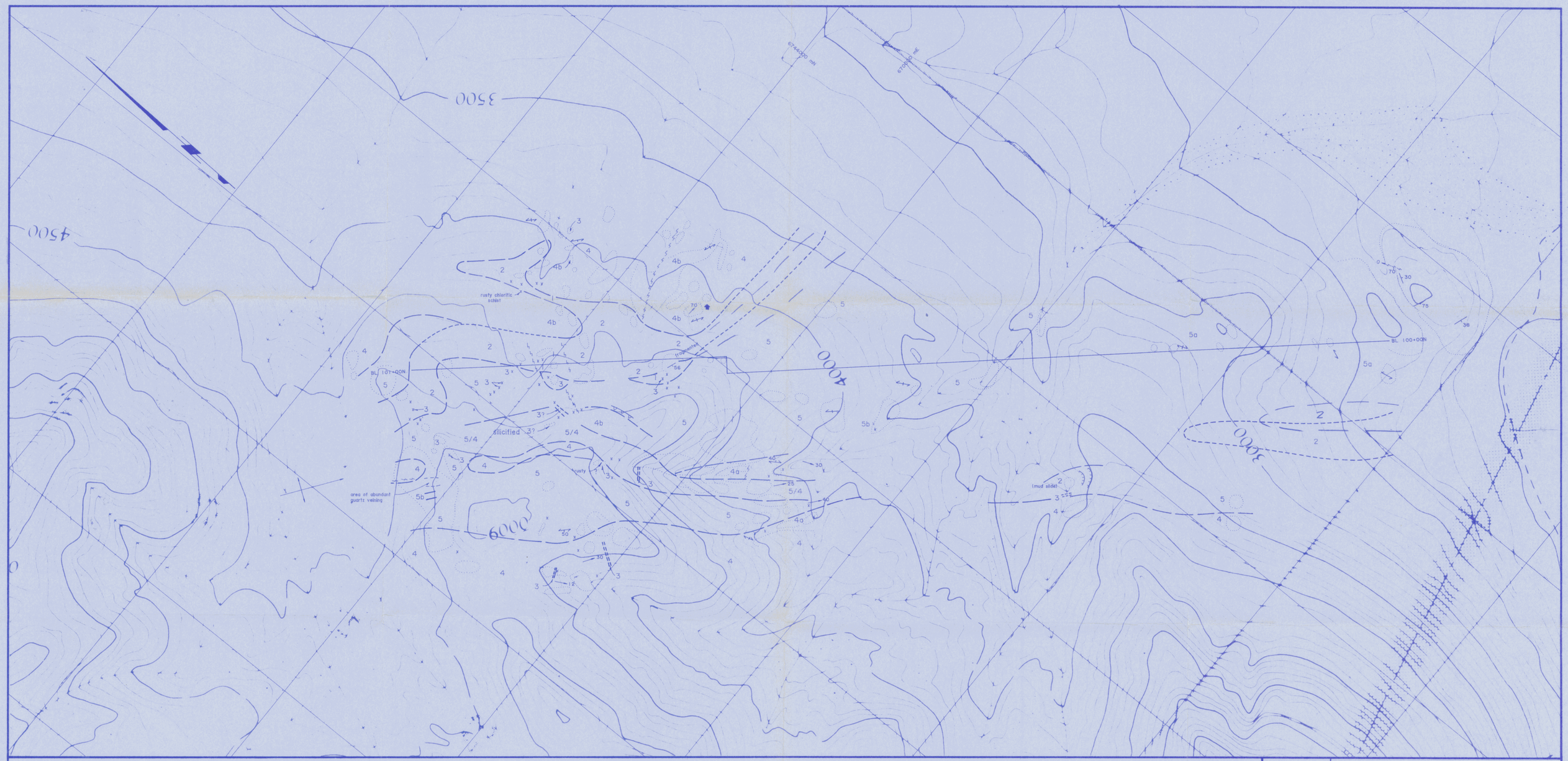
station 97+00N is tagged 95+00N (real 95+00 is marked "correct")
station 96+50N is tagged 94+50N (real 94+50 is marked "correct")

L136+00E + L134+00E

Stations south of baseline were numbered increasingly instead of decreasingly (ex. station 99+50 actually marked as 100+50, etc.).



- L120+00E, south of baseline:
all flags off by 100m. (e.g. stn marked 98+00N infact 99+00N).



SCALE 1 : 10,000

0.25 0 0.25 0.50 0.75 1 km

ELEVATION IN FEET
CONTOUR INTERVAL = 100 FEET

LEGEND

1 Gabbro

2 Serpentinized peridotite

3 Orange weathering carbonated intrusive

4 Shales
- a) oxidized
- b) sericitized

5 Mafic volcanics, green schist
- a) locally pillowed
- b) rare limestone beds

Strike & dip

Schistosity

40 Fold axis, plunge

Fault (trend and plunge of striation)

Lithological contact (presumed from mag.)

