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**GEOLOGICAL, GEOCHEMICAL, &
GEOPHYSICAL REPORT ON THE
BALL CREEK PROPERTY**

N.T.S. 104 G/08
LIARD MINING DIVISION

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VANCOUVER, B.C.

NORANDA EXPLORATION COMPANY, LIMITED
(no personal liability)

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,617

Part 1 of 2

REPORT BY: TERRY CAMPBELL
MIKE SAVELL
TED WONG

NOVEMBER, 1990

TABLE OF CONTENTS

1.0	Summary	1
2.0	Introduction	2
	2.1 General Remarks	2
	2.2 Location and Access	2
	2.3 Claim Data	2
	2.4 Topography and Vegetation	3
	2.5 Previous work	3
3.0	Geology	4
	3.1 Regional Geology	4
	3.2 Local Geology	5
4.0	Geochemistry	7
	4.1 Soils	7
	4.1.1 Method	7
	4.1.2 South Grid	8
	4.1.3 North Grid	9
	4.2 Silts	10
	4.2.1 Method	10
	4.2.2 Results	10
	4.3 Rocks	10
	4.3.1 Method	10
	4.3.2 Results	10
	4.4 Petrographic analysis	11
5.0	Geophysics	11
	5.1 Instrumentation	11
	5.2 Discussion of Results	12
6.0	Conclusions	13
7.0	Recommendations	14
8.0	References	15

LIST OF TABLES

TABLE 1	Claim data
TABLE 2	Table of Formations

APPENDICES

APPENDIX I	Statement of Qualifications
APPENDIX II	Statement of Costs - Ball South
APPENDIX III	Statement of Costs - Ball Central
APPENDIX IV	Statement of Costs - Ball North
APPENDIX V	Analytical Procedure
APPENDIX VI	Certificates of Analysis - Soils
APPENDIX VII	Certificates of Analysis - Stream Sediments
APPENDIX VIII	Certificates of Analysis - Rocks
APPENDIX IX	Rock Sample Descriptions
APPENDIX X	Petrographic Report

LIST OF FIGURES.

FIG. 1	Location Map	1:8,000,000	2a
FIG. 2a	Claim Map (south group)	1:50,000	2b
FIG. 2b	Claim Map (central group)	1:50,000	2c
FIG. 2c	Claim Map (north group)	1:50,000	2d

(in pockets at rear of report)

FIG. 3	Geology and sample locations - Southern Half	1:10,000	
FIG. 4	Geology and sample locations - Northern Half	1:10,000	
FIG. 5	Ag soil Geochemistry (south grid)	1: 5,000	
FIG. 6	As Soil Geochemistry (south grid)	1: 5,000	
FIG. 7	Cu Soil Geochemistry (south grid)	1: 5,000	
FIG. 8	Pb Soil Geochemistry (south grid)	1: 5,000	
FIG. 9	Sb Soil Geochemistry (south grid)	1: 5,000	
FIG. 10	Zn Soil Geochemistry (south grid)	1: 5,000	
FIG. 11	Ag Soil Geochemistry (north grid)	1: 5,000	
FIG. 12	As Soil Geochemistry (north grid)	1: 5,000	
FIG. 13	Cu Soil Geochemistry (north grid)	1: 5,000	
FIG. 14	Pb Soil Geochemistry (north grid)	1: 5,000	
FIG. 15	Zn Soil Geochemistry (north grid)	1: 5,000	
FIG. 16	HLEM Survey	1: 5,000	
FIG. 17	Magnetic Survey (profile form)	1: 5,000	
FIG. 18	Magnetic Survey (contour form)	1: 5,000	

1.0 SUMMARY

The Ball Creek property was staked to acquire ground containing several large soil gossans from which Au and Zn silt geochem anomalies appeared to originate. During the 1990 field season 1142 soil, 163 rock and 18 silt samples were collected. The soil samples were collected from two separate grids with stations at 25 m intervals along wing lines spaced 200 metres apart. Several zones on the southern grid are outlined as Zn-Ag-As-Pb-Sb anomalies. On the northern grid an As-Ag-Pb-Zn anomaly is located in the south eastern corner and a small As anomaly is centred at 1900N, 9825E.

Local lithologies consist of Middle Jurassic volcanics and sediments. Volcanics are composed of andesite, basalt and rhyolite; sediments consist of argillite, pebble conglomerate and interbedded argillite/siltstone. Mineralization on the property is predominantly pyrite occurring as disseminated blebs in andesite and as massive veinlets in argillite. Oxidation of these zones has produced several vivid red-orange gossans. Mineralized boulders containing chalcopyrite, galena and pyrite were discovered in the northern part of the property; analytical results range up to 15,663 ppm Cu, 18,495 ppm Pb, 14,725 ppm Zn and 4,690 ppb Au.

Results from the 18 silt samples are not encouraging.

Further work should concentrate on the area of mineralized boulders in the northern part of the property. Detailed prospecting, geology and geochemistry should be completed in an attempt to locate the bedrock source of the mineralization.

Follow-up of anomalies located by the airborne geophysical survey should be undertaken as warranted.

2.0 INTRODUCTION

2.1 GENERAL REMARKS

The Ball Creek property was staked by Noranda in the fall of 1989 and spring of 1990 to acquire ground containing several large gossans which appear to be the source of multielement silt anomalies detected by government surveys.

During the 1990 field season 1142 soil, 163 rock and 18 silt samples were collected. Two grids were established with wing lines 200 m apart and 25 m stations. Geological mapping was completed on the grids and surrounding areas. Ground magnetics and HLEM surveys were undertaken on the south grid. This report describes the results of these geological, geochemical, and geophysical surveys.

High Frontier Resources Ltd is currently earning a 50% interest in the property by providing funds of \$1,000,000 for exploration expenditures.

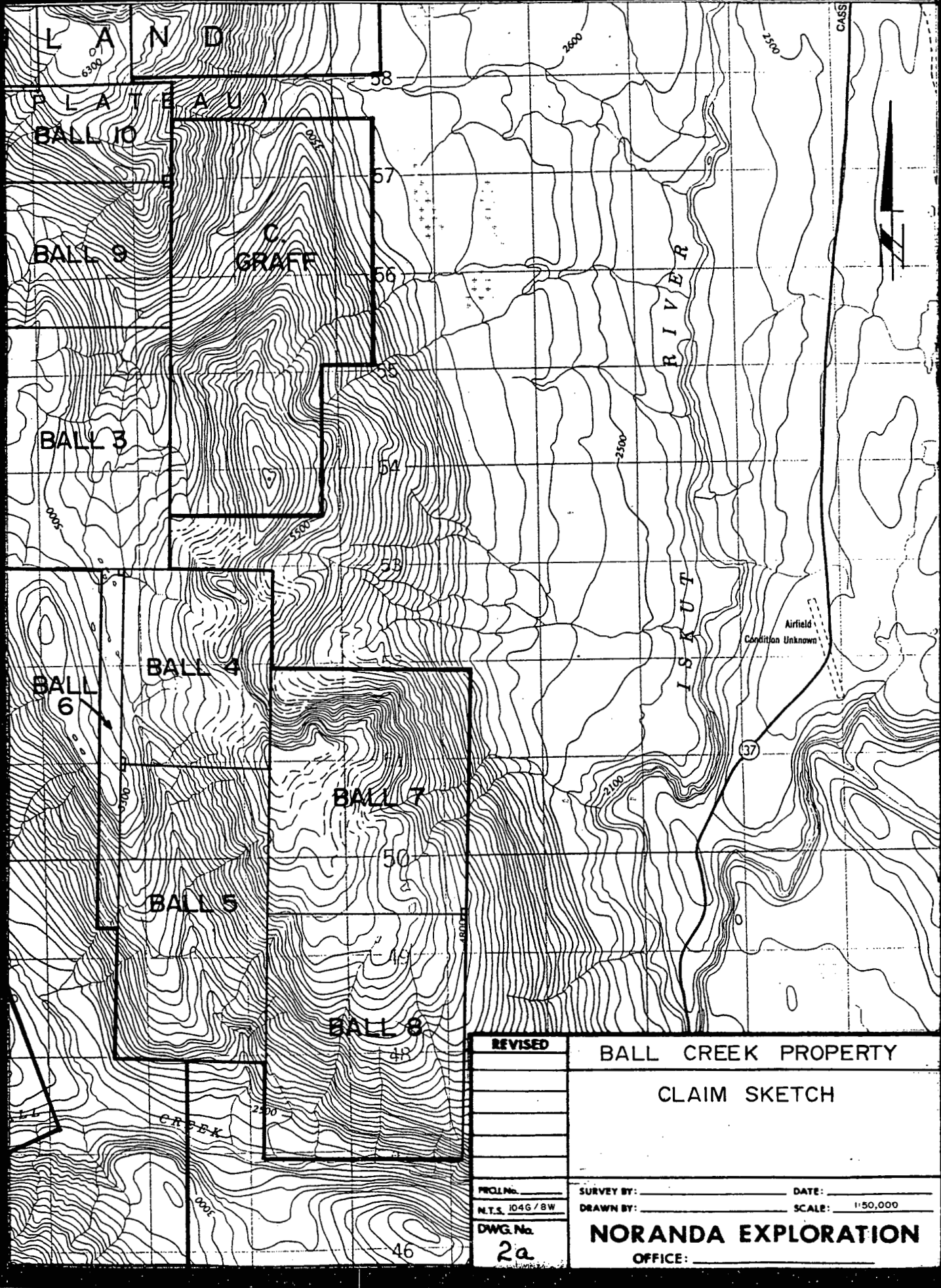
2.2 LOCATION & ACCESS

The Ball Group of claims are situated 7 km northwest of the Burrage Creek airstrip located on highway 37 between Meziadin junction and Dease Lake. Access to the property is by helicopter from the airstrip/highway 37.

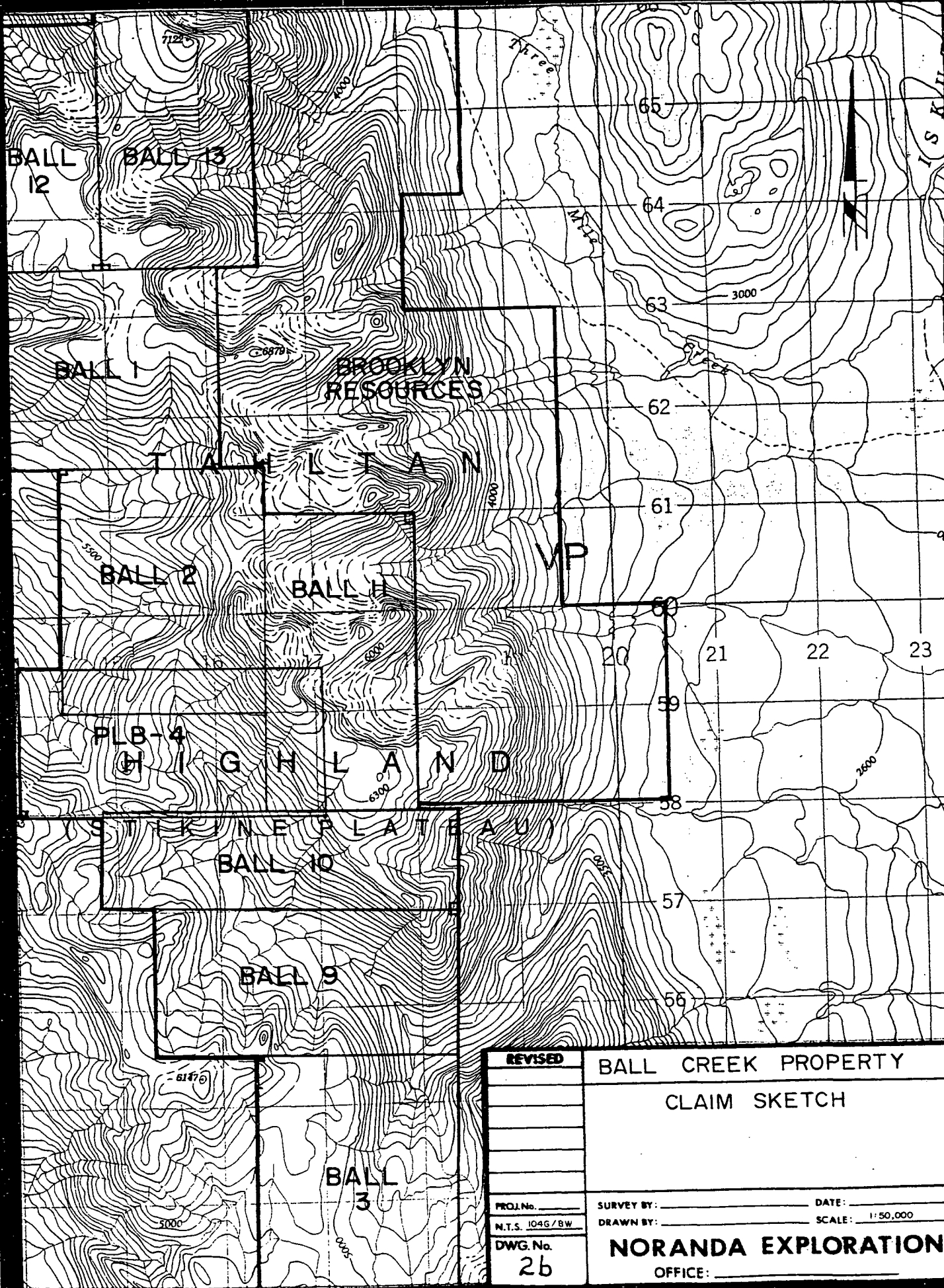
The claims are located in NTS 104 G/08 at 57 degrees 20 minutes North and 130 degrees 23 minutes West (Figure 1).

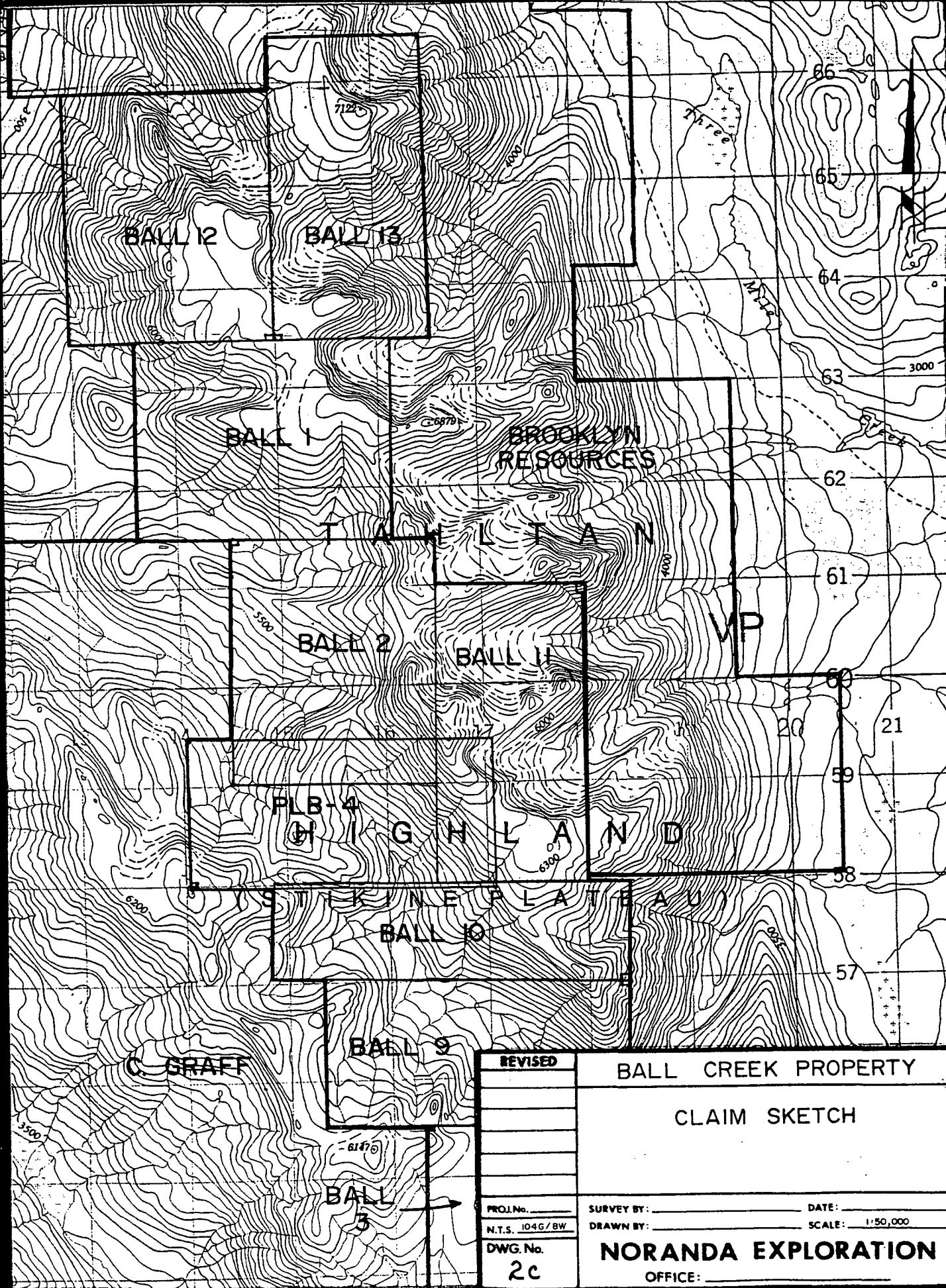
2.3 CLAIM STATISTICS

The property is comprised of three contiguous claim blocks as shown in figures 2a, 2b, and 2c. Upon acceptance of filed assessment, the claims will be in good standing as indicated below.



REVISED	BALL CREEK PROPERTY	
	CLAIM SKETCH	
PROJ. No. _____	SURVEY BY: _____	DATE: _____
N.T.S. 1046/8W	DRAWN BY: _____	SCALE: 1:50,000
DWG. No. 2a	NORANDA EXPLORATION	
	OFFICE: _____	





REVISED	BALL CREEK PROPERTY	
	CLAIM SKETCH	
PROJ. No. _____	SURVEY BY: _____	DATE: _____
N.T.S. 1:046/BW	DRAWN BY: _____	SCALE: 1:50,000
DWG. No. 2c	NORANDA EXPLORATION	
	OFFICE: _____	

Table 1. Ball Creek Claims

Claim	Units	Record #	Record Date	Expiry Date	Group Name
Ball 1	20	6405	Sept 10, 1989	1992	Ball North
Ball 2	20	6406	Sept 10, 1989	1992	Ball Central
Ball 3	20	6407	Sept 11, 1989	1992	Ball Central
Ball 4	12	6408	Sept 11, 1989	1992	Ball South
Ball 5	18	6409	Sept 10, 1989	1992	Ball South
Ball 6	18	6927	Feb 22, 1990	1993	Ball South
Ball 7	20	6928	Feb 22, 1990	1993	Ball South
Ball 8	20	6929	Feb 22, 1990	1993	Ball South
Ball 9	18	6930	Feb 22, 1990	1993	Ball Central
Ball 10	16	6931	Feb 22, 1990	1993	Ball Central
Ball 11	18	6932	Feb 22, 1990	1993	Ball Central
Ball 12	20	6933	Feb 22, 1990	1993	Ball North
Ball 13	18	6934	Feb 22, 1990	1993	Ball North

2.4 TOPOGRAPHY & VEGETATION

The area is characterized by a linear ridge of mountains with deeply incised creek valleys that rise up to form a broad valley in the Ball 3 claim area. There are several ice fields on the claims and patches of snow remain year round on north facing slopes. Elevations range from 682 to 2208 metres.

Large portions of the claims are covered with talus, rubble and gravels. Vegetation consists of patches of alpine grasses and scrub trees above treeline and the lower valley bottoms are forested with mature coniferous trees.

2.5 PREVIOUS WORK

There is no record of any previous work being performed on the property. Mineral claims have been held on parts of the ground in the past.

3.0 GEOLOGY

3.1 REGIONAL GEOLOGY

The area lies near the western edge of the Intermontane Belt of the Canadian Cordillera, where it parallels the Coast Plutonic Complex. Recent work by both the Geological Survey of Canada and the Geological Services Branch of British Columbia provides a framework of the complex geology of this rugged area. The area includes four, unconformity bounded, tectonostratigraphic assemblages: 1) Paleozoic Stikine Assemblage; 2) Triassic-Jurassic volcano-plutonic complexes of Stikinia; 3) Middle and Upper Jurassic Bowser overlap assemblage; and 4) Tertiary Coast Plutonic Complex (Anderson, 1989). This section of the Intermontane Belt forms the west limb of the "Stikine Arch," a roughly horseshoe shaped area of Upper Triassic to Jurassic stratigraphy that hosts most of the significant mineral deposits in northwest B.C. and also the Toodoggone gold camp.

The Paleozoic Stikine Assemblage contains the oldest stratigraphy and is divisible into three distinct, volcanic-carbonate units: Early Devonian limestones and intermediate to felsic volcanics; Mississippian bioclastic limestones; and Permian fragmental volcanics and limestone. These rocks are generally metamorphosed and highly deformed.

The Triassic-Jurassic volcano-plutonic complexes (Stewart Complex) consists of both the Triassic Stuhini Group and the Jurassic Hazleton Group. The Stuhini Group consists of limestones and mafic volcanics deposited in an island arc environment. The Stuhini hosts the Snip and Johnny Mountain structural gold deposits. Hazleton Group rocks consist of andesitic breccias/lavas, felsic tuffs/breccias, and maroon-green volcanic sediments (siltstone, greywacke, conglomerate and black shale) deposited in an island arc environment. Black shales (Eskay Creek Facies) overlying felsic volcanics (Mt. Dilworth Fm) host the Eskay Creek gold deposits.

Sub-volcanic intrusions accompany most of the volcanic centres of the Mesozoic island arcs and range from Alaskan type ultramafics to felsic dykes. Distinctive porphyritic dykes link Upper Triassic and Lower Jurassic volcanics with their plutonic equivalents. Many of the significant mineral deposits in the Stewart Complex are found to have a close association with volcanic centres.

The Middle and Upper Jurassic Bowser Overlap Assemblage predominantly consists of turbidite black clastics deposited in the Bowser Basin which formed as a result of uplift to the west due to emplacement of the Coast Range Intrusives.

The Tertiary Coast Plutonic Complex consists of post-tectonic, felsic plutons. Eastward younging of strata and local zones of high strain attest to intrusion and uplift of the complex.

Locally, Tertiary to Recent subaerial volcanics cover low lying areas.

The prime target of current exploration on the property is a precious metal enriched polymetallic massive sulphide deposit similar to that at Eskay Creek. The Eskay Creek deposit is contained within black argillites and mudstones of the Eskay Creek Facies immediately hanging wall to felsic volcanics of the Mt. Dilworth Formation. The deposit consists mainly of pyrite, sphalerite, and galena with minor arsenic, antimony and mercury sulphides in both stratiform and crosscutting massive and stringer zones. Both exhalative and epithermal processes may have contributed to the formation of the deposit.

3.2 LOCAL GEOLOGY

The Ball Creek property is underlain by Middle Jurassic volcanics and sediments. Volcanics consist of medium to dark grey-green pillowed andesite and dacite, dark grey basalt, tan to medium brown trachytic tuffs, rhyolite and fine grained synvolcanic intrusives. Sediments are comprised of black argillites, fine grained welded tuffs, and dark grey to black siltstones. Based on stratigraphic relationships and fossil assemblages, this volcano-sedimentary package of rocks has been correlated with the "Eskay Creek Facies" by the G.S.C. The thin, laterally extensive horizons of felsic volcanics are considered to be Mt. Dilworth Formation equivalents.

Lithologies

Unit 1 - Trachytic tuff - medium to dark grey.

Unit 2 - Syenitic/Trachytic crystal lithic tuff/breccia - tan to light brown.

- Unit 3 - Argillite and Welded Tuff - black, very fine grained, laminated, pyritic; mappable units include pebble conglomerate (3a) and interbedded siltstone and argillite (3b). Distinction between argillite and tuff visible only in thin section.
- Unit 4 - Andesite/Dacite - medium to dark grey-green, aphanitic to feldspar porphyritic, occasional zeolite filled amygdules. Extensive sections of well preserved pillows with minor flows and pillow breccias. Gossanous weathering is due to oxidation of disseminated and stringer pyrite in bleached/altered areas. Includes thin, though laterally extensive pale amygdaloidal rhyolites and cherts (4a).
- Unit 5 - Basaltic Flows/Volcanoclastics - dark grey to black, massive, fine grained.
- Unit 6 - Brecciated, Altered Trachytic Tuff - pale brown to green, Probably of Tertiary age.
- Unit 7 - Microdiorite - dark green to black, fine grained hornblende diorite.

Structure

Attitudes of sedimentary beds found on the property strike from 320° to 340° and dip 10° to 60° to the east. The sedimentary package of argillite and interbedded argillite and siltstone is sandwiched between two periods of volcanic activity. Outcrops of tuff interbedded with rhyolites have approximately the same attitudes as the sediments. Several small quartz veins located near 1220N, 10250E have an attitude of 292 Azm/70 S.

Alteration

Alteration is observed within volcanic units that contain pyrite. Weak chloritic, sericitic, silicic and argillic alteration is manifested by oxidation and bleaching. The presence of sphene and potassic feldspars was observed in thin section.

Mineralization

Mineralization found on the property includes disseminated and stringer pyrite in veinlets up to 3 cm thick. Disseminated pyrite is found in the green andesites and occasionally in the rhyolites, weathering of which produces the gossans present. Percentages of pyrite range to 3-4% of the rock volume. Several boulders of quartz-calcite vein material discovered on Ball 12 and 13 contain minor pyrite, galena, chalcopyrite and trace amounts of malachite. Several dozen of these boulders were observed on the overburden covered slope and high plateau over a 300 by 600 metre area. The boulders are subangular and range in size from a few centimetres to 50 centimetres in diameter. Analytical results are listed in the rock geochemistry section below. Minor stibnite was observed in float of quartz-carbonate veined and altered volcanic material in the west-central area of the south grid; silver and gold values are negligible.

4.0 GEOCHEMISTRY

4.1 SOILS

4.1.1 Method

During the 1990 field season, two soil grids 5.8 km apart were established using compass/hipchain techniques. Stations were established at 25 metre intervals on wing lines spaced 200 metres apart. The southern grid consisted of a 5.3 km baseline orientated at an azimuth 340°, and contained 26 km of grid lines; the northern grid had a 1.75 km baseline orientated at an azimuth 340°, and 10.2 km of grid lines.

A total of 1142 "B" horizon soil samples were collected during the 1990 field season. The samples were collected from depths between 15 and 35 cm, placed in kraft wet-strength paper bags, dried and then sent to Noranda's lab at 1050 Davie Street, Vancouver, B.C. for analysis. Samples were analyzed for 30 elements by ICP and Au by AA. Ag, As, Cu, Pb, Sb, and Zn results are plotted on 1:5,000 scale maps accompanying this report. Selected contour intervals are plotted. The analytical procedure is described in Appendix II and Certificates of Analysis listed in Appendix III.

4.1.2 Southern Grid

Gold: No significant results obtained.

Silver: Sample values range from 0.1 to 3.1 ppm, with values greater than 1.0 ppm considered to be anomalous; 26 sample values are anomalous. Several linear anomalies are located east of the baseline between 9800N and 11000N. The largest anomaly extends from 10200N to 10800N and is up to 50 metres wide.

Arsenic: Sample values range from 2 to 202 ppm, with values greater than 30 ppm considered to be anomalous. The largest anomaly extends from 9800N to 11200N, east of the baseline and is up to 250 metres in width. The second largest anomaly extends from 9200N to 10200N and is located to the west of the baseline.

Copper: Sample values range from 7 to 212 ppm, with values greater than 60 ppm considered to be anomalous.

Lead: Sample values range between 2 and 67 ppm with approximately 100 values greater than 25 ppm considered to be anomalous. Several small linear anomalies are located from 9800N to 11200N, on and to the east of the baseline. Several small anomalies are scattered throughout the grid.

Antimony: Values range between 2 and 57 ppm with 34 values greater than 10 ppm considered to be anomalous. Four small anomalies trending approximately 350 degrees are located near the baseline between 9200N and 10400N.

Zinc: Values range between 74 and 2716 ppm with values greater than 500 ppm considered to be anomalous. A large anomaly is located east of the baseline from 9800N to 11200N and is up to 750 m in width. Several small anomalies are found to the south of L8200N.

Three distinct anomalies have been defined and are shown on figure 10.

Anomaly 1 covers a 500 by 1700 metre area which trends north-south and is open to the north. This is a Zn - As anomaly with values ranging between 500 and 2716 ppm Zn and 30 and 141 ppm As. Approximately 20% of this area is covered with scattered clusters of Cu values from 60 to 134 ppm. Pb values range from 25 to 66 ppm and are restricted to a 100 to 200 meter wide strip paralleling the west side of the anomaly. Scattered anomalous Ag values (1 to 3.1 ppm) cover about 10% of the anomaly. A cluster

of anomalous Sb values (6 to 12 ppm) occur in the southwest corner of the anomaly. The anomaly appears coincident with black argillites and tuffs of unit 3.

Anomaly 2 shows significant As and Sb values over a 150 to 300 metre wide by 1200 metre long zone trending at 340 degrees Azimuth. Arsenic values range from 30 to 202 ppm, Antimony values from 6 to 57 ppm. Anomalous Cu (60 to 91 ppm) and Pb (25 to 70 ppm) values occur in a small area in the northeast corner of the anomaly. This anomaly coincides with a number of orange weathering frost boils containing fragments of quartz-carbonate veined and altered volcanic material.

Anomaly 3 consists of a somewhat poorly developed zone containing coincident anomalous Zn, Cu, As and Sb levels over a 200 to 400 metre wide by 1200 metre long area trending north-south. This anomaly appears coincident with black argillites and tuffs of Unit 3.

4.1.3 Northern Grid

Gold: No significant results were obtained.

Silver: Values range between 0.2 and 2.0 ppm with values greater than 1.0 ppm considered to be anomalous.

Arsenic: Values range from 2 to 3168 ppm with 38 values greater than 30 ppm considered to be anomalous. Anomalous values are contained in 2 areas, the larger of which is along line 18400N east of the baseline, with the second along line 19000N centred at 9825E.

Copper: Values range between 9 and 104 ppm with values greater than 100 ppm considered to be anomalous.

Lead: Values range between 2 and 36 ppm with 6 values greater than 25 ppm considered to be anomalous.

Zinc: Values range between 69 and 1208 ppm with 27 values greater than 500 ppm considered to be anomalous. Over 75% of the anomalous values are located in an area from 18400N to 18600N east of the baseline.

4.2 SILTS

4.2.1 Method

Eighteen silt samples were collected from active streams on the Ball Creek property. Samples were collected from active stream channels, placed into kraft "wet strength paper" bags, dried and shipped to Noranda's Lab at 1050 Davie St., Vancouver, B.C., for analysis. Some samples were analyzed for copper, zinc, lead, silver and gold, with the remainder analyzed for 30 elements by ICP and Au by geochem. Sample locations are plotted on 1:10,000 scale geology maps located in rear pockets (figures 3 and 4), and analytical results listed in Appendix IV.

4.2.2 Results

The silt samples returned no strongly anomalous values. Values up to 834 ppm Zn, 39 ppm As, and 5 ppm Sb were obtained from streams draining the grid soil anomalies.

4.3 ROCKS

4.3.1 Method

A total of 163 rock samples were collected and analyzed for 30 elements (ICP) and Au (A.A.). The samples were shipped to ACME Analytical Laboratories Ltd., 852 E. Hastings St., Vancouver, B. C. for analysis. Sample locations and significant results are plotted on figures 3 and 4; descriptions are listed in Appendix VI and certificates of analysis are in Appendix V.

4.3.2 Results

Of the 163 rock samples collected, only 5 contain significant values. These values are from the northern half of the property on the Ball 12 and 13 claims (Figure 4). Results are listed below.

(all values in ppm except where noted)

Sample #	Type	Cu	Pb	Zn	Ag	As	Au (ppb)
104742	float	15663	3091	14725	31.1	13	9
104745	float	1202	13261	8846	7.3	27	150
104746	float	1178	18495	3127	3.0	21	4
104747	float	6394	192	112	22.4	50	4690
134444	float	543	461	529	2.3	8	1690

The highest value obtained in the area of the soil geochem anomaly #1 was from #125908, a highly oxidized pyritic argillite or fine tuff at L10800N, 10575E, which contained 2379 ppm Zn, 392 ppm As, 27 ppm Sb, 1.3 ppm Ag, 117 ppm Cu and 26 ppm Pb. Similar material from anomaly #3 contained up to 641 ppm Zn, 263 ppm As and 25 ppm Sb.

4.4 PETROGRAPHIC ANALYSIS

Seven type samples were sent to Vancouver Petrographics Ltd., P. O. Box 39, 8080 Glover Road, Fort Langley, B.C. for thin section preparation and description. The report is provided in Appendix VIII. It should be noted that the type specimen for collected as black argillite was determined to be a fine grained, laminated welded tuff. Sample B was originally named as silicified andesite but was determined to be a rhyolite.

5.0 GEOPHYSICS

During September 1990, geophysical surveys consisting of Total Field Magnetics and Horizontal Loop Electromagnetics were completed on the Ball Creek Property. The purpose of the surveys was to aid in mapping of the local geology as well as delineation of potential areas of economic mineral deposits.

5.1 INSTRUMENTATION

The magnetics utilized EDA Omni 4 magnetometers with readings 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. Readings were taken at 12.5 m intervals along the survey lines.

Horizontal Loop Electromagnetic System

The HLEM survey utilized the Scintrex SE88 frequency EM system. This system is similar to standard HLEM systems such as the MaxMin II except that the percent ratio response of a transmitted and a reference frequency as compared to the usual in-phase and out-phase components is measured. Three transmitted frequencies, 337 Hz., 1012 Hz., and 3037 Hz., were used with a reference frequency of 112 Hz. To maximize the signal level the ratio response is integrated over a time period (usually less than 20 seconds), depending upon local noise levels. Coil spacing between receiver and transmitter was kept at 100 m. with a station interval of 25 m. Readings were stored in the receiver and later dumped onto computer disc.

5.2 DISCUSSION OF RESULTS

HLEM Survey

The HLEM survey was performed on portions of Lines 10400N to 11200N inclusive. The results are plotted in profile form at a scale of 1:5,000 on the SE-88 EM Survey Map (Figure 16) and show a near-surface (lithologic?) contact on Lines 10800N to 11200N. Poorly conductive rock/overburden is found on the east side of this contact in contrast to more resistive rock/overburden found on the west side. The contact is not present on Lines 10600N and 10400N and a number of factors may account for this such as a decrease in conductivity, a thinning of the conductive rock/overburden at the contact area, or a deepening of the contact. No discrete conductors are expressed on the profiles.

Magnetic Survey

The Magnetometer Surveys maps are plotted at a scale of 1:5,000 in profile and contour plan map form (Figures 17 and 18). Interpretation has been carried out on the contour map which shows a predominant NW-SE quiet magnetic zone sandwiched between more active zones and cut by E-W breaks. Geologic mapping indicated the quiet zone to be argillites (T.2) in contact with andesites (T.1). The western contact of these zones coincides with the HLEM contact discussed above however, the magnetic contact is more continuous.

The contact between andesites and argillites is not as clearly expressed in the middle of the grid as at the northern part and this may indicate an transition zone between these two rocks.

A unit of very low susceptibility (T.3) is hypothesized to lie just off the grid's south end with a transition zone between this unit and andesites expressed by the magnetic gradient found at the south.

The very intense magnetics found on the grid's western edge may represent andesites or more mafic volcanics with the northern expression in sharp contact with a band of argillites.

6.0 CONCLUSIONS

The Ball Creek property is underlain by Middle Jurassic volcanics and sediments of the Eskay Creek facies. Thin, laterally extensive felsic horizons may be distal equivalents of the Mt. Dilworth Formation.

The extensive soil geochem anomalies, widespread pyrite, alteration, minor stibnite and gold enriched quartz-sulphide vein material may be manifestations of a hydrothermal mineralizing system active during deposition of the black clastics. The similarities of the geological setting and geochemical signature to the Eskay Creek deposit make the property an attractive target. Further evaluation of the claims is warranted.

Geophysical surveys have mapped structural features and at least three different lithologies within or proximal to the survey grid. Since HLEM has not been successful in outlining potential zones of mineralization, a reconnaissance program of induced polarization survey may be attempted. Should further HLEM surveys be done, the survey lines should be oriented perpendicular to the dominant NW-SE trend in order to obtain clear responses over any potential conductors.

7.0 RECOMMENDATIONS

Additional geological, geochemical and geophysical surveys are required to assess the following targets:

1. The gold enriched quartz-sulphide float boulders on the Ball 12 and 13 claims.
2. Airborne geophysical anomalies.

8.0 REFERENCES

Souther, J. G., 1972: Telegraph Creek Map-Area, British Columbia (Report and Map 11-1971). G.S.C. of Canada.

Anderson and Thorkelson, 1990: Mesozoic stratigraphy and setting form some mineral deposits in iskut River Map area, northwestern B.C. In Current Research, Part E, Geological Survey of Canada, Paper 90-1F, p 131-139. 1990.

APPENDIX I

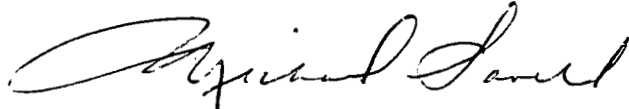
STATEMENT OF QUALIFICATIONS

APPENDIX I

STATEMENT OF QUALIFICATIONS

I, Michael J. Savell of the City of Prince George, Province of British Columbia, do certify that:

1. I am a geologist residing at 3507 Rosia Road, Prince George, British Columbia.
2. I am a graduate of Dalhousie University with a Bachelor of Science (Honors) in Geology (1980).
3. I am a member in good standing of the Geological Association of Canada, Canadian Institute of Mining, Prospector's and Developer's Association and the B.C.-Yukon Chamber of Mines.
4. I presently hold the position of Project Geologist with Noranda Exploration Company, Limited and have been in their employ since 1980.



Michael J. Savell
Project Geologist
Noranda Exploration Company, Limited
(no personal liability)

APPENDIX II

STATEMENT OF QUALIFICATIONS

I, Terrence Campbell, of Prince George, Province of British Columbia, do hereby certify that:

1. I am a geologist residing at 6634 Essex Crescent, Prince George, British Columbia.
2. I am a 1985 graduate of the University of British Columbia, B.Sc. (Geology).
3. I am a member in good standing of the British Columbia Yukon Chamber of Mines.
4. I presently hold the position of Field Geologist with Noranda Exploration Company, Limited (no personal liability) and have been in their employ since 1986.

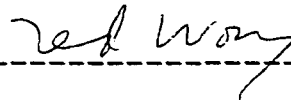


Terrence Campbell

STATEMENT OF QUALIFICATIONS

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

1. I am a geophysicist residing in Burnaby, B.C.
2. I have graduated from the University of British Columbia in 1983 with a B.Sc. in Geophysics.
3. I am a professional geophysicist, registered with the Association of Professional Engineers, Geologists and Geophysicists of Alberta. I am a licensed professional geophysicist, registered with the Association of Professional Engineers, Geologists and Geophysicists of the Northwest Territories.
4. I have practised by profession on a continual basis since 1984.
5. I have been employed by Noranda Exploration Company, Limited since September, 1989.



Ted T. Wong, P. Geoph.

APPENDIX II

STATEMENT OF COSTS - BALL SOUTH GROUP

STATEMENT OF COSTS - BALL SOUTH GROUP

CLAIMS : BALL-4, BALL-5, BALL-6, BALL-7, BALL-8
DATES : JUNE 15 TO SEPTEMBER 3, 1990
TYPE OF REPORT : GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL

1) WAGES		
Rate per day : \$137.42		
No. of days : 44		
Dates : 06/15/90 to 09/03/90		
TOTAL		\$ 6,046.48
2) FOOD, ACCOMMODATION, AND SUPPLIES		
Rate per day : \$36.35		
No. of days : 44		
Dates : 06/15/90 to 09/03/90		
TOTAL		\$ 1,599.40
3) TRANSPORTATION		
Rate per day : \$84.42		
No. of days : 44		
Dates : 06/15/90 to 09/03/90		
TOTAL		\$ 3,714.48
4) ANALYSES		
522 soils for 28 element ICP & Au @ \$10.25 each		\$ 5,350.50
4 silts	"	\$ 41.00
102 rocks	" \$13.75 each	\$ 1,402.50
TOTAL		\$ 6,794.00
5) COST OF PREPARATION OF REPORT		
Author		\$ 250.00
Drafting		\$ 100.00
Typing		\$ 50.00
Data Processing		\$ 635.00
TOTAL		\$ 1035.00
6) OTHER		
Petrographic analyses		\$ 708.75
TOTAL COST		\$19,898.11

APPENDIX III

STATEMENT OF COSTS - BALL CENTRAL GROUP

STATEMENT OF COSTS - BALL CENTRAL GROUP

CLAIMS : BALL-2, BALL-3, BALL-9, BALL-10, BALL-11
DATES : JUNE 15 TO SEPTEMBER 3, 1990
TYPE OF REPORT : GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL

1) WAGES		
Rate per day : \$137.42		
No. of days : 50		
Dates : 06/15/90 to 09/03/90		
TOTAL		\$ 6,871.00
2) FOOD, ACCOMMODATION, AND SUPPLIES		
Rate per day : \$36.35		
No. of days : 50		
Dates : 06/15/90 to 09/03/90		
TOTAL		\$ 1,817.50
3) TRANSPORTATION		
Rate per day : \$84.42		
No. of days : 50		
Dates : 06/15/90 to 09/03/90		
TOTAL		\$ 4,221.00
4) ANALYSES		
460 soils for 28 element ICP & Au @ \$10.25 each		\$ 4,715.00
10 silts "		\$ 102.50
33 rocks "	\$13.75 each	\$ 453.75
TOTAL		\$ 5,271.25
5) COST OF PREPARATION OF REPORT		
Author		\$ 250.00
Drafting		\$ 100.00
Typing		\$ 50.00
Data Processing		\$ 504.00
TOTAL		\$ 904.00
6) OTHER		
Petrographic analyses		\$ 101.25
TOTAL COST		\$19,186.00

APPENDIX IV

STATEMENT OF COSTS - BALL NORTH GROUP

STATEMENT OF COSTS - BALL NORTH GROUP

CLAIMS : BALL-1, BALL-12, BALL-13,
DATES : JUNE 15 TO SEPTEMBER 3, 1990
TYPE OF REPORT : GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL

1)	WAGES		
	Rate per day :	\$137.42	
	No. of days :	35	
	Dates :	06/15/90 to 09/03/90	
	TOTAL		\$ 4,809.70
2)	FOOD, ACCOMMODATION, AND SUPPLIES		
	Rate per day :	\$36.35	
	No. of days :	35	
	Dates :	06/15/90 to 09/03/90	
	TOTAL		\$ 1,272.25
3)	TRANSPORTATION		
	Rate per day :	\$84.42	
	No. of days :	35	
	Dates :	06/15/90 to 09/03/90	
	TOTAL		\$ 2,954.70
4)	ANALYSES		
	160 soils for 28 element ICP & Au @ \$10.25 each		\$ 1,640.00
	4 silts	"	\$ 41.00
	28 rocks	" \$13.75 each	\$ 385.00
	TOTAL		\$ 2,066.00
5)	COST OF PREPARATION OF REPORT		
	Author		\$ 250.00
	Drafting		\$ 100.00
	Typing		\$ 50.00
	Data Processing		\$ 192.00
	TOTAL		\$ 592.00
	TOTAL COST		\$11,694.65

APPENDIX V

ANALYTICAL PROCEDURE

ANALYTICAL PROCEDURE

Soils, Silts, Rocks

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

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

Heavy Mineral Concentrates

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

ANALYTICAL METHOD

DESCRIPTIONS FOR GEOCHEMICAL ASSESSMENT REPORTS

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

Preparation of Samples

Sediments and soils are dried at approximately 80°C and sieved with a 80 mesh nylon screen. The -80 mesh (0.18 mm) fraction is used for analysis.