Anticlinal axis (direction of plunge)

Area of outcrop

x Outcrop

Camp

Thrust fault

REVISED

VAIL PROPERTY

GEOLOGY MAP

PROJ. No. : 346

N.T.S. : 115 A/13

MAP No.:

SURVEY BY : D. HEON DATE : NOVEMBER 1990

DRAWN BY : HANDESIGN SCALE : 1 : 10,000

NORANDA EXPLORATION

OFFICE : WHITEHORSE

MAP# 115-A-13 (33)

092902



SCALE 1 : 10,000

0.25 0 0.25 0.50 0.75 1 km

ELEVATION IN FEET
CONTOUR INTERVAL = 100 FEET

LEGEND

R121995 X Sample from outcrop

R121997 △ Sample from float

——— Lithological contact (presumed from mag.)

R84256 □ 1989 Sample (approximate location)

REVISED

VAIL PROPERTY

ROCK SAMPLE LOCATION MAP

PROJ. No. : 346

N.T.S. : 115 A/13

MAP No. :

SURVEY BY : D. HEON DATE : NOVEMBER 1990

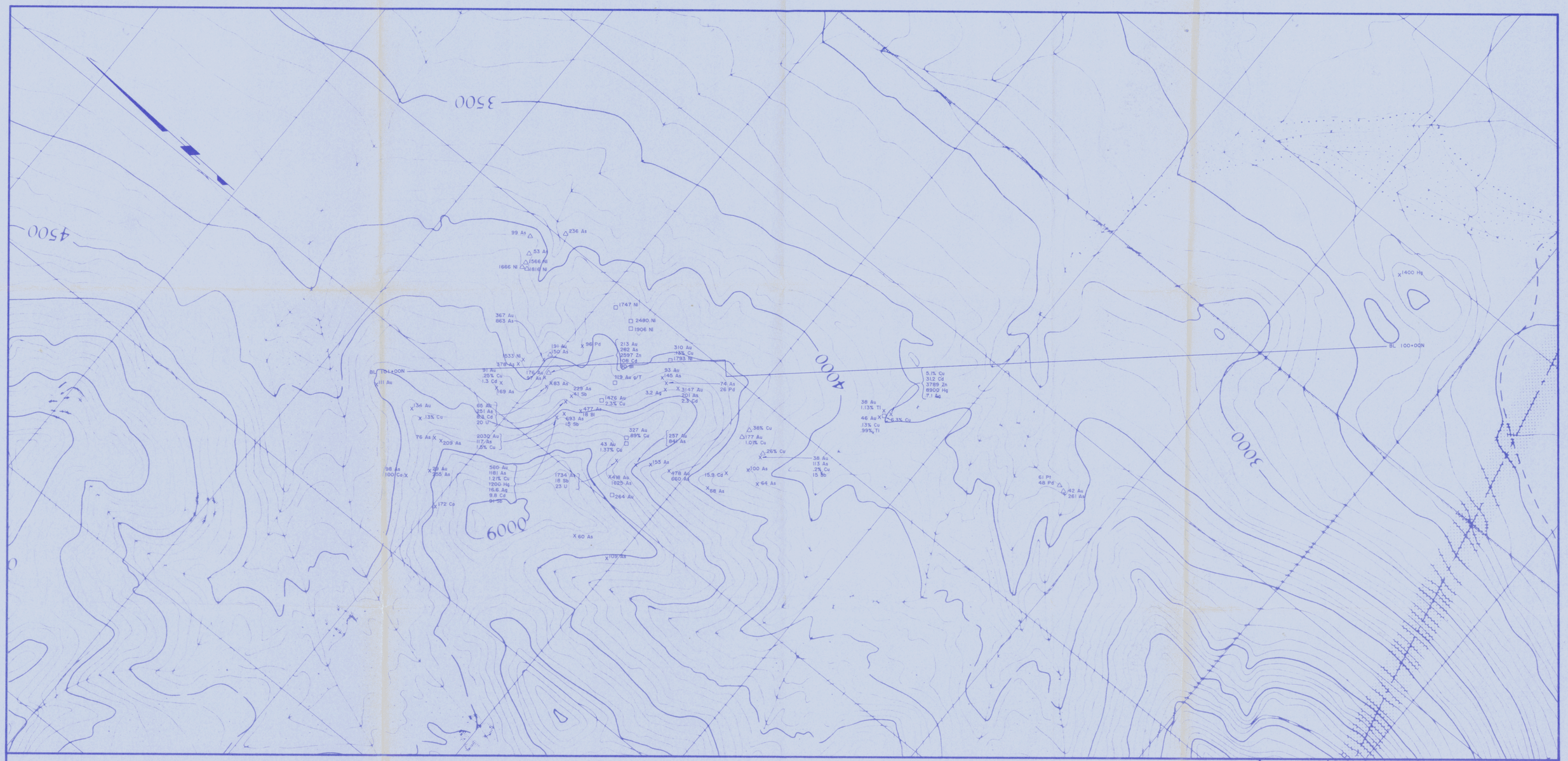
DRAWN BY : HANDESIGN SCALE : 1:10,000

NORANDA EXPLORATION

OFFICE : WHITEHORSE

(84) MAP# 115-A-13

092902



SCALE 1 : 10,000

0.25 0 0.25 0.50 0.75 1 km

ELEVATION IN FEET
CONTOUR INTERVAL = 100 FEET

LEGEND :

X 1990 ROCK SAMPLE

△ 1990 FLOAT SAMPLE

□ 1989 SAMPLE

Thresholds : Au > 25 ppb
As > 50 ppm
Cu > 0.1 %
Ni > 1500 ppm

All elements in 'ppm' except Au, Hg, Pt, Pd which are in 'ppb'

REVISED

VAIL PROPERTY

SIGNIFICANT
ROCK SAMPLE
RESULTS

PROJ. No. : 346

N.T.S. : 115 A/13

MAP No. :

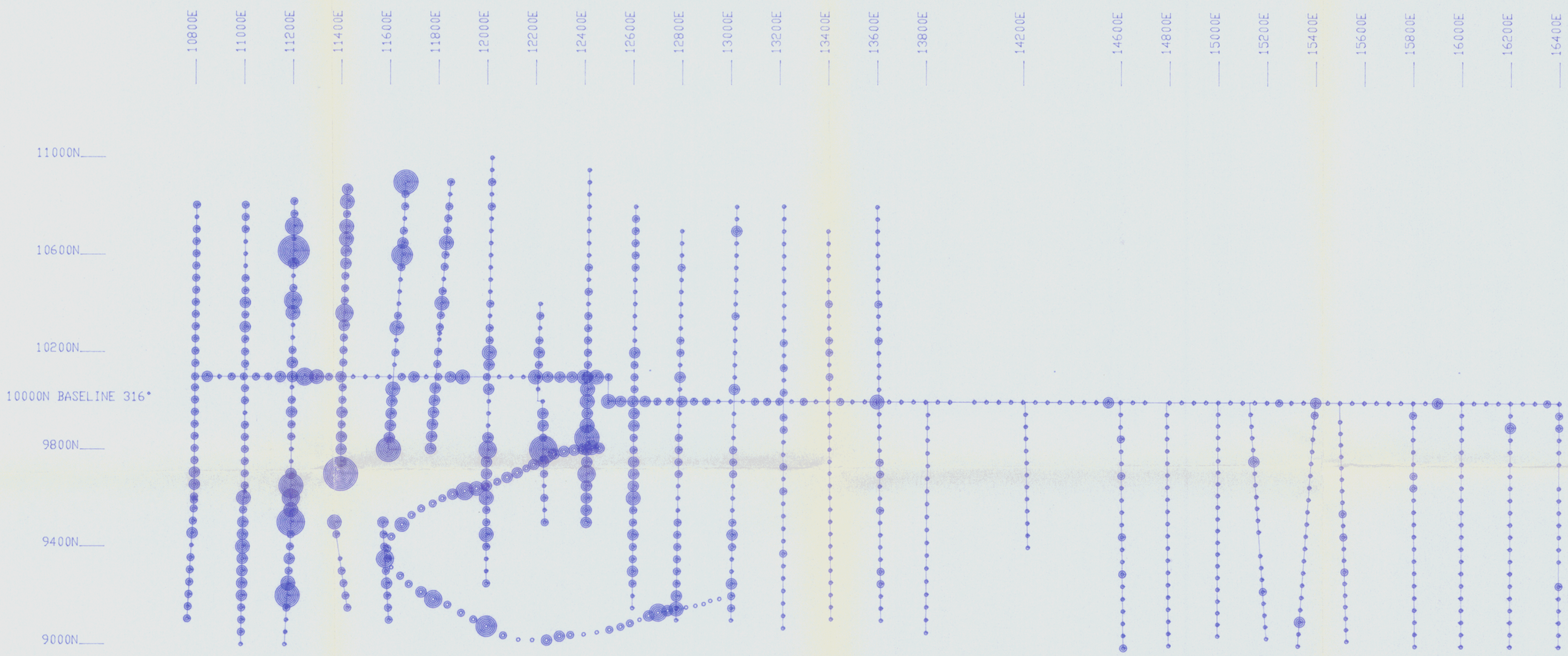
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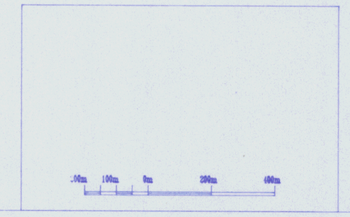
DRAWN BY : HANDESIGN SCALE : 1 : 10,000

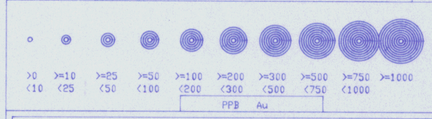
NORANDA EXPLORATION

OFFICE : WHITEHORSE

092902 MAPS 115-A-13 (35)







VAIL

SOIL GEOCHEMICAL SURVEY

PPB Au

PROJECT: VAIL PROJECT # : 346

BASELINE AZIMUTH : 316 Deg.