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

Analysis of Samples

Decomposition of a 0.200 g sample is done with concentrated perchloric and nitric acid (3:1), digested for 5 hours at reflux temperature. Pulps of rock or core are weighed out at 0.2 g or less depending on the matrix of the rock, and twice as much acid is used for decomposition than that is used for silt or soil.

The concentrations of Ag, Cd, Co, Cu, Fe, Mn, Mo, Ni, Pb, V and Zn (all from the group A elements of the fee schedule) can be determined directly from the digest (dissolution) with an atomic absorption spectrometer (AA). A Varian-Techtron Model AA-5 or Model AA-475 is used to measure elemental concentrations.

Elements Requiring Specific Decomposition Method

Antimony - Sb: 0.2 g sample is attacked with 3.3 mL of 6% tartaric acid, 1.5 mL conc. hydrochloric acid and 0.5 mL of conc. nitric acid, then heated in a water bath for 3 hours at 95°C. Sb is determined directly from the acid solution with an AA-475 equipped with electrodeless discharge lamp (EDL).

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

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

Bismuth - Bi: 0.2 g - 0.3 g is digested with 2.0 mL of perchloric 70% and 1.0 mL of conc. nitric acid. Bismuth is determined directly from the digest into the flame of the AA instrument c/w EDL.

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

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

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

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

LOWEST VALUES REPORTED IN PPM

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

APPENDIX VI

CERTIFICATES OF ANALYSIS - SOILS

GEOCHEMICAL ANALYSIS CERTIFICATE

ball co. (TC)

AUG 23 1990

Noranda Exploration Co. Ltd. PROJECT 9008-060 289

File # 90-3502 Page 1

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

289 Assay Res.

Table with columns for SAMPLE#, Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Tl, B, Al, Na, K, W. Rows list various sample IDs and their corresponding element concentrations in ppm and %.

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: P1-P21 Soil P22-P23 Rock

DATE RECEIVED: AUG 14 1990

DATE REPORT MAILED: Aug 21/90.

SIGNED BY: [Signature] D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Copy to Mike

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 %	M ppm
L12000N 10375E	4	34	22	213	.1	21	25	1847	6.25	20	5	ND	1	55	.7	2	5	150	1.23	.100	8	15	.70	109	.26	2	3.02	.02	.07	1
L12000N 10400E	4	36	17	223	.2	17	25	2424	6.47	11	5	ND	1	36	.9	2	2	151	.57	.102	10	16	.61	96	.24	6	3.35	.01	.07	1
L12000N 10425E	4	46	13	214	.1	21	28	1690	7.00	11	5	ND	1	45	1.2	2	2	183	.67	.088	14	16	.90	70	.35	2	4.85	.02	.05	1
L12000N 10450E	4	42	14	194	.1	18	29	1821	7.07	10	5	ND	1	46	.7	2	2	188	.73	.109	15	16	.87	72	.34	2	4.97	.02	.06	1
L12000N 10475E	3	49	16	212	.1	26	36	1915	7.68	17	5	ND	1	46	2.1	2	2	205	.90	.101	14	17	1.15	95	.46	2	4.74	.02	.05	1
L12000N 10500E	5	26	14	107	.3	10	7	520	4.08	9	5	ND	1	31	.7	2	2	96	.16	.113	11	14	.37	75	.15	4	3.13	.01	.05	1
L11800N 10000E	7	26	22	198	.1	17	11	1024	5.12	18	5	ND	1	11	.2	2	2	82	.11	.079	15	17	.46	70	.23	2	2.63	.03	.06	1
L11800N 10025E	8	34	24	296	.1	28	12	729	5.89	42	5	ND	1	10	.7	2	6	107	.08	.074	19	15	.60	97	.14	2	2.93	.01	.06	1
L11800N 10050E	9	31	21	235	.1	24	13	862	5.37	26	5	ND	2	12	.5	2	2	104	.19	.080	20	19	.61	97	.21	4	2.79	.02	.05	1
L11800N 10075E	8	34	30	223	.1	23	12	695	5.61	33	5	ND	2	12	.2	2	2	100	.15	.095	21	16	.60	83	.16	3	3.29	.02	.05	1
L11800N 10100E	4	20	22	97	.3	9	7	534	4.66	9	5	ND	2	10	.3	2	2	76	.09	.097	25	18	.24	47	.29	3	3.31	.02	.04	1
L11800N 10125E	5	27	20	188	.2	18	8	433	4.18	15	5	ND	1	12	.8	2	4	82	.20	.081	15	13	.44	82	.14	4	2.42	.02	.05	1
L11800N 10150E	7	37	25	314	.2	30	19	1428	5.69	21	5	ND	2	22	1.0	2	2	110	.51	.086	14	18	.68	105	.20	4	2.66	.02	.07	1
L11800N 10175E	5	27	17	141	.3	14	11	1165	4.97	12	5	ND	1	43	.2	2	4	114	.62	.109	10	16	.39	103	.20	7	1.85	.03	.05	1
L11800N 10200E	4	28	24	220	.2	20	20	2470	6.17	14	5	ND	1	27	1.7	2	7	147	.86	.104	14	21	.62	118	.24	3	3.04	.02	.06	1
L11800N 10225E	4	24	15	262	.1	17	22	2454	6.55	9	5	ND	1	31	1.2	2	2	161	1.05	.103	11	17	.68	84	.27	5	3.01	.02	.06	1
L11800N 10250E	3	28	18	216	.1	18	18	1673	5.64	13	5	ND	1	48	1.3	2	3	147	1.65	.106	9	17	.69	98	.26	3	2.86	.02	.05	1
L11800N 10275E	2	30	23	210	.2	16	21	2222	7.03	11	5	ND	1	62	.7	2	2	174	1.42	.080	9	15	.98	81	.34	2	3.19	.02	.06	1
L11800N 10300E	3	32	20	194	.1	18	25	1727	6.05	9	5	ND	1	44	1.4	2	2	147	1.34	.072	7	14	.85	80	.32	2	2.74	.01	.05	1
L11800N 10325E	1	20	18	122	.2	9	11	893	7.49	9	5	ND	1	127	1.0	2	2	189	.46	.153	2	10	.54	178	.44	2	2.18	.01	.05	1
L11800N 10350E	2	25	21	104	.1	12	13	1265	6.96	5	5	ND	1	24	.2	2	4	121	.44	.145	10	16	.52	43	.45	2	3.06	.02	.05	1
L11800N 10375E	3	26	16	131	.2	14	13	1162	5.71	5	5	ND	1	42	.5	2	2	124	.44	.100	10	16	.58	73	.26	3	2.77	.02	.05	1
L11800N 10400E	2	24	17	107	.2	10	22	2072	6.03	5	5	ND	1	31	1.1	2	4	156	.64	.154	6	11	.48	70	.17	2	1.90	.01	.06	1
L11800N 10425E	3	25	22	94	.3	9	16	1738	6.47	4	5	ND	2	14	.2	2	2	119	.20	.155	7	16	.26	36	.33	3	2.29	.01	.05	1
L11800N 10450E	4	26	26	96	.2	10	5	318	4.32	7	5	ND	1	24	.2	2	2	108	.16	.093	10	17	.37	50	.31	2	2.53	.02	.06	1
L11800N 10475E	2	37	19	179	.1	21	15	1108	5.48	16	5	ND	1	46	.3	2	2	178	.87	.140	29	32	.65	80	.18	4	3.86	.02	.07	1
L11800N 10500E	3	40	20	226	.2	24	19	1216	5.67	14	5	ND	1	41	1.1	2	2	156	1.03	.070	11	13	.94	119	.39	2	3.06	.01	.05	1
L11600N 10000E	3	34	9	225	.1	23	23	1411	6.32	19	5	ND	4	15	1.0	2	2	140	.35	.080	18	19	.86	138	.28	3	3.53	.01	.06	1
L11600N 10025E	5	19	16	104	.1	10	6	314	4.76	5	5	ND	1	10	.3	2	3	78	.16	.085	21	16	.30	54	.22	2	3.29	.02	.04	1
L11600N 10050E	5	34	21	231	.1	24	18	1220	5.85	17	5	ND	2	16	.9	2	2	126	.39	.087	17	22	.74	100	.27	2	3.34	.02	.05	1
L11600N 10075E	5	58	23	590	.3	45	27	1809	6.47	19	5	ND	1	30	3.3	2	2	160	1.17	.079	15	25	.99	99	.33	2	3.45	.02	.05	1
L11600N 10100E	7	27	24	489	.1	31	15	1386	5.61	22	5	ND	1	20	1.4	2	3	93	.68	.092	33	17	.46	107	.13	2	3.10	.02	.05	1
L11600N 10125E	6	38	27	442	.1	32	20	1243	5.89	32	5	ND	1	23	2.3	2	2	106	.52	.073	12	15	.64	96	.13	4	2.27	.01	.08	1
L11600N 10150E	5	36	30	273	.1	27	28	1900	6.90	13	5	ND	2	24	.9	2	2	151	.52	.089	14	19	.77	62	.31	2	4.14	.02	.05	1
L11600N 10175E	4	36	20	263	.1	28	24	1605	5.97	18	5	ND	2	18	.7	2	2	144	.40	.065	12	18	.81	66	.28	4	3.64	.01	.05	1
L11600N 10200E	4	41	20	238	.2	23	24	1672	6.59	14	5	ND	3	21	.8	2	2	147	.53	.086	14	16	.79	53	.38	3	3.81	.02	.06	1
STANDARD C	18	59	44	131	6.8	72	32	1045	3.95	38	18	6	40	53	18.9	15	22	55	.52	.092	37	55	.89	181	.09	34	1.92	.06	.13	11

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
L11600N 10225E	3	45	11	303	.1	26	28	2007	7.58	21	5	ND	1	30	1.8	5	2	171	.91	.112	16	25	.99	67	.34	7	3.64	.03	.05	2
L11600N 10250E	3	37	5	343	.1	25	20	1099	6.75	16	5	ND	1	34	2.3	6	2	162	1.21	.098	18	24	.94	68	.29	3	3.32	.02	.05	1
L11600N 10275E	4	28	26	383	.1	21	17	1319	5.97	9	5	ND	1	37	2.8	2	2	155	1.47	.126	18	26	.82	67	.20	5	3.18	.02	.05	1
L11600N 10300E	4	22	17	440	.1	21	11	617	5.67	7	7	ND	1	28	2.5	2	2	143	1.08	.115	16	25	.67	62	.16	3	3.32	.02	.04	2
L11600N 10325E	4	21	14	220	.3	7	20	2092	6.88	2	5	ND	1	18	2.4	2	4	153	.32	.109	6	19	.37	104	.19	4	2.33	.02	.05	1
L11600N 10350E	3	29	11	198	.1	15	20	1544	6.59	22	5	ND	1	16	1.6	3	2	146	.37	.102	14	22	.66	64	.28	3	3.42	.02	.04	1
L11600N 10375E	4	23	11	300	.1	20	13	1030	6.14	12	5	ND	1	23	1.9	2	2	137	.89	.112	19	23	.63	57	.22	2	3.39	.02	.04	1
L11600N 10400E	3	22	5	173	.1	11	14	1029	6.50	8	10	ND	1	18	1.9	4	4	128	.34	.087	10	19	.44	78	.28	3	2.69	.01	.02	2
L11600N 10425E	3	24	8	283	.3	16	17	1710	6.86	10	5	ND	1	21	2.4	3	2	160	.61	.122	10	23	.61	111	.26	3	2.62	.02	.03	2
L11600N 10450E	1	47	9	238	.2	21	26	1660	6.88	14	5	ND	1	34	1.3	3	2	170	1.11	.095	10	27	1.19	77	.41	4	3.27	.02	.05	1
L11600N 10475E	2	19	6	99	.1	6	14	915	5.10	3	8	ND	1	9	1.3	2	5	108	.22	.076	13	25	.42	33	.43	3	3.74	.03	.03	1
L11600N 10500E	2	43	8	221	.1	22	21	1409	6.42	10	5	ND	1	23	1.8	2	2	156	.52	.084	12	32	1.08	57	.34	6	3.56	.02	.04	1
L11400N 10000E	8	28	14	641	.1	31	11	958	4.83	21	5	ND	1	27	4.9	2	2	115	.82	.100	16	22	.55	43	.19	3	2.95	.02	.05	1
L11400N 10025E	4	22	12	179	.1	11	12	1055	5.31	8	5	ND	1	16	2.2	2	3	107	.70	.103	15	16	.40	57	.23	2	2.80	.02	.04	1
L11400N 10050E	9	32	26	236	.5	15	10	955	4.06	16	5	ND	1	76	1.9	2	4	102	1.81	.121	9	13	.46	82	.12	2	4.33	.02	.09	1
L11400N 10075E	5	24	6	252	.1	14	14	1649	5.02	9	5	ND	1	24	1.9	2	3	109	.51	.127	11	20	.43	77	.21	2	2.88	.02	.05	1
L11400N 10100E	8	42	21	402	.2	33	19	1401	6.04	24	5	ND	1	35	1.9	4	2	136	.68	.123	13	26	.73	70	.22	2	3.46	.03	.06	4
L11400N 10125E	5	36	17	326	.1	26	18	1193	6.59	16	5	ND	1	23	2.2	2	2	132	.74	.097	18	25	.87	72	.28	3	2.90	.02	.04	7
L11400N 10150E	2	25	9	181	.1	16	16	1253	6.37	11	5	ND	1	15	1.1	2	2	139	.36	.077	14	22	.72	92	.30	3	3.15	.02	.04	2
L11400N 10175E	4	32	13	236	.1	20	21	1278	6.88	14	5	ND	1	22	.7	2	2	143	.55	.113	12	28	.90	69	.31	4	3.18	.02	.05	2
L11400N 10200E	3	37	11	259	.1	22	21	1347	6.86	15	5	ND	1	27	2.5	2	2	147	.88	.108	13	25	1.02	80	.35	4	3.11	.03	.05	1
L11400N 10225E	2	40	19	236	.1	20	22	1307	6.61	11	5	ND	1	26	2.1	2	2	153	.96	.107	12	24	1.09	72	.37	3	3.11	.02	.05	1
L11400N 10275E	3	26	16	183	.1	14	14	737	5.18	9	9	ND	1	15	1.3	3	4	103	.31	.127	21	25	.52	56	.27	5	3.53	.04	.05	1
L11400N 10300E	3	28	4	222	.1	18	22	1520	6.33	14	6	ND	1	16	1.5	2	2	140	.23	.067	18	25	.73	63	.25	2	3.59	.02	.04	1
L11400N 10325E	2	46	3	242	.1	23	25	1696	6.95	15	5	ND	1	28	1.8	4	2	156	.90	.096	13	26	1.05	67	.37	3	3.36	.02	.04	1
L11400N 10350E	2	46	10	195	.1	17	21	1397	6.22	3	5	ND	1	27	1.4	3	2	144	.78	.092	12	28	1.01	45	.38	4	3.74	.02	.05	2
L11400N 10375E	2	55	4	197	.1	22	21	1379	6.17	4	5	ND	1	36	1.5	2	2	144	.91	.100	12	28	1.06	51	.36	2	3.69	.02	.06	1
L11400N 10400E	1	56	2	243	.1	27	34	2153	8.81	11	5	ND	1	41	2.3	8	2	193	1.44	.076	8	50	1.84	75	.46	2	3.69	.02	.03	1
L11400N 10425E	1	35	3	203	.1	20	30	1667	6.99	5	5	ND	1	24	1.6	4	2	181	.97	.054	8	38	1.48	62	.39	3	4.05	.02	.02	1
L11400N 10450E	3	19	7	153	.1	12	11	801	5.33	5	5	ND	1	13	1.0	2	2	137	.19	.078	9	30	.58	59	.32	3	3.14	.02	.03	1
L11400N 10475E	3	17	13	79	.1	6	12	2014	6.45	6	5	ND	1	7	.9	2	2	96	.11	.106	10	18	.22	68	.25	2	2.81	.01	.03	1
L11400N 10500E	2	20	2	106	.1	7	8	1097	5.25	5	8	ND	1	10	1.6	2	4	90	.21	.112	11	15	.24	48	.31	2	2.28	.02	.03	1
L11200N 10000E	10	73	35	909	.5	64	18	1175	5.73	27	5	ND	1	38	7.7	4	2	175	1.13	.094	12	21	.81	82	.26	2	2.82	.02	.04	1
L11200N 10025E	5	46	20	410	.1	31	19	1175	6.13	24	5	ND	1	27	2.8	3	2	144	.73	.102	15	23	.82	77	.26	3	2.97	.02	.05	1
L11200N 10050E	3	37	12	284	.1	21	19	983	6.40	33	5	ND	1	42	1.8	2	3	144	1.11	.094	18	27	1.01	95	.29	3	3.07	.03	.05	1
L11200N 10075E	4	44	16	315	.1	30	24	1514	7.13	19	5	ND	1	23	1.2	2	2	147	.49	.122	15	27	.92	98	.25	3	3.18	.02	.06	1
STANDARD C	18	62	37	131	7.2	73	31	1054	3.97	37	19	8	37	52	18.5	14	21	56	.51	.094	37	60	.88	180	.07	35	1.89	.06	.14	11

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
L11200N 10100E	3	38	16	286	.1	28	18	1263	6.06	15	5	ND	1	27	1.8	2	2	125	.77	.078	17	22	.89	188	.17	5	2.49	.01	.07	1
L11200N 10125E	2	39	17	265	.1	35	31	1833	8.69	28	5	ND	1	38	1.5	5	2	167	.91	.081	14	33	1.10	88	.32	6	3.46	.02	.05	1
L11200N 10150E	3	25	13	202	.1	20	25	3328	7.03	13	5	ND	1	18	1.5	2	2	162	.35	.108	9	25	.49	116	.26	4	2.43	.02	.05	1
L11200N 10175E	6	41	11	164	.1	21	12	1389	4.80	26	5	ND	1	60	.5	2	3	233	1.28	.140	43	43	.55	71	.14	4	2.74	.03	.05	1
L11200N 10200E	3	23	19	121	.1	17	10	788	5.78	8	10	ND	1	12	.8	2	2	114	.24	.124	12	19	.36	57	.23	3	3.78	.02	.03	1
L11200N 10225E	5	31	15	243	.1	22	25	2095	6.65	14	5	ND	1	17	.9	2	2	142	.38	.097	21	28	.66	65	.29	6	5.08	.02	.04	1
L11200N 10250E	9	56	39	548	.5	48	28	1619	7.27	47	5	ND	1	60	3.9	6	2	164	1.43	.105	16	31	1.19	123	.26	8	3.09	.03	.07	1
L11200N 10275E	5	39	19	679	.1	50	33	2250	7.58	27	5	ND	1	22	2.6	2	2	163	.50	.083	22	28	.74	93	.26	6	5.05	.02	.04	1
L11200N 10300E	4	43	15	298	.1	27	25	1740	6.91	12	5	ND	1	22	1.7	2	2	164	.64	.112	14	30	.98	65	.31	5	3.72	.02	.04	1
L11200N 10325E	6	47	27	327	.1	35	32	1886	9.54	29	5	ND	1	25	2.6	5	2	188	.78	.113	14	31	1.03	71	.30	7	4.18	.02	.04	1
L11200N 10350E	1	41	5	242	.1	26	26	1736	7.83	15	5	ND	1	29	1.6	7	2	186	1.07	.082	13	34	1.40	119	.43	3	3.84	.03	.04	1
L11200N 10375E	1	29	11	191	.1	22	24	1244	6.34	11	5	ND	1	22	1.2	4	2	183	1.11	.056	8	32	1.35	58	.47	4	4.31	.02	.02	1
L11200N 10400E	1	32	9	244	.1	24	27	1696	7.32	14	5	ND	1	25	2.0	5	2	185	.93	.073	11	35	1.31	80	.40	7	4.27	.02	.04	1
L11200N 10425E	2	32	10	207	.1	19	23	1648	7.07	13	5	ND	1	20	.6	3	2	165	.60	.091	16	38	1.05	66	.33	5	4.66	.03	.04	1
L11200N 10450E	3	30	9	175	.1	22	18	1036	6.46	14	5	ND	2	12	.2	2	2	112	.33	.101	23	28	.70	51	.38	6	3.32	.05	.06	1
L11200N 10475E	6	13	13	115	.1	10	6	999	5.24	11	13	ND	4	4	.2	2	2	53	.08	.075	47	13	.18	40	.15	2	4.67	.06	.07	1
L11200N 10500E	4	41	10	297	.2	29	23	1466	7.03	13	5	ND	1	18	1.5	3	2	171	1.06	.078	15	25	1.33	108	.41	5	2.75	.01	.04	1
L11000N 10425E	14	57	17	633	.4	52	19	1208	6.89	26	5	ND	1	26	5.2	2	2	128	.66	.112	16	25	.96	116	.21	7	2.56	.02	.07	1
L11000N 10450E	26	70	32	579	.3	64	17	1144	6.44	38	6	ND	1	16	3.7	5	2	125	.25	.108	16	20	.79	103	.14	2	2.40	.01	.08	1
L11000N 10475E	31	60	18	541	.6	74	9	871	4.88	39	5	ND	1	13	4.8	5	3	74	.26	.114	22	11	.67	163	.01	3	1.91	.01	.10	1
L11000N 10500E	28	83	18	715	.9	49	15	1379	7.07	67	5	ND	1	19	3.6	7	2	100	.15	.208	23	17	.55	170	.02	3	2.28	.01	.11	1
L11000N 10525E	70	93	66	882	1.3	122	11	903	6.60	82	6	ND	1	32	7.1	6	3	101	.28	.105	11	11	.40	264	.01	3	1.44	.01	.11	1
L11000N 10550E	30	73	25	908	.6	88	22	1679	7.16	36	5	ND	1	64	8.0	5	2	124	.48	.154	19	19	.91	200	.02	3	2.34	.02	.10	1
L11000N 10575E	16	56	15	775	.6	51	24	1592	7.64	34	5	ND	1	53	6.9	2	2	126	.45	.168	21	21	.94	225	.02	3	2.63	.01	.11	1
L11000N 10600E	18	54	16	720	.8	44	13	738	8.07	47	9	ND	1	101	4.0	4	2	118	.35	.153	18	18	.75	364	.01	3	2.30	.02	.13	1
L11000N 10625E	36	83	39	861	.6	84	30	1838	8.67	55	5	ND	1	17	3.3	8	2	145	.15	.199	21	23	.83	160	.01	7	3.27	.01	.10	1
L11000N 10650E	9	56	20	702	.5	54	37	2029	10.17	36	5	ND	1	45	8.0	5	2	129	.51	.187	20	27	1.10	358	.01	7	2.87	.01	.14	1
L11000N 10675E	10	38	9	581	.4	33	11	1010	5.21	28	6	ND	1	14	2.3	2	2	74	.10	.144	25	19	.48	201	.04	4	2.68	.03	.10	1
L11000N 10700E	10	49	10	986	.5	63	18	1353	6.64	40	5	ND	1	23	5.4	2	2	97	.27	.173	21	25	.79	162	.09	4	2.57	.02	.10	1
L11000N 10725E	13	38	14	437	.2	27	15	1315	6.39	33	5	ND	1	15	1.2	2	2	88	.13	.152	16	19	.56	141	.06	5	2.76	.02	.09	1
L11000N 10750E	14	46	7	617	.5	35	18	1248	5.99	27	5	ND	1	24	4.2	2	2	82	.21	.136	16	16	.67	225	.02	9	2.18	.01	.11	1
L11000N 10775E	6	25	3	307	.1	18	21	1824	8.93	15	5	ND	1	23	1.6	2	2	94	.40	.200	25	19	1.00	322	.01	3	2.78	.01	.08	1
L11000N 10800E	13	27	10	433	.1	23	15	1804	8.83	23	5	ND	1	12	2.1	2	2	127	.12	.215	17	20	1.01	217	.03	4	3.74	.01	.09	1
L11000N 10825E	79	98	13	1624	.8	143	24	2077	8.09	68	5	ND	1	34	20.6	6	2	103	.32	.196	15	13	.49	325	.01	3	1.83	.01	.13	1
L11000N 10850E	16	70	7	1094	.9	39	25	1398	6.80	42	5	ND	1	45	11.8	2	2	95	.33	.175	15	20	.66	263	.01	5	2.42	.01	.13	1
L11000N 10875E	15	50	12	789	.3	33	20	1537	6.50	36	5	ND	1	34	6.6	2	2	75	.26	.159	15	15	.63	227	.01	3	2.32	.01	.13	1
STANDARD C	19	62	42	131	7.2	72	31	1053	4.00	41	19	8	37	53	18.5	18	21	57	.51	.100	38	59	.87	180	.07	33	1.91	.06	.14	14

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	Tl %	B ppm	Al %	Na %	K %	W ppm
L11000N 10900E	12	53	15	461	1.2	20	12	947	6.02	55	5	ND	3	41	2.3	5	2	80	.16	.214	14	16	.49	209	.02	2	1.92	.02	.11	1
L11000N 10925E	14	79	15	1129	.6	34	14	701	5.94	54	5	ND	3	53	5.8	9	4	69	.22	.174	15	13	.45	206	.01	3	1.88	.01	.14	1
L11000N 10950E	7	57	13	1035	.9	33	14	1127	5.15	32	5	ND	2	36	8.8	3	2	65	.40	.150	13	13	.50	217	.02	2	1.65	.01	.10	1
L11000N 10975E	17	134	13	2716	1.1	56	34	2485	7.15	126	5	ND	2	62	38.2	10	2	140	.49	.143	15	12	.67	282	.01	4	2.05	.02	.11	1
L10800N 11000E	9	57	16	609	.9	52	18	2793	4.64	28	7	ND	2	31	14.2	2	6	47	.18	.120	15	10	.32	179	.01	2	1.38	.01	.11	1
L10800N 10425E	7	20	6	112	.4	12	8	634	5.18	2	5	ND	1	8	1.1	2	2	68	.12	.091	20	15	.29	45	.30	2	3.79	.02	.03	2
L10800N 10450E	20	78	15	898	.4	63	35	1685	7.29	30	6	ND	3	34	8.7	2	6	102	.35	.181	21	10	.82	274	.01	2	3.03	.01	.13	1
L10800N 10475E	10	49	16	653	.7	29	15	1131	5.31	27	5	ND	2	34	6.0	2	2	76	.38	.122	15	13	.61	174	.03	2	2.07	.01	.09	1
L10800N 10500E	13	56	10	861	.6	48	16	1402	4.79	26	5	ND	3	44	12.1	4	2	63	.45	.114	14	11	.56	151	.02	2	1.57	.01	.10	1
L10800N 10525E	7	35	7	422	.3	23	12	748	4.70	20	5	ND	1	13	2.9	2	2	80	.13	.108	15	13	.65	125	.06	2	1.90	.01	.07	1
L10800N 10550E	6	37	20	392	.4	25	16	1227	5.38	26	5	ND	2	24	3.5	2	4	76	.30	.123	14	14	.68	138	.08	2	1.92	.01	.07	1
L10800N 10575E	7	44	15	442	.6	26	17	1253	5.56	26	5	ND	2	32	3.7	2	2	74	.29	.128	14	13	.65	154	.05	3	2.02	.01	.08	1
L10800N 10625E	8	47	17	431	.6	22	16	1230	5.58	32	5	ND	3	19	2.3	4	2	84	.09	.135	17	17	.64	109	.07	2	2.52	.02	.08	1
L10800N 10650E	3	32	15	253	.4	28	22	1773	5.58	22	5	ND	1	12	2.3	2	2	99	.23	.122	14	23	.77	95	.10	4	2.58	.01	.05	1
L10800N 10675E	6	47	14	354	.4	27	17	1579	5.79	24	5	ND	2	23	2.3	2	5	78	.16	.165	14	16	.66	147	.03	2	2.38	.01	.10	1
L10800N 10700E	10	54	8	706	.8	31	14	1036	4.97	34	5	ND	1	47	7.2	3	2	72	.34	.112	10	14	.57	179	.03	3	1.91	.01	.09	1
L10800N 10725E	12	64	23	615	1.3	31	15	845	5.61	39	5	ND	1	51	6.0	4	2	72	.34	.144	15	15	.56	169	.06	5	2.06	.02	.10	1
L10800N 10750E	7	49	16	548	.6	29	12	871	4.33	26	5	ND	3	27	5.5	2	2	59	.27	.097	13	14	.53	124	.05	2	1.49	.01	.07	1
L10800N 10775E	6	33	11	434	.6	22	11	1022	4.22	20	5	ND	1	11	1.8	2	2	61	.11	.102	17	14	.53	99	.06	2	2.03	.02	.07	1
L10800N 10800E	6	35	11	407	.9	27	11	943	4.17	20	5	ND	4	31	2.4	2	2	48	.21	.090	17	15	.48	130	.05	2	1.88	.01	.07	1
L10800N 10825E	8	55	18	643	1.0	32	14	1315	4.83	34	5	ND	2	32	5.2	3	5	50	.26	.122	15	13	.38	130	.06	2	1.67	.01	.07	1
L10800N 10850E	13	67	16	742	.9	33	18	1518	5.30	45	5	ND	3	16	4.9	4	2	61	.11	.149	16	14	.45	123	.05	2	1.89	.01	.10	1
L10800N 10875E	8	41	13	409	1.2	27	13	1204	4.73	30	5	ND	3	39	3.7	3	2	51	.29	.110	15	13	.42	157	.05	2	1.55	.02	.09	1
L10800N 10900E	7	40	19	356	1.7	20	14	992	3.78	29	5	ND	1	32	2.3	4	2	45	.24	.116	21	11	.35	126	.02	3	1.58	.02	.10	1
L10800N 10925E	8	44	14	383	.7	24	14	967	4.53	27	5	ND	1	36	2.0	2	2	62	.17	.114	15	15	.54	123	.04	5	1.93	.02	.09	1
L10800N 10950E	7	36	10	311	.5	23	10	633	4.18	24	5	ND	2	24	1.0	2	2	61	.09	.109	17	16	.56	92	.06	2	2.01	.02	.09	1
L10800N 10975E	8	50	23	447	.9	24	16	1312	4.76	31	5	ND	2	28	3.5	2	7	51	.09	.129	16	14	.40	117	.02	2	1.65	.01	.11	1
L10600N 10425E	11	50	23	645	.7	34	15	1104	5.13	32	5	ND	2	32	6.8	3	2	76	.36	.127	12	12	.62	176	.04	4	1.90	.01	.09	1
L10600N 10450E	8	23	10	271	.5	15	13	1019	4.84	17	5	ND	2	9	1.8	2	2	76	.09	.127	17	14	.47	92	.08	2	2.50	.02	.05	2
L10600N 10475E	7	31	11	388	.4	21	10	715	5.65	21	5	ND	1	9	2.7	2	3	84	.08	.097	16	16	.56	98	.05	2	2.70	.01	.05	1
L10600N 10500E	9	37	12	401	.6	18	8	625	4.84	26	5	ND	2	8	1.1	4	4	79	.07	.116	13	14	.50	112	.02	2	2.35	.01	.06	1
L10600N 10525E	9	56	9	647	.6	39	17	1111	4.55	33	5	ND	2	35	9.1	2	2	55	.41	.108	12	12	.54	189	.01	2	1.57	.01	.12	1
L10600N 10550E	8	49	19	608	.8	30	11	779	4.77	32	5	ND	3	38	5.8	3	2	65	.33	.114	16	14	.51	208	.05	2	1.72	.02	.10	1
L10600N 10575E	12	61	16	452	.6	22	12	688	4.89	42	5	ND	2	13	2.2	4	5	72	.06	.089	11	12	.49	148	.02	2	1.80	.01	.10	1
L10600N 10600E	17	51	11	957	.9	38	17	1275	5.76	42	5	ND	2	34	9.6	5	2	78	.25	.158	10	13	.50	248	.02	2	1.79	.01	.11	1
L10600N 10625E	7	45	15	450	.8	27	11	702	4.19	20	5	ND	3	50	3.5	2	2	57	.41	.095	14	13	.59	126	.05	2	1.69	.02	.10	1
STANDARD C	19	62	40	130	7.0	72	31	1046	3.97	43	18	8	39	52	18.5	18	20	58	.52	.096	38	57	.89	182	.09	35	1.89	.06	.14	12

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 %	M ppm
L10600N 10650E	10	49	16	563	.9	37	15	1416	4.50	27	5	ND	1	32	8.5	3	6	56	.31	.104	11	13	.54	183	.04	2	1.55	.01	.10	1
L10600N 10675E	7	43	18	465	.8	29	13	989	4.65	25	6	ND	1	25	3.7	2	5	61	.30	.106	11	11	.54	153	.07	3	1.70	.01	.09	1
L10600N 10700E	11	61	24	638	1.1	25	23	950	4.68	36	5	ND	1	27	5.5	5	4	68	.31	.120	10	11	.51	200	.02	3	1.60	.01	.13	1
L10600N 10725E	5	43	13	521	.7	25	12	904	4.13	26	5	ND	1	30	6.2	2	2	67	.42	.116	12	14	.64	138	.09	2	1.68	.01	.09	1
L10600N 10750E	8	52	18	497	.9	28	13	1025	4.98	34	5	ND	1	19	2.9	2	3	57	.17	.104	16	14	.49	143	.05	3	1.78	.02	.09	1
L10600N 10775E	5	42	17	431	.4	24	18	1031	6.83	15	5	ND	1	40	4.0	2	4	107	1.28	.107	8	14	1.15	90	.45	2	2.93	.02	.07	1
L10600N 10800E	8	47	17	413	.6	32	17	1126	4.97	23	5	ND	1	30	3.6	2	2	75	.36	.104	12	14	.67	142	.16	2	1.85	.02	.10	1
L10600N 10825E	9	53	15	588	.7	40	17	1061	4.85	30	5	ND	1	25	4.7	2	2	61	.19	.102	12	19	.57	123	.08	3	1.89	.01	.10	1
L10600N 10850E	9	40	16	396	.7	26	15	813	4.92	21	5	ND	1	14	2.0	2	2	79	.13	.092	12	16	.57	99	.13	3	2.37	.01	.09	1
L10600N 10875E	6	26	19	266	.4	19	14	1181	5.28	18	5	ND	1	12	1.8	2	2	89	.10	.081	18	17	.46	98	.10	3	2.52	.02	.05	1
L10600N 10900E	6	32	20	342	.1	25	14	755	4.43	17	5	ND	1	26	2.2	2	2	76	.23	.075	10	18	.67	149	.06	4	2.03	.01	.07	1
L10600N 10925E	7	67	17	717	.9	42	24	2101	5.77	40	5	ND	1	35	8.3	4	2	64	.36	.131	14	16	.61	183	.01	3	2.10	.01	.14	1
L10600N 10950E	14	65	12	1494	.4	58	15	1149	5.93	44	5	ND	2	58	14.8	5	3	82	.74	.223	11	14	.63	193	.02	2	1.95	.01	.14	1
L10600N 10975E	14	51	20	408	3.1	18	6	205	8.91	126	5	ND	2	69	1.2	11	8	94	.14	.102	8	15	.17	104	.02	6	.90	.06	.33	1
L10600N 11000E	8	44	14	418	.5	32	10	509	4.66	18	5	ND	2	20	1.4	2	2	80	.38	.081	18	15	.81	104	.11	2	2.31	.02	.08	1
L10400N 10425E	19	87	27	1718	1.4	85	28	1946	5.27	42	5	ND	1	23	22.5	5	2	92	.40	.101	6	11	.58	297	.01	3	1.67	.01	.12	1
L10400N 10450E	6	49	24	487	.3	28	19	1331	5.90	26	5	ND	1	15	2.2	2	5	95	.21	.111	14	16	.78	193	.04	2	2.61	.01	.09	1
L10400N 10475E	13	47	16	726	.7	22	13	967	5.44	42	5	ND	2	7	2.5	5	2	81	.12	.085	7	12	.57	229	.01	2	2.11	.01	.09	1
L10400N 10500E	9	48	18	495	.9	26	13	952	4.66	32	5	ND	1	21	3.5	6	2	65	.21	.119	12	16	.51	178	.03	4	1.82	.01	.11	1
L10400N 10525E	12	55	16	858	.7	51	17	1924	4.35	31	5	ND	1	47	12.7	3	2	51	.41	.105	12	13	.52	164	.02	2	1.45	.01	.11	1
L10400N 10550E	23	66	22	901	.7	61	14	1386	4.77	36	5	ND	2	41	11.1	5	2	69	.45	.110	11	12	.58	157	.01	2	1.58	.01	.11	1
L10400N 10575E	12	58	16	589	.9	40	18	1388	4.64	32	5	ND	3	33	6.1	3	2	56	.35	.090	10	13	.53	132	.04	2	1.51	.01	.11	1
L10400N 10600E	10	45	22	456	.3	33	16	1062	4.56	27	5	ND	1	23	4.3	3	2	73	.27	.103	12	14	.62	185	.03	3	1.71	.02	.09	1
L10400N 10625E	11	48	18	315	.6	29	18	1161	4.28	25	5	ND	3	19	2.9	2	2	51	.22	.086	11	13	.55	157	.03	3	1.59	.02	.11	1
L10400N 10650E	1	37	6	177	.1	15	30	1584	9.19	2	5	ND	1	69	1.6	2	2	160	2.22	.104	5	19	1.61	46	.73	2	4.83	.02	.03	1
L10400N 10675E	1	30	8	179	.1	15	26	1367	8.33	2	5	ND	1	61	1.5	2	2	153	2.26	.101	5	16	1.48	41	.74	2	4.54	.02	.02	1
L10400N 10850E	1	30	15	155	.1	12	23	1201	8.03	2	5	ND	1	76	1.0	2	2	149	2.14	.097	3	14	1.48	54	.67	2	3.94	.04	.04	1
L10400N 10875E	1	32	12	145	.1	12	22	1027	7.02	4	5	ND	1	53	1.8	2	2	145	1.89	.091	3	11	1.35	43	.62	2	3.30	.04	.02	1
L10400N 10900E	5	45	11	464	.1	36	15	873	4.88	13	5	ND	1	47	4.7	2	2	104	1.48	.083	8	9	1.06	81	.43	2	2.36	.05	.06	1
L10400N 10925E	16	61	45	693	.4	44	11	912	5.19	32	5	ND	1	30	5.0	3	2	61	.49	.070	25	6	.82	95	.08	3	1.77	.01	.10	1
L10400N 10950E	13	42	27	645	.2	49	10	1066	5.13	29	5	ND	1	20	5.3	2	2	35	.45	.052	30	3	.72	92	.02	2	1.56	.01	.11	1
L10400N 10975E	42	72	34	1108	.3	112	15	1519	6.04	45	5	ND	1	14	11.4	6	2	47	.51	.079	27	5	.49	155	.01	2	1.26	.01	.14	1
L10400N 11000E	27	70	35	1046	.4	101	15	1067	5.69	27	5	ND	1	24	8.8	3	2	79	.66	.087	14	9	.65	130	.11	2	1.68	.02	.13	1
L10200N 10425E	11	66	16	616	.4	33	25	1382	4.88	36	5	ND	3	23	7.4	4	2	61	.31	.121	9	12	.56	236	.01	3	1.74	.01	.13	1
L10200N 10450E	13	67	15	668	.9	34	25	2003	4.95	39	5	ND	2	13	8.0	6	2	65	.16	.117	12	16	.56	164	.02	3	1.85	.01	.13	1
L10200N 10475E	7	39	14	405	.3	26	13	919	4.84	23	5	ND	2	11	1.8	2	2	77	.14	.121	14	18	.69	109	.09	3	2.34	.02	.09	1
STANDARD C	19	61	38	132	7.0	73	31	1046	3.97	42	18	6	39	51	18.9	15	20	56	.52	.095	38	56	.89	183	.09	35	1.89	.06	.13	12