SCALE = 1:10000 DATE : 6/24/90

SURVEY BY : DH NTS : 115A13

FILE: C346VAI

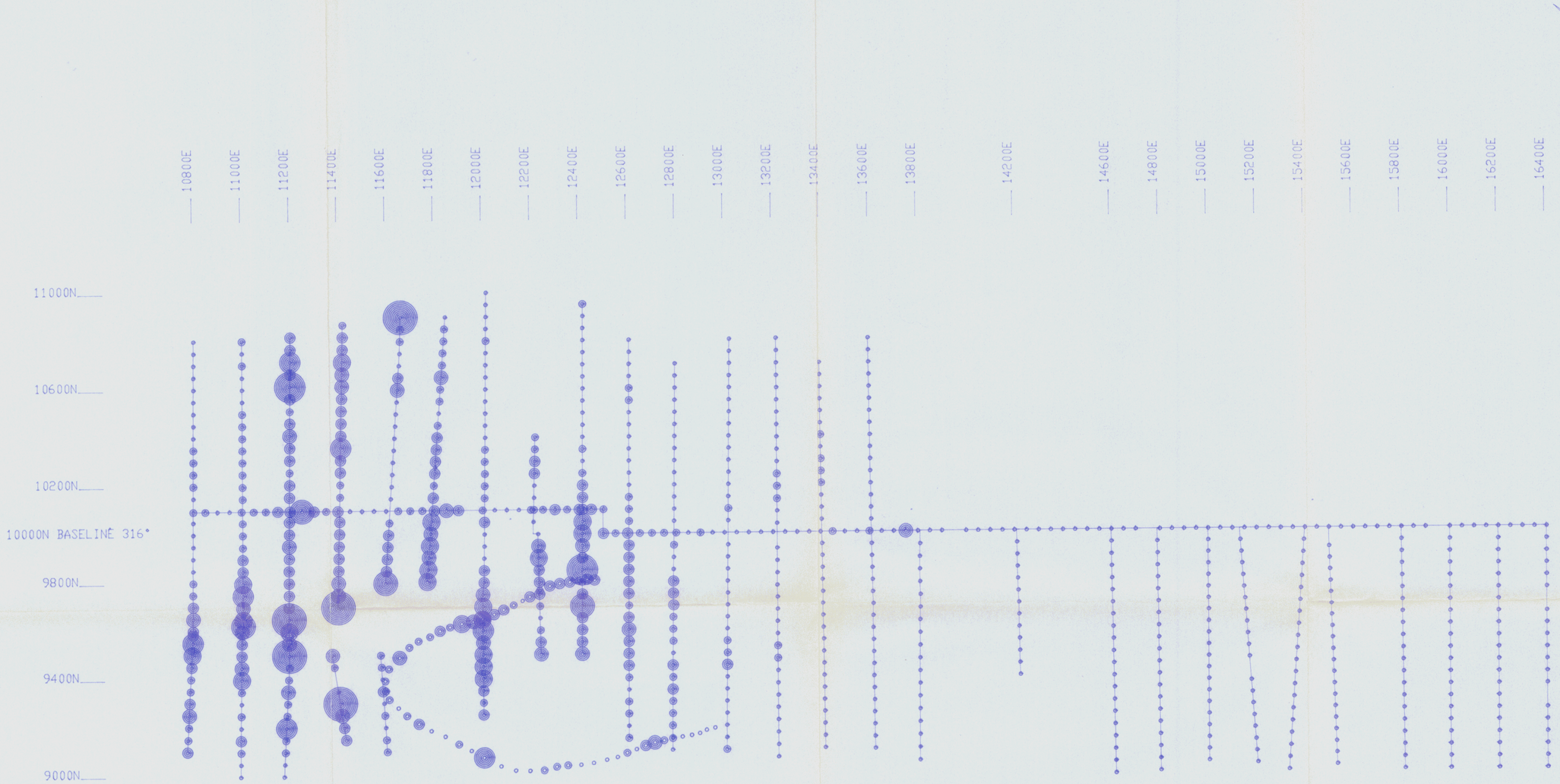
NORANDA EXPLORATION

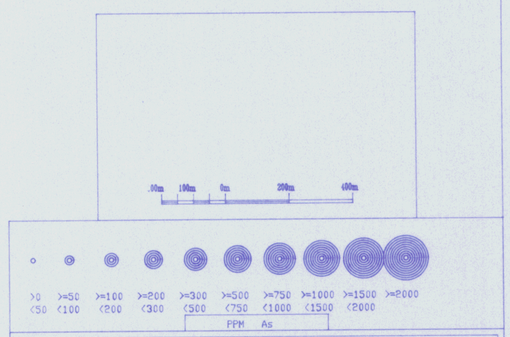
noranda
NORANDA EXPLORATION CO. LTD.