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
L10200N 10500E	6	23	14	378	.4	17	8	649	3.79	18	5	ND	1	34	2.8	2	2	47	.32	.105	15	11	.52	160	.03	3	1.57	.01	.07	1
L10200N 10525E	8	36	15	393	.6	27	14	864	4.91	22	6	ND	1	10	2.2	2	2	79	.11	.093	16	17	.68	129	.09	3	2.26	.01	.06	1
L10200N 10550E	7	29	19	309	.7	21	9	551	4.36	14	5	ND	1	13	1.6	2	2	61	.13	.118	25	17	.51	107	.12	3	2.82	.03	.06	2
L10200N 10575E	8	39	21	430	.7	27	11	770	4.87	21	5	ND	3	32	2.6	2	2	66	.26	.123	19	18	.56	119	.11	2	2.38	.02	.06	1
L10200N 10600E	11	41	18	428	.6	33	13	1066	5.13	26	6	ND	3	23	1.8	2	2	72	.11	.119	19	16	.59	115	.08	2	2.31	.02	.08	1
L10200N 10625E	14	62	22	574	.9	47	21	1378	4.96	35	5	ND	2	42	6.0	3	3	61	.30	.106	20	13	.66	178	.03	2	1.83	.02	.08	1
L10200N 10650E	7	53	16	549	.9	37	17	1304	4.34	25	5	ND	2	19	10.2	2	2	56	.28	.097	17	14	.70	122	.01	3	1.60	.01	.08	1
L10200N 10675E	8	58	16	492	.7	48	22	1936	4.05	15	5	ND	2	23	7.6	2	2	54	.47	.088	17	14	.67	165	.04	2	1.57	.01	.09	1
L10200N 10700E	7	54	18	446	.7	34	16	986	4.40	23	5	ND	3	26	4.5	2	2	60	.45	.102	16	15	.71	133	.07	2	1.62	.01	.07	1
L10200N 10725E	44	91	38	728	.9	112	15	1359	4.90	40	5	ND	2	15	7.1	7	2	91	.44	.083	11	9	.60	166	.02	2	1.58	.01	.06	1
L10200N 10750E	5	59	20	337	.1	28	28	1682	8.70	15	5	ND	1	74	3.6	2	2	162	2.06	.095	10	19	1.59	46	.63	2	4.68	.02	.02	1
L10200N 10775E	1	34	11	135	.1	13	24	1509	7.71	10	5	ND	1	95	.9	2	7	93	1.92	.093	8	15	1.49	43	.40	2	4.95	.04	.02	1
L10000N 10425E	8	34	19	371	.4	23	10	703	5.10	18	5	ND	1	11	1.5	2	2	78	.13	.102	17	17	.62	84	.14	2	2.43	.02	.07	1
L10000N 10450E	13	43	14	518	.6	38	12	828	4.54	20	5	ND	2	22	3.6	2	3	72	.25	.096	14	15	.61	129	.09	2	1.74	.02	.06	1
L10000N 10475E	21	60	23	745	1.0	54	15	1244	5.05	36	5	ND	3	45	8.6	6	2	72	.39	.114	14	13	.51	193	.06	2	1.56	.02	.08	1
L10000N 10500E	25	62	20	828	1.0	74	19	1599	4.84	39	5	ND	1	48	12.3	4	2	74	.47	.112	12	11	.54	188	.06	2	1.38	.02	.08	1
L10000N 10525E	38	72	21	750	.8	71	16	1131	5.30	37	5	ND	2	41	6.8	4	2	84	.22	.096	12	11	.57	164	.05	2	1.73	.02	.08	1
L10000N 10550E	21	47	17	451	.5	47	14	1117	5.60	32	5	ND	2	25	2.3	5	2	79	.18	.100	17	16	.60	113	.09	2	2.41	.02	.07	1
L10000N 10575E	13	47	14	648	.7	44	12	896	4.69	21	5	ND	3	25	4.3	2	2	83	.52	.096	12	14	.62	115	.12	2	1.74	.01	.06	1
L10000N 10675E	1	44	9	200	.1	19	31	2871	8.38	14	5	ND	1	96	1.6	2	2	162	1.99	.100	9	26	1.38	77	.48	2	5.20	.02	.03	1
L10000N 10700E	1	40	10	159	.1	17	29	2195	7.22	6	5	ND	1	99	.7	2	2	136	2.02	.103	6	22	1.25	55	.32	2	4.91	.01	.02	1
L10000N 10725E	1	41	9	174	.1	19	30	2437	9.23	9	5	ND	1	98	1.1	2	2	149	1.69	.091	7	24	1.54	71	.56	2	5.34	.02	.03	1
L10000N 10750E	1	51	19	200	.1	21	31	2588	8.70	9	5	ND	1	82	1.4	2	2	175	1.89	.085	7	29	1.47	61	.50	2	5.33	.01	.03	1
L10000N 10775E	1	30	9	128	.1	10	25	1417	8.13	9	5	ND	2	91	1.2	2	3	96	2.00	.095	8	11	1.59	33	.42	2	4.65	.01	.03	1
L10000N 10800E	1	32	12	142	.1	9	28	1643	8.42	13	5	ND	1	87	1.3	2	2	96	1.98	.082	8	13	1.74	39	.44	2	4.87	.01	.04	1
L9800N 10025E	6	50	16	380	.2	33	23	1354	7.40	21	5	ND	1	59	2.9	2	2	152	1.15	.099	11	20	1.15	124	.46	2	3.27	.02	.05	1
L9800N 10050E	9	53	9	424	.3	43	22	1280	6.74	20	5	ND	2	34	2.9	2	3	143	.87	.085	12	18	1.07	97	.40	2	2.86	.02	.05	1
L9800N 10075E	8	55	25	417	.3	41	31	1842	7.97	22	5	ND	1	33	2.5	2	2	161	.56	.111	14	16	.96	98	.41	2	3.24	.02	.05	1
L9800N 10100E	20	70	27	632	.6	62	17	1177	5.42	27	5	ND	1	17	4.5	4	2	99	.27	.086	13	14	.74	121	.14	2	1.93	.01	.05	1
L9800N 10125E	32	103	22	1095	.5	102	29	2660	6.77	46	5	ND	3	21	10.7	3	2	114	.39	.098	14	10	.76	229	.08	2	2.13	.01	.07	1
L9800N 10150E	8	42	11	526	.6	34	19	1337	6.41	28	5	ND	3	24	2.8	2	2	117	.32	.122	19	14	.88	118	.12	2	2.66	.02	.06	1
L9800N 10175E	7	44	17	538	.6	34	18	1320	6.15	25	5	ND	2	34	3.4	2	2	106	.43	.115	19	20	.84	138	.14	2	2.84	.02	.07	1
L9800N 10200E	5	37	8	503	.4	24	13	867	5.31	17	5	ND	2	21	2.2	2	2	88	.42	.106	16	17	.79	132	.13	2	2.21	.01	.06	1
L9800N 10225E	6	41	13	514	.7	28	13	871	5.28	23	5	ND	2	27	4.6	2	2	88	.47	.109	14	17	.75	159	.13	3	2.21	.01	.06	1
L9800N 10250E	9	49	13	669	.7	35	17	1070	5.40	25	5	ND	3	33	6.3	3	2	91	.57	.110	11	16	.82	157	.15	3	2.03	.01	.07	1
L9800N 10275E	11	55	16	605	.8	39	22	1418	5.66	29	5	ND	3	38	8.0	4	2	90	.56	.109	12	17	.83	182	.12	4	2.11	.02	.08	1
STANDARD C	17	58	38	131	6.7	68	31	1040	3.93	36	18	7	36	51	18.9	15	21	55	.50	.088	37	55	.88	179	.09	33	1.87	.06	.13	11

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	Tl %	B ppm	Al %	Na %	K %	U ppm
L9800N 10300E	15	72	15	699	1.1	41	23	1729	5.43	24	5	ND	4	29	7.2	6	3	78	.27	.116	16	15	.71	182	.05	3	2.06	.01	.14	1
L9800N 10325E	23	62	19	703	1.4	31	23	1329	7.44	141	6	ND	3	65	7.3	10	5	55	.10	.119	12	13	.39	217	.01	4	1.59	.02	.16	1
L9800N 10350E	14	50	19	735	.9	46	15	1166	4.80	24	5	ND	3	39	7.7	6	2	75	.42	.106	15	13	.68	160	.09	3	1.77	.01	.12	1
L9800N 10375E	13	46	20	754	.8	46	14	1271	4.32	20	5	ND	2	40	11.9	3	2	64	.39	.106	16	11	.56	159	.07	2	1.43	.01	.13	1
L9800N 10400E	34	104	28	2351	1.8	197	55	9233	5.58	41	8	ND	3	35	73.5	9	2	65	.30	.099	13	14	.50	717	.02	4	1.77	.01	.17	1
L9800N 10425E	14	52	15	613	1.2	44	14	1071	4.51	27	5	ND	3	30	5.4	4	2	74	.33	.099	15	12	.60	232	.04	6	1.76	.02	.14	1
L9800N 10450E	21	73	21	853	1.1	70	17	1374	5.57	30	5	ND	1	48	7.2	6	2	106	.78	.118	16	16	.83	160	.13	2	2.43	.02	.12	1
L9800N 10475E	12	50	17	528	.6	47	17	1148	5.25	16	5	ND	4	31	4.8	2	2	106	.66	.098	14	17	.85	192	.20	2	2.27	.02	.09	1
L9800N 10500E	5	35	16	295	.7	34	17	1053	4.90	7	5	ND	2	25	2.9	2	2	108	.53	.100	15	25	.93	130	.25	4	2.82	.02	.09	1
L9800N 10525E	14	57	22	419	.5	37	23	1356	6.47	16	5	ND	1	73	3.4	2	2	145	1.01	.081	10	15	1.11	139	.35	2	3.38	.02	.06	1
L9800N 10550E	7	67	25	450	.5	38	41	2126	8.64	14	5	ND	1	33	5.5	4	2	208	.60	.133	15	22	1.56	132	.34	2	3.63	.02	.04	1
L9800N 10575E	2	34	29	214	.2	24	15	1463	5.94	8	5	ND	2	25	1.1	2	2	104	.65	.112	29	21	.75	113	.29	2	3.72	.03	.07	1
L9800N 10650E	1	45	14	193	.2	20	30	2589	8.60	2	5	ND	2	142	1.9	2	2	172	1.84	.091	11	24	1.33	81	.62	2	5.09	.03	.04	1
L9800N 10675E	1	45	23	217	.1	19	31	2890	9.03	2	5	ND	2	141	2.2	2	5	173	1.95	.096	13	22	1.37	79	.64	2	5.44	.03	.03	1
L9800N 10700E	1	55	14	194	.3	26	38	4222	8.37	3	5	ND	1	142	2.3	2	2	196	2.12	.084	9	33	1.36	94	.58	3	5.35	.02	.04	1
L9600N 9600E	2	39	13	185	.1	24	21	1365	6.64	9	5	ND	4	33	1.1	2	2	141	.74	.103	22	18	.96	88	.43	3	4.25	.04	.09	1
L9600N 9625E	1	32	5	132	.1	15	29	1560	7.41	2	5	ND	2	26	1.1	2	2	193	1.29	.111	8	12	1.31	65	.63	2	3.65	.06	.06	1
L9600N 9650E	2	27	21	229	.1	15	12	1043	5.43	8	5	ND	6	29	1.1	2	2	89	.66	.067	55	13	.63	92	.32	2	3.56	.13	.17	1
L9600N 9675E	2	30	26	183	.1	18	15	951	5.69	8	5	ND	6	27	.4	2	2	119	.70	.083	28	14	.77	120	.37	2	3.59	.04	.08	1
L9600N 9700E	1	37	11	180	.2	20	20	1217	6.10	8	5	ND	3	35	1.2	2	2	150	.95	.085	20	13	.96	106	.42	7	3.41	.03	.07	1
L9600N 9725E	1	52	22	200	.1	25	24	1512	6.54	11	5	ND	1	32	1.8	2	2	166	1.12	.053	12	19	1.12	87	.44	5	2.96	.02	.04	1
L9600N 9750E	1	42	17	282	.1	21	13	652	5.55	64	5	ND	2	50	1.4	7	4	96	1.11	.079	36	19	.88	111	.32	5	3.31	.09	.12	1
L9600N 9775E	1	49	19	236	.3	21	29	1689	6.60	33	5	ND	1	85	1.7	9	2	191	1.22	.065	8	15	1.15	127	.52	5	2.91	.02	.04	1
L9600N 9800E	1	38	12	175	.1	16	30	1390	8.39	124	5	ND	1	28	1.7	14	7	171	.97	.074	13	13	.80	96	.33	4	2.01	.01	.03	1
L9600N 9825E	1	55	24	182	.2	21	49	3064	9.72	52	5	ND	1	31	1.5	5	2	214	1.17	.087	12	22	1.65	82	.44	6	3.92	.02	.03	1
L9600N 9850E	1	45	22	188	.1	21	25	1297	6.63	31	5	ND	1	44	1.4	4	3	166	1.39	.083	14	19	1.03	90	.51	2	3.14	.02	.05	1
L9600N 9875E	1	50	21	226	.1	24	25	1302	7.21	27	5	ND	1	40	1.3	3	2	177	1.20	.092	14	20	1.11	100	.49	2	3.55	.02	.06	1
L9600N 9900E	2	48	17	217	.3	25	27	1401	6.83	17	5	ND	2	51	1.5	2	2	163	1.42	.087	10	26	1.22	107	.50	3	3.48	.04	.07	1
L9600N 9925E	1	42	13	148	.2	19	24	1236	5.86	2	5	ND	1	64	1.1	2	2	146	2.49	.069	4	27	1.25	61	.52	3	4.54	.04	.05	1
L9600N 9950E	1	44	14	186	.3	24	25	1305	6.24	3	5	ND	1	46	1.1	2	2	158	1.57	.075	8	34	1.16	74	.54	4	4.74	.03	.06	1
L9600N 9975E	3	43	9	201	.3	26	23	1396	6.16	4	5	ND	2	44	1.4	2	2	155	1.34	.100	12	27	1.05	73	.48	5	4.15	.04	.07	2
L9600N 10000E	4	35	26	289	.2	27	12	592	5.64	9	5	ND	5	23	1.0	2	2	115	.43	.101	39	24	.75	79	.34	2	4.22	.04	.08	1
L9600N 10025E	3	44	18	252	.3	28	22	1117	6.57	7	5	ND	1	36	1.9	2	2	175	1.27	.095	12	27	1.11	92	.52	2	3.36	.02	.05	1
L9600N 10050E	16	51	25	517	.4	45	22	1217	8.03	20	5	ND	1	72	3.3	2	2	159	1.05	.123	17	18	.85	137	.36	2	4.94	.02	.08	1
L9600N 10075E	5	49	21	294	.3	32	23	1249	7.33	11	5	ND	1	41	1.4	2	2	175	.96	.104	16	21	1.07	111	.49	2	3.64	.02	.07	1
L9600N 10100E	5	44	16	361	.3	32	17	953	6.16	12	5	ND	1	28	2.3	2	3	142	.70	.103	20	19	.95	121	.37	2	3.20	.02	.08	1
STANDARD C	18	61	40	134	7.2	72	31	1044	3.96	37	18	6	39	52	18.9	14	19	56	.51	.094	38	56	.91	183	.09	33	1.89	.06	.13	13

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
L9600N 10125E	5	45	13	394	.1	34	21	1207	6.83	16	5	ND	1	28	3.3	2	2	155	.86	.110	15	22	1.06	143	.39	2	3.52	.02	.07	1
L9600N 10150E	4	47	16	357	.2	31	22	1306	7.13	18	5	ND	3	35	3.3	2	2	159	1.04	.105	13	20	1.13	134	.43	2	3.70	.03	.05	1
L9600N 10175E	2	46	15	254	.2	26	27	1525	7.68	10	5	ND	1	60	2.4	2	2	183	1.87	.098	10	24	1.41	103	.59	2	4.32	.03	.05	1
L9600N 10200E	1	47	9	232	.2	25	26	1457	7.56	10	5	ND	2	62	1.9	3	5	180	1.79	.093	9	23	1.43	97	.61	2	4.23	.03	.05	1
L9600N 10225E	2	43	14	249	.2	26	24	1294	6.95	11	5	ND	1	47	2.2	4	2	176	1.65	.095	7	22	1.32	87	.60	2	3.61	.03	.06	1
L9600N 10250E	1	45	18	196	.1	23	26	1284	7.37	16	5	ND	1	57	2.0	2	2	187	1.93	.088	7	21	1.46	74	.67	2	4.05	.03	.04	1
L9600N 10275E	1	44	6	212	.1	25	26	1444	7.13	10	5	ND	1	63	1.9	2	4	179	1.94	.083	11	24	1.41	85	.61	2	4.07	.03	.05	1
L9600N 10300E	1	43	13	207	.1	24	24	1324	6.71	5	5	ND	1	60	1.9	2	4	174	1.97	.081	10	25	1.34	76	.60	2	3.74	.03	.04	1
L9600N 10325E	3	47	8	270	.2	29	25	1354	6.85	16	5	ND	1	50	2.4	3	2	178	1.63	.086	9	22	1.26	105	.57	2	3.61	.02	.05	1
L9600N 10350E	3	44	14	285	.2	32	22	1188	6.51	13	5	ND	1	47	2.1	3	2	158	1.46	.087	10	27	1.28	138	.48	2	3.45	.03	.07	1
L9600N 10375E	4	41	18	346	.3	29	18	1159	6.01	13	5	ND	1	22	1.8	4	3	135	.61	.088	17	22	.94	155	.29	5	3.31	.03	.08	1
L9600N 10400E	4	36	10	307	.2	30	18	1240	6.10	15	5	ND	3	20	1.9	3	2	129	.54	.093	18	23	.94	122	.30	3	3.29	.03	.08	1
L9600N 10425E	4	46	21	383	.2	31	22	1571	6.53	19	5	ND	1	29	3.1	5	2	149	.83	.091	15	23	1.03	162	.29	3	3.54	.02	.09	1
L9600N 10450E	2	49	14	218	.2	26	26	1405	7.31	11	5	ND	1	53	1.4	3	2	176	1.82	.087	8	23	1.35	107	.59	2	4.12	.03	.06	1
L9600N 10475E	9	61	19	511	.5	50	35	2213	8.52	22	5	ND	3	41	4.3	2	9	187	1.02	.103	13	22	1.11	189	.41	2	3.65	.02	.07	1
L9600N 10500E	3	49	10	296	.3	30	27	1402	6.65	14	5	ND	3	50	3.4	2	4	150	1.18	.091	16	20	1.23	162	.43	2	3.75	.03	.08	1
L9400N 9600E	3	30	14	177	.1	18	13	810	5.30	10	5	ND	5	19	.9	2	3	94	.45	.106	34	17	.65	87	.33	2	4.04	.06	.11	1
L9400N 9625E	2	33	17	203	.1	19	19	1588	6.29	22	5	ND	7	27	1.2	2	2	158	.81	.081	38	17	.76	149	.40	3	4.00	.04	.08	1
L9400N 9650E	3	33	14	177	.1	20	15	1156	5.61	11	5	ND	6	31	1.3	2	3	91	.65	.102	36	15	.72	201	.33	4	3.82	.06	.11	1
L9400N 9675E	3	33	18	199	.1	22	17	1001	5.79	17	5	ND	5	17	.2	2	3	112	.46	.089	29	17	.81	87	.34	3	3.28	.05	.08	1
L9400N 9700E	1	49	11	161	.1	17	27	1313	6.17	13	5	ND	1	25	.6	2	4	185	1.35	.058	5	13	1.06	90	.59	3	2.75	.02	.03	1
L9400N 9725E	1	36	9	193	.1	23	18	918	6.42	32	5	ND	2	23	.8	2	2	149	.85	.093	18	23	.93	87	.37	2	3.56	.03	.06	1
L9400N 9750E	2	31	6	155	.1	26	24	1322	6.31	14	5	ND	2	31	1.0	2	5	152	1.02	.071	12	26	1.16	89	.46	2	4.08	.02	.04	1
L9400N 9775E	1	45	5	151	.1	18	27	1556	6.10	20	5	ND	1	39	1.3	2	6	182	1.62	.052	5	20	1.29	90	.58	4	3.30	.02	.03	1
L9400N 9800E	1	42	13	161	.1	19	31	1653	6.95	48	5	ND	1	41	.9	4	3	176	1.64	.085	5	21	1.22	83	.47	2	3.26	.02	.05	1
L9400N 9825E	1	36	16	148	.1	18	27	1413	7.24	42	5	ND	1	23	.6	3	2	151	.90	.093	12	21	1.01	67	.37	2	3.25	.03	.04	1
L9400N 9850E	1	39	10	173	.1	20	28	1470	7.54	117	5	ND	2	26	.8	10	2	182	1.13	.084	11	18	.98	72	.42	2	3.28	.02	.04	1
L9400N 9875E	1	37	9	192	.1	23	19	806	6.18	69	5	ND	4	22	1.0	9	8	141	.88	.085	20	20	1.07	70	.49	2	3.58	.03	.07	1
L9400N 9900E	1	38	16	183	.2	22	23	1176	6.55	10	5	ND	4	26	1.4	2	2	152	1.01	.092	16	24	1.09	76	.54	2	3.85	.04	.07	1
L9400N 9925E	1	36	11	151	.1	15	30	1873	6.14	10	5	ND	1	180	.8	2	2	199	1.97	.066	6	13	1.05	127	.66	3	3.40	.02	.02	1
L9400N 9950E	2	38	17	224	.2	23	20	1103	6.30	12	5	ND	2	44	.9	2	3	159	1.03	.119	15	19	.95	85	.46	2	3.92	.03	.07	1
L9400N 9975E	1	34	14	187	.1	18	23	1405	5.83	8	5	ND	2	53	1.1	2	6	174	1.24	.088	15	13	.83	83	.50	3	3.86	.03	.04	1
L9400N 10000E	1	37	12	172	.3	16	29	1390	5.54	4	5	ND	1	75	.8	2	6	177	2.11	.076	5	10	.76	67	.53	2	3.37	.02	.04	1
L9400N 10025E	23	79	42	655	1.0	57	12	782	7.75	46	5	ND	3	64	1.6	10	6	102	.24	.134	14	11	.50	253	.24	2	3.00	.01	.12	1
L9400N 10050E	4	43	9	311	.4	32	22	1177	6.82	17	5	ND	3	39	2.1	2	7	167	1.17	.104	14	25	1.07	108	.43	3	3.77	.02	.06	1
L9400N 10075E	4	41	18	314	.2	31	20	1080	6.65	15	5	ND	2	30	2.0	2	10	162	1.05	.106	16	24	1.10	91	.43	2	3.43	.02	.06	1
STANDARD C	19	62	39	132	7.2	72	31	1048	3.97	40	18	6	39	51	18.9	14	20	55	.58	.096	38	56	.89	183	.09	36	1.89	.07	.14	11

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	Tl %	B ppm	Al %	Na %	K %	W ppm
L9400N 10100E	4	42	24	332	.1	33	21	1233	7.64	15	5	ND	1	28	1.9	7	4	164	.88	.116	18	34	1.24	95	.33	2	3.78	.02	.05	1
L9400N 10125E	2	55	13	317	.1	33	28	1535	9.44	14	5	ND	1	54	1.8	12	2	172	1.24	.122	16	42	1.75	109	.35	2	5.43	.03	.05	1
L9400N 10150E	1	57	21	321	.1	37	30	1664	10.14	14	5	ND	1	60	1.2	14	7	180	1.39	.122	14	45	1.93	103	.36	2	5.80	.02	.05	1
L9400N 10175E	2	54	9	314	.1	33	31	1732	10.16	14	5	ND	1	55	1.8	11	2	183	1.40	.116	14	41	1.94	93	.40	2	5.53	.02	.05	1
L9400N 10200E	2	56	12	306	.1	32	31	1718	9.91	13	5	ND	1	63	2.8	13	2	181	1.56	.114	12	44	1.96	84	.38	2	5.53	.02	.05	1
L9400N 10225E	1	56	13	323	.1	34	30	1606	10.24	12	5	ND	1	56	2.6	12	2	184	1.31	.121	14	47	1.91	84	.36	2	5.97	.02	.05	1
L9400N 10250E	2	50	14	312	.1	31	27	1444	8.67	13	5	ND	1	43	1.5	9	4	158	1.07	.117	16	38	1.60	113	.36	2	4.72	.02	.06	1
L9400N 10275E	2	48	19	342	.1	31	25	1379	8.57	16	5	ND	1	33	2.3	10	2	156	.90	.132	17	34	1.48	124	.34	2	4.75	.02	.07	1
L9400N 10300E	2	48	12	323	.1	30	26	1467	8.68	22	5	ND	1	37	2.1	12	7	154	.98	.117	16	37	1.59	105	.32	2	4.65	.02	.06	1
L9400N 10325E	2	51	15	299	.1	34	27	1429	8.80	16	5	ND	1	46	.7	8	2	162	1.28	.111	15	44	1.70	86	.34	2	4.54	.02	.05	1
L9400N 10350E	2	51	11	282	.1	39	28	1387	9.36	16	5	ND	1	52	.9	13	2	174	1.53	.101	14	45	1.88	78	.40	2	4.48	.02	.05	1
L9400N 10375E	2	53	22	278	.1	30	29	1491	9.32	4	5	ND	1	65	2.3	11	2	166	1.58	.114	14	43	1.83	102	.35	2	5.11	.02	.06	1
L9400N 10425E	1	53	15	177	.1	25	37	2039	10.21	8	5	ND	1	100	.8	12	2	215	2.60	.085	8	39	2.25	60	.51	2	5.25	.02	.03	1
L9400N 10450E	1	55	13	192	.1	28	38	1975	10.58	8	5	ND	1	85	1.3	13	2	219	2.58	.091	8	42	2.38	56	.49	2	5.39	.02	.03	1
L9200N 9500E	2	33	19	196	.1	20	17	1045	5.92	16	5	ND	1	14	.9	2	2	105	.28	.117	18	26	.70	90	.25	2	3.55	.03	.07	1
L9200N 9525E	2	34	12	181	.1	20	16	1003	6.09	20	5	ND	1	21	1.2	4	2	110	.37	.146	24	24	.62	89	.28	2	4.56	.04	.08	1
L9200N 9550E	2	34	26	177	.1	22	15	1048	5.94	14	5	ND	2	39	1.3	4	2	95	.85	.124	30	26	.65	88	.29	2	5.04	.05	.12	1
L9200N 9575E	3	34	21	168	.1	19	17	1409	5.85	15	5	ND	2	17	1.4	4	2	103	.39	.127	26	25	.60	73	.28	2	4.09	.05	.08	1
L9200N 9600E	4	32	16	200	.1	20	14	876	5.51	14	5	ND	1	17	.5	4	3	117	.35	.172	31	26	.52	85	.21	2	4.78	.04	.08	1
L9200N 9625E	3	27	15	191	.1	17	11	689	5.57	14	5	ND	2	17	1.2	3	2	113	.42	.144	36	23	.46	74	.25	2	4.31	.05	.07	1
L9200N 9650E	2	31	16	172	.1	14	21	1209	7.20	16	5	ND	2	24	.9	2	2	153	.91	.073	25	22	.89	90	.37	2	3.64	.03	.05	1
L9200N 9675E	2	34	18	205	.1	29	14	683	5.81	23	5	ND	2	42	1.2	3	2	135	.71	.085	23	30	.82	122	.29	2	2.76	.03	.07	1
L9200N 9700E	3	38	13	242	.1	27	23	1571	7.74	16	5	ND	1	19	1.2	4	2	143	.49	.116	26	33	.84	79	.28	2	3.73	.03	.06	1
L9200N 9725E	2	37	26	224	.1	18	20	1285	6.63	15	5	ND	3	33	1.8	6	2	108	.95	.079	34	25	.81	123	.31	2	3.53	.06	.09	1
L9200N 9750E	2	45	21	280	.1	26	21	1113	7.31	31	5	ND	2	34	1.0	8	2	154	1.02	.124	31	37	.99	119	.28	2	4.48	.03	.07	1
L9200N 9775E	1	37	17	154	.1	15	29	1545	7.37	15	5	ND	1	36	1.3	4	2	181	1.85	.085	15	33	1.40	69	.42	4	3.83	.03	.04	1
L9200N 9800E	1	45	16	162	.1	18	28	1634	7.21	19	5	ND	1	60	1.2	9	2	177	2.02	.075	15	32	1.23	85	.40	4	3.51	.03	.04	1
L9200N 9825E	1	42	16	148	.1	16	29	2306	7.30	19	5	ND	1	66	1.5	7	2	180	1.63	.084	10	33	1.17	90	.43	2	4.12	.02	.04	1
L9200N 9850E	1	39	7	164	.1	19	27	1574	6.71	34	5	ND	1	40	1.1	4	2	167	1.69	.083	9	26	1.23	59	.41	2	2.69	.02	.03	1
L9200N 9875E	2	29	26	178	.1	16	21	1130	6.83	38	5	ND	1	23	2.2	6	2	152	.66	.113	16	28	.87	63	.38	2	4.25	.03	.04	1
L9200N 9900E	1	28	19	182	.1	16	24	1173	6.49	202	5	ND	1	32	1.8	57	2	167	1.09	.071	10	28	1.05	59	.45	2	3.30	.02	.02	1
L9200N 9925E	2	34	19	228	.1	21	19	999	6.75	15	5	ND	1	37	1.5	3	2	142	.88	.102	27	27	.88	77	.39	2	4.03	.04	.06	1
L9200N 9950E	2	40	9	205	.1	18	26	1500	7.37	20	5	ND	1	33	1.0	7	3	169	.85	.123	12	31	1.02	73	.43	2	3.84	.04	.05	1
L9200N 9975E	3	43	24	329	.1	26	20	1200	7.15	17	5	ND	1	31	2.5	6	2	148	.78	.120	23	32	.98	113	.34	2	3.87	.03	.07	1
L9200N 10000E	8	50	14	401	.5	35	17	849	5.97	30	5	ND	1	30	3.6	5	2	146	.98	.101	13	26	.80	109	.33	2	2.22	.02	.05	1
L9200N 10025E	6	40	15	354	.3	24	18	1102	6.05	22	5	ND	1	30	3.3	5	4	139	1.09	.113	17	28	.92	96	.33	2	2.44	.02	.06	1
STANDARD C	19	62	38	131	7.4	72	31	1054	3.97	39	18	7	36	53	18.5	15	23	56	.51	.095	37	61	.87	180	.07	33	1.88	.06	.14	11

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
L9200N 10050E	6	38	17	362	.3	29	19	1208	6.80	25	5	ND	1	42	2.5	2	2	158	1.25	.109	24	24	.94	144	.47	2	3.16	.02	.07	1
L9200N 10075E	5	33	25	281	.4	25	15	995	6.10	15	5	ND	3	24	1.6	2	2	122	.54	.138	21	24	.72	105	.32	2	4.18	.03	.08	1
L9200N 10100E	4	38	22	331	.3	27	15	812	6.07	12	5	ND	1	23	1.1	2	2	132	.52	.134	22	27	.85	109	.31	2	4.23	.03	.09	1
L9200N 10125E	6	42	24	371	.2	30	18	1139	6.54	21	5	ND	3	19	2.1	2	2	135	.43	.127	19	17	.90	118	.32	2	4.06	.04	.09	1
L9200N 10150E	9	55	13	495	.5	45	22	1401	7.17	23	5	ND	1	25	3.6	3	2	152	.66	.168	18	19	.96	173	.35	2	3.81	.03	.11	1
L9200N 10175E	4	36	10	305	.4	25	16	909	6.14	17	5	ND	3	16	.8	2	5	119	.37	.116	19	20	.88	81	.39	3	3.59	.05	.09	2
L9200N 10200E	4	42	19	345	.5	32	20	1315	6.57	17	5	ND	4	21	1.5	2	2	128	.44	.140	20	24	.93	112	.37	4	3.95	.04	.10	1
L9200N 10225E	4	49	25	341	.4	31	21	1394	6.73	24	5	ND	3	25	1.9	2	2	137	.55	.128	19	25	.97	137	.36	2	4.08	.04	.10	1
L9200N 10250E	4	52	15	348	.4	34	27	1624	7.27	14	5	ND	1	46	3.0	2	5	166	.95	.104	16	24	1.11	168	.42	2	4.58	.02	.09	2
L9200N 10275E	4	47	9	301	.3	31	24	1528	7.16	15	5	ND	2	38	2.1	2	5	149	.74	.109	18	24	1.06	134	.40	2	4.84	.03	.08	1
L9200N 10300E	3	54	20	280	.4	31	34	1943	8.45	10	5	ND	1	72	1.1	2	4	199	1.28	.079	12	28	1.37	117	.58	2	5.62	.02	.05	1
L9200N 10325E	4	55	15	336	.3	34	33	1850	7.48	13	5	ND	1	40	2.5	2	3	182	1.02	.060	15	29	1.16	178	.49	2	4.90	.02	.06	1
L9200N 10350E	3	36	16	242	.2	29	16	991	6.58	9	5	ND	1	26	1.3	2	3	123	.71	.108	17	26	.88	93	.29	2	4.91	.03	.07	1
L9200N 10375E	3	47	10	332	.4	33	21	1189	6.76	15	5	ND	1	27	2.5	2	4	145	.77	.106	17	25	1.07	146	.36	2	4.18	.03	.08	1
L9200N 10450E	1	39	5	148	.1	16	29	1764	8.71	2	5	ND	1	148	1.0	2	2	146	2.47	.096	7	20	1.78	71	.62	2	5.91	.05	.04	2
L9200N 10475E	1	37	18	136	.1	15	29	1684	8.50	2	5	ND	1	163	1.2	2	2	159	2.58	.095	9	18	1.72	67	.61	2	5.76	.06	.04	1
L9200N 10500E	1	29	2	78	.2	9	17	900	3.09	5	5	ND	1	131	.2	2	2	103	3.98	.053	2	4	.55	17	.21	2	4.42	.01	.01	1
L9000N 9500E	4	38	20	164	.1	20	14	892	5.63	13	5	ND	4	24	.2	2	2	88	.47	.116	37	17	.65	84	.36	4	4.31	.08	.12	3
L9000N 9525E	4	36	23	166	.1	19	14	863	5.68	14	5	ND	4	25	.8	2	5	100	.54	.117	32	18	.69	82	.37	3	4.10	.08	.11	2
L9000N 9550E	2	48	19	216	.2	24	27	1718	7.64	30	5	ND	4	36	.5	2	2	175	1.14	.092	20	17	1.05	119	.51	3	4.68	.04	.07	2
L9000N 9575E	2	33	6	144	.1	24	19	1067	6.70	8	5	ND	3	21	1.2	2	2	142	.50	.074	25	20	.90	88	.43	5	4.44	.05	.07	1
L9000N 9600E	3	34	20	150	.2	19	17	1145	6.72	9	5	ND	3	19	.2	2	2	130	.40	.121	23	19	.71	80	.43	3	4.61	.05	.09	2
L9000N 9625E	2	41	12	221	.1	22	24	1472	7.09	18	5	ND	2	33	1.3	2	2	170	1.14	.079	15	14	.91	122	.55	4	2.97	.03	.06	1
L9000N 9650E	4	46	22	265	.3	26	21	1654	7.20	30	5	ND	6	25	1.2	2	2	134	.65	.115	30	21	.84	113	.38	4	3.91	.05	.08	2
L9000N 9675E	4	38	20	244	.1	24	16	1176	6.68	14	5	ND	7	22	.8	2	2	113	.48	.113	40	20	.76	86	.40	4	4.49	.06	.10	1
L9000N 9700E	1	45	13	223	.2	22	29	1813	7.03	14	5	ND	1	45	1.5	2	2	176	1.47	.082	9	25	1.23	109	.57	2	3.71	.03	.05	1
L9000N 9725E	3	44	21	234	.3	28	24	1379	6.55	19	5	ND	3	37	.7	2	2	137	1.04	.104	25	25	.93	115	.45	2	3.40	.05	.08	1
L9000N 9750E	2	54	18	207	.2	26	29	1765	7.38	16	5	ND	4	36	.9	2	2	161	1.19	.081	16	22	.93	96	.47	4	3.50	.04	.06	1
L9000N 9775E	3	41	17	218	.1	24	16	1085	6.22	15	5	ND	7	25	.7	2	2	97	.63	.089	43	20	.73	81	.36	2	4.23	.06	.11	1
L9000N 9800E	1	71	8	203	.4	32	47	2630	9.01	14	5	ND	1	45	.8	2	2	197	1.32	.098	9	45	1.36	72	.50	2	4.76	.03	.07	1
L9000N 9825E	3	44	22	193	.1	28	19	1170	6.41	12	5	ND	7	28	.2	2	2	105	.72	.093	37	24	.86	80	.40	2	4.21	.06	.10	1
L9000N 9850E	4	35	15	181	.1	21	13	757	5.75	8	5	ND	7	19	.2	2	2	82	.44	.096	46	21	.65	76	.35	5	4.33	.08	.10	1
L9000N 9875E	3	38	13	181	.1	24	20	1050	6.63	11	5	ND	1	35	.7	2	2	152	.81	.096	19	28	.95	71	.50	3	4.19	.03	.06	2
L9000N 9900E	4	32	17	171	.1	20	17	978	6.15	20	5	ND	4	21	.2	2	6	115	.48	.104	27	21	.72	56	.44	2	4.07	.05	.08	1
L9000N 9925E	5	26	19	131	.3	16	13	1164	6.58	7	5	ND	2	15	.2	2	4	109	.22	.106	25	20	.49	69	.36	2	4.28	.05	.07	1
L9000N 9950E	9	45	17	422	.7	32	16	940	5.62	22	5	ND	1	33	4.2	2	2	128	.84	.099	13	19	.82	160	.30	3	2.77	.02	.10	1
STANDARD C	19	63	42	131	7.3	72	31	1047	4.00	40	18	6	39	52	18.6	15	20	55	.52	.093	37	57	.89	182	.09	34	1.89	.06	.13	11

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	Tl %	B ppm	Al %	Na %	K %	W ppm
L9000 9975E	9	46	26	471	.2	39	21	1254	6.33	19	5	ND	1	35	5.3	2	2	139	1.03	.118	15	25	.97	159	.27	5	2.76	.02	.07	3
L9000 10000E	7	44	31	439	.1	39	23	1262	6.50	25	5	ND	1	36	6.6	2	2	151	1.23	.116	14	28	1.09	151	.35	3	2.65	.02	.07	1
L9000 10025E	10	47	22	471	.3	35	17	996	6.52	23	5	ND	1	30	3.6	2	2	141	.83	.119	16	26	.98	168	.25	2	3.00	.02	.07	1
L9000 10050E	6	43	11	409	.1	36	22	1331	6.12	25	5	ND	1	34	5.2	2	2	137	.97	.117	15	26	.96	162	.29	4	2.65	.02	.07	1
L9000 10075E	7	47	17	438	.2	37	22	1322	6.45	29	5	ND	1	37	5.4	2	2	139	.98	.121	15	29	1.02	162	.27	3	2.80	.02	.08	1
L9000 10100E	7	47	14	445	.3	36	22	1312	6.45	24	5	ND	1	39	5.2	3	2	140	1.00	.121	14	29	1.01	166	.29	6	2.74	.02	.07	2
L9000 10125E	6	47	24	430	.1	38	24	1418	6.14	25	5	ND	1	42	7.4	2	5	144	1.25	.124	13	27	.99	159	.39	2	2.57	.02	.07	3
L9000 10150E	7	48	20	440	.2	41	23	1346	6.24	27	5	ND	1	39	6.1	2	2	141	1.11	.123	15	27	.99	174	.31	2	2.66	.02	.08	1
L9000 10175E	6	48	19	446	.3	36	22	1302	6.11	22	5	ND	1	42	5.9	2	4	139	1.12	.119	14	28	.96	165	.31	2	2.63	.02	.08	1
L9000 10200E	6	47	14	420	.4	36	23	1364	6.31	17	5	ND	1	39	4.9	2	2	142	1.00	.114	14	30	1.02	143	.29	2	2.97	.02	.07	4
L9000 10225E	7	50	13	456	.3	41	25	1484	6.26	24	5	ND	1	48	7.2	2	3	147	1.30	.119	13	28	1.01	154	.35	2	2.73	.02	.07	1
L9000 10250E	5	44	14	428	.3	30	20	1097	5.87	17	5	ND	1	32	5.3	2	2	133	.89	.107	14	24	.91	161	.27	2	2.57	.01	.07	1
L9000 10275E	4	50	20	432	.4	35	24	1226	7.21	21	6	ND	1	59	4.7	2	4	159	1.67	.117	13	32	1.23	145	.37	4	3.20	.02	.09	1
L9000 10300E	3	52	19	396	.2	38	27	1707	7.48	18	5	ND	1	45	4.2	2	2	168	1.11	.111	14	38	1.37	125	.34	2	4.27	.02	.06	1
L9000 10325E	3	58	23	391	.1	43	31	2057	8.85	17	5	ND	1	53	1.9	3	2	186	1.25	.114	15	44	1.65	114	.37	2	5.61	.02	.05	1
L9000 10350E	3	60	33	398	.2	43	31	2084	8.86	20	5	ND	1	57	3.2	6	2	188	1.29	.113	15	48	1.65	112	.38	2	5.74	.02	.05	1
L9000 10375E	2	64	27	449	.3	45	33	2253	9.03	18	5	ND	1	66	2.8	4	2	194	1.41	.122	15	47	1.63	108	.37	2	6.16	.02	.05	1
L9000 10400E	3	64	27	460	.2	48	32	2086	8.85	15	5	ND	1	61	2.9	5	2	194	1.39	.110	14	45	1.65	101	.39	2	5.79	.02	.04	1
L9000 10425E	2	66	26	488	.3	46	32	2045	8.95	20	5	ND	1	65	3.3	5	2	197	1.45	.104	13	43	1.67	106	.39	2	5.85	.02	.04	1
L9000 10450E	3	68	29	405	.2	46	34	2271	8.90	10	5	ND	1	71	2.3	2	2	183	1.58	.102	14	51	1.78	97	.37	2	6.10	.02	.04	1
L9000 10475E	2	67	25	447	.3	47	33	2167	8.80	17	5	ND	1	65	3.8	4	2	188	1.44	.101	12	47	1.69	105	.37	2	5.87	.02	.04	1
L9000 10500E	3	64	23	511	.4	46	31	2045	8.60	16	5	ND	1	57	3.2	5	2	189	1.36	.087	14	43	1.62	116	.36	2	5.36	.02	.04	1
L8800 9500E	1	28	15	198	.1	23	17	1148	6.63	19	8	ND	1	27	.9	2	2	139	.69	.113	22	31	.81	96	.39	2	3.65	.04	.06	1
L8800 9525E	2	23	21	191	.1	17	14	1297	6.27	10	6	ND	1	15	1.5	2	2	112	.30	.132	23	23	.58	67	.24	2	4.12	.04	.06	1
L8800 9550E	3	19	14	196	.1	13	9	813	5.52	16	18	ND	3	25	.9	2	2	114	.37	.113	55	26	.36	68	.25	2	4.21	.04	.07	1
L8800 9575E	2	33	13	205	.1	22	27	1636	7.67	7	7	ND	1	40	1.2	2	2	166	.82	.106	20	32	1.37	85	.36	2	4.01	.03	.05	1
L8800 9600E	1	36	23	191	.1	19	30	1796	8.80	31	5	ND	1	49	.5	2	2	195	1.05	.082	13	33	1.30	116	.34	2	3.17	.02	.03	1
L8800 9625E	1	43	2	171	.1	15	38	2561	10.41	83	5	ND	1	14	.9	2	2	164	.57	.072	10	25	.62	64	.06	2	1.88	.01	.02	1
L8800 9650E	1	35	18	156	.1	18	28	1515	8.01	19	6	ND	1	22	.6	2	2	168	.85	.092	14	33	.95	83	.28	2	2.91	.02	.03	1
L8800 9675E	1	24	11	198	.1	17	16	1054	6.78	14	8	ND	1	22	.6	2	2	149	.65	.109	28	38	.79	74	.31	2	3.62	.03	.05	1
L8800 9700E	1	47	4	204	.2	25	31	2113	7.84	13	5	ND	1	30	1.0	2	2	163	1.04	.107	17	38	1.27	75	.38	3	3.92	.03	.05	1
L8800 9725E	2	40	21	204	.1	26	27	1615	7.49	10	8	ND	1	38	1.9	2	2	177	1.10	.096	14	40	1.23	85	.40	2	3.91	.02	.05	1
L8800 9750E	4	43	18	325	.3	31	23	1407	7.08	11	5	ND	1	23	1.8	2	2	158	.80	.102	15	36	1.05	93	.33	4	3.63	.02	.06	1
L8800 9775E	7	53	16	443	.4	40	23	1486	7.00	11	5	ND	1	35	4.1	3	2	155	1.01	.103	13	31	.99	123	.30	2	2.83	.02	.07	1
L8800 9800E	4	31	5	244	.2	25	16	1129	5.96	5	8	ND	1	14	2.3	2	2	120	.41	.112	20	27	.75	69	.30	2	3.38	.03	.06	1
L8800 9825E	4	27	11	208	.1	18	14	963	5.75	5	12	ND	1	13	1.8	2	2	118	.26	.107	19	29	.57	70	.28	2	3.96	.03	.04	1
STANDARD C	18	61	41	129	7.4	72	32	1054	3.97	37	23	8	36	52	18.5	14	20	57	.51	.094	38	61	.88	179	.07	37	1.89	.06	.14	12

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
L8800N 9850E	9	46	12	575	.3	38	18	902	5.75	13	5	ND	1	34	4.1	4	2	128	.86	.103	15	20	.93	144	.23	2	2.87	.02	.08	1
L8800N 9875E	7	41	10	428	.1	37	24	1325	6.38	7	5	ND	1	27	4.0	4	4	152	.79	.091	15	21	1.15	110	.35	2	3.29	.02	.06	1
L8800N 9900E	9	45	14	486	.2	43	24	1294	6.23	15	5	ND	1	33	4.4	2	2	148	1.07	.100	15	19	1.16	119	.36	3	3.05	.02	.07	1
L8800N 9925E	6	37	8	489	.6	34	13	746	5.09	2	5	ND	1	37	3.3	2	2	111	.94	.116	22	29	.80	113	.21	4	3.44	.02	.07	1
L8800N 9950E	10	34	19	507	.1	36	20	1661	7.06	12	6	ND	2	21	2.7	4	2	133	.42	.103	25	24	.86	113	.23	2	4.27	.02	.08	2
L8800N 9975E	10	37	9	459	.2	36	18	880	5.97	9	5	ND	1	37	2.5	2	2	139	.92	.085	17	24	.99	111	.25	4	3.29	.02	.07	1
L8800N 10000E	9	41	9	460	.2	37	20	1183	6.10	16	5	ND	1	31	3.4	4	2	135	.75	.104	18	22	1.00	122	.24	2	3.31	.02	.08	1
L8800N 10025E	9	43	14	486	.3	37	20	1255	6.15	12	5	ND	1	34	4.0	3	2	134	.81	.099	18	20	1.02	123	.27	2	2.91	.02	.08	1
L8800N 10050E	8	42	11	474	.2	37	20	1194	5.99	15	5	ND	1	22	3.0	4	2	131	.54	.104	17	21	1.00	123	.22	2	3.19	.02	.08	1
L8800N 10075E	9	47	8	554	.3	39	23	1484	6.38	19	5	ND	2	27	4.6	4	2	133	.64	.107	18	22	1.11	145	.23	2	3.13	.02	.08	1
L8800N 10100E	8	43	4	557	.3	37	20	1377	6.07	15	5	ND	1	29	3.7	4	2	120	.57	.099	19	20	1.11	136	.22	2	3.09	.02	.08	1
L8800N 10125E	7	38	10	474	.2	36	20	1190	5.88	10	5	ND	1	29	3.6	4	2	123	.64	.088	19	21	1.08	120	.27	3	2.95	.02	.07	1
L8800N 10150E	8	49	11	630	.6	36	21	1383	6.44	24	5	ND	1	31	5.3	4	2	124	.60	.134	19	22	1.14	164	.19	2	3.00	.02	.10	2
L8800N 10175E	9	49	10	699	.7	33	21	1364	6.15	21	6	ND	2	22	6.7	5	2	120	.48	.131	17	19	.95	161	.16	2	2.73	.01	.09	1
L8800N 10200E	9	53	11	583	1.1	45	22	2279	6.10	40	7	ND	1	31	8.3	8	2	102	.57	.185	16	21	.90	203	.05	2	2.41	.01	.13	1
L8800N 10225E	5	47	9	452	.5	29	20	985	5.83	14	5	ND	1	52	4.9	3	2	132	1.24	.107	12	20	.98	135	.29	2	2.60	.02	.10	1
L8800N 10250E	7	49	12	476	.5	37	24	1523	5.83	14	5	ND	1	57	6.4	5	2	138	1.33	.106	12	19	.99	152	.31	3	2.59	.02	.10	1
L8800N 10275E	7	49	7	454	.4	37	20	1109	5.54	17	5	ND	2	33	5.0	3	2	133	.93	.088	12	20	.93	153	.29	2	2.39	.01	.07	1
L8800N 10300E	6	42	6	400	.1	33	23	1326	5.88	8	5	ND	1	39	5.2	2	2	153	1.29	.094	14	19	1.07	113	.40	2	2.75	.02	.07	1
L8800N 10325E	8	55	3	2040	.3	157	27	1441	7.36	21	5	ND	1	46	12.3	6	2	173	1.44	.107	14	24	1.45	170	.39	3	3.45	.02	.10	1
L8800N 10350E	6	36	13	283	.1	30	21	787	6.22	8	5	ND	2	15	1.8	3	2	141	.37	.109	18	22	.92	71	.34	3	3.81	.02	.06	1
L8800N 10375E	4	31	12	197	.1	22	25	1374	6.00	6	5	ND	1	20	1.5	4	3	132	.52	.138	21	25	.70	68	.26	2	4.28	.03	.05	1
L8800N 10425E	4	52	9	373	.2	30	40	2806	8.26	6	5	ND	1	141	4.1	2	2	205	2.06	.067	10	20	1.92	118	.40	2	5.13	.02	.05	1
L8800N 10450E	3	48	12	354	.1	30	38	2749	7.72	6	5	ND	1	127	3.1	2	2	195	2.03	.066	10	19	1.79	105	.36	2	4.88	.02	.05	1
L8800N 10475E	4	49	11	380	.3	32	39	2709	7.30	10	8	ND	1	135	3.7	4	3	184	2.22	.055	9	18	1.81	101	.34	2	4.59	.01	.04	1
L8800N 10500E	5	52	11	309	.2	33	38	2629	8.47	10	5	ND	1	129	3.4	2	2	197	2.07	.072	11	22	1.98	114	.42	2	5.01	.02	.05	1
L8600N 9500E	4	31	8	209	.1	20	24	1582	7.31	14	5	ND	3	28	1.4	2	2	171	.57	.106	21	22	1.00	92	.37	2	4.25	.04	.07	1
L8600N 9525E	2	36	10	223	.1	21	25	1506	6.83	20	5	ND	2	54	1.6	2	2	166	.87	.077	18	16	1.09	115	.35	3	4.24	.03	.06	1
L8600N 9550E	2	37	2	194	.1	22	37	2043	7.48	18	5	ND	1	75	1.6	2	2	178	1.25	.069	12	32	1.97	86	.33	2	4.03	.02	.04	1
L8600N 9575E	2	44	2	169	.1	18	33	1806	6.76	18	5	ND	1	84	2.2	2	2	176	1.62	.075	10	27	1.66	100	.43	2	3.58	.03	.04	1
L8600N 9600E	2	38	10	197	.1	21	31	1856	7.02	23	7	ND	2	70	1.5	2	2	174	1.30	.100	16	27	1.42	109	.35	2	3.99	.03	.06	1
L8600N 9625E	3	25	5	142	.1	18	19	1407	6.33	12	5	ND	2	24	.7	2	2	146	.56	.083	21	23	.87	62	.31	2	4.04	.03	.04	1
L8600N 9650E	3	32	6	191	.1	20	19	1210	6.07	16	5	ND	2	28	1.1	2	2	177	.69	.112	22	28	.94	66	.32	2	3.68	.03	.06	1
L8600N 9675E	2	38	2	177	.1	24	27	1417	6.57	15	5	ND	2	48	1.6	2	2	183	1.16	.079	16	29	1.41	103	.42	2	3.59	.03	.04	1
L8600N 9700E	6	46	2	359	.1	35	26	1383	6.66	17	5	ND	2	33	3.3	3	2	165	1.02	.101	16	23	1.30	119	.38	3	3.54	.02	.07	1
L8600N 9725E	5	32	3	236	.2	23	22	1081	5.67	14	5	ND	1	16	2.1	2	2	144	.48	.089	15	23	.92	72	.33	3	3.73	.02	.05	1
STANDARD C	19	61	42	133	7.3	72	32	1053	3.97	41	23	6	38	52	18.9	15	22	57	.52	.098	39	57	.89	183	.08	36	1.89	.06	.14	11

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 %	M ppm
L8600N 9750E	5	24	6	166	.4	17	24	1587	6.31	13	5	ND	1	12	1.9	2	4	126	.31	.070	17	21	.59	76	.36	5	4.21	.03	.03	1
L8600N 9775E	3	37	9	240	.4	28	26	1333	6.05	12	5	ND	1	38	2.1	2	2	161	1.45	.079	11	27	1.34	89	.41	4	3.25	.02	.05	1
L8600N 9800E	3	39	8	258	.3	29	25	1396	6.69	15	5	ND	2	30	2.1	4	2	146	.81	.096	17	22	1.57	79	.40	2	3.99	.02	.05	1
L8600N 9825E	4	34	18	250	.3	25	24	1275	6.53	15	5	ND	2	25	2.3	3	3	142	.75	.096	17	23	1.50	72	.43	2	3.46	.03	.05	2
L8600N 9850E	4	33	14	224	.3	25	25	1458	6.61	15	5	ND	1	23	1.9	2	2	154	.76	.097	13	23	1.43	85	.42	2	3.87	.02	.04	1
L8600N 9875E	5	27	10	217	.2	17	19	1324	6.09	15	5	ND	2	23	1.2	2	2	109	.49	.107	21	19	1.01	83	.34	2	3.97	.03	.06	2
L8600N 10025E	3	35	17	249	.3	24	25	1289	6.27	13	5	ND	1	47	2.0	2	2	143	1.42	.081	17	20	1.53	90	.41	2	3.50	.02	.05	1
L8600N 10050E	4	31	12	312	.2	16	26	1505	6.73	14	5	ND	1	61	3.5	5	2	134	1.72	.071	22	13	1.78	83	.32	3	3.58	.01	.06	1
L8600N 10075E	4	32	18	238	.2	16	30	1765	6.36	15	6	ND	1	68	2.4	2	2	130	1.69	.068	21	13	1.77	83	.34	2	3.63	.01	.05	1
L8600N 10100E	7	8	13	90	.1	3	2	211	1.54	3	5	ND	1	312	.9	2	2	8	4.36	.013	8	1	.66	62	.03	2	6.49	.01	.02	1
L8600N 10150E	2	35	8	179	.2	19	37	2043	7.54	9	5	ND	1	71	2.3	2	2	159	1.83	.105	14	16	2.15	99	.55	2	3.75	.02	.04	1
L8600N 10175E	5	51	26	553	.6	26	35	2008	9.24	20	5	ND	1	100	5.2	2	2	145	1.95	.103	13	19	2.10	74	.34	2	5.03	.02	.03	1
L8600N 10200E	4	30	18	302	.3	21	20	1140	5.84	12	5	ND	1	84	3.9	2	2	122	1.99	.082	23	15	1.72	76	.36	2	3.88	.02	.05	1
L8600N 10225E	3	14	23	193	.1	10	12	1132	4.14	7	5	ND	1	61	.6	2	3	30	1.07	.030	48	7	1.60	111	.08	2	3.08	.01	.12	1
L8600N 10275E	6	21	31	316	.1	17	15	1755	5.59	19	5	ND	1	55	1.6	2	4	78	1.23	.059	62	9	1.26	97	.22	3	2.77	.02	.06	1
L8600N 10300E	2	27	12	181	.1	14	22	1157	6.09	13	5	ND	1	67	2.7	2	2	128	1.68	.079	19	14	1.99	66	.45	2	3.37	.05	.06	1
L8600N 10325E	2	30	14	194	.2	17	22	1005	6.39	13	5	ND	1	75	2.6	2	2	127	1.75	.072	19	16	2.17	68	.40	4	3.86	.04	.06	1
L8600N 10350E	2	26	12	156	.1	16	23	958	6.07	8	6	ND	1	57	2.6	2	2	134	1.70	.070	17	15	1.88	53	.47	2	3.15	.03	.04	1
L8600N 10375E	2	31	10	190	.1	20	24	1195	6.59	10	5	ND	1	56	2.5	2	2	148	1.77	.087	15	22	1.95	86	.49	2	3.53	.04	.06	1
L8600N 10400E	2	33	8	181	.1	25	26	1388	6.29	9	5	ND	1	36	2.9	2	3	157	1.64	.090	12	24	1.61	83	.49	3	3.12	.04	.05	1
L8600N 10425E	3	39	19	232	.3	30	26	1664	6.60	8	5	ND	1	40	2.7	2	2	155	1.44	.087	13	26	1.67	99	.44	3	3.51	.03	.06	1
L8600N 10450E	3	36	6	242	.2	32	24	1619	5.99	12	5	ND	1	33	2.8	2	2	146	1.18	.080	16	25	1.47	116	.40	2	3.26	.04	.06	1
L8600N 10475E	3	42	8	258	.2	30	27	1540	6.54	10	5	ND	1	39	2.8	2	2	157	1.21	.086	16	27	1.70	110	.42	4	3.92	.04	.06	1
L8600N 10500E	2	43	7	247	.1	29	29	1730	6.75	11	5	ND	1	47	2.8	2	2	157	1.09	.093	15	25	1.84	110	.40	2	4.30	.03	.05	1
L8400N 9500E	3	33	11	267	.2	27	28	1516	7.04	20	5	ND	2	23	1.7	3	2	168	.77	.094	17	25	1.38	65	.38	3	4.50	.03	.05	1
L8400N 9525E	3	31	15	225	.1	18	30	1825	7.41	17	5	ND	1	25	2.7	2	2	183	.91	.080	13	20	1.36	84	.42	5	4.32	.03	.06	1
L8400N 9550E	4	44	19	378	.2	29	33	2428	7.65	23	5	ND	2	32	2.4	2	2	179	.91	.107	15	25	1.39	83	.35	2	4.42	.04	.06	1
L8400N 9575E	5	76	36	811	.5	54	33	1828	6.94	29	7	ND	1	42	4.9	3	2	222	1.38	.086	11	22	1.51	77	.39	3	3.95	.03	.06	1
L8400N 9600E	5	60	18	687	.3	40	37	1925	7.49	31	5	ND	1	46	4.8	2	3	214	1.60	.082	13	22	1.64	78	.41	2	4.29	.04	.06	1
L8400N 9625E	5	72	24	743	.4	47	34	1987	7.68	32	5	ND	2	43	5.1	5	2	213	1.30	.106	18	23	1.50	93	.38	3	4.50	.04	.07	1
L8400N 9650E	4	52	13	413	.2	30	32	1886	6.91	23	5	ND	1	46	3.2	2	2	191	1.58	.067	13	21	1.50	76	.42	2	3.95	.03	.05	1
L8400N 9675E	3	34	13	231	.3	22	30	1644	6.64	31	5	ND	2	48	2.5	3	2	203	1.69	.078	13	23	1.49	76	.45	8	3.84	.03	.05	1
L8400N 9700E	2	47	14	210	.1	24	37	1988	7.50	23	5	ND	1	49	2.4	2	2	182	1.42	.080	11	33	1.61	83	.40	6	4.36	.03	.06	1
L8400N 9725E	6	42	18	359	.1	35	29	1793	7.15	24	5	ND	1	22	2.3	2	2	171	.73	.098	13	31	1.28	120	.33	2	4.26	.02	.07	1
L8400N 9750E	4	29	20	299	.1	25	22	1453	6.16	14	5	ND	1	16	2.4	2	2	149	.68	.088	13	21	1.07	86	.32	6	3.55	.02	.05	1
L8400N 9775E	5	30	14	218	.1	24	19	1157	6.21	19	9	ND	1	21	1.4	2	2	150	.65	.132	20	28	.89	79	.29	2	4.44	.03	.06	1
STANDARD C	18	57	41	131	6.7	70	31	1049	3.95	42	20	6	36	52	18.5	15	20	56	.51	.091	36	56	.91	179	.07	37	1.92	.06	.14	11

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
L8400N 9800E	4	22	21	215	.1	20	15	1417	5.73	10	7	ND	1	9	1.8	2	4	120	.34	.105	18	23	.67	54	.25	2	3.85	.02	.04	1
L8400N 9825E	4	28	13	191	.1	19	18	1292	5.90	12	5	ND	1	12	1.9	3	2	134	.56	.123	16	26	.86	56	.32	3	3.46	.02	.04	1
L8400N 9850E	2	25	11	203	.1	23	18	1059	5.71	14	7	ND	1	12	1.8	2	4	131	.36	.112	15	27	.82	55	.29	2	4.26	.02	.04	1
L8400N 9875E	2	16	14	159	.1	13	10	640	5.02	8	11	ND	1	11	1.1	3	2	113	.32	.093	15	24	.61	53	.29	2	3.95	.02	.03	1
L8400N 9900E	7	16	9	123	.1	13	8	522	4.34	9	11	ND	1	11	1.5	2	2	118	.18	.075	6	22	.60	53	.31	2	2.16	.01	.04	1
L8400N 9925E	2	26	20	224	.1	22	17	992	5.76	13	8	ND	1	21	1.3	3	2	136	.78	.095	21	31	1.01	71	.26	2	3.52	.02	.05	1
L8400N 9950E	3	17	13	154	.1	17	15	838	6.15	6	7	ND	1	21	.9	2	2	141	.79	.135	11	29	1.16	68	.13	2	3.39	.02	.04	1
L8400N 9975E	2	29	12	198	.1	21	19	1043	5.99	11	7	ND	1	23	1.7	3	2	132	.58	.094	14	26	1.08	61	.32	2	3.40	.02	.04	1
L8400N 10000E	3	24	22	156	.1	18	19	1581	5.88	5	5	ND	1	19	2.3	2	2	112	.49	.132	17	25	.68	69	.23	2	3.72	.02	.04	1
L8400N 10025E	2	36	14	202	.1	24	29	2392	8.46	12	5	ND	1	42	1.8	2	6	162	.65	.150	21	33	1.11	109	.23	2	4.50	.01	.04	2
L8400N 10050E	2	28	17	246	.1	22	21	1532	6.95	11	5	ND	1	28	1.6	6	2	141	.71	.104	14	31	1.20	82	.27	2	3.53	.02	.04	1
L8400N 10075E	1	43	9	201	.2	19	36	2314	9.61	10	5	ND	1	94	1.2	8	2	190	1.93	.086	12	32	2.37	100	.46	2	3.98	.02	.03	1
L8400N 10100E	1	43	9	220	.1	20	34	1985	9.14	9	5	ND	1	72	2.7	6	2	190	1.90	.100	11	34	2.19	65	.48	2	3.85	.02	.03	1
L8400N 10125E	1	41	12	188	.1	23	35	2020	9.08	15	5	ND	1	67	1.4	9	2	187	1.68	.099	12	32	2.13	66	.50	2	3.79	.02	.03	1
L8400N 10150E	1	41	13	190	.1	20	32	1870	8.27	9	5	ND	1	55	1.4	7	2	164	1.36	.115	14	32	1.87	60	.41	2	3.36	.03	.04	1
L8400N 10175E	1	39	18	158	.1	19	32	1916	9.48	10	5	ND	1	94	1.5	9	2	142	1.91	.106	12	33	2.05	60	.46	2	4.24	.02	.03	1
L8400N 10200E	3	45	22	324	.1	26	32	1761	8.77	12	5	ND	1	77	2.9	4	2	139	1.56	.082	14	33	2.11	92	.36	2	3.63	.02	.04	1
L8400N 10250E	1	30	19	182	.1	17	18	913	5.83	2	8	ND	1	68	1.4	2	2	98	1.49	.065	20	22	1.64	75	.26	2	3.06	.01	.06	1
L8400N 10275E	4	59	19	342	.2	34	31	1461	8.12	16	8	ND	1	90	2.2	4	2	151	1.78	.088	14	34	1.68	92	.33	4	3.76	.02	.05	1
L8400N 10300E	1	52	11	218	.2	25	35	1653	9.33	10	5	ND	1	93	1.7	6	2	172	2.37	.100	9	34	1.85	58	.31	2	4.14	.02	.02	1
L8400N 10400E	1	30	20	180	.1	14	23	1264	8.60	5	6	ND	1	60	2.3	5	2	158	2.01	.130	15	26	2.28	60	.51	3	3.67	.03	.04	1
L8400N 10425E	1	34	14	203	.1	19	24	1255	7.92	7	6	ND	1	71	1.8	7	2	167	2.70	.102	16	29	2.02	60	.49	3	3.71	.03	.04	1
L8400N 10450E	1	25	10	158	.1	14	19	1092	7.14	5	8	ND	1	65	1.8	6	2	141	2.19	.090	17	23	1.89	56	.45	3	3.53	.02	.04	1
L8400N 10475E	1	30	14	200	.1	18	22	1267	8.57	9	5	ND	1	70	1.7	8	2	146	2.04	.135	16	23	2.32	66	.47	2	3.87	.02	.04	1
L8400N 10500E	1	30	2	177	.1	13	23	1250	7.95	3	6	ND	1	59	1.4	6	2	169	2.81	.103	16	28	2.01	57	.50	2	3.48	.03	.04	1
L8200N 9500E	1	21	13	171	.1	14	26	2112	6.92	9	5	ND	1	24	1.4	2	2	152	.44	.091	10	22	.73	82	.33	2	3.86	.02	.05	1
L8200N 9525E	1	41	21	197	.1	19	34	2260	8.67	16	5	ND	1	60	1.5	6	2	181	1.40	.068	11	28	1.43	79	.36	4	4.23	.03	.03	1
L8200N 9550E	1	42	5	214	.1	21	30	1883	8.47	10	5	ND	1	39	1.0	4	2	186	1.44	.073	11	33	1.41	71	.42	2	3.91	.03	.03	1
L8200N 9575E	2	17	9	118	.1	11	15	1407	5.57	2	7	ND	1	19	1.5	2	5	140	.54	.133	8	19	.34	56	.20	2	2.32	.02	.04	1
L8200N 9600E	1	35	13	184	.1	27	30	2051	7.40	11	5	ND	1	24	1.1	2	2	171	1.04	.118	14	28	1.10	68	.38	2	3.70	.03	.05	1
L8200N 9625E	2	22	14	196	.2	14	32	2938	5.75	2	5	ND	1	21	3.1	2	3	132	.67	.189	8	20	.41	63	.15	3	2.01	.02	.06	1
L8200N 9650E	2	26	13	216	.1	19	24	1910	6.90	11	5	ND	1	12	1.8	2	4	150	.44	.078	12	27	.85	68	.32	2	3.81	.02	.04	1
L8200N 9675E	1	32	12	261	.1	22	24	1472	7.16	16	5	ND	1	30	2.2	2	3	181	.78	.074	8	33	1.06	80	.36	2	3.49	.02	.03	1
L8200N 9700E	8	24	13	360	.5	22	12	671	5.05	4	8	ND	1	14	4.0	2	6	134	.35	.115	10	27	.73	145	.12	2	3.05	.01	.06	1
L8200N 9725E	4	35	16	367	.4	26	18	1023	5.80	9	6	ND	1	32	4.5	2	2	135	1.13	.105	16	27	1.04	99	.26	4	2.57	.02	.07	1
L8200N 9750E	3	35	17	301	.2	27	21	1324	6.24	13	5	ND	1	17	2.8	2	2	148	.58	.099	19	29	.93	105	.32	3	3.41	.02	.06	1
STANDARD C	19	62	42	133	7.1	72	31	1054	3.98	39	21	6	37	53	18.5	15	22	57	.51	.094	37	61	.89	180	.07	35	1.89	.06	.14	11

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	Tl %	B ppm	Al %	Na %	K %	W ppm
L8200N 9775E	4	35	5	314	.2	26	24	1178	6.35	12	5	ND	1	21	2.6	2	2	160	.79	.084	19	23	1.17	109	.37	3	4.08	.02	.05	1
L8200N 9800E	5	32	7	361	.2	25	18	807	6.15	11	5	ND	1	35	2.5	2	3	168	1.13	.083	19	24	1.16	136	.30	8	3.73	.02	.06	1
L8200N 9825E	5	26	10	284	.1	24	19	936	6.33	17	5	ND	1	24	1.5	2	2	147	.78	.106	18	33	1.05	100	.25	2	4.13	.02	.05	1
L8200N 9850E	6	18	13	190	.3	16	16	1633	5.17	4	5	ND	1	11	1.7	2	8	98	.23	.097	14	20	.51	54	.20	4	3.44	.02	.06	1
L8200N 9875E	6	18	7	116	.2	9	10	485	6.68	8	5	ND	1	11	1.5	2	3	96	.20	.107	22	21	.28	41	.31	3	4.90	.02	.04	1
L8200N 9900E	4	28	8	251	.1	20	22	1522	6.47	11	5	ND	1	25	2.6	2	2	151	.71	.112	16	24	1.31	80	.35	6	3.94	.02	.05	1
L8200N 9925E	4	40	9	255	.3	24	25	1464	6.75	13	5	ND	1	32	2.5	2	2	151	.86	.106	16	22	1.55	92	.38	2	3.90	.02	.06	1
L8200N 9950E	6	26	5	185	.5	15	13	819	5.40	12	5	ND	1	12	1.9	3	6	127	.29	.120	14	21	.73	83	.18	2	3.62	.02	.05	1
L8200N 9975E	3	35	2	202	.2	14	22	1311	6.05	8	7	ND	1	33	1.5	2	3	128	.84	.081	13	18	1.35	86	.26	4	3.21	.02	.06	1
L8200N 10000E	6	34	5	359	.4	23	18	779	6.91	11	5	ND	1	18	2.2	2	2	168	.42	.093	15	32	1.06	183	.17	8	5.19	.02	.07	1
L8200N 10025E	4	38	2	280	.2	25	20	1057	5.53	16	5	ND	1	34	3.0	2	2	148	1.04	.063	12	19	1.03	131	.36	4	2.57	.02	.05	1
L8200N 10050E	5	41	10	286	.3	30	26	1383	6.89	14	5	ND	1	39	2.7	2	2	148	.96	.101	15	24	1.60	106	.33	3	4.03	.02	.08	1
L8200N 10075E	5	48	6	283	.2	40	26	1240	6.96	12	5	ND	1	61	2.7	2	2	131	1.30	.075	18	27	1.86	108	.32	3	3.96	.03	.08	1
L8200N 10100E	2	33	8	175	.1	14	21	1172	5.95	4	5	ND	1	67	1.8	2	2	98	1.50	.056	22	13	1.95	67	.34	5	3.62	.02	.08	1
L8200N 10125E	2	36	2	152	.1	15	23	1166	6.47	5	5	ND	1	66	1.9	2	2	111	1.42	.053	18	12	2.33	70	.39	5	3.45	.02	.07	1
L8200N 10150E	2	39	2	160	.1	16	26	1350	6.82	5	5	ND	1	75	1.3	2	3	113	1.51	.053	18	13	2.42	81	.37	6	3.77	.02	.08	1
L8200N 10175E	2	45	3	162	.1	16	27	1436	7.59	2	5	ND	1	59	1.7	2	2	121	1.47	.060	17	15	2.73	76	.35	4	3.92	.02	.07	1
L8200N 10200E	2	61	9	197	.1	19	32	2016	7.63	12	5	ND	1	96	2.3	2	2	117	1.64	.077	17	18	2.27	131	.35	7	3.91	.02	.06	1
L8200N 10225E	2	33	5	224	.1	11	24	1667	8.30	7	5	ND	2	103	2.2	2	2	85	1.89	.086	18	12	2.46	115	.42	10	4.70	.04	.08	1
L8200N 10250E	3	27	9	201	.2	13	19	1534	5.77	2	5	ND	1	126	1.6	2	2	52	1.67	.074	14	12	1.44	125	.15	6	3.68	.03	.07	1
L8000N 9500E	3	58	12	333	.1	26	40	1726	8.04	29	5	ND	1	66	3.1	2	2	209	1.65	.059	10	18	1.67	87	.41	2	4.63	.03	.04	1
L8000N 9525E	4	75	12	377	.2	32	49	2077	8.75	35	5	ND	1	75	3.6	2	2	219	1.53	.067	10	20	1.83	89	.40	8	4.98	.03	.05	1
L8000N 9550E	5	35	8	196	.1	18	23	1287	7.25	12	5	ND	1	29	1.5	2	2	175	.47	.088	14	19	.99	71	.34	4	4.65	.03	.04	1
L8000N 9575E	5	54	8	297	.2	26	37	1974	7.96	15	5	ND	2	42	2.6	2	2	194	.80	.099	13	20	1.35	75	.37	2	5.05	.03	.06	1
L8000N 9600E	4	57	12	303	.2	28	38	2014	7.71	16	5	ND	1	49	2.0	3	2	196	1.07	.098	12	18	1.41	83	.39	4	4.64	.03	.06	1
L8000N 9625E	7	46	11	375	.3	31	27	1436	6.51	21	6	ND	1	42	4.0	2	2	146	1.16	.099	15	19	1.39	110	.33	4	3.34	.02	.07	1
L8000N 9650E	9	47	15	408	.3	35	24	1256	6.02	18	5	ND	1	38	4.5	2	2	139	1.07	.093	15	18	1.23	110	.31	6	2.85	.03	.06	2
L8000N 9675E	16	52	22	650	.5	52	24	1356	6.99	26	6	ND	1	35	5.4	4	2	141	.74	.130	15	17	.99	152	.22	6	2.72	.02	.08	1
L8000N 9700E	10	46	13	476	.2	39	26	1452	6.94	23	5	ND	1	25	3.7	2	2	157	.73	.122	16	19	1.14	132	.30	6	3.24	.02	.07	1
L8000N 9725E	6	50	14	420	.3	35	27	1613	7.05	23	7	ND	2	27	3.7	2	4	162	1.03	.125	18	19	1.25	151	.34	5	3.41	.02	.08	1
L8000N 9750E	8	42	9	426	.3	32	23	1198	5.96	24	5	ND	1	34	4.9	2	2	141	.98	.118	16	17	.97	150	.27	5	2.60	.02	.08	1
L8000N 9775E	8	39	15	384	.3	26	22	1181	5.77	19	5	ND	1	37	4.5	2	2	140	1.01	.113	15	18	.97	143	.30	6	2.60	.02	.07	1
L8000N 9800E	9	46	10	400	.3	33	24	1356	5.61	23	5	ND	1	40	5.3	2	2	135	1.10	.118	15	16	.94	140	.32	5	2.28	.02	.07	1
L8000N 9825E	6	38	4	337	.2	25	20	1090	5.37	17	5	ND	1	36	4.5	2	2	142	1.20	.101	14	18	1.02	120	.36	5	2.52	.02	.06	1
L8000N 9850E	7	42	10	398	.3	30	21	1058	5.73	19	5	ND	1	42	4.4	2	2	142	1.28	.105	15	19	1.03	132	.32	4	2.61	.02	.07	1
L8000N 9875E	9	42	11	404	.3	35	20	962	5.96	24	5	ND	1	35	2.9	2	2	152	1.24	.098	15	20	1.05	125	.30	4	2.73	.02	.06	1
STANDARD C	19	58	41	132	7.0	71	32	1050	3.96	42	24	6	39	53	18.3	14	21	56	.51	.098	38	56	.89	182	.07	33	1.90	.06	.14	11

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 %	M ppm
L8000 9900E	5	44	10	306	.1	28	21	1169	5.58	12	5	ND	1	40	3.3	2	2	150	1.33	.094	10	19	.98	115	.49	7	2.48	.03	.08	1
L8000 9925E	12	59	20	462	.2	43	26	1391	7.22	30	5	ND	1	67	3.4	3	2	180	1.13	.105	14	29	1.02	170	.31	6	3.04	.02	.10	1
L8000 9950E	15	54	20	449	.2	41	20	1220	7.62	25	5	ND	1	31	2.9	2	5	179	.77	.108	15	22	1.02	138	.25	3	3.44	.02	.09	1
L8000 9975E	16	40	12	442	.1	31	18	1106	6.17	29	5	ND	1	42	2.5	3	2	146	1.11	.123	17	21	.86	154	.17	5	2.82	.02	.10	1
L8000 10000E	21	65	16	489	.3	49	35	1880	10.40	22	5	ND	1	29	4.1	3	2	198	.45	.138	12	17	1.06	102	.28	2	3.03	.02	.07	1
L8000 10025E	15	66	14	455	.2	44	39	2195	10.63	22	5	ND	2	30	3.5	4	2	209	.53	.124	11	20	1.12	104	.34	2	3.26	.02	.07	1
L8000 10050E	6	75	18	211	.3	15	25	1595	22.76	8	5	ND	4	15	2.3	5	2	323	.13	.139	2	21	.78	80	.63	3	1.90	.02	.04	1
L8000 10075E	13	63	6	431	.1	31	31	1946	16.80	13	5	ND	2	30	2.4	9	2	207	.31	.098	5	25	.97	82	.26	6	2.73	.02	.06	1
L8000 10100E	18	63	13	1031	.7	61	29	2029	8.68	23	5	ND	1	47	7.9	7	2	178	.72	.117	11	20	1.03	164	.23	3	3.28	.04	.14	1
L8000 10125E	21	73	21	692	.9	60	17	1242	6.79	35	5	ND	1	49	9.0	4	2	143	.52	.106	12	19	.81	193	.15	8	2.92	.06	.11	1
L8000 10150E	7	43	17	385	.4	29	20	1270	5.99	18	5	ND	1	34	4.1	2	2	148	.73	.086	12	21	.90	168	.26	6	3.36	.03	.09	1
L8000 10175E	27	84	25	1322	.4	83	19	1081	6.89	28	5	ND	1	61	9.8	6	2	146	.74	.105	16	19	.96	196	.17	3	3.49	.04	.13	1
L8000 10200E	20	73	26	646	.4	72	24	1428	7.02	28	5	ND	1	68	5.1	4	3	162	1.13	.091	11	23	1.18	163	.33	4	3.29	.05	.12	1
L8000 10225E	25	60	32	750	.7	70	16	1424	6.84	44	5	ND	1	48	6.5	9	2	135	.63	.142	16	13	.86	174	.08	4	2.77	.04	.12	1
L8000 10250E	32	212	51	1190	.9	186	19	1001	8.25	169	5	ND	1	36	10.4	19	2	140	.63	.115	19	16	.76	161	.17	2	2.41	.02	.13	1
L8000 10275E	25	70	36	845	.4	85	26	2070	7.84	54	5	ND	1	44	6.2	11	2	145	.65	.145	17	13	.91	195	.15	4	2.66	.03	.11	1
L8000 10300E	33	89	36	973	.6	114	21	1697	6.56	39	5	ND	1	56	8.3	9	3	124	.61	.096	15	10	.99	158	.10	4	2.60	.05	.14	1
L8000 10325E	42	127	40	1364	.7	154	24	1867	7.26	50	5	ND	1	63	18.2	10	2	133	.78	.101	15	10	.99	173	.10	2	2.66	.06	.14	1
L8000 10350E	5	54	16	251	.1	31	26	1941	7.39	8	5	ND	2	47	1.3	2	2	130	.95	.089	15	19	1.47	108	.38	3	4.10	.03	.09	1
L8000 10375E	3	47	17	202	.1	26	21	1448	6.81	8	5	ND	1	53	1.6	2	3	109	.83	.073	17	25	1.46	100	.43	6	4.03	.03	.11	1
L8000 10400E	4	31	11	208	.1	20	15	1057	5.60	8	5	ND	2	64	1.1	2	2	76	.85	.078	19	18	1.20	100	.36	3	3.81	.03	.10	1
L8000 10425E	3	39	13	237	.1	19	23	1965	7.34	2	5	ND	1	213	1.5	3	2	96	1.45	.097	21	19	1.56	189	.34	4	5.63	.03	.09	1
L8000 10450E	2	32	14	138	.1	20	24	1896	6.08	8	5	ND	1	559	1.4	2	2	114	.98	.068	12	20	1.15	366	.33	3	4.74	.06	.09	1
L8000 10475E	2	78	14	192	.1	25	28	3012	6.67	11	5	ND	1	71	1.2	2	2	142	1.46	.105	15	18	1.37	128	.37	2	4.59	.02	.08	1
L8000 10500E	1	62	12	172	.1	19	30	3018	8.04	7	5	ND	1	71	1.1	2	2	140	1.16	.073	21	15	1.49	107	.32	5	4.31	.02	.07	1
L7800 9500E	1	45	15	211	.1	18	30	1826	7.53	22	5	ND	1	66	2.0	2	2	229	1.30	.070	12	15	1.19	101	.51	5	4.08	.03	.06	1
L7800 9525E	1	47	12	216	.1	18	30	1759	7.16	17	5	ND	1	68	.9	3	2	214	1.48	.067	9	13	1.21	103	.49	2	4.10	.02	.07	1
L7800 9550E	1	77	13	394	.1	33	44	2095	8.81	27	5	ND	1	61	2.5	2	2	290	1.54	.063	10	31	1.41	110	.53	3	5.28	.02	.06	1
L7800 9575E	1	59	6	220	.1	21	38	1900	7.90	21	5	ND	1	66	1.8	2	2	243	1.57	.061	7	20	1.28	101	.57	3	4.06	.03	.05	1
L7800 9600E	1	42	7	200	.1	16	28	1691	7.17	18	5	ND	1	54	1.5	2	2	225	1.18	.069	8	16	1.15	93	.48	5	3.90	.03	.08	1
L7800 9625E	1	46	11	195	.1	17	32	1814	7.29	21	5	ND	1	68	1.5	2	3	219	1.54	.065	7	14	1.20	125	.53	4	3.84	.03	.07	1
L7800 9650E	5	47	14	354	.4	31	23	1253	6.49	22	5	ND	1	32	3.6	3	2	169	1.28	.078	7	23	1.18	85	.48	3	2.97	.02	.06	1
L7800 9675E	10	40	20	345	.2	28	19	1273	5.79	17	5	ND	1	20	1.6	2	2	140	.45	.114	14	20	.91	86	.27	2	3.71	.02	.08	1
L7800 9700E	10	35	19	275	.4	20	15	1556	5.83	19	5	ND	1	18	1.5	2	2	135	.32	.121	9	17	.66	108	.18	3	2.79	.02	.07	1
L7800 9725E	13	50	15	408	.5	36	15	1234	5.52	24	5	ND	1	41	3.2	4	3	125	.83	.116	13	20	.86	133	.12	6	3.10	.02	.09	1
L7800 9750E	16	56	18	619	.5	53	20	1349	6.43	34	5	ND	1	40	4.6	6	2	138	.94	.100	13	15	.98	160	.24	3	2.70	.02	.08	1
STANDARD C	19	60	45	131	7.0	72	31	1045	3.95	43	18	6	38	53	18.6	15	21	55	.52	.091	37	56	.91	181	.09	35	1.88	.06	.13	11

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
L7800N 9775E	7	42	14	346	.2	28	21	1161	5.89	15	5	ND	1	20	2.8	2	2	150	.73	.104	15	21	1.01	130	.30	3	3.27	.01	.06	2
L7800N 9800E	9	43	5	396	.4	29	21	1193	5.64	17	5	ND	1	39	2.2	2	2	143	1.21	.109	14	20	.99	195	.23	4	2.62	.02	.08	1
L7800N 9825E	6	41	17	348	.4	28	19	884	5.40	13	5	ND	1	45	3.6	2	2	146	1.56	.095	13	20	1.12	140	.36	4	2.61	.02	.07	1
L7800N 9850E	19	57	17	690	.7	54	25	1489	6.94	40	5	ND	1	48	6.5	6	2	130	.97	.143	17	14	.84	189	.18	3	2.02	.02	.10	1
L7800N 9875E	14	49	20	492	.4	43	26	1412	7.78	26	5	ND	1	30	4.5	6	2	160	.87	.119	15	13	1.12	136	.26	2	2.40	.02	.06	1
L7800N 9900E	14	50	16	497	.2	46	28	1543	8.14	30	5	ND	1	30	4.4	7	2	163	.81	.120	15	13	1.09	130	.25	2	2.55	.02	.07	2
L7800N 9925E	14	54	17	518	.3	53	32	1890	8.66	30	5	ND	1	34	4.1	5	2	172	.91	.124	17	13	1.18	139	.25	5	2.78	.02	.07	1
L7800N 9950E	27	70	25	1033	.9	81	30	2006	7.51	69	5	ND	1	61	14.5	9	3	128	.96	.177	19	18	.83	851	.17	5	1.94	.03	.13	1
L7800N 9975E	28	66	14	985	.8	77	28	1838	7.02	69	5	ND	1	53	13.8	9	3	125	.88	.158	18	19	.71	273	.18	2	1.79	.03	.13	1
L7800N 10000E	17	61	21	710	.5	54	39	2183	9.37	35	5	ND	1	49	9.2	6	2	163	.82	.150	18	15	1.24	149	.24	2	2.88	.03	.10	2
L7800N 10025E	13	55	6	530	.3	42	42	2325	9.44	28	5	ND	1	42	4.7	5	2	180	.99	.128	18	18	1.52	139	.30	3	3.14	.02	.08	1
L7800N 10050E	9	48	15	365	.2	36	38	2147	8.55	23	5	ND	1	34	3.1	6	2	185	1.07	.096	16	19	1.52	135	.36	2	3.20	.02	.06	1
L7800N 10075E	14	42	23	383	.3	39	20	1404	7.03	18	5	ND	1	29	1.6	6	2	155	.55	.143	16	15	.84	172	.09	2	3.19	.02	.05	1
L7800N 10100E	5	57	8	280	.1	31	64	2953	12.59	27	5	ND	1	49	2.9	5	2	239	.98	.143	16	16	1.81	110	.38	2	4.01	.01	.05	1
L7800N 10125E	25	62	36	591	.5	68	26	1784	7.77	37	5	ND	1	33	3.2	11	2	134	.78	.118	16	12	.81	182	.10	6	2.32	.02	.11	1
L7800N 10150E	24	62	30	591	.5	64	21	1445	7.33	35	5	ND	1	33	2.9	10	2	133	.82	.109	16	12	.86	164	.11	3	2.33	.02	.09	1
L7800N 10175E	20	59	32	537	.5	59	24	1642	7.36	31	5	ND	1	35	2.2	7	2	136	1.07	.107	19	11	.91	166	.13	2	2.54	.02	.08	1
L7800N 10200E	29	70	38	586	.5	73	19	1473	5.85	35	5	ND	1	38	1.9	9	2	107	.95	.115	18	10	.67	179	.04	4	2.08	.02	.09	1
L7800N 10225E	35	86	42	788	.7	97	23	1626	6.57	43	5	ND	1	42	5.0	14	2	110	.77	.120	16	9	.77	175	.06	5	1.90	.03	.12	1
L7800N 10250E	44	80	49	933	.7	129	19	2008	5.79	47	5	ND	1	35	7.9	10	2	60	.61	.140	20	4	.22	152	.01	3	1.08	.02	.12	1
L7800N 10275E	24	95	33	863	.5	90	30	1879	8.13	40	5	ND	1	84	7.0	9	2	151	1.11	.086	14	15	1.18	210	.18	6	2.80	.03	.09	1
L7800N 10300E	5	39	17	267	.1	23	27	1669	6.48	13	5	ND	2	65	1.3	4	2	93	.94	.092	24	15	1.86	169	.26	7	3.98	.02	.07	1
L7800N 10325E	3	38	20	180	.1	18	21	1472	5.81	4	5	ND	1	199	1.2	3	2	82	1.73	.079	16	18	1.89	167	.23	3	5.06	.02	.05	1
L7800N 10350E	2	37	12	153	.1	18	24	1547	5.89	5	6	ND	1	333	.7	3	2	85	1.77	.072	18	21	2.04	210	.22	2	5.03	.02	.06	1
L7800N 10375E	1	21	10	144	.1	10	17	1476	4.83	2	5	ND	1	182	.8	3	2	51	2.92	.061	16	12	1.63	132	.19	2	6.33	.01	.05	1
L7800N 10400E	2	17	25	190	.1	14	11	1073	3.91	5	5	ND	1	102	1.0	3	2	38	1.67	.031	20	7	1.30	117	.12	2	3.69	.01	.05	1
L7800N 10425E	2	19	27	227	.1	13	16	1157	4.30	8	5	ND	1	130	.7	4	3	53	2.23	.043	23	7	1.09	119	.11	2	4.56	.01	.05	1
L7800N 10450E	3	31	22	201	.1	17	24	2181	5.24	9	5	ND	1	87	.5	3	3	77	1.66	.053	26	10	1.52	146	.13	2	3.98	.01	.05	1
L7800N 10475E	2	19	25	226	.2	15	17	1336	4.55	8	5	ND	1	122	1.2	3	2	58	2.18	.042	27	7	1.29	131	.09	2	4.45	.01	.05	1
L7800N 10500E	13	36	39	548	.1	33	16	2224	5.67	43	5	ND	1	75	3.5	9	3	71	1.12	.055	65	8	.99	258	.12	4	3.07	.01	.07	1
L7600N 9500E	3	26	17	185	.1	18	19	1130	5.55	13	5	ND	1	22	.7	4	2	124	.51	.073	15	13	.76	63	.32	3	4.25	.03	.04	1
L7600N 9525E	5	26	3	154	.2	15	19	1685	6.59	7	5	ND	1	25	.3	4	2	141	.38	.091	15	18	.63	72	.35	3	4.16	.03	.06	1
L7600N 9550E	4	32	14	208	.2	21	22	1439	6.52	11	5	ND	1	28	.4	3	2	145	.46	.093	18	19	.85	76	.32	3	4.41	.03	.06	1
L7600N 9575E	4	35	13	220	.1	22	26	1818	6.89	11	5	ND	1	27	.4	5	2	156	.55	.105	16	22	.96	72	.35	2	4.16	.03	.06	1
L7600N 9600E	3	34	16	205	.1	19	31	1763	7.25	12	5	ND	2	48	1.1	2	2	178	1.06	.085	15	16	1.29	95	.43	2	4.39	.04	.07	1
L7600N 9625E	3	41	7	246	.1	20	32	1739	7.61	14	5	ND	2	61	1.6	3	2	182	1.28	.093	16	19	1.49	111	.41	3	4.29	.04	.06	1
STANDARD C	19	60	43	130	7.1	73	32	1052	3.96	38	21	6	37	53	18.4	14	18	56	.52	.096	38	57	.89	186	.07	34	1.89	.06	.14	11