092902

(36) MAP 115-A-13

Vers. 3.02 Mon 19 Nov 1990 at 13:36 Centre of plot at 13600.0E/10000.0N Serial # C90140, Registered User : NORANDA EXPLORATION





VAIL

SOIL GEOCHEMICAL SURVEY

PPM As

PROJECT: VAIL PROJECT # : 346

BASELINE AZIMUTH : 316 Deg.

SCALE = 1:10000 DATE : 6/24/90

SURVEY BY : DH NTS : 115A13

FILE: C346VAI

NORANDA EXPLORATION

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092902

(37) NAP# 115-A-13

Vers. 5.02 Mon 19 Nov 1990 at 13:56 Centre of plot at 13600.0E/10000.0N Serial # C90140, Registered User : NORANDA EXPLORATION

10800E 11000E 11200E 11400E 11600E 11800E 12000E 12200E 12400E 12600E 12800E 13000E 13200E 13400E 13600E 13800E 14200E 14600E 14800E 15000E 15200E 15400E 15600E 15800E 16000E 16200E 16400E

11000N
10600N
10200N
10000N BASELINE 316°
9800N
9400N
9000N

200m 100m 0m 200m 400m

>0 <100 | >=100 <200 | >=200 <300 | >=300 <500 | >=500 <750 | >=750 <1000 | >=1000 <1500 | >=1500 <2000 | >=2000 <3000 | >=3000

PPM Cu

VAIL

SOIL GEOCHEMICAL SURVEY
PPM Cu
PROJECT: VAIL PROJECT # : 346
BASELINE AZIMUTH : 316 Deg.

SCALE = 1:10000 DATE : 6/24/90
SURVEY BY : DH NTS : 115A13
FILE: C346VAI
NORANDA EXPLORATION

noranda
NORANDA EXPLORATION CO. LTD.

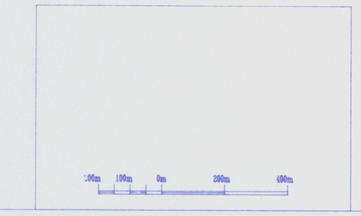
092902

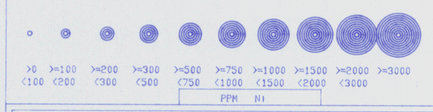
MAP 115-A-13

Vers. 5.02 Mon 19 Nov 1990 at 13:56 Centre of plot at 13600.0E/10000.0N Serial # C90140, Registered User : NORANDA EXPLORATION

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11000N
10600N
10200N
10000N BASELINE 316°
9800N
9400N
9000N





VAIL

SOIL GEOCHEMICAL SURVEY
PPM Ni
PROJECT: VAIL PROJECT # : 346
BASELINE AZIMUTH : 316 Deg.

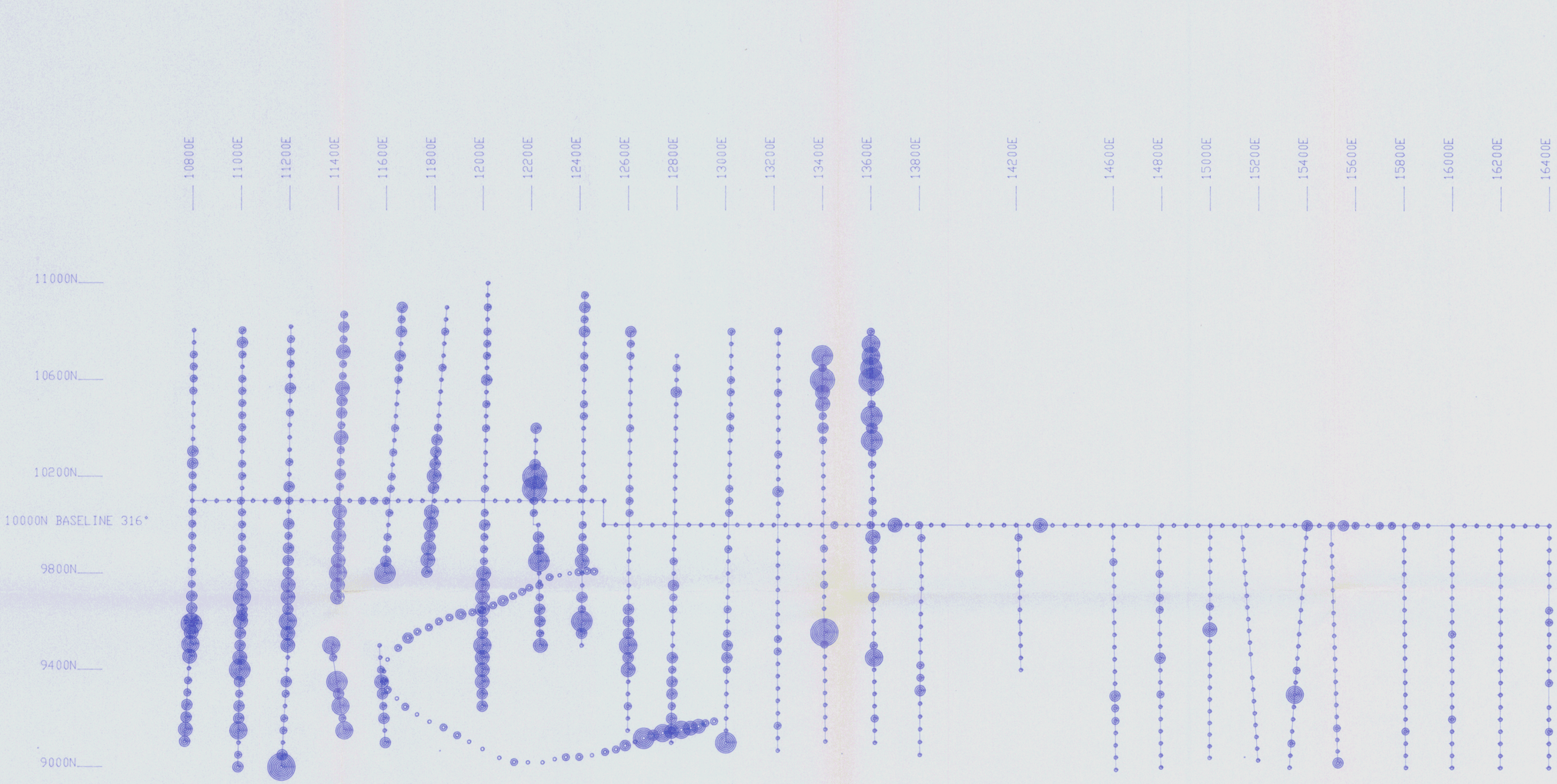
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SURVEY BY : DH NTS : 115A13
FILE: C346VAI
NORANDA EXPLORATION

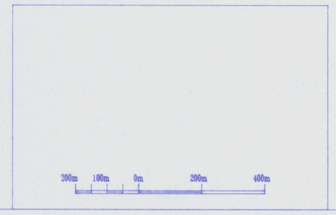
noranda
NORANDA EXPLORATION CO. LTD.

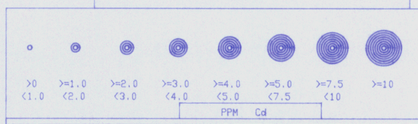
092902

MAP# 115-A-13
(39)

Vers. 5.08 Mon 19 Nov 1990 at 13:36 Centre of plot at 13600.0E/10000.0N Serial # C90140, Registered User = NORANDA EXPLORATION







VAIL

SOIL GEOCHEMICAL SURVEY

PPM Cd

PROJECT: VAIL PROJECT # : 346

BASELINE AZIMUTH : 316 Deg.