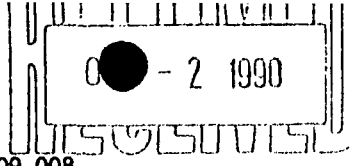
SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
L7600N 9650E	5	40	9	326	.2	28	28	1649	7.58	19	5	ND	1	59	2.7	6	6	153	1.53	.096	14	34	1.42	124	.38	2	3.31	.02	.05	4
L7600N 9675E	5	43	11	294	.1	29	31	1880	8.27	15	5	ND	1	65	2.4	2	2	156	1.58	.093	15	35	1.59	121	.37	2	3.58	.02	.05	4
L7600N 9700E	4	35	17	268	.1	27	21	1353	6.79	13	5	ND	1	32	2.1	5	2	148	1.04	.096	16	32	1.13	105	.33	4	3.65	.02	.05	5
L7600N 9725E	4	38	14	280	.2	28	26	1540	7.53	15	8	ND	1	68	3.1	5	2	153	1.90	.092	15	34	1.54	114	.43	3	3.47	.02	.06	4
L7600N 9750E	5	40	6	311	.1	27	30	1744	8.70	17	5	ND	1	74	2.6	5	2	156	1.82	.083	15	37	1.70	135	.39	5	3.70	.02	.05	5
L7600N 9775E	3	39	8	348	.1	32	28	1832	8.23	19	5	ND	1	82	3.2	8	2	148	1.97	.085	16	33	1.72	132	.39	2	3.99	.02	.05	1
L7600N 9800E	4	43	13	293	.2	30	28	1639	8.23	19	5	ND	1	82	2.2	7	2	149	1.92	.086	16	36	1.62	111	.37	3	4.04	.02	.06	3
L7600N 9825E	4	41	7	311	.1	27	31	1995	8.82	17	5	ND	1	99	2.1	5	2	148	1.92	.079	16	36	1.75	157	.36	4	4.09	.02	.05	1
L7600N 9850E	3	44	15	304	.1	27	33	2183	9.45	17	5	ND	1	112	1.4	6	2	151	1.97	.076	16	37	1.79	163	.32	2	4.45	.02	.05	2
L7600N 9875E	3	41	7	276	.1	27	32	2035	9.20	11	5	ND	1	106	2.1	4	2	150	1.88	.076	16	36	1.78	167	.35	3	4.13	.02	.05	4
L7600N 9900E	16	71	30	750	.5	65	32	1909	11.80	122	5	ND	1	22	4.6	8	2	220	.82	.182	16	37	1.17	364	.40	3	3.05	.01	.05	3
L7600N 9925E	40	81	31	856	1.0	81	18	999	7.47	53	10	ND	1	67	7.2	9	2	115	.69	.170	20	27	.67	261	.14	2	2.09	.05	.14	3
L7600N 9950E	14	59	16	686	.7	47	25	1274	8.16	36	5	ND	1	32	4.7	9	2	132	.77	.135	15	34	.99	125	.17	4	2.68	.02	.09	3
L7600N 9975E	3	43	2	243	.1	26	43	2087	9.99	24	5	ND	1	32	1.6	8	2	163	1.19	.079	8	47	1.12	86	.21	16	2.55	.01	.07	1
L7600N 10000E	23	78	27	904	.4	107	32	1840	8.31	62	5	ND	1	27	6.6	9	6	133	1.01	.109	13	31	.60	109	.07	16	1.54	.01	.10	2
L7600N 10025E	1	40	8	179	.1	25	42	2610	10.00	19	5	ND	1	39	.5	10	5	161	1.41	.077	8	47	1.00	130	.18	23	2.46	.01	.07	4
L7400N 9500E	2	50	7	247	.1	30	32	2009	8.83	17	5	ND	1	37	1.2	6	2	205	1.48	.104	12	48	1.59	79	.49	2	4.23	.02	.06	1
L7400N 9525E	3	57	13	255	.1	31	34	2143	9.16	12	5	ND	1	33	.2	4	2	201	1.25	.120	13	41	1.54	90	.42	2	4.37	.02	.07	5
L7400N 9575E	6	55	8	404	.2	37	38	2116	10.17	31	5	ND	1	42	2.4	8	2	186	1.24	.121	16	35	1.48	124	.36	3	4.10	.02	.05	1
L7400N 9600E	5	50	8	293	.1	31	43	2505	8.41	20	5	ND	1	47	1.5	4	2	156	1.30	.131	17	35	1.19	107	.25	4	3.31	.02	.06	1
L7400N 9625E	4	40	10	223	.1	19	32	2363	6.96	8	5	ND	1	35	1.7	5	2	136	.96	.150	14	28	.84	79	.15	2	2.92	.02	.05	1
L7400N 9650E	3	49	20	236	.1	22	53	3203	7.75	16	5	ND	1	42	2.4	4	2	147	1.13	.143	15	30	1.04	90	.21	2	3.13	.01	.05	3
L7400N 9675E	4	42	14	217	.1	20	41	2341	7.17	7	5	ND	1	49	1.4	4	4	139	1.39	.136	15	31	1.13	83	.22	7	3.13	.02	.06	3
L7400N 9700E	4	48	10	221	.1	19	49	2752	7.17	7	5	ND	1	47	2.2	2	4	139	1.60	.137	18	30	1.09	80	.20	2	3.05	.01	.05	7
L7400N 9725E	4	50	18	227	.1	22	53	2741	7.87	16	5	ND	1	57	1.0	3	2	144	1.63	.119	16	33	1.31	90	.26	4	3.24	.02	.05	4
L7400N 9750E	5	42	14	204	.1	18	34	1929	6.83	2	5	ND	1	45	.6	2	3	132	1.20	.096	14	27	1.08	79	.21	2	2.93	.01	.03	9
L7400N 9775E	2	35	2	189	.1	19	29	1435	6.29	19	7	ND	1	40	1.8	8	2	124	1.13	.068	10	25	1.17	69	.25	2	2.59	.01	.03	1
L7400N 9800E	4	50	13	257	.1	23	38	1815	10.20	10	5	ND	1	57	.2	8	2	181	1.70	.093	12	39	1.85	86	.41	4	4.04	.02	.04	6
L7400N 9825E	8	49	27	247	.5	26	36	1795	9.43	2	5	ND	2	58	1.5	2	8	156	1.32	.087	14	37	1.60	103	.35	2	3.63	.02	.04	18
L7400N 9850E	4	53	12	273	.2	25	39	1801	10.88	12	5	ND	1	63	.3	9	2	184	1.72	.083	12	39	1.91	93	.43	5	4.19	.02	.03	6
L7400N 9875E	5	52	12	232	.1	26	40	1881	10.54	6	5	ND	1	74	.4	5	2	174	1.72	.075	11	39	1.90	89	.39	4	4.11	.02	.03	15
L7400N 9900E	6	49	8	253	.1	24	40	2013	10.04	12	5	ND	1	69	1.0	7	3	170	1.63	.078	12	32	1.79	94	.37	2	4.06	.02	.04	12
L7400N 9925E	6	52	22	259	.1	28	40	2362	10.69	3	5	ND	1	67	.2	2	6	176	1.77	.071	10	37	1.74	86	.36	2	4.25	.02	.04	13
L7400N 9950E	5	58	16	317	.2	29	42	2512	11.03	9	5	ND	1	79	1.6	8	2	178	1.91	.081	15	38	1.83	102	.36	7	4.68	.02	.04	5
L7400N 9975E	4	54	22	307	.1	30	41	2276	11.00	13	5	ND	1	78	.9	9	2	171	2.04	.079	17	37	1.84	104	.36	4	4.82	.02	.04	1
L7400N 10000E	5	60	14	348	.2	35	43	2624	10.88	15	5	ND	1	77	2.3	9	2	186	2.09	.100	13	38	1.74	90	.35	4	4.64	.02	.05	2
STANDARD C	19	59	44	132	7.3	72	32	1053	3.96	40	22	6	36	52	19.0	14	21	57	.51	.094	37	61	.86	179	.07	35	1.89	.05	.14	12

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
L7400N 10025E	4	63	2	172	.1	28	56	3468	9.60	15	6	ND	1	89	3.4	2	2	206	1.93	.083	13	20	2.07	87	.37	4	5.01	.02	.03	1
L7400N 10050E	3	67	2	216	.1	30	57	2881	9.84	23	5	ND	1	100	3.1	3	2	229	2.11	.090	14	24	2.60	116	.39	3	5.46	.02	.04	1
L7400N 10075E	3	67	2	184	.1	25	68	2530	10.98	19	5	ND	1	91	3.3	3	2	229	2.33	.087	11	15	2.42	89	.38	2	5.53	.02	.04	1
L7400N 10100E	2	29	2	162	.1	18	27	1909	6.98	10	5	ND	1	158	1.5	2	2	101	.94	.078	29	14	1.69	317	.26	3	4.07	.02	.07	1
L7400N 10125E	1	21	12	156	.1	13	17	1652	5.59	10	5	ND	1	245	1.0	2	3	70	.78	.064	44	13	1.40	504	.19	3	4.07	.02	.07	1
L7200N 9500E	6	46	7	258	.2	29	29	1606	7.53	28	5	ND	1	60	2.1	6	2	172	1.06	.125	18	19	1.36	173	.24	3	3.64	.02	.05	1
L7200N 9525E	6	50	2	275	.1	32	29	1634	6.89	18	5	ND	1	41	3.0	2	2	172	1.10	.110	15	23	1.36	128	.38	7	3.67	.02	.07	1
L7200N 9550E	6	43	2	241	.1	26	27	1492	7.20	22	5	ND	1	61	2.4	4	2	157	1.54	.119	16	18	1.37	127	.31	3	3.18	.02	.06	1
L7200N 9575E	7	41	4	202	.1	25	34	1801	7.42	26	5	ND	1	56	2.1	3	2	155	1.57	.133	16	15	1.29	124	.32	6	2.83	.02	.08	1
L7200N 9600E	7	45	2	249	.1	29	34	1774	8.01	28	5	ND	1	81	3.1	3	2	165	1.86	.303	19	15	1.37	174	.31	3	3.03	.02	.07	2
L7200N 9625E	6	46	2	215	.1	28	37	1807	7.58	22	5	ND	1	86	2.6	4	2	164	1.64	.112	14	18	1.48	151	.36	6	3.06	.02	.05	1
L7200N 9650E	6	42	2	217	.1	25	35	1683	7.48	27	5	ND	1	71	3.5	4	2	163	1.55	.123	15	15	1.43	164	.36	3	2.90	.02	.05	1
L7200N 9675E	6	48	2	212	.1	27	42	1907	8.20	25	5	ND	1	83	3.7	4	2	182	1.48	.119	15	18	1.56	152	.39	2	3.24	.02	.06	2
L7200N 9700E	6	43	4	258	.1	30	39	2035	7.88	30	6	ND	1	87	3.2	5	2	164	1.41	.130	19	14	1.65	251	.28	6	3.17	.02	.07	1
L7200N 9725E	9	46	2	210	.1	30	35	1868	9.12	37	7	ND	1	46	3.2	4	2	166	1.51	.137	16	17	1.36	133	.37	6	3.16	.02	.06	2
L7200N 9750E	9	48	2	200	.1	32	44	2590	9.98	43	5	ND	1	30	2.5	7	2	165	.91	.175	19	14	1.16	176	.29	3	2.94	.02	.06	1
L7200N 9775E	34	36	2	184	.1	17	19	586	17.79	41	5	ND	3	38	2.2	3	2	229	.47	.307	8	15	.79	165	.33	2	2.75	.03	.10	2
L7200N 9800E	8	52	4	359	.3	31	28	1685	6.53	21	5	ND	1	90	4.5	4	2	133	1.71	.099	15	23	1.46	131	.27	6	3.79	.02	.06	1
L7200N 9825E	16	69	11	910	.3	67	31	1741	7.04	32	5	ND	1	54	9.6	5	2	150	1.28	.119	20	14	1.33	166	.20	6	3.37	.02	.11	1
L7200N 9850E	33	177	67	1701	1.0	103	37	1506	8.84	55	5	ND	1	38	15.9	11	2	300	3.01	.095	16	25	2.03	481	.38	2	5.03	.01	.02	1
L7200N 9875E	10	68	10	560	.3	51	34	2108	7.15	20	5	ND	1	107	5.9	5	2	181	1.74	.069	14	21	1.72	110	.32	6	4.59	.02	.04	1
L7200N 9900E	10	82	22	672	.3	51	33	2153	6.97	24	5	ND	1	117	5.6	4	2	192	1.90	.075	15	22	1.61	113	.29	2	4.59	.02	.04	1
L7200N 9925E	7	77	24	738	.9	55	43	2786	8.84	35	5	ND	1	226	9.8	7	2	214	2.20	.087	11	23	2.28	145	.31	2	5.83	.03	.06	1
L7000N 9500E	5	40	6	321	.1	25	23	1302	5.68	20	5	ND	1	39	3.3	2	2	155	1.53	.115	14	20	1.00	136	.38	11	2.56	.02	.09	1
L7000N 9525E	6	44	3	247	.1	30	25	1269	6.17	16	5	ND	1	49	2.5	2	2	144	1.30	.090	14	22	1.35	118	.32	5	3.53	.02	.06	1
L7000N 9550E	15	50	11	482	.3	41	29	1974	6.92	37	5	ND	1	56	4.8	6	2	130	1.03	.142	18	20	.99	160	.13	8	2.72	.02	.11	1
L7000N 9575E	15	51	7	502	.6	33	27	2207	6.18	26	5	ND	1	45	3.5	2	6	117	.81	.145	17	18	.89	165	.08	7	2.82	.01	.13	1
L7000N 9600E	14	54	5	446	.5	40	30	2029	7.09	34	5	ND	1	53	4.1	6	2	137	.81	.149	17	19	.92	155	.11	7	3.07	.02	.09	1
L7000N 9625E	21	68	2	637	.3	55	25	1534	7.60	42	5	ND	1	64	4.7	6	2	143	.82	.156	19	17	1.00	202	.14	5	3.13	.02	.10	1
L7000N 9650E	21	70	7	655	.3	58	25	1522	7.93	50	5	ND	1	76	5.1	9	2	152	.91	.157	19	20	1.12	218	.13	2	3.36	.03	.10	1
L7000N 9675E	24	72	7	707	.4	65	26	1804	7.86	47	5	ND	1	92	6.5	5	5	136	.94	.166	22	14	1.01	253	.16	6	3.27	.03	.12	1
L7000N 9700E	23	69	17	697	.4	66	26	1710	7.45	45	6	ND	1	88	6.6	7	2	131	.96	.154	20	17	1.07	236	.18	6	3.32	.03	.11	1
L7000N 9725E	26	75	8	779	.4	71	23	1451	6.74	43	5	ND	1	79	7.9	10	2	123	.95	.127	20	16	1.07	235	.18	8	3.18	.03	.11	1
L7000N 9750E	24	71	12	690	.6	52	25	1639	6.58	47	5	ND	1	65	5.9	5	2	116	.62	.139	17	14	.99	228	.13	7	3.11	.02	.12	1
L7000N 9775E	12	57	2	446	.2	40	29	2049	7.17	21	7	ND	1	128	4.2	4	2	148	1.01	.129	18	19	1.38	219	.27	7	4.76	.03	.09	1
L7000N 9800E	7	46	4	266	.1	31	28	1987	6.71	12	7	ND	1	123	2.5	2	2	153	1.07	.100	16	22	1.36	178	.29	4	5.07	.02	.06	1
STANDARD C	19	58	36	130	6.9	72	32	1051	3.93	42	22	6	38	53	19.0	16	21	56	.52	.096	38	57	.89	181	.07	36	1.88	.06	.14	11

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 %	M ppm
L7000N 9825E	5	61	21	307	.3	36	32	3052	8.33	3	5	ND	1	203	1.7	7	2	159	1.41	.139	14	34	1.50	241	.32	2	5.22	.02	.06	3
L7000N 9850E	3	27	15	170	.1	20	26	1935	7.62	10	5	ND	1	801	1.7	5	2	149	2.17	.269	13	15	1.43	276	.45	2	4.02	.02	.05	1
L7000N 9875E	3	47	36	284	.1	27	27	1863	7.41	4	5	ND	1	117	1.6	6	2	138	1.39	.088	14	34	1.33	120	.31	2	5.94	.02	.05	1
L7000N 9900E	2	35	9	175	.1	22	23	1729	5.99	5	5	ND	1	126	1.4	5	2	90	1.74	.059	11	28	1.22	147	.20	6	6.01	.01	.03	1
L7000N 9925E	2	37	21	182	.1	19	25	1702	5.92	4	5	ND	1	104	.3	2	2	91	1.87	.076	13	24	1.14	80	.23	3	5.54	.02	.04	1
L7000N 9950E	2	51	16	202	.1	25	30	1869	7.33	2	5	ND	1	108	1.1	3	2	131	1.25	.114	13	30	1.42	99	.21	4	5.09	.03	.04	1
L7000N 9975E	1	39	8	189	.1	19	27	1597	6.31	2	5	ND	1	107	.7	7	2	83	2.17	.064	12	22	1.34	64	.25	2	5.60	.02	.03	1
L7000N 10000E	1	43	30	183	.1	18	25	1795	6.79	2	5	ND	1	106	.5	2	2	93	2.16	.075	12	26	1.40	77	.27	2	5.56	.02	.03	1
STANDARD C	18	60	42	131	7.3	72	31	1055	3.97	36	17	6	36	51	18.8	14	21	56	.51	.099	36	61	.87	182	.07	36	1.88	.05	.14	11

NORANDA VANCOUVER LABORATORY

Geochemical Analysis



Project Name & No. BALL CK - 289

Geol.: T.C.

Date rec'd: AUG. 27

LAB CODE: 9009-008

Material: 8 SILTS & 338 SOILS

Sheet: 1 of 9

Date compl: SEP. 21

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

□ Organic

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

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

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

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
2	SILT 109401	5	0.2	3.13	20	262	1.5	2	0.29	1.6	35	9	15	26	3.15	0.82	17	18	0.37	478	4	0.04	18	0.08	10	76	0.30	113	133
3	109402	5	0.2	3.89	23	260	1.7	2	0.28	3.2	40	12	13	34	3.88	1.05	20	17	0.80	581	5	0.04	24	0.09	14	48	0.30	145	285
4	109403	5	0.2	3.80	27	279	1.8	2	0.27	3.5	43	11	10	31	3.81	1.19	21	18	0.69	592	7	0.04	23	0.09	14	62	0.29	143	313
5	109404	5	0.2	4.19	35	292	1.7	2	0.50	6.2	48	13	12	41	5.54	1.08	22	16	0.99	808	9	0.03	31	0.11	12	35	0.29	194	568
6	SILT 109405	5	0.2	4.42	35	356	1.7	2	0.51	7.0	48	16	13	47	5.54	0.90	22	14	0.87	898	12	0.04	38	0.12	17	29	0.33	244	800
7	SILT 109406	5	0.4	4.36	22	233	2.0	2	0.27	6.0	48	21	12	43	4.52	1.14	23	19	0.97	1121	6	0.04	39	0.10	13	49	0.29	162	309
8	109407	5	0.2	3.86	22	318	1.9	2	0.25	2.9	41	12	14	37	4.34	1.14	21	19	0.93	427	5	0.04	26	0.09	11	41	0.26	149	277
9	109408	5	0.4	4.37	26	182	2.0	2	0.23	5.4	47	19	16	48	4.63	0.67	24	21	0.93	741	6	0.04	32	0.09	14	49	0.31	180	338
10	SILT 109436	5	0.2	3.43	39	142	1.3	2	0.11	1.4	47	35	19	30	15.18	0.25	17	12	1.22	1724	11	0.05	18	0.22	15	18	1.55	482	160
11	10600N-10025E	5	0.2	3.04	19	115	2.8	2	0.88	0.8	77	15	13	35	5.42	0.23	35	19	0.74	983	5	0.12	18	0.08	11	34	0.68	142	202
12	10600N-10050E	5	0.2	3.12	16	83	2.7	2	1.01	1.9	83	19	13	45	6.01	0.20	35	16	0.81	1512	5	0.13	27	0.08	17	26	0.68	171	337
13	10075	5	0.2	3.50	16	65	0.9	2	1.42	1.2	44	34	15	57	6.89	0.12	13	15	1.62	1662	4	0.05	26	0.09	9	29	0.97	247	254
14	10100	5	0.2	3.14	9	119	3.0	2	0.47	0.5	80	11	20	30	5.23	0.27	38	17	0.57	799	4	0.15	18	0.10	9	22	0.64	120	190
15	10125	5	0.2	3.45	6	104	2.7	2	0.39	0.5	85	13	21	31	5.51	0.24	35	15	0.63	958	5	0.14	17	0.10	9	16	0.66	130	175
16	10600N-10150E	5	0.2	3.55	13	109	1.1	2	0.91	0.9	51	29	16	53	6.14	0.23	18	13	1.16	1919	4	0.08	24	0.14	9	26	0.79	228	191
17	10600N-10175E	5	0.2	3.39	5	75	1.0	2	1.53	1.2	46	31	12	37	6.12	0.10	15	10	1.20	1841	3	0.05	15	0.19	8	34	0.87	241	162
18	10600N-10200E	5	0.2	3.00	10	79	1.0	2	1.10	0.8	42	25	12	38	5.81	0.15	14	13	1.19	1499	3	0.06	17	0.11	7	26	1.07	225	143
19	18400N-9500E	5	0.6	4.33	24	273	1.7	2	0.11	2.6	46	10	19	33	4.72	0.70	23	14	0.56	898	12	0.05	24	0.13	11	36	0.28	195	489
20	9525	5	0.8	3.76	27	338	1.4	2	0.13	3.9	39	9	18	44	4.56	0.64	20	17	0.53	815	16	0.04	34	0.11	13	53	0.24	231	589
21	18400N-9550E	5	0.8	3.92	22	299	1.7	2	0.20	3.4	45	11	17	37	5.11	0.65	21	19	0.60	975	15	0.05	29	0.12	14	37	0.44	231	514
22	18400N-9575E	5	0.2	4.16	33	381	1.4	2	0.28	3.2	47	12	10	44	5.71	0.83	18	19	0.63	1040	18	0.03	38	0.13	15	50	0.30	269	663
23	9600	5	0.4	3.52	6	157	2.8	2	0.39	0.9	90	5	18	23	4.74	0.19	38	15	0.29	560	8	0.08	13	0.24	10	25	0.31	96	201
24	9625	5	0.6	3.88	7	109	1.6	2	0.11	0.8	54	4	21	19	5.14	0.22	25	15	0.26	334	7	0.07	11	0.18	5	14	0.62	116	162
25	9650	5	0.2	3.22	7	120	2.0	2	0.21	1.7	54	6	20	14	5.19	0.16	25	11	0.25	779	7	0.09	8	0.20	5	17	0.65	100	144
26	18400N-9675E	5	0.2	3.44	14	165	1.7	2	0.15	1.2	37	10	33	20	5.76	0.34	16	15	0.60	869	9	0.06	23	0.14	7	19	0.65	168	270
27	18400N-9700E	5	0.2	3.39	14	174	1.2	2	0.11	1.5	33	14	22	26	5.66	0.32	15	11	0.50	997	9	0.05	15	0.27	9	18	0.67	205	223
28	9725	5	0.2	4.02	2	97	2.2	2	0.09	1.6	50	7	15	12	4.82	0.13	23	10	0.25	735	5	0.08	9	0.17	3	11	0.72	99	128
29	9750	5	0.2	3.69	4	104	2.0	2	0.09	1.1	46	8	18	15	5.56	0.14	21	9	0.26	1083	5	0.07	8	0.19	2	12	0.80	120	105
30	9775	5	0.2	3.13	6	105	1.3	2	0.06	0.6	29	10	22	16	5.39	0.19	13	7	0.23	1461	6	0.07	8	0.24	6	13	0.87	127	114
31	18400N-9800E	5	0.2	3.35	12	127	2.2	2	0.10	0.6	47	10	22	19	4.76	0.19	24	12	0.25	1033	6	0.07	9	0.20	9	18	0.63	122	115
32	18400N-9825E	5	0.2	3.59	15	132	1.8	2	0.09	0.7	51	11	21	22	5.97	0.32	23	12	0.42	1178	8	0.09	14	0.20	9	18	0.74	149	192
33	9850	5	0.2	3.65	14	130	1.5	2	0.09	0.4	52	12	22	23	6.17	0.32	22	11	0.42	1357	8	0.11	13	0.19	8	17	0.79	151	186
34	9875	5	0.2	3.73	18	164	1.7	2	0.10	0.8	48	20	26	29	7.24	0.37	21	15	0.85	1480	9	0.08	20	0.17	10	20	0.91	247	261
35	9900	5	0.2	4.57	39	252	1.7	2	0.07	1.1	58	19	22	31	7.22	0.62	24	19	0.95	1422	11	0.06	25	0.16	15	23	0.62	253	334
36	18400N-9925E	5	0.2	4.07	18	203	2.7	2	0.08	0.9	75	13	26	23	5.63	0.39	34	20	0.44	986	7	0.10	15	0.20	8	20	0.64	150	198

606.75 88

Contra do Michel R 2

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Tl %	V ppm	Zn ppm	09-008 Pg. 2 of 9
37	18400N-9950E	5	0.2	3.86	51	169	1.4	2	0.05	0.7	55	28	19	38	8.68	0.39	20	16	0.82	1272	9	0.08	21	0.24	12	16	0.41	273	253	
38	9975	5	0.2	3.98	33	189	1.6	2	0.08	1.1	52	19	26	31	7.74	0.46	22	16	0.79	1452	11	0.08	24	0.16	14	20	0.73	235	331	
39	10000	5	0.2	5.36	71	354	1.7	2	0.04	1.8	73	21	22	47	7.18	0.90	30	21	0.82	1228	19	0.04	40	0.14	19	41	0.37	287	549	
40	10025	5	0.2	4.04	148	253	1.5	2	0.04	1.5	44	27	21	34	8.92	0.52	19	16	0.83	1586	16	0.04	22	0.19	13	22	0.57	285	352	
41	18400N-10050E	5	0.2	4.07	64	246	1.5	2	0.04	1.4	56	23	19	42	8.68	0.54	24	23	1.01	1298	25	0.04	31	0.12	14	21	0.45	351	447	
42	18400N-10075E	5	0.2	3.80	102	357	1.2	2	0.12	3.4	44	28	16	42	10.06	0.51	18	22	0.99	2233	24	0.03	35	0.13	12	65	0.44	335	455	
43	10100	5	1.2	4.57	47	540	1.4	2	0.34	10.7	42	18	9	89	6.25	0.97	20	19	0.73	1409	33	0.04	92	0.14	27	38	0.26	366	1094	
44	10125	5	1.6	4.84	61	681	1.4	2	0.10	15.9	36	31	13	85	6.64	1.10	19	14	0.67	1978	30	0.03	59	0.16	18	27	0.22	359	1208	
45	10150	5	2.0	4.27	53	455	1.5	2	0.11	6.6	41	14	17	59	5.92	0.83	21	15	0.59	1034	22	0.04	43	0.16	13	28	0.25	301	868	
46	18400N-10175E	5	1.0	4.84	85	530	1.5	2	0.03	3.2	44	12	17	86	6.64	1.03	24	12	0.58	581	32	0.03	41	0.14	14	37	0.20	385	871	
47	18400N-10200E	5	0.8	4.34	39	396	1.5	2	0.11	4.7	45	13	18	53	5.82	0.73	21	17	0.60	1028	24	0.05	40	0.14	15	23	0.33	273	683	
48	10225	5	1.4	4.83	48	453	1.6	2	0.54	11.1	49	13	18	81	5.99	0.88	25	33	0.69	1308	26	0.04	83	0.15	27	54	0.25	356	1112	
49	10250	5	0.8	4.15	40	370	1.3	2	0.55	11.3	50	14	20	70	5.28	0.53	21	29	0.69	1450	19	0.04	69	0.15	23	47	0.29	305	871	
51	10275	5	1.2	5.01	67	425	1.7	2	0.57	12.0	47	13	14	104	5.79	0.84	24	41	0.60	1072	34	0.04	94	0.20	36	62	0.27	402	1112	
52	18400N-10300E	5	1.0	4.47	49	450	1.4	2	0.58	13.5	48	12	15	85	5.95	0.99	22	32	0.66	1292	27	0.05	87	0.19	28	51	0.32	368	1137	
53	18400N-10325E	5	1.4	4.93	66	504	1.4	2	0.65	12.6	48	13	12	101	5.84	1.07	22	38	0.62	1120	33	0.05	95	0.21	35	65	0.22	391	1097	
54	10350	5	1.4	4.32	76	439	1.2	2	0.69	11.6	42	11	15	89	5.36	0.95	19	36	0.57	960	30	0.04	74	0.28	21	69	0.21	389	892	
55	10375	5	1.2	4.55	68	459	1.2	2	0.39	6.1	38	11	13	64	5.32	0.99	18	30	0.60	947	23	0.04	45	0.18	18	65	0.24	352	599	
56	10400	5	0.4	5.54	50	527	1.3	2	0.40	6.5	41	11	8	58	4.99	1.30	18	25	0.72	920	24	0.04	49	0.16	20	42	0.23	290	818	
57	18400N-10425E	5	0.6	4.80	68	444	1.2	2	0.44	5.1	37	12	12	74	5.67	1.00	16	47	0.61	996	28	0.04	55	0.18	22	48	0.22	320	652	
58	18400N-10450E	5	0.4	4.89	59	465	1.5	2	0.65	4.9	51	15	10	66	6.09	0.99	21	45	0.72	1318	24	0.04	54	0.20	22	57	0.29	287	640	
59	18600N-9500E	5	0.2	4.22	8	287	1.7	2	0.57	0.3	68	18	11	24	7.36	0.63	27	17	1.49	1483	5	0.06	15	0.12	6	95	0.73	184	159	
60	9525	5	0.2	3.06	10	267	1.1	2	0.21	0.5	34	10	20	15	5.81	0.47	10	9	0.64	2339	10	0.06	10	0.31	7	56	0.56	162	148	
61	9550	5	0.2	4.51	11	157	2.2	2	0.19	0.4	68	9	24	23	5.87	0.35	31	17	0.61	454	11	0.06	13	0.19	7	33	0.83	152	134	
62	18600N-9575E	5	0.2	2.96	7	157	1.2	2	0.17	0.4	38	8	25	19	6.52	0.34	15	11	0.44	1876	13	0.06	11	0.19	4	24	0.88	153	195	
63	18600N-9600E	5	0.2	4.85	11	251	2.0	2	0.34	0.4	94	16	19	28	7.03	0.55	33	18	0.96	1413	7	0.06	17	0.19	7	43	0.74	200	222	
64	9625	5	0.2	3.53	2	82	1.3	2	0.15	0.2	36	4	22	12	5.10	0.17	16	8	0.23	650	6	0.08	7	0.16	6	15	0.79	108	85	
65	9650	5	0.2	3.52	8	98	2.1	2	0.10	0.2	53	7	22	17	5.95	0.22	24	13	0.34	908	6	0.11	10	0.14	7	15	0.75	117	129	
66	9675	5	0.2	3.92	7	130	1.9	2	0.13	0.2	54	13	22	23	6.59	0.29	23	14	0.71	1180	6	0.09	15	0.15	5	17	0.93	193	167	
67	18600N-9700E	5	0.2	4.12	9	150	2.5	2	0.14	0.2	69	16	27	27	7.03	0.33	25	15	0.55	1828	7	0.09	18	0.24	7	20	0.82	184	235	
68	18600N-9725E	5	0.2	4.10	13	139	1.9	2	0.20	0.2	58	14	23	27	6.82	0.31	20	14	0.72	1275	5	0.06	18	0.15	6	21	0.87	199	208	
69	9750	5	0.2	3.42	4	160	1.8	2	0.32	0.5	64	16	23	24	6.47	0.31	18	14	0.69	1820	6	0.06	16	0.18	7	25	0.83	193	225	
70	9775	5	0.2	2.90	12	180	1.6	2	0.54	1.0	55	17	24	22	6.19	0.30	16	13	0.60	2066	5	0.05	15	0.20	8	28	0.79	184	218	
71	9800	5	0.2	3.42	12	125	2.4	2	0.32	0.5	68	15	18	37	5.92	0.23	28	13	0.56	1199	6	0.08	17	0.15	7	22	0.91	166	151	
72	18600N-9825E	5	0.2	2.95	5	115	1.6	2	0.12	0.2	46	4	17	14	4.43	0.18	21	10	0.27	525	6	0.07	8	0.20	5	16	0.52	101	93	
73	18600N-9850E	5	0.2	4.35	5	350	2.1	2	0.26	0.4	77	11	19	21	5.49	0.73	31	20	1.04	963	4	0.05	15	0.13	6	29	0.64	128	174	
74	9875	5	0.2	3.11	9	158	1.4	2	0.90	1.2	61	13	19	20	4.49	0.29	24	15	0.72	881	7	0.06	14	0.22	5	42	0.61	151	161	
75	9900	5	0.2	3.57	14	196	1.4	2	0.49	0.6	53	28	25	38	7.56	0.36	19	17	1.47	1661	6	0.06	25	0.13	7	31	1.02	269	214	
76	9925	5	0.2	3.60	14	180	1.5	2	0.45	0.4	60	34	27	46	7.81	0.37	23	17	1.30	2983	6	0.06	28	0.15	9	28	0.91	266	220	
77	18600N-9950E	5	0.2	2.52	5	171	1.5	2	0.55	0.9	54	12	24	18	5.74	0.19	16	10	0.38	1430	6	0.06	10	0.24	6	24	0.81	148	163	
78	18600N-9975E	5	0.2	3.39	10	172	2.3	2	0.18	0.6	75	14	26	26	6.46	0.28	32	14	0.52	1604	6	0.08	16	0.17	10	21	0.71	150	219	
79	10000	5	0.2	3.69	13	154	1.8	2	0.18	0.2	58	22	31	30	7.27	0.30	20	14	0.87	1850	5	0.08	20	0.21	6	21	1.02	226	186	
80	10025	5	0.2	3.45	5	88	2.0	2	0.14	0.2	47	14	23	18	6.01	0.18	19	9	0.33	1398	5	0.08	9	0.19	2	15	0.88	129	133	
81	18600N-10050E	5	0.2	3.45	9	73	2.4	2	0.19	0.5	60	10	14	18	4.86	0.10	24	7	0.26	873	5	0.08	9	0.17	8	12	0.77	91	84	

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm	09-008 Pg. 3 of 9
82	18800N-10075E	5	0.2	3.19	11	181	1.5	2	0.09	0.2	39	21	29	32	7.37	0.31	17	14	1.08	921	8	0.05	20	0.14	5	20	0.85	272	195	
83	18800N-10100E	5	0.2	3.70	11	204	1.7	2	0.24	0.2	53	34	22	33	7.40	0.50	19	18	1.38	1783	6	0.08	23	0.15	5	21	0.95	272	183	
84	10125	5	0.2	3.58	9	221	1.9	2	0.34	0.4	64	27	19	33	7.28	0.45	24	18	1.43	1303	6	0.09	24	0.14	6	25	0.85	251	210	
85	10150	5	0.2	2.40	22	132	0.8	2	0.02	0.2	26	9	18	43	16.93	0.15	10	11	1.10	424	11	0.04	15	0.23	13	8	1.27	444	125	
86	10175	5	0.2	4.77	19	388	1.8	3	0.05	0.2	57	15	8	31	8.07	0.94	27	11	1.12	783	14	0.04	17	0.13	11	16	0.46	201	246	
87	18800N-10200E	5	0.8	4.82	26	244	1.3	2	0.18	4.7	43	15	9	64	5.00	1.02	21	20	0.95	1070	18	0.04	58	0.12	25	11	0.30	329	708	
88	18800N-10225E	5	0.4	4.12	21	241	2.1	2	0.17	1.0	73	16	19	36	6.32	0.53	30	18	0.84	1230	11	0.07	31	0.15	14	21	0.52	219	375	
89	10250	5	0.2	3.57	20	274	1.3	2	0.46	2.0	54	27	19	38	6.45	0.52	21	17	1.23	1435	9	0.04	30	0.10	11	30	0.49	223	317	
90	10275	5	0.4	3.56	30	407	1.2	2	0.54	17.7	45	16	10	65	5.43	0.65	19	14	1.00	3050	27	0.04	97	0.09	29	28	0.33	307	1195	
91	10300	5	0.2	4.39	28	328	2.4	3	0.17	2.3	70	18	23	47	6.47	0.83	32	21	0.78	1218	18	0.06	53	0.13	18	32	0.49	234	681	
92	18800N-10325E	5	0.2	4.14	22	381	2.1	2	0.31	3.2	63	11	21	43	5.70	0.58	28	22	0.67	922	20	0.07	64	0.14	18	29	0.52	230	869	
93	18800N-10350E	6	0.4	3.87	34	416	1.7	2	0.33	4.0	61	13	19	50	6.15	0.89	28	26	0.76	984	24	0.05	68	0.09	22	34	0.48	266	1010	
94	10375	5	0.2	3.94	38	450	1.7	2	0.30	3.0	65	12	19	40	5.96	0.68	30	21	0.78	939	17	0.04	47	0.09	19	40	0.41	209	638	
95	10400	5	0.2	3.26	34	420	1.7	2	0.31	2.6	61	12	17	34	5.88	0.57	28	25	0.70	946	13	0.05	32	0.09	16	36	0.42	172	418	
96	10425	5	0.2	3.59	57	433	1.5	2	0.27	4.3	58	15	18	42	6.49	0.64	25	20	0.73	1195	17	0.04	45	0.09	19	41	0.32	213	488	
97	18800N-10450E	5	0.2	3.99	56	371	2.1	2	0.14	1.3	76	12	16	29	6.75	0.66	32	20	0.61	1231	11	0.06	25	0.11	18	63	0.43	148	345	
98	18800N-10475E	5	0.2	4.02	69	421	2.2	2	0.22	2.0	82	11	18	32	6.94	0.54	37	19	0.54	1217	14	0.05	27	0.10	20	77	0.38	144	402	
99	18800N-10500E	5	0.2	4.01	96	323	1.8	3	0.24	3.3	61	27	19	52	8.70	0.39	25	23	0.95	1933	16	0.04	39	0.12	22	39	0.34	286	560	
101	18800N-9500E	5	0.2	4.46	40	220	1.9	2	0.75	0.4	64	25	7	22	8.81	0.68	28	21	2.18	1895	7	0.04	14	0.12	7	80	0.75	228	143	
102	9525	5	0.2	4.96	23	297	1.9	2	0.13	0.2	67	29	10	24	10.54	0.89	25	18	1.66	2282	7	0.05	14	0.15	6	27	0.53	179	169	
103	18800N-9550E	5	0.2	4.83	21	265	1.9	2	0.22	0.2	75	33	9	25	10.35	0.79	25	20	1.83	2463	6	0.05	14	0.14	2	29	0.55	186	171	
104	18800N-9575E	5	0.2	4.93	23	273	1.9	2	0.20	0.2	79	33	8	23	10.28	0.83	26	20	1.78	2394	5	0.04	14	0.14	3	29	0.53	182	168	
105	9600	5	0.2	4.20	8	153	3.1	2	0.44	0.2	105	16	17	25	6.72	0.40	45	17	0.68	1253	6	0.10	14	0.23	9	34	0.69	130	178	
106	9650	5	0.2	3.46	15	149	2.3	2	0.15	0.2	123	46	19	34	13.10	0.33	34	15	0.84	2337	11	0.06	18	0.18	11	24	0.77	190	247	
107	9675	5	0.2	3.56	14	120	2.3	2	0.12	0.2	123	51	18	36	14.49	0.29	30	16	0.86	2588	13	0.05	18	0.19	11	20	0.87	200	257	
108	18800N-9725E	5	0.2	5.22	3	228	1.8	2	0.98	0.2	74	19	16	26	7.65	0.89	28	19	1.59	1696	4	0.07	17	0.14	4	211	0.74	162	158	
109	18800N-9750E	5	0.2	4.66	7	190	2.2	2	0.46	0.4	102	28	17	24	7.85	0.61	29	17	1.13	2582	5	0.05	20	0.19	5	92	0.75	169	174	
110	9775	5	0.2	3.74	7	154	2.0	2	0.31	0.2	90	20	22	17	6.33	0.36	23	13	0.55	1663	6	0.06	13	0.22	6	58	0.72	130	140	
111	9800	5	0.2	4.38	10	261	2.3	2	0.22	0.2	114	24	30	28	7.20	0.57	32	17	0.74	1309	8	0.06	19	0.17	10	64	0.69	166	177	
112	9825	5	0.2	4.91	2	257	2.9	3	0.36	0.2	168	84	20	29	7.12	0.51	47	20	0.80	1513	6	0.07	22	0.20	7	79	0.59	149	321	
113	18800N-9850E	5	0.2	2.88	6	189	1.8	2	0.18	0.4	54	12	21	16	5.58	0.31	19	10	0.42	1681	5	0.08	10	0.19	4	44	0.62	112	164	
114	18800N-9875E	5	0.2	4.03	2	242	1.9	2	0.17	0.2	53	12	22	17	6.25	0.51	18	11	0.76	1203	4	0.07	12	0.17	2	92	0.75	134	130	
115	9900	5	0.2	3.13	2	123	1.7	2	0.17	0.2	46	10	15	12	4.93	0.22	20	6	0.29	1331	4	0.06	7	0.21	2	33	0.71	92	101	
116	9925	5	0.2	3.21	3	118	2.2	2	0.15	0.5	64	6	12	10	5.04	0.25	25	10	0.33	850	4	0.09	7	0.19	5	38	0.53	68	114	
117	9950	5	0.2	3.26	7	106	2.0	2	0.13	0.2	48	5	15	10	4.82	0.16	26	8	0.26	849	4	0.07	7	0.19	2	30	0.66	87	94	
118	18800N-9975E	5	0.2	3.37	2	61	2.2	2	0.15	0.2	44	4	14	6	4.68	0.11	21	6	0.19	419	3	0.06	6	0.18	2	17	0.73	77	70	
119	18800N-10000E	5	0.2	2.82	7	140	1.7	2	0.84	0.4	73	7	14	11	3.93	0.25	47	14	0.45	761	4	0.05	7	0.20	3	50	0.33	103	94	
120	10025	5	0.2	3.74	6	212	2.3	2	0.16	0.2	74	12	33	20	6.01	0.45	25	15	0.77	1056	4	0.09	15	0.16	4	36	0.73	129	158	
121	10050	5	0.2	3.98	10	302	2.4	2	0.21	0.5	89	15	33	24	5.86	0.49	26	17	0.91	1090	6	0.05	18	0.14	10	44	0.63	140	168	
122	10075	5	0.2	4.16	7	334	2.1	2	0.16	0.3	89	11	20	19	5.48	0.53	25	14	0.95	1011	5	0.04	15	0.11	8	31	0.59	118	164	
123	18800N-10100E	5	0.2	3.55	11	280	1.7	2	0.51	3.2	71	22	12	19	6.27	0.47	29	13	1.04	2184	6	0.04	13	0.20	10	30	0.64	154	242	
124	18800N-10125E	5	0.2	4.15	17	220	1.7	3	0.77	0.7	68	48	13	30	10.70	0.15	23	21	2.20	4110	8	0.04	27	0.17	9	20	1.32	350	240	
125	18800N-10150E	5	0.2	3.47	19	482	1.5	3	1.04	1.2	64	68	11	40	10.08	0.17	27	17	1.61	11243	10	0.03	23	0.18	12	28	0.90	339	273	

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm	09-008 Pg. 4 of 9
126	18800N-10175E	5	0.2	4.89	10	211	1.6	3	1.44	0.6	47	39	4	24	13.13	0.03	17	23	3.67	2553	7	0.02	24	0.12	2	17	1.69	405	200	
127	10200	5	0.2	3.93	15	225	1.4	2	1.23	1.3	46	43	5	27	11.47	0.05	16	19	2.79	3309	10	0.03	23	0.10	8	19	1.30	349	260	
128	18800N-10225E	5	0.2	4.14	17	264	1.6	2	0.73	0.7	70	41	17	30	9.12	0.37	28	18	1.55	3283	9	0.04	22	0.13	9	31	0.77	257	251	
129	18800N-10250E	5	0.2	4.23	14	240	1.7	2	0.58	0.6	73	39	13	24	8.09	0.46	25	19	1.72	2535	7	0.03	19	0.12	7	26	0.78	225	246	
130	10275	5	0.2	3.60	8	189	1.5	2	0.42	0.5	61	25	13	25	7.14	0.39	23	15	1.39	2217	5	0.06	16	0.16	8	23	0.87	193	215	
131	10300	5	0.2	5.71	13	477	2.7	2	0.20	0.7	75	12	17	24	6.11	0.86	31	20	1.02	1536	10	0.03	17	0.20	15	26	0.60	140	210	
132	10325	5	0.2	3.94	12	273	1.6	2	0.45	0.4	55	25	7	24	7.73	0.48	22	17	2.08	1838	5	0.04	14	0.10	7	27	0.87	225	182	
133	18800N-10350E	5	0.2	3.23	8	177	1.6	2	0.23	0.2	53	23	22	24	6.73	0.29	21	14	0.92	2066	5	0.09	16	0.15	5	25	0.91	181	155	
134	18800N-10375E	5	0.2	3.66	13	290	1.8	4	0.42	0.6	72	31	23	25	7.42	0.47	25	17	1.30	2574	6	0.06	19	0.12	9	31	0.76	192	189	
135	10400	5	0.2	4.85	15	366	1.8	2	0.81	0.7	71	15	8	21	5.99	0.69	28	18	1.35	1421	6	0.04	13	0.07	9	57	0.58	120	212	
136	10425	5	0.2	5.14	14	488	1.9	3	0.71	0.8	71	10	8	16	5.25	0.79	27	19	1.29	1247	5	0.04	13	0.06	13	85	0.43	78	175	
137	10450	5	0.2	3.47	33	212	1.4	3	0.54	1.7	54	17	9	32	7.18	0.35	22	18	1.16	1129	12	0.04	22	0.09	11	26	0.65	235	334	
138	18800N-10475E	5	0.2	4.42	18	329	1.5	3	0.59	1.8	62	21	15	36	6.62	0.77	23	19	1.07	1649	11	0.05	25	0.10	17	41	0.60	173	344	
139	18800N-10500E	5	0.2	4.30	27	340	2.0	2	0.34	1.4	74	17	28	36	6.37	0.69	29	20	0.85	1637	10	0.05	29	0.12	17	38	0.46	188	340	
140	10525	5	0.2	3.74	27	352	1.5	2	0.42	2.9	56	16	22	40	6.18	0.73	26	18	0.88	1509	12	0.04	32	0.09	17	38	0.36	208	421	
141	10625	5	0.2	3.97	17	447	1.8	2	0.61	2.1	63	19	10	33	5.94	0.63	26	24	1.08	1894	9	0.04	19	0.08	15	50	0.35	170	275	
142	10650	5	0.4	3.85	18	364	1.5	2	0.40	3.6	52	14	7	37	5.64	0.48	20	20	1.02	1639	13	0.03	25	0.07	17	30	0.41	175	451	
143	18800N-10675E	5	0.6	4.86	25	601	1.9	2	0.31	4.4	69	16	7	35	6.25	0.97	27	25	1.05	1650	15	0.03	28	0.07	22	50	0.33	139	533	
144	18800N-10700E	5	0.2	5.11	18	551	1.8	2	0.48	3.6	71	13	4	29	5.67	0.74	28	26	1.22	1520	12	0.03	23	0.06	16	47	0.30	122	417	
145	10725	5	0.2	4.61	28	590	1.7	2	0.47	4.6	81	18	4	31	5.35	0.80	30	24	1.05	1841	13	0.02	30	0.06	18	49	0.27	120	461	
146	10750	5	0.2	4.75	15	606	1.7	2	0.55	1.4	76	10	3	17	4.82	0.62	25	25	1.08	1117	6	0.03	11	0.04	12	63	0.25	73	222	
147	10775	5	0.2	5.62	13	912	2.3	2	0.47	0.6	91	10	3	16	5.64	0.98	35	32	1.15	1254	5	0.05	9	0.05	13	94	0.26	53	181	
148	18800N-10800E	5	0.2	4.14	25	569	1.8	2	1.09	0.9	68	32	5	40	8.70	0.65	25	24	2.59	4535	8	0.02	16	0.06	10	37	0.33	149	253	
149	19000N-9500E	5	0.2	3.88	6	166	1.7	2	0.54	0.2	70	41	15	26	9.13	0.32	28	14	1.45	4226	5	0.05	14	0.34	5	21	1.17	303	183	
152	9525	5	0.2	4.04	6	166	1.4	2	0.20	0.2	50	10	20	23	4.77	0.36	22	13	0.65	759	2	0.07	12	0.20	4	29	0.39	143	128	
153	9550	5	0.2	3.84	8	150	2.0	2	0.41	0.2	90	40	11	22	7.05	0.27	20	12	1.12	3603	2	0.05	13	0.27	4	24	0.52	218	186	
154	9575	5	0.2	2.44	6	231	1.1	2	1.01	0.9	53	37	13	22	5.10	0.35	15	8	0.78	3267	1	0.04	10	0.32	7	38	0.30	173	246	
155	19000N-9600E	5	0.2	1.93	14	137	0.9	2	2.05	0.5	55	24	7	21	3.85	0.31	23	8	0.69	1879	1	0.02	9	0.18	7	52	0.15	109	154	
156	19000N-9625E	5	0.2	5.05	10	269	1.6	2	1.05	0.6	55	23	2	20	8.12	0.61	21	21	2.95	1768	2	0.04	15	0.12	2	158	0.45	271	172	
157	9650	5	0.4	4.73	34	202	1.8	2	0.54	0.8	72	62	4	24	9.20	0.48	24	22	2.62	4484	3	0.03	20	0.17	8	47	0.33	309	217	
158	9675	5	0.2	4.75	43	189	1.7	2	0.89	0.9	77	48	3	21	8.76	0.47	26	23	2.82	4180	2	0.03	22	0.16	6	34	0.26	306	204	
159	9700	5	0.2	5.44	29	292	2.0	2	0.82	1.2	79	42	7	28	8.63	0.83	32	23	2.31	4040	6	0.04	37	0.16	9	43	0.33	271	281	
160	19000N-9725E	5	0.4	6.29	27	509	2.5	2	0.75	0.9	98	29	7	24	8.09	1.37	37	21	1.96	3271	3	0.04	16	0.16	8	84	0.33	177	176	
161	19000N-9750E	5	0.2	6.81	42	554	3.1	2	0.56	0.5	108	36	8	25	8.26	1.32	38	23	1.66	3013	4	0.04	15	0.17	9	74	0.24	175	177	
162	9775	5	0.2	5.02	150	257	1.5	2	0.17	0.2	61	14	10	26	9.28	0.85	23	18	1.17	990	5	0.04	13	0.18	9	48	0.26	171	156	
163	9800	5	0.2	5.68	656	276	1.9	2	0.09	0.6	84	36	6	21	9.90	0.96	27	20	0.72	2335	5	0.03	12	0.18	11	37	0.18	158	178	
164	9825	5	0.4	3.51	3188	115	2.1	2	0.14	0.5	88	38	8	20	11.15	0.30	30	17	0.25	2360	6	0.03	12	0.19	11	38	0.11	163	183	
165	19000N-9850E	5	0.2	5.31	30	332	1.9	2	0.64	0.5	61	22	9	16	6.78	0.83	24	16	1.24	1905	1	0.13	12	0.14	6	259	0.39	131	141	
166	19000N-9875E	5	0.2	4.54	17	251	1.9	2	0.50	0.4	77	22	11	21	6.62	0.68	22	15	1.16	1878	2	0.08	13	0.15	6	124	0.41	141	143	
167	9900	5	0.4	4.07	13	213	2.0	2	0.52	0.5	90	23	14	21	5.98	0.61	28	14	0.96	2015	2	0.07	14	0.20	7	75	0.36	128	146	
168	9925	5	0.4	3.45	12	181	1.6	2	0.75	0.8	79	12	13	16	4.39	0.44	32	11	0.62	1273	2	0.04	10	0.26	9	93	0.24	99	133	
169	9950	5	0.4	4.94	9	266	2.2	2	0.69	1.0	94	22	10	19	6.52	1.03	32	15	1.61	3044	1	0.04	13	0.12	9	67	0.23	137	132	
170	19000N-9975E	5	0.4	4.58	8	304	1.8	2	0.65	0.9	70	16	20	19	5.55	0.82	25	16	1.61	1250	1	0.04	19	0.11	7	83	0.38	142	132	
171	19000N-10000E	5	0.2	1.79	12	114	1.1	2	0.22	0.5	31	6	15	14	2.33	0.21	15	6	0.18	367	2	0.05	8	0.27	9	28	0.20	67	69	

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Tl %	V ppm	Zn ppm	09-008 Pg. 5 of 9
172	19000N-10025E	5	0.2	4.11	12	308	2.0	2	0.30	0.4	71	16	20	20	5.28	0.80	29	13	0.72	1756	2	0.07	13	0.24	7	96	0.42	129	129	
173	10050	5	0.2	2.91	7	157	1.5	2	0.47	0.5	60	11	16	17	4.29	0.27	27	9	0.45	1534	1	0.06	11	0.24	8	39	0.28	111	107	
174	10075	5	0.2	4.42	10	309	2.4	2	0.28	0.4	96	15	21	24	5.62	0.58	29	16	0.83	1547	2	0.09	19	0.19	8	86	0.39	132	181	
175	19000N-10100E	5	0.4	2.61	6	128	0.9	2	0.11	0.4	38	6	19	16	4.11	0.26	18	7	0.29	564	2	0.07	10	0.24	8	24	0.34	94	91	
176	19000N-10125E	5	0.2	4.24	13	293	2.2	2	0.43	0.4	73	16	31	28	6.04	0.56	33	18	1.13	963	2	0.06	21	0.11	9	61	0.38	141	181	
177	10150	5	0.4	4.04	11	275	2.2	2	0.49	0.6	74	14	34	26	5.48	0.45	33	17	1.04	904	1	0.06	22	0.11	10	68	0.36	124	169	
178	10175	5	0.6	3.98	9	259	2.2	2	0.28	0.4	77	16	33	25	5.21	0.48	28	16	0.85	1231	2	0.09	22	0.16	10	51	0.39	125	154	
179	10200	5	0.6	4.03	9	279	2.0	2	0.46	0.7	73	16	33	26	5.46	0.50	30	17	1.09	1005	1	0.06	28	0.13	11	70	0.36	131	173	
180	19000N-10225E	5	0.4	3.95	11	294	2.2	2	0.45	0.6	84	16	37	27	5.18	0.47	35	16	0.89	1062	1	0.07	25	0.14	10	51	0.34	122	160	
181	19000N-10250E	20	0.2	3.38	12	235	2.1	2	0.50	1.3	66	16	31	32	5.08	0.41	31	17	0.94	895	4	0.05	25	0.10	13	51	0.32	134	197	
182	10275	5	0.4	4.53	13	400	2.1	2	0.57	1.3	83	11	13	22	4.21	1.00	36	14	1.02	928	6	0.04	18	0.08	13	45	0.25	86	182	
183	10300	5	0.2	5.34	11	543	2.3	2	0.60	1.2	100	7	4	17	3.65	1.37	42	12	1.01	1013	8	0.03	11	0.07	18	34	0.23	45	186	
184	10325	5	0.4	5.04	12	462	2.3	2	0.53	1.7	122	10	7	21	4.46	1.17	39	17	1.04	1749	7	0.03	15	0.07	21	40	0.25	56	247	
185	19000N-10350E	5	0.2	5.06	9	442	1.8	2	1.54	2.0	87	16	4	18	4.30	0.82	32	17	1.03	1772	3	0.05	10	0.06	16	111	0.26	69	253	
186	19000N-10375E	5	0.2	5.10	10	516	2.0	3	0.90	0.8	82	13	5	16	4.64	0.96	32	19	1.29	1682	1	0.04	10	0.07	14	61	0.26	62	176	
187	10400	5	0.4	5.91	9	609	2.0	4	0.90	1.2	78	11	5	15	4.57	1.17	28	21	1.56	1268	2	0.06	8	0.07	16	100	0.23	60	171	
188	10425	5	0.4	6.07	11	480	2.1	4	1.41	1.0	86	12	5	16	4.32	0.99	31	21	1.36	1301	3	0.04	10	0.06	19	89	0.18	63	153	
189	10450	5	0.4	5.41	20	582	2.3	6	0.63	1.3	94	15	13	22	5.34	1.14	36	19	1.15	1489	4	0.04	18	0.10	19	75	0.26	100	235	
190	19000N-10475E	5	0.2	4.73	21	383	2.2	4	0.42	1.5	97	14	13	21	4.68	0.97	32	15	0.87	1553	5	0.05	17	0.13	19	58	0.24	99	236	
191	19000N-10500E	5	0.4	4.72	21	447	2.4	3	0.47	1.0	90	21	22	34	5.35	0.79	36	18	1.01	1525	5	0.05	23	0.12	16	63	0.26	127	245	
192	19200N-9500E	5	0.2	4.03	13	172	1.4	2	1.14	0.3	80	37	7	25	7.13	0.36	33	14	1.81	2916	2	0.04	15	0.20	5	37	0.51	259	168	
193	9525	5	0.2	4.20	8	167	1.5	2	1.26	0.3	71	33	8	25	7.32	0.28	33	14	1.71	2683	2	0.04	14	0.23	8	41	0.50	255	170	
194	9550	5	0.2	4.48	14	163	1.3	2	1.62	0.6	61	33	4	25	7.95	0.36	23	15	2.44	2414	2	0.04	16	0.15	4	36	0.71	303	178	
195	19200N-9575E	5	0.2	4.87	12	147	1.3	2	1.37	0.5	51	24	3	22	8.10	0.51	20	16	2.91	1526	2	0.03	15	0.14	2	30	0.61	312	182	
196	19200N-9600E	5	0.2	4.49	13	191	1.4	2	1.38	0.6	62	38	5	25	8.36	0.43	22	14	2.14	2857	2	0.04	16	0.15	3	46	0.65	304	183	
197	9625	5	0.2	4.09	12	152	1.6	2	1.07	0.5	73	52	6	27	9.81	0.26	23	14	1.62	3844	3	0.05	14	0.21	5	53	0.60	308	183	
198	9650	5	0.4	4.29	11	157	1.4	2	1.26	0.5	71	59	5	27	9.69	0.28	20	14	1.68	4228	2	0.04	14	0.21	6	67	0.57	314	186	
199	9675	5	0.2	4.41	12	154	1.4	2	1.26	0.6	70	61	4	26	9.75	0.24	23	17	2.24	5154	2	0.03	13	0.20	4	82	0.57	297	202	
201	19200N-9700E	5	0.2	4.08	12	200	1.7	2	0.95	0.3	73	47	10	30	7.79	0.44	27	16	1.52	4007	4	0.03	17	0.21	9	69	0.46	279	200	
202	19200N-9725E	5	0.2	4.20	13	184	1.8	2	0.60	0.2	78	45	7	26	8.33	0.50	29	15	1.53	3290	5	0.04	18	0.16	7	37	0.34	265	187	
203	9750	5	0.2	4.18	9	192	1.8	2	0.49	0.2	88	43	8	24	8.17	0.59	31	14	1.41	3126	6	0.04	19	0.16	7	39	0.32	230	207	
204	9775	5	0.4	4.09	13	254	2.0	2	0.65	0.3	98	56	10	29	8.19	0.67	40	13	1.39	3708	6	0.04	21	0.16	12	63	0.34	198	232	
205	9800	5	0.2	4.48	6	263	2.2	2	0.60	0.4	109	38	7	23	7.31	1.05	44	11	1.41	2987	6	0.04	12	0.15	8	84	0.37	149	234	
206	19200N-9825E	5	0.2	4.96	5	278	2.2	2	0.59	1.4	103	37	6	22	6.90	1.17	43	11	1.50	2732	6	0.04	16	0.15	8	87	0.29	150	257	
207	19200N-9850E	5	0.4	5.65	9	312	2.3	2	0.53	1.0	88	38	7	23	7.10	1.45	35	11	1.50	2710	7	0.04	19	0.14	8	104	0.29	145	254	
208	9875	5	0.4	2.57	4	183	1.3	2	0.22	0.2	58	26	12	31	10.41	0.36	24	8	0.79	1235	6	0.09	9	0.24	7	60	0.46	178	148	
209	9900	5	0.2	2.38	7	150	1.5	2	0.25	0.2	85	34	13	34	9.73	0.32	30	7	0.55	1830	13	0.04	8	0.42	7	44	0.36	171	170	
210	9925	5	0.2	5.48	2	375	2.0	2	1.12	0.2	79	23	7	18	6.20	1.23	30	15	1.85	3230	1	0.06	10	0.12	4	162	0.36	127	141	
211	19200N-9950E	5	0.2	5.05	3	370	2.2	2	0.72	0.2	77	24	13	23	6.30	0.93	27	16	1.56	1943	2	0.05	14	0.12	9	155	0.26	128	151	
212	19200N-9975E	5	0.2	4.71	6	343	1.8	2	0.57	0.2	83	20	16	22	5.92	0.77	25	15	1.29	1688	1	0.06	14	0.16	9	138	0.31	133	146	
213	10000	5	0.4	2.37	3	151	1.4	2	0.63	0.2	53	12	12	16	3.65	0.28	26	6	0.43	1711	2	0.05	8	0.35	8	49	0.25	79	98	
214	10025	5	0.2	3.29	4	185	1.8	2	0.26	0.2	62	12	15	17	4.67	0.31	27	9	0.57	1379	2	0.07	11	0.22	7	47	0.37	94	106	
215	10050	5	0.4	4.30	7	315	1.8	3	0.36	0.2	88	19	24	25	5.70	0.57	28	15	0.93	1551	2	0.07	18	0.24	10	57	0.31	146	151	
216	19200N-10075E	5	0.4	2.91	3	194	1.3	2	0.33	0.2	59	8	16	16	3.70	0.27	33	8	0.49	726	2	0.06	12	0.31	8	32	0.23	91	106	

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm	09-008 Pg. 6 of 9
217	19200N-10100E	5	0.4	3.08	4	189	2.1	2	0.22	0.2	71	14	18	19	4.95	0.29	24	10	0.53	1538	2	0.10	12	0.26	10	28	0.35	109	135	
218	10125	5	0.4	4.15	2	248	1.5	3	0.87	0.2	63	17	31	24	6.08	0.54	27	15	1.52	1024	1	0.05	21	0.12	8	39	0.44	173	159	
219	10150	5	0.2	4.76	3	258	1.8	2	0.46	0.2	65	22	11	24	7.09	0.54	25	19	1.85	1442	2	0.06	18	0.14	5	30	0.53	210	167	
220	10175	5	0.2	3.94	6	185	1.5	3	0.46	0.2	52	24	20	29	6.69	0.36	21	18	1.86	1348	3	0.07	25	0.13	6	27	0.57	229	204	
221	19200N-10200E	5	0.2	3.29	13	182	1.8	2	0.40	0.4	70	25	22	35	5.44	0.42	28	14	1.01	1643	10	0.09	30	0.14	11	30	0.42	187	322	
222	19200N-10225E	5	0.2	3.79	6	221	1.9	3	0.39	0.2	79	25	25	29	5.98	0.30	30	14	0.99	2068	2	0.09	25	0.19	6	31	0.51	173	164	
223	10250	6	0.2	3.89	10	227	1.8	2	0.73	0.2	68	27	28	32	6.35	0.31	29	19	1.43	2084	1	0.06	29	0.11	4	44	0.46	192	170	
224	10300	5	0.4	4.01	9	265	1.8	2	0.72	0.4	73	23	37	37	6.02	0.40	31	18	1.24	1909	1	0.06	31	0.09	18	74	0.40	166	194	
225	10325	5	0.2	3.93	12	224	1.8	2	0.62	0.2	75	26	39	32	5.86	0.34	28	17	1.11	2163	1	0.06	32	0.12	6	57	0.41	159	148	
226	19200N-10350E	5	0.2	3.94	9	185	2.1	2	0.54	0.2	80	19	35	27	5.45	0.39	25	15	0.96	1544	1	0.09	28	0.14	4	68	0.44	127	145	
227	19200N-10375E	5	0.2	4.75	3	239	2.3	2	0.57	0.2	83	20	25	25	6.01	0.52	30	18	1.16	1428	1	0.06	21	0.11	5	124	0.42	130	151	
228	10400	5	0.4	4.04	7	203	2.0	2	0.56	0.2	80	21	38	26	5.66	0.43	29	16	1.10	1283	1	0.07	27	0.14	4	80	0.41	128	135	
229	10425	5	0.4	3.97	7	254	1.9	2	0.39	0.2	69	23	44	31	5.50	0.43	27	17	1.08	1518	1	0.06	33	0.10	6	52	0.35	133	152	
230	10450	6	0.4	3.71	7	223	1.9	2	0.37	0.2	67	21	41	30	5.34	0.40	25	17	0.91	1580	1	0.07	28	0.14	5	40	0.34	133	158	
231	19200N-10475E	5	0.2	3.96	13	211	1.9	4	0.74	0.3	74	39	24	50	6.87	0.31	31	19	1.35	4041	4	0.05	26	0.15	11	46	0.39	192	169	
232	19200N-10500E	5	0.4	3.68	9	202	2.2	2	0.66	0.2	76	23	33	30	6.08	0.34	33	18	0.99	1903	2	0.07	26	0.16	10	39	0.45	137	180	
233	19400N-9500E	5	0.2	3.85	6	106	1.8	2	0.29	0.2	59	21	7	16	5.74	0.13	19	11	0.57	2359	1	0.05	9	0.24	6	16	0.41	162	114	
234	9525	5	0.2	3.10	7	146	0.8	2	0.21	0.2	31	7	12	14	4.04	0.21	14	9	0.75	418	1	0.04	9	0.29	7	22	0.44	156	100	
235	9550	5	0.4	3.32	6	128	1.3	2	1.32	0.2	70	48	4	21	7.21	0.19	25	12	1.06	3839	1	0.03	9	0.21	7	40	0.44	223	154	
236	19400N-9575E	5	0.4	4.80	2	150	1.4	2	1.42	0.2	58	30	4	23	8.07	0.37	21	20	2.19	2311	1	0.04	11	0.17	3	37	0.74	297	173	
237	19400N-9600E	5	0.2	4.70	4	175	1.4	2	1.41	0.2	61	34	5	25	8.40	0.38	22	18	2.30	2355	1	0.04	13	0.17	3	33	0.81	309	181	
238	9625	5	0.2	4.65	3	149	1.3	2	1.81	0.2	59	31	4	25	8.63	0.28	22	17	2.29	2004	1	0.04	11	0.17	4	42	0.87	338	177	
239	9650	5	0.6	4.43	3	167	1.3	2	2.03	0.2	56	38	3	25	8.62	0.23	21	15	1.87	2663	1	0.03	11	0.16	3	55	0.74	308	167	
240	9675	5	0.2	3.88	9	186	1.3	2	1.78	0.2	54	47	4	28	8.81	0.21	21	14	1.92	3775	2	0.04	14	0.16	3	47	0.64	288	200	
241	19400N-9700E	5	0.2	4.33	12	172	1.6	2	2.13	0.2	60	42	5	31	8.46	0.22	22	17	2.21	3201	4	0.04	18	0.16	4	54	0.75	310	191	
242	19400N-9725E	5	0.2	4.99	6	148	1.3	2	2.60	0.2	55	33	3	26	8.36	0.23	21	15	2.26	1984	2	0.04	13	0.18	2	80	0.79	310	170	
243	9750	5	0.2	5.23	7	151	1.4	2	2.42	0.2	55	37	3	26	9.16	0.27	21	19	2.82	2548	3	0.03	15	0.17	2	56	0.84	331	185	
244	9775	5	0.2	5.07	8	179	1.4	2	2.20	0.2	57	40	3	25	8.70	0.32	20	17	2.34	2989	3	0.03	16	0.14	3	61	0.73	303	174	
245	9800	5	0.4	5.35	3	185	1.6	2	1.51	0.2	55	52	2	19	7.37	0.56	19	18	2.23	3747	1	0.02	11	0.12	2	36	0.37	320	158	
246	19400N-9825E	5	0.2	5.44	2	218	1.8	2	1.84	0.2	55	55	3	21	7.65	0.46	19	19	2.01	4223	1	0.03	11	0.12	5	43	0.39	296	177	
247	19400N-9850E	5	0.2	4.46	3	221	1.5	2	1.74	0.2	60	47	4	25	8.45	0.33	22	15	2.11	4423	1	0.04	14	0.13	2	54	0.63	292	198	
248	9875	5	0.4	5.03	8	266	1.4	2	1.45	0.3	58	54	3	22	8.63	0.55	21	14	2.74	6088	1	0.03	21	0.14	2	39	0.52	322	168	
249	9900	5	0.2	5.08	6	271	1.6	2	1.50	0.2	59	55	4	24	8.97	0.77	21	13	2.66	6220	2	0.03	22	0.15	4	31	0.67	344	170	
251	9925	5	0.4	4.22	12	284	1.6	2	1.07	0.2	61	49	7	28	8.39	0.51	26	15	2.13	7242	4	0.03	22	0.12	4	38	0.41	296	162	
252	19400N-9950E	5	0.2	4.08	6	226	1.5	2	0.46	0.2	64	33	12	21	6.44	0.38	26	13	1.64	3258	1	0.06	17	0.19	3	25	0.30	212	145	
253	19400N-9975E	5	0.2	3.95	3	240	1.5	2	0.32	0.2	56	20	24	22	6.16	0.43	24	13	1.48	1631	2	0.04	24	0.14	5	26	0.41	175	144	
254	10000	5	0.2	3.85	7	236	1.7	2	0.41	0.2	68	19	19	22	5.67	0.39	31	12	1.09	1857	1	0.08	18	0.24	6	29	0.42	158	137	
255	10025	5	0.2	4.27	5	263	1.8	2	0.56	0.2	70	18	18	23	5.96	0.44	34	14	1.22	1735	1	0.08	19	0.23	9	36	0.42	167	150	
256	10050	5	0.2	3.64	4	195	1.5	2	0.54	0.2	63	23	15	21	6.05	0.37	25	14	1.47	2007	1	0.12	18	0.17	3	32	0.46	173	149	
257	19400N-10075E	5	0.4	4.34	4	222	1.5	3	0.69	0.2	63	26	9	23	6.57	0.39	21	16	2.13	2255	1	0.06	16	0.20	6	29	0.45	201	173	
258	19400N-10100E	5	0.4	4.06	4	239	1.5	3	0.68	0.2	68	19	26	23	6.06	0.46	28	14	1.52	1581	1	0.05	23	0.16	6	34	0.45	172	147	
259	10125	5	0.2	4.36	2	261	1.7	2	0.69	0.2	65	19	21	23	6.17	0.50	28	14	1.59	1646	1	0.05	21	0.18	3	27	0.55	177	154	
260	10150	5	0.2	3.98	5	234	1.6	3	0.83	0.2	69	18	25	22	6.03	0.51	27	14	1.64	1473	1	0.05	21	0.14	3	32	0.53	168	145	
261	19400N-10175E	5	0.2	3.68	10	247	1.7	3	0.81	0.2	60	24	28	27	6.18	0.49	27	15	1.56	1919	3	0.04	20	0.14	2	37	0.50	177	149	

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Tl %	V ppm	Zn ppm	09-008 Pg. 7 of 9
262	19400N-10200E	5	0.2	3.92	5	239	1.7	4	0.84	0.2	62	18	21	22	5.97	0.52	27	14	1.55	1517	1	0.05	19	0.14	2	33	0.50	166	144	
263	19400N-10225E	5	0.4	4.04	10	223	2.5	3	0.43	0.3	91	20	16	32	5.67	0.32	35	14	0.87	1811	1	0.11	20	0.19	5	32	0.43	142	155	
264	10250	5	0.2	3.44	7	189	1.6	3	0.78	0.2	64	19	28	26	5.88	0.36	25	15	1.20	1236	1	0.06	22	0.12	2	41	0.53	179	153	
265	10275	5	0.2	3.42	8	167	1.6	2	0.50	0.2	56	17	35	25	5.60	0.30	23	16	1.24	947	1	0.06	26	0.10	3	33	0.50	168	147	
266	10300	5	0.2	3.50	5	174	1.8	2	0.45	0.2	60	16	36	25	5.40	0.29	26	15	1.05	988	1	0.06	25	0.12	3	34	0.51	160	147	
267	19400N-10325E	5	0.2	3.44	6	169	1.8	2	0.55	0.2	71	17	34	26	5.58	0.27	30	14	1.12	1182	1	0.08	26	0.12	2	37	0.50	161	139	
268	19400N-10350E	5	0.4	3.58	7	174	1.7	2	0.49	0.2	66	21	27	28	5.78	0.28	26	15	1.01	1568	1	0.10	23	0.15	3	34	0.52	165	156	
269	10375	5	0.4	3.22	11	160	1.5	3	0.81	0.2	55	17	35	27	5.68	0.30	23	15	1.28	926	1	0.06	24	0.11	2	43	0.52	176	147	
270	10400	5	0.2	3.52	10	91	1.8	2	1.11	0.2	67	19	6	21	6.97	0.16	25	18	1.98	1253	1	0.06	15	0.13	2	40	0.62	185	162	
271	10425	5	0.2	3.44	6	92	1.7	3	1.33	0.2	61	24	11	29	6.78	0.17	22	18	1.83	1339	2	0.06	18	0.12	6	39	0.55	204	147	
272	19400N-10450E	5	0.4	3.26	8	182	1.7	2	0.85	0.2	63	17	42	28	5.09	0.38	24	16	1.07	1104	1	0.06	30	0.10	8	60	0.34	121	144	
273	19400N-10475E	5	0.2	3.17	8	161	1.5	2	0.96	0.2	59	18	36	26	5.32	0.34	21	16	1.14	1211	1	0.05	24	0.11	5	53	0.39	136	144	
274	19400N-10500E	5	0.2	3.26	8	181	1.6	2	0.89	0.2	63	17	39	26	5.23	0.36	24	16	1.08	1230	1	0.05	25	0.11	7	53	0.39	133	146	
275	19600N-9500E	5	0.2	3.43	8	195	2.5	2	0.37	0.4	89	15	24	23	5.36	0.38	38	13	0.73	1633	2	0.08	14	0.20	11	28	0.34	118	157	
276	9525	5	0.4	3.83	10	160	1.6	3	0.72	0.3	70	18	17	19	5.67	0.58	28	14	1.58	1282	1	0.04	13	0.11	10	31	0.45	142	147	
277	19600N-9550E	5	0.2	3.82	9	162	1.7	3	0.62	0.4	75	16	17	18	5.18	0.68	31	13	1.38	1251	1	0.03	14	0.11	9	32	0.40	124	146	
278	19600N-9575E	5	0.2	3.32	7	148	1.6	3	0.78	0.4	69	20	25	23	5.64	0.31	25	13	1.29	1330	1	0.05	23	0.12	8	31	0.54	170	150	
279	9600	5	0.2	3.09	8	137	1.5	2	0.76	0.2	64	19	25	23	5.51	0.28	23	13	1.28	1218	1	0.05	23	0.11	5	29	0.53	169	147	
280	9625	5	0.2	3.39	7	163	1.6	3	0.80	0.4	76	20	27	23	5.73	0.29	25	13	1.28	1388	1	0.05	24	0.12	7	32	0.54	173	152	
281	9650	5	0.2	3.49	11	170	2.0	3	0.74	0.3	78	23	27	30	5.84	0.28	30	15	1.27	1523	2	0.04	26	0.14	9	33	0.53	183	154	
282	19600N-9675E	5	0.2	4.34	7	221	1.7	3	0.90	0.2	81	34	17	32	6.72	0.28	29	17	1.31	2474	2	0.04	20	0.22	6	38	0.48	226	171	
283	19600N-9700E	5	0.2	4.00	7	123	1.6	3	1.37	0.3	81	22	9	23	5.63	0.26	29	14	1.35	1500	1	0.04	14	0.09	9	51	0.43	169	149	
284	9725	5	0.2	4.80	2	118	1.4	4	2.14	0.4	58	19	8	22	5.24	0.25	20	13	1.22	1188	1	0.03	14	0.08	9	92	0.39	148	126	
285	9750	5	0.2	2.97	3	92	1.6	2	0.47	0.2	45	14	12	16	4.80	0.16	18	9	0.60	1500	1	0.05	9	0.24	4	21	0.42	124	120	
286	9775	5	0.4	4.10	8	150	1.6	2	0.86	0.2	72	26	19	26	6.72	0.30	25	15	1.32	2063	1	0.05	18	0.21	4	33	0.56	223	159	
287	19600N-9800E	5	0.2	4.26	5	185	1.5	2	0.70	0.3	61	30	15	21	6.74	0.33	19	16	1.38	2572	1	0.05	18	0.20	7	27	0.66	198	177	
288	19600N-9825E	5	0.4	3.51	2	129	1.6	2	0.50	0.2	59	26	14	17	5.97	0.26	22	11	0.87	2505	1	0.06	12	0.30	3	26	0.53	162	138	
289	9850	5	0.2	3.93	2	158	1.6	2	0.66	0.2	71	40	13	21	6.69	0.33	25	13	0.96	3319	2	0.05	14	0.33	6	33	0.56	195	167	
290	9875	5	0.2	4.00	3	166	1.5	2	0.88	0.2	67	38	14	20	7.32	0.28	24	13	1.05	3455	1	0.05	15	0.22	7	40	0.67	209	180	
291	9900	5	0.2	3.15	4	91	2.0	2	0.30	0.2	49	16	14	20	4.80	0.18	22	8	0.49	1806	3	0.08	11	0.25	5	19	0.48	115	93	
292	19600N-9925E	5	0.2	4.17	8	158	1.5	3	0.69	0.2	55	22	12	21	6.51	0.32	25	13	1.27	2000	2	0.06	14	0.22	4	28	0.63	203	141	
293	19600N-9950E	5	0.4	3.79	5	178	1.3	3	0.69	0.2	47	20	9	19	6.06	0.25	20	12	1.19	1715	2	0.04	11	0.25	4	32	0.59	203	140	
294	9975	5	0.2	4.70	6	253	1.9	2	0.30	0.2	57	17	17	22	6.20	0.33	25	13	0.88	1804	3	0.06	17	0.29	7	25	0.50	181	153	
295	10000	5	0.2	3.08	10	183	1.3	2	0.69	0.2	55	19	27	23	5.59	0.33	23	11	1.07	1204	1	0.04	15	0.12	5	37	0.49	173	143	
296	10025	5	0.2	3.43	10	181	1.5	2	0.67	0.2	52	15	30	23	5.72	0.43	24	13	1.22	966	1	0.04	16	0.12	6	41	0.49	160	147	
297	19600N-10050E	5	0.2	3.67	6	199	1.7	2	0.74	0.2	58	16	29	24	5.86	0.48	24	13	1.29	1174	1	0.05	17	0.12	5	39	0.52	162	154	
298	19600N-10075E	5	0.2	3.88	4	229	1.8	2	0.78	0.2	65	18	25	25	5.99	0.48	29	14	1.33	1414	1	0.06	19	0.13	5	41	0.52	162	162	
299	10100	5	0.2	3.56	12	192	1.8	2	0.88	0.2	62	16	31	24	5.90	0.49	26	14	1.34	1157	1	0.06	20	0.12	5	41	0.55	163	155	
302	10125	5	0.2	3.74	8	205	1.9	2	0.82	0.2	63	15	28	25	5.76	0.48	27	15	1.23	1195	1	0.07	19	0.12	6	47	0.50	156	156	
303	10150	5	0.2	3.75	11	185	1.8	2	0.90	0.2	59	15	29	25	5.94	0.47	26	14	1.32	1120	1	0.06	19	0.12	3	46	0.57	174	157	
304	19600N-10175E	5	0.2	3.92	10	189	1.9	2	0.89	0.2	61	16	28	26	6.28	0.42	26	15	1.37	1175	1	0.06	19	0.12	5	46	0.63	187	166	
305	19600N-10200E	5	0.2	3.68	8	193	1.8	2	0.97	0.2	55	17	22	25	5.84	0.47	23	15	1.35	1345	1	0.05	17	0.12	4	51	0.58	173	159	
306	19600N-10225E	5	0.2	3.38	10	189	1.8	2	0.77	0.2	55	16	25	25	5.16	0.31	24	14	0.99	1227	1	0.07	19	0.10	6	49	0.44	148	148	