SCALE = 1:10000 DATE : 6/24/90

SURVEY BY : DH NTS : 115A13

FILE: C346VAI

NORANDA EXPLORATION

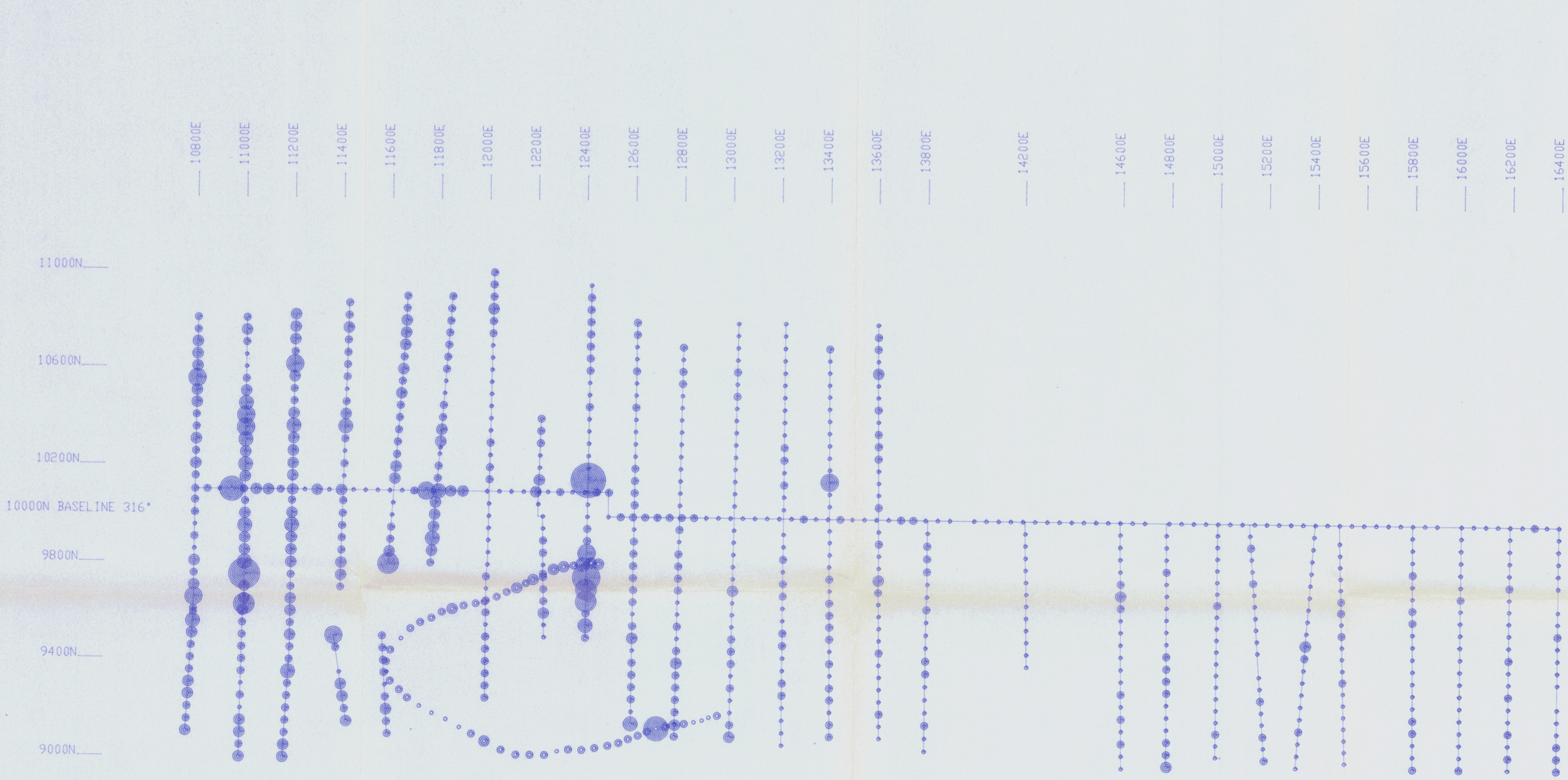
noranda

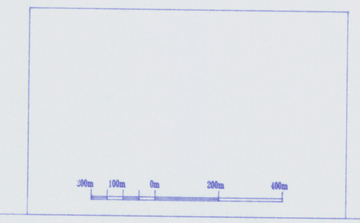
NORANDA EXPLORATION CO. LTD.

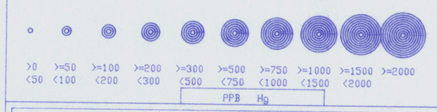
092902

MAP#115-A-13

Ver. 5.02 Mon 19 Nov 1990 at 13:56 Centre of plot at 13600.0E/10000.0N Serial # C90146, Registered User : NORANDA EXPLORATION







VAIL

SOIL GEOCHEMICAL SURVEY
PPB Hg
PROJECT: VAIL PROJECT # : 346
BASELINE AZIMUTH : 316 Deg.

SCALE = 1:10000 DATE : 6/24/90
SURVEY BY : DH NTS : 115A13
FILE: C346VAI
NORANDA EXPLORATION

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NORANDA EXPLORATION CO. LTD.

092902

(41) MAP# 115-A-13

Mon 19 Nov 1990 at 13:56 Centre of plot at 13600.0E/10000.0N Serial # C90140, Registered User : NORANDA EXPLORATION



LEGEND

- Au in rocks > 100 ppb
- Au in rocks > 1000 ppb
- Cu in rocks > 0.1%
- Target Area
- Au in soil, > 50 ppb
- Au in soil, > 200 ppb
- Au in soil, > 850 ppb
- Cu in soil, > 500 ppb
- Cu in soil, > 3000 ppb
- (1) High Ni values, associated with Gabbro and Serpentine contact
- (2) High Ni values, associated with Gabbro and Gold soil anomaly
- (3) Ni soil anomaly > 4000 ppm

▷ Traverse Soil Location

200m 100m 0m 200m 400m

VAIL

COMPILATION MAP

PROJECT: VAIL PROJECT # : 346
BASELINE AZIMUTH : 316 Deg.