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm	09-008 Pg. 8 of 9
307	19600N-10250E	5	0.2	4.06	8	242	1.8	2	0.81	0.2	60	21	36	32	5.78	0.54	26	17	1.08	1693	1	0.07	25	0.12	7	57	0.45	172	178	
308	10275	5	0.2	3.61	9	185	1.8	2	0.81	0.2	57	18	33	28	5.87	0.38	25	15	1.18	1208	1	0.08	23	0.10	7	52	0.50	185	158	
309	19600N-10300E	5	0.2	3.87	11	186	1.9	2	0.90	0.2	62	20	32	30	6.40	0.39	26	17	1.28	1334	1	0.07	24	0.11	6	58	0.56	203	168	
310	19600N-10325E	5	0.2	3.49	7	175	1.7	2	0.87	0.2	61	19	39	29	6.12	0.36	24	16	1.23	1181	1	0.07	27	0.11	6	55	0.52	197	162	
311	10350	5	0.2	3.41	9	148	2.1	3	0.86	0.2	64	26	27	35	6.19	0.31	26	18	1.26	1509	3	0.05	25	0.10	11	59	0.50	201	162	
312	10375	5	0.2	3.57	7	171	1.9	2	0.53	0.2	63	18	37	28	5.56	0.35	27	17	1.08	1031	2	0.06	26	0.10	7	37	0.50	166	158	
313	10400	5	0.2	3.31	8	151	1.7	2	0.68	0.2	60	20	44	26	5.69	0.35	26	16	1.15	995	1	0.05	27	0.09	6	44	0.53	176	151	
314	19600N-10425E	5	0.2	3.58	9	172	1.8	2	0.66	0.2	62	19	50	32	5.83	0.34	27	17	1.16	998	1	0.06	32	0.09	6	44	0.54	182	162	
315	19600N-10450E	5	0.2	3.79	4	166	1.9	2	0.43	0.2	61	15	30	24	4.88	0.35	28	19	0.84	955	1	0.06	21	0.09	6	39	0.40	123	146	
316	10475	5	0.2	3.26	7	168	1.9	2	0.57	0.2	64	13	40	22	4.77	0.40	30	14	0.93	762	1	0.06	21	0.07	6	49	0.41	119	136	
317	19600N-10500E	5	0.2	3.56	9	179	2.0	2	0.79	0.2	73	16	38	27	5.23	0.40	30	18	1.08	1153	1	0.07	27	0.09	7	61	0.42	137	161	
318	19750N-9500E	5	0.2	4.82	9	359	1.9	2	0.63	0.3	72	12	9	14	4.01	1.12	26	14	1.36	943	1	0.03	9	0.12	7	46	0.33	79	136	
319	19750N-9525E	5	0.2	3.92	2	436	1.5	2	0.97	0.4	49	9	7	13	3.37	0.95	19	10	1.09	1225	1	0.03	6	0.15	6	98	0.21	61	149	
320	19750N-9550E	5	0.2	4.86	2	828	2.3	2	0.82	0.2	85	10	10	17	4.47	0.87	33	16	1.36	1368	1	0.05	10	0.13	10	284	0.26	76	139	
321	9575	5	0.2	2.55	10	179	1.6	2	0.71	0.3	51	17	11	21	4.17	0.29	20	10	0.77	1401	2	0.05	10	0.25	8	31	0.24	115	155	
322	9600	5	0.2	4.26	2	321	1.7	2	0.62	0.4	66	8	7	13	3.25	1.06	28	11	1.21	1050	1	0.02	9	0.08	13	81	0.23	54	125	
323	9625	5	0.2	3.92	3	293	1.6	2	0.56	0.5	58	5	4	8	2.61	1.27	25	9	1.25	750	1	0.01	4	0.08	12	79	0.18	26	110	
324	19750N-9650E	5	0.2	1.94	4	163	0.9	2	0.39	0.2	34	17	12	12	3.62	0.27	13	6	0.45	2170	1	0.05	7	0.31	7	22	0.26	75	94	
325	19750N-9675E	5	0.2	4.44	5	134	2.0	2	0.45	0.2	77	12	3	13	4.49	1.11	32	14	2.16	1095	1	0.02	5	0.05	11	20	0.22	59	114	
326	9700	5	0.2	3.32	20	185	1.5	2	0.60	0.2	85	25	21	26	6.51	0.24	31	16	1.41	2637	1	0.04	19	0.12	10	24	0.44	168	152	
327	9725	5	0.2	2.84	12	165	1.4	2	0.92	0.2	77	24	19	23	5.44	0.27	28	13	0.95	3567	1	0.05	15	0.22	12	31	0.29	113	145	
328	9750	5	0.2	3.26	12	157	1.7	2	0.45	0.2	69	18	42	24	5.35	0.39	26	13	0.97	1346	1	0.05	26	0.15	11	31	0.44	134	156	
329	19750N-9775E	5	0.2	3.03	10	165	1.5	3	0.58	0.2	66	16	37	22	5.11	0.36	28	12	1.03	1078	1	0.05	20	0.11	6	31	0.47	148	138	
330	19750N-9800E	5	0.2	1.86	5	215	0.9	2	0.41	0.3	43	21	16	16	3.41	0.27	15	6	0.38	3860	1	0.06	9	0.27	8	29	0.25	98	98	
331	9825	5	0.2	2.72	7	160	1.8	2	0.61	0.2	68	17	25	26	4.90	0.24	29	11	0.90	1159	2	0.05	18	0.10	9	33	0.52	165	122	
332	9850	5	0.2	2.34	7	135	1.2	2	0.75	0.2	47	12	29	21	4.51	0.22	21	9	0.92	707	1	0.04	18	0.09	6	35	0.54	154	114	
333	9875	5	0.2	2.68	3	143	1.4	2	0.89	0.2	53	15	27	23	5.02	0.29	23	10	1.02	866	1	0.05	19	0.10	4	39	0.57	165	133	
334	19750N-9900E	5	0.2	3.11	5	158	1.6	2	0.80	0.2	58	14	30	25	5.36	0.28	25	11	1.01	915	1	0.06	19	0.10	6	40	0.58	172	140	
335	19750N-9925E	5	0.2	3.95	5	196	1.7	2	0.65	0.2	62	18	18	24	6.02	0.39	21	14	1.24	1334	1	0.06	20	0.15	4	34	0.58	195	151	
336	9950	5	0.2	3.35	7	162	1.5	2	1.01	0.2	56	17	24	25	5.88	0.32	23	13	1.29	1184	1	0.05	21	0.11	4	45	0.60	185	142	
337	9975	5	0.2	2.75	3	118	1.5	2	0.56	0.2	50	15	15	19	5.18	0.22	19	10	0.93	1318	1	0.08	14	0.16	3	25	0.54	149	124	
338	10000	5	0.2	3.46	3	171	1.6	2	0.64	0.2	57	20	23	22	5.71	0.26	23	12	1.07	1757	1	0.05	18	0.13	5	37	0.51	169	134	
339	19750N-10025E	5	0.2	2.51	6	138	1.3	2	0.94	0.2	52	20	19	22	5.19	0.25	19	10	1.01	1358	1	0.05	13	0.10	4	41	0.57	178	131	
340	19750N-10050E	5	0.2	2.99	3	111	1.8	2	0.40	0.2	50	13	14	18	5.06	0.20	20	9	0.73	1303	1	0.10	10	0.19	2	23	0.46	139	107	
341	10075	5	0.2	2.96	14	146	1.8	3	0.95	0.2	66	24	21	27	5.50	0.28	28	13	1.28	1280	2	0.04	21	0.11	10	44	0.55	182	135	
342	10100	75	0.2	3.48	10	176	1.7	2	0.69	0.2	55	18	33	27	5.86	0.40	25	13	1.22	1039	1	0.05	21	0.12	7	43	0.47	177	149	
343	10125	5	0.2	3.51	8	178	1.5	2	0.63	0.2	51	17	29	25	5.69	0.41	22	12	1.26	979	1	0.04	19	0.12	6	38	0.46	173	143	
344	19750N-10150E	5	0.2	3.96	5	202	1.9	2	0.61	0.2	63	18	26	28	5.94	0.31	27	15	1.24	1218	1	0.06	22	0.12	8	40	0.46	186	155	
345	19750N-10175E	5	0.2	3.66	10	188	1.6	2	0.72	0.2	60	18	34	27	5.97	0.44	24	13	1.31	1185	1	0.05	21	0.12	7	42	0.50	179	150	
346	10200	5	0.2	3.82	11	180	1.7	2	0.70	0.2	57	21	30	27	5.98	0.42	21	15	1.29	1562	1	0.05	21	0.12	6	42	0.48	175	156	
347	10225	5	0.4	3.69	27	159	1.6	2	0.80	0.2	53	25	24	28	6.22	0.37	19	16	1.43	1718	1	0.05	20	0.12	6	42	0.53	190	154	
348	10250	5	0.4	3.97	14	214	2.1	2	0.57	0.2	65	22	18	32	5.87	0.33	26	15	1.11	1547	1	0.09	22	0.14	8	37	0.48	171	169	
349	19750N-10275E	5	0.4	4.16	3	241	1.8	2	0.69	0.2	70	26	25	36	5.22	0.46	29	17	1.20	1848	1	0.06	26	0.12	8	51	0.44	172	175	
351	19750N-10300E	5	0.2	3.37	10	202	2.2	3	0.88	0.2	70	19	23	33	5.17	0.38	31	17	1.23	1240	3	0.07	25	0.10	11	48	0.46	170	161	

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Tl %	V ppm	Zn ppm	09-008 Pg. 9 of 9
352	19750N-10450E	5	0.2	3.17	7	166	2.0	2	0.70	0.2	69	13	27	25	4.66	0.36	31	14	0.98	814	1	0.06	20	0.09	10	47	0.40	132	142	
353	10475	5	0.4	3.45	4	180	2.1	2	0.72	0.2	70	16	33	28	5.17	0.40	31	16	1.09	945	1	0.07	23	0.09	7	46	0.43	148	156	
354	19750N-10500E	5	0.2	3.21	11	156	2.2	3	0.77	0.2	73	17	38	27	5.22	0.37	31	16	1.08	1004	1	0.06	23	0.09	9	47	0.44	146	157	

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: BALL CREEK

CODE : 9008-081

Project No. : 289
Material : 78 SOILS
Remarks : 38 SILTS

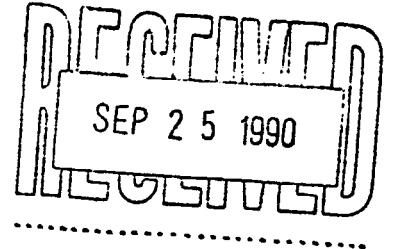
Sheet: 1 of 2
Geol.: T.C.

Date rec'd: AUG 20
Date compl: SEP 18

Values in PPM, except where noted.

T.T. No.	SAMPLE No.	PPB Au
83	11200N-10525E	5
84	10550	5
85	10575	5
86	10600	5
87	10625	5
88	10650	5
89	10675	5
90	10700	5
91	10725	5
92	10750	5
93	10775	5
94	10800	5
95	10825	5
96	10850	5
97	10875	5
98	10900	5
99	10925	5
100	10950	5
1	10975	5
2	11200N-11000E	5
3	11400N-10525E	5
4	10550	5
5	10575	5
6	10600	5
7	10625	5
8	10650	5
9	10675	5
10	10700	5
11	10725	5
12	10750	5
13	10775	5
14	10800	5
15	10825	5
16	10850	5
17	10875	5
18	10900	5
19	10925	5
20	10975	5
21	11400N-11000E	5
22	11600N-10550E	5
23	10575	5
24	10600	5
25	10625	5
26	10650	5
27	10675	5
28	10700	5
29	10725	5
30	10750	5
31	10775	5
32	10800	5
33	10825	5
34	10850	5
35	10875	5
36	10900	5
37	10925	5
38	10950	5
39	10975	5
40	11600N-11000E	5
41	11800N-10525E	5
42	10550	5
43	10575	5
44	11800N-10600E	5

(* SIGNIFIES -35 MESH)



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* 5.0g

T.T. No.	SAMPLE No.	PPB Au
45	11800N-10625E	5
46	10650	5
47	10675	5
48	10700	5
49	10725	5
50	10750	5
52	10775	5
53	10800	5
54	10825	5
55	10850	5
56	10875	5
57	10900	5
58	10925	5
59	10950	5
60	10975	5
61	11800N-11000E	5
62	SILT 104352	5
63	104353	5
64	104354	5
65	104356	5
66	104357	5 *
67	104358	5
68	104359	5
69	104360	5
70	104361	5
71	104362	5
72	105442	5
73	105443	5
74	105445	5
75	105446	5
76	105447	5
77	105450	5
78	105485	5 *
79	105894	5
80	105897	5
81	105899	5
82	105900	5
83	106812 - PLB	5 *
84	106814 - PLB	5
85	106815	5
86	106817 - PLB 4	5
87	106819	5
88	106820	5
89	106953	5
90	106954	5
91	129606	5 *
92	129212 off	5
93	129213 off	45 *
94	129214 off	80
95	129218	40
96	129219	5
97	129221	5
98	129222	5
99	SILT 129223	5

PLB 4

← 521

off
off
off

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9008-081-289 File # 90-4453 Page 1

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
11200N 10525E	7	48	21	406	.5	34	19	1250	6.01	16	5	ND	1	22	2.1	3	2	156	.79	.075	19	15	.94	94	.32	4	2.52	.01	.04	1
11200N 10550E	32	90	41	1309	.9	125	19	1528	5.21	40	5	ND	1	17	12.0	4	2	87	.59	.100	16	7	.65	105	.06	5	1.44	.01	.06	1
11200N 10575E	8	48	26	1209	1.0	77	7	1290	2.54	12	8	ND	4	16	14.3	2	4	31	.53	.034	55	1	.61	169	.01	4	1.22	.01	.13	1
11200N 10600E	53	117	42	1482	.8	124	25	1531	6.15	53	5	ND	1	33	11.4	6	2	114	.25	.089	12	7	.75	217	.01	4	1.83	.01	.07	1
11200N 10625E	18	55	18	935	.8	54	18	1296	5.95	32	5	ND	2	14	6.3	3	2	102	.18	.111	15	13	.79	189	.04	5	2.07	.01	.07	1
11200N 10650E	17	52	19	817	.6	53	20	1638	6.19	29	5	ND	2	23	6.3	5	2	111	.27	.125	15	11	.84	236	.02	4	2.21	.01	.07	1
11200N 10675E	12	50	18	566	.5	39	27	2087	7.54	23	5	ND	2	14	2.9	2	2	128	.14	.162	17	14	.93	181	.05	3	3.28	.01	.08	1
11200N 10700E	6	35	18	385	.5	26	15	1083	5.76	18	5	ND	1	15	1.1	2	2	92	.23	.145	20	18	.81	118	.10	5	3.02	.02	.08	1
11200N 10725E	3	16	12	324	.2	15	21	1741	7.50	4	7	ND	2	22	1.2	2	2	115	.24	.111	22	8	1.23	227	.01	3	3.57	.01	.06	1
11200N 10750E	8	44	14	688	.6	33	17	1297	5.37	23	5	ND	3	24	6.1	4	2	81	.33	.124	13	10	.68	187	.01	6	1.85	.01	.09	1
11200N 10775E	11	44	21	577	.6	33	17	1470	5.83	24	5	ND	1	14	2.4	3	2	94	.16	.121	15	15	.83	127	.04	5	2.29	.01	.07	1
11200N 10800E	22	58	21	929	1.0	54	21	1248	6.16	37	5	ND	2	52	7.2	3	2	101	.33	.132	15	11	.73	248	.02	4	2.02	.01	.09	1
11200N 10825E	14	42	16	515	.7	32	15	861	6.29	20	5	ND	1	14	1.0	4	2	108	.13	.106	14	18	.81	107	.08	5	2.51	.01	.07	1
11200N 10850E	25	58	24	786	1.0	52	20	1555	5.95	34	5	ND	1	24	5.1	3	2	102	.20	.144	16	12	.71	193	.04	5	2.22	.01	.08	1
11200N 10875E	18	49	18	509	.8	38	19	1026	7.05	24	5	ND	2	14	1.7	3	2	111	.10	.123	15	17	.76	104	.12	4	2.46	.01	.06	1
11200N 10900E	17	44	24	551	.9	28	13	639	7.79	31	5	ND	2	7	1.3	5	2	104	.03	.152	8	11	.57	210	.02	3	1.85	.01	.10	1
11200N 10925E	16	52	17	850	.5	57	17	1082	6.31	27	5	ND	2	27	5.8	4	2	108	.40	.132	12	13	.84	153	.08	5	2.10	.01	.07	1
11200N 10950E	12	60	15	1015	1.0	51	19	1492	5.68	42	5	ND	2	58	15.4	3	2	83	.70	.174	14	13	.67	217	.01	5	1.75	.01	.11	1
11200N 10975E	15	74	21	759	.7	59	26	1881	6.68	26	5	ND	2	39	7.5	2	2	137	1.13	.094	12	17	.90	154	.27	3	2.20	.01	.06	1
11200N 11000E	12	66	20	584	.5	48	26	2145	6.37	22	5	ND	1	35	4.7	2	2	142	1.52	.094	11	16	.90	137	.28	4	2.25	.01	.06	1
11400N 10525E	3	29	8	136	.2	15	13	1117	5.53	4	9	ND	1	11	.4	2	2	105	.24	.067	11	16	.54	63	.37	4	2.81	.02	.03	1
11400N 10550E	2	40	7	225	.3	18	24	1645	5.66	3	5	ND	1	15	1.6	2	2	156	.86	.060	11	16	.92	73	.43	4	3.21	.01	.02	1
11400N 10575E	4	31	13	169	.3	17	15	1053	6.49	8	5	ND	1	8	.3	2	2	134	.16	.070	10	18	.63	52	.29	4	2.69	.01	.03	1
11400N 10600E	3	28	13	225	.6	24	15	1115	5.74	6	9	ND	1	13	1.1	2	2	74	.50	.093	55	25	.44	53	.25	4	3.52	.02	.04	1
11400N 10625E	12	57	22	534	.6	50	18	1274	5.32	19	5	ND	1	17	2.9	2	2	109	.82	.090	14	12	.82	83	.20	3	1.93	.01	.06	1
11400N 10650E	22	60	25	873	.7	67	14	1271	4.96	29	5	ND	1	14	5.3	3	2	80	.31	.089	21	10	.71	134	.03	6	1.88	.01	.07	1
11400N 10675E	16	32	18	303	1.3	27	9	547	3.46	7	5	ND	1	58	11.3	2	2	81	1.57	.115	20	11	.49	212	.02	4	1.90	.01	.05	1
11400N 10700E	6	21	14	159	.8	16	8	692	4.55	6	5	ND	1	9	.4	2	2	84	.13	.099	9	13	.40	66	.14	4	1.83	.01	.04	1
11400N 10725E	5	14	16	105	1.2	6	3	237	2.85	4	5	ND	1	21	1.8	2	2	66	.25	.069	5	14	.17	78	.24	3	1.15	.01	.04	1
11400N 10750E	5	20	14	104	.9	9	8	1159	5.09	6	5	ND	1	8	.7	2	2	71	.08	.111	14	16	.22	64	.14	4	2.47	.01	.04	1
11400N 10775E	4	24	13	75	.4	8	7	467	6.35	3	7	ND	2	7	.2	2	2	87	.11	.075	11	18	.19	36	.50	4	2.95	.02	.02	1
11400N 10800E	4	29	15	92	.3	10	8	579	6.21	3	7	ND	2	9	.2	2	2	115	.11	.060	10	20	.28	50	.55	4	2.17	.02	.02	1
11400N 10825E	5	25	16	97	.4	9	10	1251	7.06	2	6	ND	2	10	.2	2	2	109	.13	.063	7	15	.22	58	.59	2	1.89	.02	.03	1
11400N 10850E	4	22	17	101	.5	9	6	598	3.92	6	5	ND	1	10	.2	2	2	86	.11	.088	8	16	.29	59	.23	5	2.07	.02	.04	1
11400N 10875E	5	21	17	116	.5	10	6	364	3.97	3	5	ND	1	10	.3	2	2	84	.12	.105	7	15	.35	53	.17	4	1.41	.01	.06	1
11400N 10900E	6	27	15	241	.4	17	13	1194	5.53	11	8	ND	1	12	.8	2	2	98	.32	.105	21	16	.52	82	.16	4	2.77	.02	.05	1
STANDARD C	17	60	37	130	6.9	68	31	1050	3.97	39	20	7	39	53	18.2	15	20	57	.52	.090	36	56	.90	179	.09	36	1.89	.06	.14	13

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: PULP

DATE RECEIVED: SEP 14 1990

DATE REPORT MAILED: *Sept 20/90*SIGNED BY: *D. Toye* 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
11400N 10925E	14	42	24	561	.6	41	20	1439	6.56	28	5	ND	2	21	3.8	5	2	101	.38	.107	14	14	.82	109	.14	2	2.19	.01	.06	1
11400N 10975E	8	32	26	328	.5	24	20	1653	4.90	15	5	ND	1	30	3.1	3	2	100	1.03	.150	6	14	.72	102	.08	2	1.78	.01	.08	1
11400N 11000E	9	36	22	338	.3	27	14	918	4.80	18	5	ND	1	30	1.5	3	2	97	.84	.117	10	15	.82	106	.09	2	2.06	.01	.08	1
11600N 10550E	6	45	31	389	.3	36	35	2491	7.74	35	5	ND	2	28	2.3	4	2	152	.62	.092	8	28	1.04	70	.36	2	3.36	.02	.04	1
11600N 10575E	1	24	14	168	.1	22	33	1441	7.44	14	5	ND	1	27	.9	3	2	172	1.27	.051	5	53	1.80	36	.54	2	4.87	.01	.02	1
11600N 10600E	3	10	16	141	.2	13	16	1214	5.67	9	5	ND	3	17	.7	2	2	110	.22	.052	12	21	.60	65	.32	3	3.34	.02	.03	1
11600N 10625E	5	22	19	309	.3	24	14	1423	5.38	15	5	ND	3	20	1.2	2	2	109	.38	.081	18	19	.62	51	.29	3	3.56	.03	.04	1
11600N 10650E	5	21	15	247	.1	24	21	1651	5.84	13	5	ND	4	28	1.1	2	2	116	.52	.090	14	18	.81	54	.36	7	3.53	.03	.05	1
11600N 10675E	5	25	15	219	.2	20	18	1524	5.72	20	5	ND	4	30	.7	4	2	111	.39	.092	21	18	.68	57	.33	6	3.47	.04	.05	2
11600N 10700E	4	17	18	196	.1	19	16	1062	5.61	16	5	ND	3	22	.7	2	2	121	.39	.071	8	17	.73	68	.32	2	2.96	.01	.03	2
11600N 10725E	5	7	6	99	.1	11	10	706	5.34	9	5	ND	4	11	.2	2	2	74	.19	.078	20	18	.34	31	.36	4	3.84	.02	.03	2
11600N 10750E	3	23	13	241	.2	25	23	1719	6.01	14	5	ND	1	25	1.6	2	2	140	1.16	.085	9	17	.94	76	.36	4	2.52	.01	.03	1
11600N 10775E	9	29	14	390	.4	31	19	1285	6.22	15	5	ND	3	14	1.5	4	2	131	.43	.090	15	15	.92	89	.25	2	2.70	.01	.04	1
11600N 10800E	10	31	23	392	.3	34	14	1033	6.13	22	5	ND	3	18	.9	4	2	103	.23	.109	14	15	.81	107	.26	2	2.67	.01	.05	1
11600N 10825E	9	23	22	307	.2	27	20	1487	6.87	16	5	ND	3	12	.6	2	2	102	.09	.112	17	13	.76	84	.30	2	3.27	.01	.03	1
11600N 10850E	1	19	6	114	.1	16	46	2264	9.36	6	5	ND	4	7	.8	2	2	218	.49	.115	14	18	1.53	43	.69	2	2.47	.01	.01	1
11600N 10875E	3	11	13	107	.1	11	15	1142	9.10	6	5	ND	4	11	.6	3	2	137	.12	.098	14	16	.82	49	.45	2	3.14	.02	.02	1
11600N 10900E	4	9	9	110	.2	14	11	905	5.72	12	5	ND	4	8	.2	2	2	103	.10	.067	13	19	.60	42	.33	3	2.74	.02	.03	1
11600N 10925E	4	15	10	111	.1	15	9	875	4.96	12	5	ND	3	7	.4	2	2	78	.12	.059	13	18	.50	32	.24	2	2.43	.03	.04	1
11600N 10950E	7	31	14	322	.3	30	33	1517	7.66	22	5	ND	2	25	1.4	4	2	138	.48	.092	8	17	.88	93	.30	2	2.86	.01	.03	1
11600N 10975E	4	9	12	82	.4	10	5	483	4.99	7	5	ND	2	6	.5	3	2	68	.10	.072	8	20	.29	41	.23	5	2.39	.02	.03	1
11600N 11000E	10	27	11	298	.2	25	9	794	5.66	12	5	ND	1	17	.6	3	2	111	.26	.118	8	20	.70	135	.09	2	2.80	.02	.05	1
11800N 10525E	4	23	15	241	.3	18	22	1757	6.80	16	5	ND	1	25	1.5	2	2	139	.74	.096	6	16	.74	94	.21	5	2.74	.01	.04	1
11800N 10550E	6	37	14	335	.3	30	23	1694	6.08	19	5	ND	3	44	1.8	5	2	144	.83	.085	11	17	.94	66	.37	2	3.29	.02	.05	1
11800N 10575E	4	39	17	282	.4	28	19	1287	5.89	16	5	ND	2	29	1.4	2	2	134	.73	.090	12	15	.93	156	.30	3	2.79	.02	.05	1
11800N 10600E	4	44	14	325	.4	29	26	2054	6.62	17	5	ND	3	24	1.5	3	2	157	.71	.104	12	15	1.06	103	.35	2	3.23	.01	.05	1
11800N 10625E	4	23	13	230	.1	19	21	1506	8.02	13	5	ND	1	30	1.3	5	2	201	.30	.056	9	21	.98	84	.36	2	4.02	.01	.02	2
11800N 10650E	4	31	15	268	.2	22	25	1694	6.29	36	5	ND	3	20	2.2	8	2	162	.64	.090	11	21	.94	85	.27	6	3.45	.01	.02	1
11800N 10675E	4	31	17	239	.2	24	26	2088	6.35	30	5	ND	1	28	1.6	4	2	151	.84	.095	12	18	.99	77	.30	10	3.24	.01	.03	2
11800N 10700E	5	36	11	287	.3	30	22	1469	6.07	27	5	ND	4	23	1.4	4	2	156	.73	.092	14	22	1.09	66	.45	5	3.16	.02	.05	1
11800N 10725E	3	34	14	267	.4	29	23	1512	6.14	18	5	ND	3	24	1.4	2	2	150	.70	.091	12	22	1.06	77	.43	3	2.95	.02	.05	1
11800N 10750E	4	36	19	259	.4	28	22	1419	5.76	18	5	ND	3	29	1.3	2	2	137	.78	.091	12	20	1.01	91	.38	4	2.76	.03	.06	1
11800N 10775E	3	32	14	243	.3	25	22	1361	6.07	15	5	ND	2	40	1.4	2	2	167	1.22	.082	6	19	1.16	70	.54	3	3.07	.02	.04	1
11800N 10800E	3	39	8	272	.4	28	25	1743	6.15	19	5	ND	2	40	2.2	2	2	167	1.02	.082	7	19	1.13	78	.48	3	2.89	.02	.03	1
11800N 10825E	4	39	8	271	.3	35	27	1755	6.23	15	5	ND	2	29	1.2	2	2	160	.74	.095	9	21	1.09	92	.40	4	2.97	.02	.04	1
11800N 10850E	6	41	14	344	.4	39	23	1374	5.53	22	5	ND	2	34	2.5	5	2	151	.94	.081	9	18	1.00	82	.39	6	2.32	.01	.04	1
STANDARD C	19	58	38	130	7.1	72	31	1046	3.97	41	21	7	39	52	18.9	15	20	56	.52	.093	37	57	.89	183	.09	37	1.89	.06	.13	11

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	Tl %	B ppm	Al %	Na %	K %	W ppm
11800N 10875E	8	54	11	442	.4	41	37	2183	8.83	29	5	ND	2	40	4.3	2	2	173	1.30	.104	13	24	1.47	101	.42	2	2.82	.02	.06	1
11800N 10900E	12	48	12	461	.4	39	26	1727	9.18	30	5	ND	3	86	2.2	4	2	156	.37	.138	12	18	1.25	110	.35	3	2.74	.03	.06	1
11800N 10925E	3	63	12	350	.3	38	58	2561	9.79	32	5	ND	2	75	2.7	2	2	221	1.68	.059	8	40	3.13	81	.43	2	4.19	.03	.05	1
11800N 10950E	4	59	10	392	.4	41	38	3664	8.36	26	5	ND	2	742	2.9	2	2	173	1.44	.089	12	27	1.96	644	.31	2	3.35	.03	.11	1
11800N 10975E	4	44	10	290	.3	31	36	2938	8.76	23	5	ND	3	35	1.7	2	2	190	1.03	.101	13	20	2.37	131	.42	2	3.65	.02	.06	1
11800N 11000E	5	21	12	172	.1	15	19	3180	7.28	14	5	ND	1	14	.8	2	2	128	.28	.091	9	20	.40	98	.46	2	2.18	.02	.04	1
104352	4	26	9	157	.3	12	6	297	3.02	17	5	ND	3	81	1.4	2	2	24	.18	.060	14	6	.17	303	.01	2	.66	.02	.14	1
104353	4	34	13	381	.4	24	12	747	3.50	23	5	ND	3	52	4.1	2	2	34	.31	.068	17	8	.34	153	.01	2	1.03	.02	.13	1
104354	6	35	10	428	.3	28	13	790	3.61	26	5	ND	3	63	5.1	2	2	33	.36	.074	14	7	.24	166	.01	2	.77	.01	.12	1
104356	3	16	16	185	.1	15	11	779	3.61	27	5	ND	3	62	1.1	3	2	22	.31	.072	14	5	.16	147	.01	4	.55	.03	.12	1
104357	2	17	12	211	.1	14	10	406	2.91	22	5	ND	3	51	1.6	3	2	22	.27	.063	14	4	.15	111	.01	3	.55	.02	.10	1
104358	16	42	20	622	.5	52	14	887	4.70	43	5	ND	4	75	6.4	4	2	41	.37	.090	16	6	.20	189	.01	3	.74	.03	.16	1
104359	7	39	11	494	.5	30	13	860	3.95	34	5	ND	3	63	5.8	3	2	37	.36	.084	15	6	.23	169	.01	2	.81	.01	.12	1
104360	3	24	10	288	.3	19	10	564	2.78	23	5	ND	3	64	3.5	3	2	21	.28	.056	12	5	.21	149	.01	3	.68	.02	.12	1
104361	6	46	14	390	.5	26	14	950	4.12	30	5	ND	3	62	6.9	2	2	36	.34	.082	17	7	.27	193	.01	3	.95	.02	.14	1
104362	5	27	16	323	.3	23	14	855	4.83	39	5	ND	3	62	3.3	3	2	36	.31	.089	18	5	.19	211	.01	2	.86	.03	.14	1
105442	3	41	11	315	.5	30	13	713	3.92	17	5	ND	3	71	3.7	3	3	42	.34	.084	19	13	.62	160	.01	2	1.35	.03	.14	1
105443	14	54	12	834	.6	52	18	1290	5.36	37	5	ND	2	40	9.4	5	3	101	.63	.109	19	12	.69	161	.08	2	1.83	.01	.10	1
105445	7	46	12	682	.7	37	16	1250	4.88	26	5	ND	3	50	8.1	3	2	70	.55	.108	22	13	.70	168	.07	2	1.85	.01	.12	1
105446	6	30	13	378	.3	26	12	684	3.60	24	5	ND	2	57	3.7	3	2	34	.36	.078	15	7	.36	167	.01	3	.93	.02	.12	1
105447	3	24	13	201	.2	16	11	633	3.39	24	5	ND	3	58	1.9	3	2	22	.36	.071	18	6	.28	192	.01	3	.82	.03	.16	1
105450	1	18	3	83	.1	9	14	763	5.83	11	5	ND	2	19	.2	2	2	156	1.34	.093	9	10	1.30	66	.58	4	1.78	.02	.02	1
105485	1	23	9	166	.2	12	39	743	8.63	6	5	ND	6	35	1.1	2	2	135	.37	.035	21	5	.64	707	.06	2	3.30	.01	.13	1
105894	1	17	7	101	.2	9	20	848	6.72	10	5	ND	2	48	.4	2	2	159	1.67	.127	13	9	2.14	105	.84	4	2.26	.04	.04	1
105897	1	24	9	147	.3	13	26	1932	8.34	12	5	ND	3	54	1.1	2	2	163	1.48	.130	14	8	2.38	234	.62	2	3.07	.05	.05	1
105899	1	15	5	75	.1	9	14	710	4.83	2	5	ND	2	19	.2	2	2	139	1.28	.086	13	12	1.28	57	.56	2	1.73	.02	.03	1
105900	1	19	3	82	.1	10	15	802	5.21	11	5	ND	2	21	.4	2	2	136	1.33	.095	11	10	1.44	74	.51	6	1.94	.03	.02	1
106812	6	48	10	459	.4	31	13	746	5.06	23	5	ND	2	37	4.1	3	2	73	.31	.095	20	16	.62	147	.05	2	1.86	.02	.09	1
106814	5	39	11	337	.4	27	13	794	4.49	17	5	ND	2	45	3.5	3	2	62	.31	.090	19	14	.57	148	.06	2	1.66	.02	.10	1
106815	5	58	15	459	.6	38	20	959	4.55	26	5	ND	3	73	6.1	3	2	49	.31	.091	21	15	.66	164	.01	2	1.53	.03	.15	1
106817	3	39	12	415	.4	38	17	1021	3.60	17	5	ND	2	64	5.1	2	2	38	.32	.076	15	12	.72	152	.01	2	1.41	.02	.15	1
106819	3	22	20	242	.1	21	15	843	3.96	27	5	ND	3	72	1.7	4	3	25	.44	.088	15	5	.22	178	.01	3	.72	.03	.14	1
106820	9	40	14	567	.5	35	13	817	3.91	31	5	ND	3	53	6.6	5	2	40	.33	.081	16	6	.35	158	.01	3	.95	.02	.12	1
106953	1	13	4	101	.3	8	17	966	6.00	8	5	ND	2	58	.2	2	2	146	1.49	.122	15	6	1.88	218	.66	2	2.34	.03	.04	1
106954	1	21	14	128	.3	6	18	1204	7.15	15	5	ND	1	32	.6	2	2	172	1.47	.134	13	4	2.06	117	.58	2	2.23	.02	.03	1
129606	1	17	5	138	.1	9	17	1074	6.90	12	5	ND	2	35	.6	2	2	157	1.28	.135	13	7	2.15	122	.49	2	2.54	.02	.04	1
129212	5	158	12	344	1.6	73	24	950	5.99	35	5	ND	1	63	3.0	4	2	50	.89	.123	14	23	.81	587	.03	3	1.77	.01	.06	1
STANDARD C	18	61	38	132	6.9	70	32	1048	3.99	41	19	7	39	55	19.2	16	21	57	.52	.094	39	58	.89	182	.09	35	1.89	.06	.13	13

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: BALL CREEK

CODE : 9008-060

Project No. : 289
Material : 40 RX
Remarks : 728 SOILS

Sheet: 1 of 11
Geol.: M.S.

Date rec'd: AUG 14
Date compl: SEPT 13

Values in PPM, except where noted.

P.T. No.	SAMPLE No.	PPB Au
2	125895	5
3	125896	5
4	125897	5
5	125898	5
6	125899	5
7	125900	5
8	125901	5
9	125902	5
10	125903	5
11	125904	5
12	125905	5
13	125906	5
14	125907	5
15	125908	5
16	125909	5
17	125910	5
18	125911	5
19	125912	5
20	125913	5
21	125914	5
22	125915	5
23	125916	5
24	125917	5
25	125918	5
26	125919	5
27	125920	5
28	125921	5
29	125922	5
30	125923	5
31	125924	5
32	125925	5
33	128703	5
34	128704	5
35	128706	5
36	128707	5
37	128708	5
38	128728	5
39	128729	5
40	131202	5
41	131203	5
42	12200N-10000E	5
43	10025	5
44	10050	5
45	10075	5
46	10100	5
47	10125	5
48	10150	5
49	10175	5
50	10200	5
1	10225	5
2	10250	5
3	10275	5
4	10300	5
5	10325	5
6	10350	5
7	10375	5
8	10400	5
9	10425	5
	10450	5
	10475	5
12	12200N-10500E	5
13	12000N-10000E	5

ROCK

ROCK SOIL

SOIL

RECEIVED
SEP 20 1990

Copy to Mike + 2

F.T.
No.

SAMPLE
No.

PPB
Au

F.T. No.	SAMPLE No.	PPB Au
14	12000N-10025E	5
15	10050	5
16	10075	5
17	10100	5
18	10125	5
19	10150	5
20	10175	5
21	10200	5
22	10225	5
23	10250	5
24	10275	5
25	10300	5
26	10325	5
27	10350	5
28	10375	5
29	10400	5
30	10425	5
31	10450	5
32	10475	5
33	12000N-10500E	5
34	11800N-10000E	5
35	10025	5
36	10050	5
37	10075	5
38	10100	5
39	10125	5
40	10150	5
41	10175	5
42	10200	5
43	10225	5
44	10250	5
45	10275	5
46	10300	5
47	10325	5
48	10350	5
49	10375	5
50	10400	5
52	10425	5
53	10450	5
54	10475	5
55	11800N-10500E	5
56	11600N-10000E	5
57	10025	5
58	10050	5
59	10075	5
60	10100	5
61	10125	5
62	10150	5
63	10175	5
64	10200	5
65	10225	5
66	10250	5
67	10275	5
68	10300	5
69	10325	5
70	10350	5
71	10375	5
72	10400	5
73	10425	5
74	10450	5
75	10475	5
76	11600N-10500E	5
77	11400N-10000E	5
78	10025	5
79	10050	5
80	10075	5
81	10100	5
	10125	5
	10150	5
84	10175	5
85	11400N-10200E	5

P. T.	SAMPLE No.	PPB Au
86	11400N-10225E	5
87	10275	5
88	10300	5
89	10325	5
90	10350	5
91	10375	5
92	10400	5
93	10425	5
94	10450	5
95	10475	5
96	11400N-10500E	5
97	11200N-10000E	5
98	10025	5
99	10050	5
100	10075	5
1	10100	5
2	10125	5
3	10150	5
4	10175	5
5	10200	5
6	10225	5
7	10250	5
8	10275	5
9	10300	5
10	10325	5
11	10350	5
12	10375	5
13	10400	5
14	10425	5
15	10450	5
16	10475	5
17	11200N-10500E	5
18	11000N-10425E	5
19	10450	5
20	10475	5
21	10500	5
22	10525	5
23	10550	5
24	10575	5
25	10600	5
26	10625	5
27	10650	5
28	10675	5
29	10700	5
30	10725	5
31	10750	1
32	10775	5
33	10800	5
34	10825	5
35	10850	5
36	10875	5
37	10900	5
38	10925	5
39	10950	5
40	11000N-10975E	5
41	10800N-11000E	5
42	10425	5
43	10450	5
44	10475	5
45	10500	5
46	10525	5
47	10550	5
48	10575	5
49	10625	5
50	10650	5
52	10675	5
53	10700	5
	10725	5
	10750	5
56	10775	5
57	10800N-10800E	5

.T.	SAMPLE No.	PPB Au
58	10800N-10825E	5
59	10850	5
60	10875	5
61	10900	5
62	10925	5
63	10950	5
64	10800N-10975E	5
65	10600N-10425E	5
66	10450	5
67	10475	5
68	10500	5
69	10525	5
70	10550	5
71	10575	5
72	10600	5
73	10625	5
74	10650	5
75	10675	5
76	10700	5
77	10725	5
78	10750	5
79	10775	5
80	10800	5
81	10825	5
82	10850	5
83	10875	5
84	10900	5
85	10925	5
86	10950	5
87	10975	5
88	10600N-11000E	5
89	10400N-10425E	5
90	10450	5
91	10475	5
92	10500	5
93	10525	5
94	10550	5
95	10575	5
96	10600	5
97	10625	5
98	10650	5
99	10675	5
100	10850	5
51	10875	5
52	10900	5
53	10925	5
54	10950	5
55	10975	5
56	10400N-11000E	5
57	10200N-10425E	5
58	10450	5
59	10475	5
60	10500	5
61	10525	5
62	10550	5
63	10575	5
64	10600	5
65	10625	5
66	10650	5
67	10675	5
68	10700	5
69	10725	5
70	10750	5
71	10200N-10775E	5
72	10000N-10425E	5
73	10450	5
74	10475	5
75	10500	5
76	10525	5
77	10550	5
78	10000N-10575E	5

I.T. No	SAMPLE No.	PPB Au
79	10000N-10675E	5
80	10700	5
81	10725	5
82	10750	5
83	10775	5
84	10000N-10800E	5
85	9800N-10025E	5
86	10050	5
87	10075	5
88	10100	5
89	10125	5
90	10150	5
91	10175	5
92	10200	5
93	10225	5
94	10250	5
95	10275	5
96	10300	5
97	10325	5
98	10350	5
99	10375	5
100	10400	5
51	10425	5
52	10450	5
53	10475	5
54	10500	5
55	10525	5
56	10550	5
57	10575	5
58	10650	5
59	10675	5
60	9800N-10700E	5
61	9600N-9600E	5
62	9625	5
63	9650	5
64	9675	5
65	9700	5
66	9725	5
67	9750	5
68	9775	5
69	9800	5
70	9825	5
71	9850	5
72	9875	5
73	9900	5
74	9925	5
75	9950	5
76	9975	5
77	10000	5
78	10025	5
79	10050	5
80	10075	5
81	10100	5
82	10125	5
83	10150	5
84	10175	5
85	10200	5
86	10225	5
87	10250	5
88	10275	5
89	10300	5
90	10325	5
91	10350	5
92	10375	5
93	10400	5
94	10425	10
95	10450	5
	10475	5
	9600N-10500E	5
98	9400N-9600E	5
99	9400N-9625E	5

P.T.
No.

SAMPLE
No.

PPB
Au

9008-060
Pg. 6 of 11

P.T. No.	SAMPLE No.	PPB Au
10	9400N-9650E	5
61	9675	5
62	9700	5
63	9725	5
64	9750	5
65	9775	5
66	9800	5
67	9825	5
68	9850	5
69	9875	5
70	9900	5
71	9925	5
72	9950	5
73	9975	5
74	10000	5
75	10025	5
76	10050	5
77	10075	5
78	10100	5
79	10125	5
80	10150	5
81	10175	5
82	10200	5
83	10225	5
84	10250	5
85	10275	5
86	10300	5
87	10325	5
88	10350	4
89	10375	5
90	10425	5
91	9400N-10450E	5
92	9200N-9500E	5
93	9525	5
94	9550	5
95	9575	5
96	9600	5
97	9625	5
98	9650	5
99	9675	5
100	9700	5
2	9725	5
3	9750	5
4	9775	5
5	9800	5
6	9825	5
7	9850	5
8	9875	5
9	9900	5
10	9925	5
11	9950	5
12	9975	5
13	10000	5
14	10025	5
15	10050	5
16	10075	5
17	10100	5
18	10125	5
19	10150	5
20	10175	5
21	10200	5
22	10225	5
23	10250	5
24	10275	5
25	10300	5
26	10325	5
27	10350	5
28	10375	5
29	10450	5
30	10475	5
31	9200N-10500E	5

F. T.
No.

SAMPLE
No.