SCALE = 1:10000 DATE : 6/24/90
SURVEY BY : DH NTS : 115A13
FILE: C346VAI

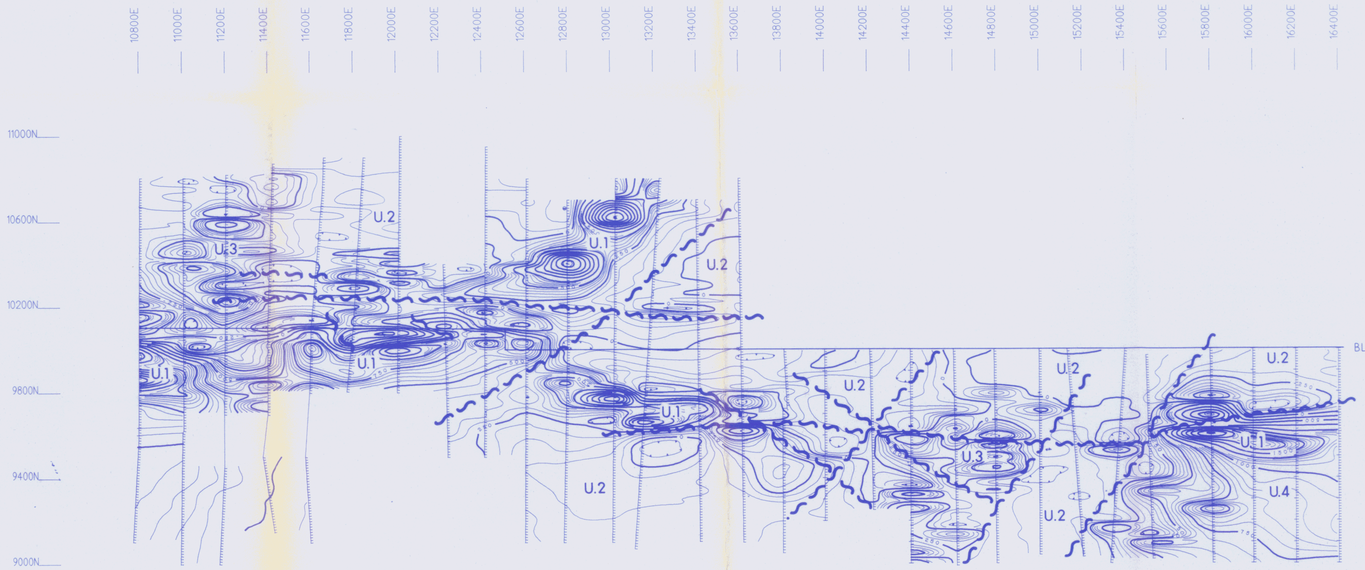
NORANDA EXPLORATION

noranda
NORANDA EXPLORATION CO. LTD.

092902

(42) MAP# 115-A-13

5.02 Mon 19 Nov 1990 at 13:56 Centre of plot at 13600.0E/10000.0N Serial # C90140, Registered User : NORANDA EXPLORATION



U.1 Magnetic Unit

~~~ Interpreted Magnetic Break

Instrument : GMX14
Field : TOTAL
Datum : 57000.0 nT

Contour Interval : 50nT

Conductor Axis :

200m 100m 0m 200m 400m

092902

VAIL PROPERTY

MAGNETOMETER SURVEY

PROJECT: VAIL PROJECT # : 346
BASELINE AZIMUTH : 135 Deg.

SCALE = 1 :10000 DATE : 8/ 8/90
SURVEY BY : AMEROK NTS :
FILE: Mvail
NORANDA EXPLORATION

Fri 16 Nov 990 at 1530 Centre of plot at 12600.0E/10000.0N Serial # MBPM3 Registered User : NORANDA EXPLORATION
~~~

10800E 11000E 11200E 11400E 11600E 11800E 12000E 12200E 12400E 12600E 12800E 13000E 13200E 13400E 13600E 13800E 14000E 14200E 14400E 14600E 14800E 15000E 15200E 15400E 15600E 15800E 16000E 16200E 16400E

11000N

10600N

10200N

10000N BASELINE 135°

9800N

9400N

9000N



Instrument : OMNI4
Field : TOTAL
Datum : 57000.0 nT

Contour Interval :

Profile Scale : 500 nT / Cm

Conductor Axis :

200m 100m 0m 200m 400m

VAIL

MAGNETOMETER SURVEY

PROJECT: VAIL PROJECT # : 346
BASELINE AZIMUTH : 135 Deg.

SCALE = 1 :10000 DATE : 8/ 8/90
SURVEY BY : AMEROK NTS :
FILE: Mvail
NORANDA EXPLORATION

Vers. 5.02 Wed 21 Nov 1990 at 17:44 Centre of plot at 13600.0E/10000.0N Normal profile centred on 1000.0 nT Serial # M90140 Registered User : NORANDA EXPLORATION

092902

(44) MAP# 115-A-13