PPB
Au

F. T. No.	SAMPLE No.	PPB Au
32	9000N-9500E	5
33	9525	5
34	9550	5
35	9575	5
36	9600	5
37	9625	5
38	9650	5
39	9675	5
40	9700	5
41	9725	5
42	9750	5
43	9775	5
44	9800	5
45	9825	5
46	9850	5
47	9875	5
48	9900	5
49	9925	5
50	9950	5
1	9975	5
2	10000	5
3	10025	5
4	10050	5
5	10075	5
6	10100	5
7	10125	5
8	10150	5
9	10175	5
10	10200	5
11	10225	5
12	10250	5
13	10275	5
14	10300	5
15	10325	5
16	10350	5
17	10375	5
18	10400	5
19	10425	5
20	10450	5
21	10475	5
22	9000N-10500E	5
23	8800N-9500E	5
24	9525	5
25	9550	5
26	9575	5
27	9600	5
28	9625	5
29	9650	5
30	9675	5
31	9700	5
32	9725	5
33	9750	5
34	9775	5
35	9800	5
36	9825	5
37	9850	5
38	9875	5
39	9900	5
40	9925	5
41	9950	5
42	9975	5
43	10000	5
44	10025	5
45	10050	5
46	10075	5
47	10100	5
48	10125	5
49	10150	5
50	10175	5
1	10200	5
2	10225	5
3	8800N-10225E	5

P.T. No.	SAMPLE No.	PPB Au
4	8800N-10250E	5
5	10275	5
6	10300	5
7	10325	5
8	10350	5
9	10375	5
10	10425	5
11	10450	5
12	10475	5
13	8800N-10500E	5
14	8600N-9500E	5
15	9525	5
16	9550	5
17	9575	5
18	9600	5
19	9625	5
20	9650	5
21	9675	5
22	9700	5
23	9725	5
24	9750	5
25	9775	5
26	9800	5
27	9825	5
28	9850	5
29	9875	5
30	10025	5
31	10050	5
32	10075	5
33	10100	5
34	10150	5
35	10175	5
36	10200	5
37	10225	5
38	10275	5
39	10300	5
40	10325	5
41	10350	5
42	10375	5
43	10400	5
44	10425	5
45	10450	5
46	10475	5
47	8600N-10500E	5
48	8400N-9500E	5
49	9525	5
50	9550	5
51	9575	5
52	9600	5
53	9625	5
54	9650	5
55	9675	5
56	9700	5
57	9725	5
58	9750	5
59	9775	5
60	9800	5
61	9825	5
62	9850	5
63	9875	5
64	9900	5
65	9925	5
66	9950	5
67	9975	5
68	10000	5
69	10025	5
70	10050	5
71	10075	5
72	10100	5
73	10125	5
74	8400N-10150E	5

I.T. No.	SAMPLE No.	PPB Au
75	8400N-10175E	5
76	10200	5
77	10250	5
78	10275	5
79	10300	5
80	10400	5
81	10425	5
82	10450	5
83	10475	5
84	8400N-10500E	5
85	8200N-9500E	5
86	9525	5
87	9550	5
88	9575	5
89	9600	5
90	9625	5
91	9650	5
92	9675	5
93	9700	5
94	9725	5
95	9750	5
96	9775	5
97	9800	5
98	9825	5
99	9850	5
100	9875	5
52	9900	5
53	9925	5
54	9950	5
55	9975	5
56	10000	5
57	10025	5
58	10050	5
59	10075	5
60	10100	5
61	10125	5
62	10150	5
63	10175	5
64	10200	5
65	10225	5
66	8200N-10250E	5
67	8000N-9500E	5
68	9525	5
69	9550	5
70	9575	5
2	9600	5
3	9625	5
4	9650	5
5	9675	5
6	9700	5
7	9725	5
8	9750	5
9	9775	5
10	9800	5
11	9825	5
12	9850	5
13	9875	5
14	9900	5
15	9925	5
16	9950	5
17	9975	5
18	10000	5
19	10025	5
20	10050	5
21	10075	5
22	10100	5
23	10125	5
	10150	5
	10175	5
26	10200	5
27	8000N-10225E	5

I.T. No.	SAMPLE No.	PPB Au
28	8000N-10250E	5
29	10275	5
30	10300	5
31	10325	5
32	10350	5
33	10375	5
34	10400	5
35	10425	5
36	10450	5
37	10475	5
38	8000N-10500E	5
39	7800N-9500E	5
40	9525	5
41	9550	5
42	9575	5
43	9600	5
44	9625	5
45	9650	5
46	9675	5
47	9700	5
48	9725	5
49	9750	5
50	9775	5
51	9800	5
52	9825	5
53	9850	5
54	9875	5
55	9900	5
56	9925	5
57	9950	5
58	9975	5
59	10000	5
60	10025	5
61	10050	5
62	10075	5
63	10100	5
64	10125	5
65	10150	5
66	10175	5
67	10200	5
68	10225	5
69	10250	5
70	10275	5
71	10300	5
72	10325	5
73	10350	5
74	10375	5
75	10400	5
76	10425	5
77	10450	5
78	10475	5
79	7800N-10500E	5
80	7600N-9500E	5
81	9525	5
82	9550	5
83	9575	5
84	9600	5
85	9625	5
86	9650	5
87	9675	5
88	9700	5
89	9725	5
90	9750	5
91	9775	5
92	9800	5
93	9825	5
94	9850	5
95	9875	5
96	9900	5
97	9925	5
98	7600N-9950E	5

.T. No.	SAMPLE No.	PPB Au
99	7600N-9975E	5
00	10000	5
2	7600N-10025E	5
3	7400N-9500E	5
4	9525	5
5	9575	5
6	9600	5
7	9625	5
8	9650	5
9	9675	5
10	9700	5
11	9725	5
12	9750	5
13	9775	5
14	9800	5
15	9825	5
16	9850	5
17	9875	5
18	9900	5
19	9925	5
20	9950	5
21	9975	5
22	10000	5
23	10025	5
24	10050	5
25	10075	5
26	10100	5
27	7400N-10125E	5
28	7200N-9500E	5
29	9525	5
30	9550	5
31	9575	5
32	9600	5
33	9625	5
34	9650	5
35	9675	5
36	9700	5
37	9725	5
38	9750	5
39	9775	5
40	9800	5
41	9825	5
42	9850	5
43	9875	5
44	9900	5
45	7200N-9925E	5
46	7000N-9500E	5
47	9525	5
48	9550	5
49	9575	5
50	9600	5
1	9625	5
2	9650	5
3	9675	5
4	9700	5
5	9725	5
6	9750	5
7	9775	5
8	9800	5
9	9825	5
10	9850	5
11	9875	5
12	9900	5
13	9925	5
14	9950	5
15	9975	5
16	7000N-10000E	5

APPENDIX VII

CERTIFICATES OF ANALYSIS - STREAM SEDIMENTS

NORANDA VANCOUVER LABORATORY

Geochemical Analysis

0 - 2 1990

Project Name & No. BALL CK - 289

Geol.: T.C.

Date rec'd: AUG. 27

LAB CODE: 9009-008

Material: 8 SILTS & 338 SOILS

Sheet: 1 of 9

Date compl: SEP. 21

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

□ Organic

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

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

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

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
2	SILT 109401	5	0.2	3.13	20	262	1.5	2	0.29	1.8	35	9	15	26	3.15	0.82	17	18	0.37	478	4	0.04	18	0.08	10	78	0.30	113	133
3	109402	5	0.2	3.89	23	260	1.7	2	0.26	3.2	40	12	13	34	3.88	1.05	20	17	0.80	581	5	0.04	24	0.09	14	48	0.30	145	285
4	109403	5	0.2	3.80	27	279	1.8	2	0.27	3.5	43	11	10	31	3.81	1.19	21	18	0.69	592	7	0.04	23	0.09	14	62	0.29	143	313
5	109404	5	0.2	4.19	35	292	1.7	2	0.50	6.2	46	13	12	41	5.54	1.06	22	16	0.99	808	9	0.03	31	0.11	12	35	0.29	194	566
6	SILT 109405	5	0.2	4.42	35	356	1.7	2	0.51	7.0	48	16	13	47	5.54	0.90	22	14	0.87	898	12	0.04	38	0.12	17	29	0.33	244	600
7	SILT 109406	5	0.4	4.36	22	233	2.0	2	0.27	6.0	48	21	12	43	4.52	1.14	23	19	0.97	1121	6	0.04	39	0.10	13	49	0.29	162	309
8	109407	5	0.2	3.86	22	318	1.9	2	0.25	2.9	41	12	14	37	4.34	1.14	21	19	0.93	427	5	0.04	28	0.09	11	41	0.28	149	277
9	109408	5	0.4	4.37	26	182	2.0	2	0.23	5.4	47	19	16	48	4.83	0.87	24	21	0.93	741	6	0.04	32	0.09	14	49	0.31	180	338
10	SILT 109436	5	0.2	3.43	39	142	1.3	2	0.11	1.4	47	35	19	30	15.18	0.25	17	12	1.22	1724	11	0.05	18	0.22	15	18	1.55	482	160
11	10600N-10025E	5	0.2	3.04	19	115	2.8	2	0.88	0.8	77	15	13	35	5.42	0.23	35	19	0.74	983	5	0.12	18	0.08	11	34	0.68	142	202
12	10600N-10050E	5	0.2	3.12	16	83	2.7	2	1.01	1.9	83	19	13	45	6.01	0.20	35	16	0.81	1512	5	0.13	27	0.08	17	26	0.68	171	337
13	10075	5	0.2	3.50	16	65	0.9	2	1.42	1.2	44	34	15	57	8.89	0.12	13	15	1.62	1662	4	0.05	28	0.09	9	29	0.97	247	254
14	10100	5	0.2	3.14	9	119	3.0	2	0.47	0.5	80	11	20	30	5.23	0.27	38	17	0.57	799	4	0.15	18	0.10	9	22	0.64	120	190
15	10125	5	0.2	3.45	6	104	2.7	2	0.39	0.5	85	13	21	31	5.51	0.24	35	15	0.83	958	5	0.14	17	0.10	9	16	0.68	130	175
16	10600N-10150E	5	0.2	3.55	13	109	1.1	2	0.91	0.9	51	29	16	53	6.14	0.23	18	13	1.16	1919	4	0.08	24	0.14	9	26	0.79	228	191
17	10600N-10175E	5	0.2	3.39	5	75	1.0	2	1.53	1.2	46	31	12	37	6.12	0.10	15	10	1.20	1841	3	0.05	15	0.19	8	34	0.87	241	162
18	10600N-10200E	5	0.2	3.00	10	79	1.0	2	1.10	0.8	42	25	12	38	5.81	0.15	14	13	1.19	1499	3	0.06	17	0.11	7	28	1.07	225	143
19	18400N-9500E	5	0.6	4.33	24	273	1.7	2	0.11	2.6	48	10	19	33	4.72	0.70	23	14	0.58	898	12	0.05	24	0.13	11	38	0.28	195	489
20	9525	5	0.8	3.76	27	338	1.4	2	0.13	3.9	39	9	18	44	4.56	0.84	20	17	0.53	815	16	0.04	34	0.11	13	53	0.24	231	589
21	18400N-9550E	5	0.8	3.92	22	299	1.7	2	0.20	3.4	45	11	17	37	5.11	0.65	21	19	0.60	975	15	0.05	29	0.12	14	37	0.44	231	514
22	18400N-9575E	5	0.2	4.16	33	381	1.4	2	0.28	3.2	47	12	10	44	5.71	0.83	18	19	0.63	1040	18	0.03	38	0.13	15	50	0.30	269	663
23	9600	5	0.4	3.52	6	157	2.8	2	0.39	0.8	90	5	18	23	4.74	0.19	36	15	0.29	560	9	0.08	13	0.24	10	25	0.31	96	201
24	9625	5	0.6	3.88	7	109	1.6	2	0.11	0.6	54	4	21	19	5.14	0.22	25	16	0.26	334	7	0.07	11	0.18	5	14	0.82	118	162
25	9650	5	0.2	3.22	7	120	2.0	2	0.21	1.7	54	8	20	14	5.19	0.18	25	11	0.25	779	7	0.09	8	0.20	5	17	0.65	100	144
26	18400N-9675E	5	0.2	3.44	14	165	1.7	2	0.15	1.2	37	10	33	20	5.78	0.34	18	15	0.60	869	9	0.06	23	0.14	7	19	0.65	168	270
27	18400N-9700E	5	0.2	3.39	14	174	1.2	2	0.11	1.5	33	14	22	26	5.66	0.32	15	11	0.50	997	9	0.05	15	0.27	9	18	0.67	205	223
28	9725	5	0.2	4.02	2	97	2.2	2	0.09	1.8	50	7	15	12	4.82	0.13	23	10	0.25	735	5	0.08	9	0.17	3	11	0.72	99	128
29	9750	5	0.2	3.69	4	104	2.0	2	0.09	1.1	48	8	18	15	5.56	0.14	21	9	0.26	1083	5	0.07	8	0.19	2	12	0.80	120	105
30	9775	5	0.2	3.13	6	105	1.3	2	0.06	0.6	29	10	22	15	5.39	0.19	13	7	0.23	1461	6	0.07	8	0.24	6	13	0.87	127	114
31	18400N-9800E	5	0.2	3.35	12	127	2.2	2	0.10	0.6	47	10	22	19	4.76	0.19	24	12	0.25	1033	8	0.07	9	0.20	9	18	0.63	122	115
32	18400N-9825E	5	0.2	3.59	15	132	1.8	2	0.09	0.7	51	11	21	22	5.97	0.32	23	12	0.42	1178	8	0.09	14	0.20	9	18	0.74	149	192
33	9850	5	0.2	3.65	14	130	1.5	2	0.09	0.4	52	12	22	23	6.17	0.32	22	11	0.42	1357	8	0.11	13	0.19	8	17	0.79	151	186
34	9875	5	0.2	3.73	18	164	1.7	2	0.10	0.8	48	20	26	29	7.24	0.37	21	15	0.85	1480	9	0.08	20	0.17	10	20	0.91	247	281
35	9900	5	0.2	4.57	39	252	1.7	2	0.07	1.1	58	19	22	31	7.22	0.62	24	19	0.95	1422	11	0.06	25	0.16	15	23	0.62	253	334
36	18400N-9925E	5	0.2	4.07	18	203	2.7	2	0.08	0.9	75	13	26	23	5.83	0.39	34	20	0.44	986	7	0.10	15	0.20	8	20	0.64	150	198

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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	Tl %	B ppm	Al %	Na %	K %	V ppm
129218	4	67	18	139	4	18	18	889	4.98	115	5	ND	3	99	1.1	3	2	77	1.88	0.04	8	24	1.86	727	10	2	3.81	.02	.08	.08
129219	2	27	25	184	1	21	19	895	4.87	114	5	ND	2	98	1.9	2	2	72	1.91	0.03	9	17	1.84	243	18	2	2.79	.04	.06	.06
129220	4	137	27	274	1	13	22	1044	6.48	121	5	ND	2	94	1.7	22	2	132	1.60	0.05	13	50	1.77	104	21	3	2.95	.02	.08	.08
129219	1	26	12	139	4	24	18	882	4.93	9	5	ND	4	41	.3	2	2	103	1.75	.061	17	25	1.51	64	.53	3	2.94	.04	.06	1
129221	2	24	8	137	1	23	17	846	4.98	6	5	ND	3	40	.4	2	2	109	1.84	.066	17	26	1.57	58	.55	2	2.90	.04	.04	1
129222	1	25	9	124	2	21	17	842	5.02	8	5	ND	3	32	.5	2	2	123	1.78	.072	15	23	1.49	58	.59	2	2.64	.04	.04	1
129223	2	26	12	171	1	25	14	794	4.84	10	5	ND	6	30	.5	2	2	73	.79	.081	34	23	.83	78	.39	3	2.61	.11	.11	1
STANDARD C	18	59	36	129	7.1	72	31	1050	3.97	40	20	7	391	50	19.5	15	21	58	.52	.095	39	60	.90	182	.09	36	1.90	.06	.14	11

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
11800N 10875E	8	54	11	442	.4	41	37	2183	8.83	29	5	ND	2	40	4.3	2	2	173	1.30	.104	13	24	1.47	101	.42	2	2.82	.02	.06	1
11800N 10900E	12	48	12	461	.4	39	26	1727	9.18	30	5	ND	3	86	2.2	4	2	156	.37	.138	12	18	1.25	110	.35	3	2.74	.03	.06	1
11800N 10925E	3	63	12	350	.3	38	58	2561	9.79	32	5	ND	2	75	2.7	2	2	221	1.68	.059	8	40	3.13	81	.43	2	4.19	.03	.05	1
11800N 10950E	4	59	10	392	.4	41	38	3664	8.36	26	5	ND	2	742	2.9	2	2	173	1.44	.089	12	27	1.96	644	.31	2	3.35	.03	.11	1
11800N 10975E	4	44	10	290	.3	31	36	2938	8.76	23	5	ND	3	35	1.7	2	2	190	1.03	.101	13	20	2.37	131	.42	2	3.65	.02	.06	1
11800N 11000E	5	21	12	172	.1	15	19	3180	7.28	14	5	ND	1	14	.8	2	2	128	.28	.091	9	20	.40	98	.46	2	2.18	.02	.04	1
11800N 11000E	4	26	9	157	.7	12	6	207	7.02	17	5	ND	7	81	1.1	3	2	26	.48	.040	17	6	.17	200	.02	2	1.00	.02	.14	1
11800N 11000E	4	34	18	801	.4	84	18	747	8.80	23	5	ND	8	88	1.1	8	8	84	.84	.040	17	0	.84	153	.01	2	1.00	.02	.14	1
11800N 11000E	6	85	18	128	.7	88	13	790	3.61	24	5	ND	3	63	1.1	8	8	33	.36	.074	14	7	.84	161	.01	2	1.00	.02	.14	1
11800N 11000E	2	16	16	105	.1	15	11	739	3.64	27	5	ND	3	62	1.1	3	8	88	.84	.072	14	5	.16	147	.01	1	.55	.03	.18	1
11800N 11000E	5	12	12	214	.4	11	10	106	3.01	28	5	ND	3	51	1.0	3	8	88	.27	.063	14	4	.15	141	.01	5	.59	.02	.14	1
11800N 11000E	14	12	30	122	.5	52	17	887	1.70	17	5	ND	1	75	1.1	4	2	11	.37	.090	16	6	.20	180	.01	3	.74	.03	.14	1
11800N 11000E	2	30	14	161	.5	70	17	840	2.05	21	5	ND	3	47	1.0	3	8	37	.34	.080	15	6	.23	149	.01	2	.01	.01	.18	1
11800N 11000E	2	24	10	808	.7	10	10	544	3.78	23	5	ND	3	44	1.0	3	2	24	.38	.054	13	5	.24	140	.01	3	.10	.08	.18	1
11800N 11000E	6	16	11	398	.5	26	11	950	1.18	28	5	ND	3	48	1.0	8	8	34	.34	.088	17	7	.27	108	.01	5	.99	.02	.14	1
11800N 11000E	6	27	11	737	.3	23	17	855	1.87	26	5	ND	3	43	1.2	3	8	34	.34	.080	18	5	.19	211	.01	2	.88	.08	.14	1
11800N 11000E	3	14	11	345	.5	38	13	743	3.02	17	5	ND	3	74	1.7	3	3	18	.84	.084	19	13	.18	160	.01	2	1.35	.03	.14	1
11800N 11000E	11	51	12	874	.6	52	18	1208	5.34	27	5	ND	8	16	1.1	5	3	101	.63	.188	19	18	.18	164	.01	2	1.03	.04	.18	1
105445	7	46	12	682	.7	37	16	1250	4.88	26	5	ND	3	50	8.1	3	2	70	.55	.108	22	13	.70	168	.07	2	1.85	.01	.12	1
105446	6	30	13	378	.3	26	12	684	3.60	24	5	ND	2	57	3.7	3	2	34	.36	.078	15	7	.36	167	.01	3	.93	.02	.12	1
105447	3	24	13	201	.2	16	11	633	3.39	24	5	ND	3	58	1.9	3	2	22	.36	.071	18	6	.28	192	.01	3	.82	.03	.16	1
105450	1	18	3	83	.1	9	14	763	5.83	11	5	ND	2	19	.2	2	2	156	1.34	.093	9	10	1.30	66	.58	4	1.78	.02	.02	1
105450	1	27	9	144	.2	18	28	748	8.45	14	5	ND	1	88	1.1	8	8	187	.57	.077	21	5	.11	707	.01	2	3.88	.04	.18	1
105894	1	17	7	101	.2	9	20	848	6.72	10	5	ND	2	48	.4	2	2	159	1.67	.127	13	9	2.14	105	.84	4	2.26	.04	.04	1
105897	1	24	9	147	.3	13	26	1932	8.34	12	5	ND	3	54	1.1	2	2	163	1.48	.130	14	8	2.38	234	.62	2	3.07	.05	.05	1
105899	1	15	5	75	.1	9	14	710	4.83	2	5	ND	2	19	.2	2	2	139	1.28	.086	13	12	1.28	57	.56	2	1.73	.02	.03	1
105900	1	19	3	82	.1	10	15	802	5.21	11	5	ND	2	21	.4	2	2	136	1.33	.095	11	10	1.44	74	.51	6	1.94	.03	.02	1
105900	1	18	10	159	.6	34	13	746	5.06	23	5	ND	2	37	1.1	3	8	73	.34	.088	20	11	.18	117	.01	2	1.04	.08	.08	1
105900	8	30	11	327	.7	27	13	794	1.18	17	5	ND	8	19	1.0	8	8	18	.84	.078	19	11	.27	148	.01	2	1.08	.02	.18	1
106815	5	58	15	459	.6	38	20	959	4.55	26	5	ND	3	73	6.1	3	2	49	.31	.091	21	15	.66	164	.01	2	1.53	.03	.15	1
106815	2	18	11	148	.2	28	17	884	3.66	17	5	ND	2	44	1.1	8	2	38	.22	.074	15	13	.23	152	.01	2	1.14	.08	.15	1
106819	3	22	20	242	.1	21	15	843	3.96	27	5	ND	3	72	1.7	4	3	25	.44	.088	15	5	.22	178	.01	3	.72	.03	.14	1
106820	9	40	14	567	.5	35	13	817	3.91	31	5	ND	3	53	6.6	5	2	40	.33	.081	16	6	.35	158	.01	3	.95	.02	.12	1
106953	1	13	4	101	.3	8	17	966	6.00	8	5	ND	2	58	.2	2	2	146	1.49	.122	15	6	1.88	218	.66	2	2.34	.03	.04	1
106954	1	21	14	128	.3	6	18	1204	7.15	15	5	ND	1	32	.6	2	2	172	1.47	.134	13	4	2.06	117	.58	2	2.23	.02	.03	1
129606	1	17	5	138	.1	9	17	1074	6.90	12	5	ND	2	35	.6	2	2	157	1.28	.135	13	7	2.15	122	.49	2	2.54	.02	.04	1
129606	1	12	12	311	.1	22	21	850	5.80	15	5	ND	1	47	1.0	4	8	58	.80	.131	14	23	.84	587	.01	3	1.37	.04	.04	1
STANDARD C	18	61	38	132	6.9	70	32	1048	3.99																					

T. T. SAMPLE PPB
 No. -Au

T. T.	SAMPLE No.	PPB -Au
45	11800N-10625E	5
46	10650	5
47	10675	5
48	10700	5
49	10725	5
50	10750	5
52	10775	5
53	10800	5
54	10825	5
55	10850	5
56	10875	5
57	10900	5
58	10925	5
59	10950	5
60	10975	5
61	11800N-11000E	5
62	SILT	
63	[REDACTED]	
64	[REDACTED]	
65	[REDACTED] PLB 4	
66	[REDACTED]	*
67	[REDACTED]	
68	[REDACTED]	
69	[REDACTED]	
70	[REDACTED]	
71	[REDACTED]	
72	[REDACTED]	
73	[REDACTED]	
74	105445	5
75	105446	5
76	105447	5
77	105450	5
78	[REDACTED] 5	*
79	105894	5
80	105897	5
81	105899	5
82	105900	5
83	[REDACTED] PLB	*
84	[REDACTED] PLB	*
85	106815	5
86	[REDACTED] PLB 4	*
87	106819	5
88	106820	5
89	106953	5
90	106954	5
91	129606	*
92	[REDACTED] 4	*
93	[REDACTED] 4	*
94	[REDACTED] 4	
95	[REDACTED]	
96	129219	5
97	129221	5
98	129222	5
99	SILT 129223	5

APPENDIX VIII

CERTIFICATES OF ANALYSIS - ROCKS

GEOCHEMICAL ANALYSIS CERTIFICATE

Ball Cr. (TC)

289
Result.

Noranda Exploration Co. Ltd. PROJECT 9008-081 289 File # 90-3677 Page 1

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

Copy to Mike

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
104351	1	4	2	7	.1	2	1	83	.38	5	5	ND	1	1	.2	2	2	1	.03	.001	2	4	.01	5	.01	2	.03	.01	.01	1	1
104355	3	7	10	45	.2	12	2	92	1.02	11	5	ND	2	92	.2	2	2	4	.82	.016	11	8	.10	86	.01	3	.23	.05	.09	2	1
104363	6	7	9	34	.3	6	12	271	9.83	10	5	ND	1	27	.2	2	2	47	.63	.272	12	9	.23	12	.01	4	.82	.07	.06	1	1
104368	1	23	8	60	.2	8	7	466	2.34	4	6	ND	1	375	.3	3	2	14	21.38	.052	6	8	.43	96	.01	10	.73	.02	.16	1	1
105443	5	9	22	206	.1	5	2	347	2.52	2	5	ND	1	4	1.7	2	2	12	.06	.015	37	4	.42	51	.01	2	.84	.04	.07	1	1
105448	8	8	16	55	.3	8	6	601	3.57	8	5	ND	1	11	.4	2	2	34	1.45	.048	13	8	.64	58	.17	5	1.04	.04	.08	1	3
105449	15	8	14	29	.3	6	4	203	3.28	16	5	ND	1	7	.2	2	2	47	.54	.050	11	4	.28	45	.31	3	.58	.03	.07	1	1
105490	1	23	4	25	.4	60	9	1075	3.34	9	5	ND	1	586	.2	2	2	29	10.29	.016	2	23	4.92	57	.01	4	.19	.01	.07	1	1
105891	1	5	3	4	.1	5	3	1019	1.03	3	6	ND	1	29	.3	2	2	24	12.41	.013	2	18	.28	6	.04	2	.63	.01	.01	1	1
105892	2	4	10	35	.1	10	1	47	.43	2	5	ND	1	12	.2	2	2	6	.24	.005	10	11	.10	36	.08	2	.31	.04	.03	2	1
105893	33	41	18	88	.7	31	12	368	15.71	51	5	ND	1	5	.2	10	2	244	.45	.076	4	30	1.40	18	.46	3	2.24	.03	.01	1	1
105895	7	20	21	130	.3	14	9	489	4.48	13	5	ND	1	2	.4	4	2	47	.34	.063	13	13	1.38	22	.17	3	1.39	.05	.03	1	2
105896	11	11	18	19	.2	47	7	107	4.49	30	5	ND	1	2	.3	2	4	24	.29	.041	6	1	.07	29	.19	2	.18	.04	.05	1	1
105898	14	8	13	14	.2	8	7	107	2.27	10	8	ND	2	2	.3	2	2	47	.42	.047	13	10	.47	49	.28	4	.61	.02	.11	1	1
106811	10	13	18	87	.2	6	6	272	4.40	14	5	ND	1	47	1.2	2	2	46	1.28	.094	11	6	.31	45	.01	2	.54	.05	.05	1	1
106813	8	8	23	36	.2	14	1	87	1.65	7	5	ND	1	7	.5	2	3	9	.11	.015	13	8	.17	32	.10	2	.44	.07	.03	1	1
106816	2	14	12	27	.2	5	3	71	2.36	12	5	ND	2	8	.8	3	2	33	.04	.052	12	19	.96	57	.01	2	1.34	.02	.12	1	1
106818	12	10	11	55	.3	7	5	134	6.65	16	9	ND	1	19	.2	4	2	123	.05	.038	5	9	.16	32	.26	2	.64	.08	.02	1	1
106951	1	5	4	26	.2	5	4	245	1.26	2	12	ND	1	16	.4	2	2	70	5.10	.043	3	8	.18	18	.21	2	1.86	.01	.01	1	1
106952	2	5	16	12	.2	15	5	272	3.82	13	5	ND	1	8	.2	4	2	21	2.28	.003	2	15	1.29	3	.05	2	1.70	.01	.01	1	1
109426	1	29	13	49	.5	8	12	508	9.69	2	5	ND	1	3	.2	7	2	248	.57	.102	3	27	2.50	26	.55	4	2.31	.03	.01	1	3
109427	2	20	18	60	.5	11	15	511	9.72	2	5	ND	1	3	.2	6	2	230	.59	.099	3	24	2.38	27	.52	4	2.21	.03	.01	1	1
109428	12	26	11	90	.5	13	24	782	11.41	11	5	ND	1	12	.2	10	2	210	1.96	.097	6	28	2.15	25	.41	3	1.84	.04	.01	1	2
109429	7	29	15	139	.6	14	27	1124	8.67	45	6	ND	1	21	.8	15	2	245	3.86	.117	9	27	2.53	45	.50	5	2.00	.03	.02	1	1
109430	1	23	14	155	.4	17	26	904	7.14	15	12	ND	1	42	.7	10	2	180	6.36	.083	7	23	2.91	35	.31	3	2.27	.03	.01	1	1
109431	16	55	23	279	1.1	26	9	230	4.30	45	8	ND	1	14	4.2	8	2	136	1.28	.350	19	20	.31	43	.13	9	.45	.07	.02	1	1
109432	3	15	21	83	.3	8	15	634	11.06	23	5	ND	1	6	.2	8	2	243	.40	.196	8	22	.98	48	.11	2	1.74	.05	.01	1	1
109433	5	24	20	82	.5	10	20	485	12.76	2	5	ND	1	3	.2	7	2	223	.69	.102	5	27	2.19	15	.40	2	2.11	.03	.01	1	2
109434	28	74	38	443	1.0	86	10	205	16.29	46	8	ND	1	10	4.6	12	2	146	1.42	.267	11	21	.16	9	.13	2	.77	.02	.03	1	1
109435	104	60	40	211	3.1	32	4	135	5.93	107	8	ND	1	6	.6	16	2	322	.06	.068	3	25	.39	42	.01	3	.91	.04	.09	1	1
125883	91	93	20	275	1.1	53	12	243	6.84	74	6	ND	1	11	3.9	11	2	187	.15	.087	9	24	.86	54	.01	6	1.69	.03	.11	1	1
125884	43	34	18	277	.6	24	5	138	6.16	80	7	ND	1	9	1.2	8	2	64	.08	.069	10	4	.14	42	.01	2	.54	.04	.08	1	1
125885	34	84	44	207	1.1	114	10	174	9.00	35	8	ND	1	5	1.2	10	2	101	.87	.040	3	17	.13	20	.12	3	.67	.02	.03	1	2
125886	7	21	8	87	.3	13	18	461	10.66	2	5	ND	1	4	.2	5	2	240	.68	.106	5	34	2.70	20	.47	4	2.50	.04	.02	1	1
125887	4	13	14	72	.4	10	22	961	12.94	2	5	ND	1	5	.2	8	2	183	.97	.075	6	23	3.23	23	.37	3	3.08	.04	.01	1	1
125888	7	24	10	100	.4	7	6	544	22.53	5	5	ND	1	15	.4	7	2	183	.26	.061	2	24	1.19	58	.38	2	1.94	.02	.03	1	1
STANDARD C/AU-R	18	60	43	131	7.3	72	31	1053	3.97	40	18	8	36	51	19.0	15	19	56	.51	.094	37	60	.88	179	.07	37	1.89	.06	.14	14	550

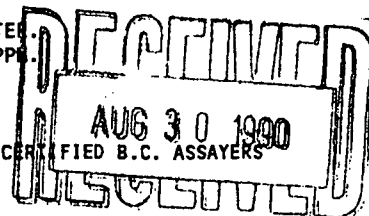
ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPB. - SAMPLE TYPE: Rock AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 20 1990

DATE REPORT MAILED:

Aug 24/90.

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	Tl %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
125889	8	17	5	74	.1	10	25	675	14.66	2	5	ND	1	7	.8	6	7	213	.83	.073	6	27	3.30	21	.44	3	3.13	.05	.01	1	3
125890	7	16	13	35	.2	9	28	508	13.64	2	5	ND	1	4	.9	10	2	170	.69	.056	3	25	1.96	16	.52	4	1.77	.04	.01	1	1
125891	10	23	2	30	.3	11	14	320	12.73	2	5	ND	1	4	.2	5	2	169	.64	.053	2	33	1.10	15	.50	5	1.27	.05	.01	1	1
125892	6	21	6	45	.3	11	26	546	11.77	2	5	ND	1	6	.2	6	2	169	.92	.054	5	24	1.93	21	.43	3	1.79	.05	.01	1	1
125893	6	25	2	50	.3	11	23	514	10.87	2	5	ND	1	7	.2	8	2	188	.87	.072	5	33	2.13	29	.50	2	1.96	.05	.01	1	1
125894	19	25	33	285	.7	15	9	576	13.51	.44	5	ND	1	69	3.3	3	2	94	.63	.414	18	20	.54	176	.02	2	1.41	.04	.06	1	3
128709	1	11	2	89	.1	5	26	256	10.64	2	5	ND	1	33	.9	4	2	300	.44	.161	6	21	1.47	30	.02	2	2.14	.04	.01	1	1
128710	2	26	2	61	.2	12	21	899	17.69	17	5	ND	1	3	.2	12	2	234	.58	.066	4	28	1.86	9	.46	3	2.11	.04	.01	2	3
128711	1	32	2	74	.1	8	24	809	16.45	21	5	ND	1	4	.2	7	2	221	.53	.076	5	19	1.59	9	.40	2	1.92	.04	.01	1	1
128712	4	34	4	82	.2	13	21	404	12.58	20	5	ND	1	3	.2	8	2	207	.48	.075	3	34	1.18	15	.39	3	1.16	.04	.02	1	2
128713	7	66	3	90	.3	46	31	495	6.44	14	5	ND	1	7	.5	6	2	80	3.17	.061	3	25	1.53	3	.26	7	2.96	.04	.01	1	3
128714	7	22	2	46	.3	9	22	377	12.84	2	5	ND	1	2	.5	7	2	193	.52	.074	3	32	1.91	14	.45	4	1.83	.03	.01	1	3
128715	29	53	22	316	.6	147	14	689	7.12	58	8	ND	1	331	2.0	7	2	63	21.51	.025	4	12	.81	48	.01	2	.86	.01	.03	1	1
128730	6	33	3	83	.3	8	8	345	14.38	5	5	ND	1	6	.2	5	2	210	.31	.093	3	34	1.30	58	.51	6	2.02	.03	.03	1	2
128731	8	33	7	178	.5	17	20	523	12.20	2	5	ND	1	7	1.2	7	2	200	.94	.081	3	25	1.84	17	.48	2	1.76	.03	.01	1	2
128732	88	78	39	420	1.0	59	4	96	3.32	27	5	ND	1	15	2.9	6	2	94	.22	.060	5	9	.19	300	.04	4	.73	.01	.13	1	3
129220	11	8	27	73	.2	1	3	99	2.38	8	5	ND	1	11	.2	2	2	16	.41	.029	14	1	.19	37	.26	2	.41	.06	.05	1	1
129224	46	9	12	78	.3	9	15	844	10.23	2	7	ND	1	8	.3	2	2	139	1.70	.151	8	12	1.05	29	.49	3	1.89	.05	.02	1	3
129225	7	11	9	14	.2	6	5	80	1.96	6	5	ND	1	23	.2	2	2	32	.34	.055	9	26	.25	26	.27	2	.42	.06	.05	2	1
129601	4	11	58	148	.7	1	4	517	5.36	8	5	ND	1	6	.4	2	2	21	.37	.040	13	8	1.10	57	.28	3	1.48	.05	.05	1	1
129602	6	22	7	34	.2	10	8	252	4.74	2	5	ND	1	15	.2	2	2	69	.88	.056	13	31	.69	14	.30	6	1.28	.06	.02	1	1
129603	6	2	2	132	.2	8	13	1247	8.34	2	5	ND	1	16	.2	7	2	153	3.12	.202	10	10	2.58	24	.60	2	2.36	.04	.03	1	2
129604	3	4	8	79	.3	2	11	731	13.30	2	5	ND	1	9	.2	7	2	194	1.15	.220	8	17	1.73	44	.68	4	2.49	.03	.01	1	1
129605	4	17	8	56	.1	1	13	197	4.70	3	5	ND	1	12	.2	2	2	111	1.33	.200	13	2	.27	41	.56	2	.58	.05	.03	1	1
129607	2	4	2	44	.1	3	19	837	5.62	17	5	ND	1	5	.2	2	2	164	1.31	.155	6	13	1.02	13	.35	3	1.14	.12	.01	1	1
129608	2	14	15	65	.1	2	22	863	7.67	2	11	ND	1	12	.2	2	2	183	7.05	.112	7	10	.61	18	.47	3	.93	.05	.02	1	2
129701	4	8	13	70	.1	5	5	523	3.35	3	6	ND	1	10	.4	2	2	59	.44	.034	15	22	.70	66	.27	2	1.38	.07	.06	1	1
129702	31	9	24	13	.2	3	2	89	1.99	21	5	ND	1	7	.2	2	2	15	.31	.029	11	1	.06	30	.20	3	.27	.03	.05	1	1
129703	2	12	2	34	.1	7	7	219	3.70	2	6	ND	1	15	.2	3	2	66	.69	.053	16	29	1.14	26	.36	6	1.33	.10	.01	1	2
129704	2	4	9	72	.1	1	2	332	2.43	2	5	ND	1	112	.8	2	2	10	1.90	.014	12	5	.54	46	.05	2	3.26	.01	.01	1	2
129705	6	6	2	5	.1	10	4	81	.71	2	5	ND	1	24	.2	2	2	8	.33	.008	2	54	.07	46	.05	2	.48	.02	.03	1	1
129706	6	3	34	5	.1	2	2	92	1.90	62	5	ND	1	17	.2	8	2	13	.24	.020	9	3	.11	82	.20	3	.36	.06	.10	1	6
129707	8	7	5	10	.1	3	4	134	2.23	2	6	ND	1	4	.2	2	2	39	.42	.035	10	26	.23	15	.31	5	.50	.06	.03	1	2
129708	2	8	14	7	.1	4	4	112	1.48	2	5	ND	1	2	.2	2	2	15	.22	.029	10	12	.15	36	.06	2	.28	.04	.08	1	2
129709	13	6	9	45	.2	5	5	721	5.39	8	5	ND	1	7	.2	2	2	44	1.20	.047	12	18	1.00	51	.18	2	1.43	.04	.06	1	1
129710	6	10	71	60	.1	1	2	256	6.71	96	6	ND	1	11	.5	2	2	46	.25	.043	11	10	.99	68	.25	2	1.52	.05	.08	1	2
STANDARD C/AU-R	20	63	41	132	7.3	73	32	1054	3.97	39	16	7	37	53	18.4	15	19	56	.52	.089	37	61	.89	180	.07	36	1.89	.06	.14	11	520

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
131205	1	25	7	68	.3	10	23	455	10.12	2	5	ND	1	30	.2	6	2	212	1.28	.108	7	24	1.31	45	.53	5	2.50	.18	.03	1	10
131206	1	24	3	97	.1	12	23	1175	7.81	2	5	ND	1	13	.2	10	2	193	2.37	.087	7	24	1.99	77	.50	2	2.64	.05	.06	1	2
131207	1	22	14	73	.1	13	22	799	11.05	9	5	ND	1	5	.2	9	2	270	.89	.109	6	22	1.65	49	.61	2	1.91	.06	.02	1	1
131208	4	22	13	75	.2	15	22	571	16.56	30	5	ND	1	4	.8	14	2	228	.52	.102	5	24	1.58	14	.35	2	1.70	.04	.01	1	1
131209	4	19	2	78	.2	23	28	612	12.80	27	5	ND	1	6	.7	12	2	298	.91	.128	8	33	1.82	18	.61	3	2.04	.08	.01	1	1
131210	3	12	9	92	.1	12	17	706	10.31	16	5	ND	1	10	.2	10	2	200	1.16	.246	12	21	1.98	24	.58	2	2.09	.09	.01	1	1
131211	12	13	11	48	.2	10	12	374	17.62	45	5	ND	1	7	1.5	12	2	164	.71	.184	4	23	1.20	13	.62	2	1.58	.08	.01	1	1
131212	1	20	13	80	.1	8	15	948	10.77	13	5	ND	1	19	.6	9	2	214	1.28	.268	12	19	1.23	43	.66	3	2.01	.04	.02	1	1
131213	5	8	2	84	.1	7	15	585	11.58	2	5	ND	1	19	.7	12	2	114	1.57	.416	14	32	1.79	38	.58	3	1.99	.08	.03	1	1
131214	2	35	13	126	.1	8	21	577	10.93	9	5	ND	1	50	.2	14	2	214	1.86	.311	13	17	2.09	34	.41	2	2.30	.06	.01	1	1
131215	8	20	2	65	.1	14	20	546	10.14	2	5	ND	1	8	.4	6	2	182	1.58	.080	5	36	1.58	12	.41	4	1.54	.07	.01	1	1
131216	1	7	2	115	.1	4	19	1552	9.11	2	5	ND	1	168	1.4	7	2	186	4.65	.149	11	14	1.23	48	.01	4	2.36	.05	.01	1	1
STANDARD C	18	61	36	132	7.1	73	32	1055	3.97	40	19	7	37	53	18.5	15	20	56	.52	.094	38	59	.89	179	.07	35	1.89	.06	.14	13	-

ACME ANALYTICAL LABORATORIES LTD.

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

PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE *ball (EG)*

Noranda Exploration Co. Ltd. PROJECT 9009-062 289 File # 90-4677

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

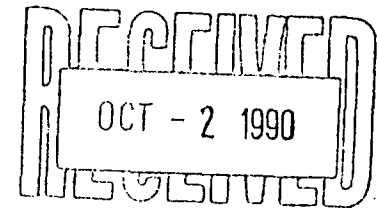
SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
104737	3	230	21	13	.9	10	21	254	5.75	21	11	ND	2	8	.2	2	2	98	.81	.163	6	15	.15	23	.44	3	.43	.02	.08	2	12
104738	10	3326	185	396	9.4	11	15	332	2.07	35	5	ND	1	3	1.6	2	2	46	.37	.013	3	11	.53	19	.07	2	.68	.01	.04	1	590
104740	3	802	54	1448	1.8	8	12	350	2.46	10	5	ND	1	14	2.6	2	2	21	.70	.014	2	6	.62	5	.02	3	.60	.01	.01	1	12
104741	1	176	315	76	.9	14	27	1000	8.03	53	12	ND	2	6	.2	2	2	216	1.64	.085	6	21	2.31	10	.49	2	2.10	.04	.02	1	17
104742	1	15663	3091	14725	31.1	17	7	1164	4.61	13	8	ND	1	32	64.8	3	2	108	9.52	.030	4	69	1.62	12	.15	2	1.67	.01	.03	3	9
104743	2	643	27	203	1.2	8	8	591	3.02	46	5	ND	1	6	.9	2	2	57	1.36	.056	9	9	.82	30	.18	5	.97	.01	.04	1	160
104744	3	455	1955	1986	1.5	16	15	363	2.74	7	5	ND	1	3	7.0	2	2	72	.23	.018	2	40	1.02	37	.12	3	.90	.01	.05	1	77
104745	1	1202	13261	8846	7.3	10	9	539	2.31	27	5	ND	1	2	1.6	2	2	51	.13	.014	2	9	.88	10	.06	3	.95	.01	.01	1	150
104746	1	1178	18495	3127	3.0	19	13	958	2.78	21	6	ND	1	16	26.7	5	2	71	5.40	.021	5	51	1.65	13	.10	3	1.42	.01	.03	1	4
104747	5	6394	192	112	22.4	11	8	169	2.33	50	5	4	1	3	1.5	2	2	31	.06	.014	2	8	.23	10	.03	3	.32	.01	.01	1	4690
104748	3	22	90	122	.8	8	6	390	2.27	12	5	ND	1	3	.2	2	2	29	.49	.059	4	8	.50	78	.13	3	.61	.02	.02	1	260
134443	1	726	55	106	1.5	22	14	801	5.66	12	8	ND	1	34	.2	3	2	97	3.62	.069	9	42	1.94	15	.28	3	1.94	.03	.03	11	15
134444	1	543	461	529	2.3	30	39	377	3.79	8	5	ND	1	7	3.7	2	2	113	.67	.040	2	86	1.53	21	.25	4	1.26	.02	.04	1	1690
STANDARD C	18	57	37	131	7.1	71	32	1054	3.97	36	22	6	39	53	19.3	15	18	57	.47	.092	38	58	.90	182	.08	38	1.91	.06	.14	13	-

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: SEP 21 1990 DATE REPORT MAILED: *Sept 27/90* SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

✓ ASSAY RECOMMENDED

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GEOCHEMICAL ANALYSIS CERTIFICATE

Ball Co. (IC)

Noranda Exploration Co. Ltd. PROJECT 9009-008 289

File # 90-3936

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

Copy to Mike

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
109371	75	25	5	59	.1	6	25	1667	22.77	19	8	ND	2	13	1.7	2	14	123	3.44	.050	2	3	1.02	8	.31	4	1.25	.02	.02	1	4
109409	5	25	3	79	.4	9	27	458	11.63	29	5	ND	2	9	2.9	2	7	221	1.54	.106	10	13	2.83	30	.49	6	2.64	.04	.01	3	2
109410	8	21	2	76	1.8	12	23	567	9.58	10	68	ND	10	4	2.0	4	2	197	.78	.103	8	9	2.41	32	.31	2	1.98	.10	.07	1	2
109411	3	22	3	119	.1	14	28	911	8.09	8	5	ND	1	18	1.6	2	2	223	2.69	.117	14	13	3.05	47	.23	2	2.91	.04	.01	2	1
109412	7	29	9	97	.2	13	29	481	8.37	33	5	ND	1	28	1.1	3	6	232	1.79	.126	10	13	2.26	27	.01	8	2.64	.03	.02	2	1
125876	1	23	5	58	.3	10	56	757	11.11	54	5	ND	1	8	2.3	4	2	219	1.14	.275	14	5	1.51	22	.29	5	2.45	.04	.03	1	1
125877	1	7	4	73	.1	4	24	545	5.95	23	5	ND	1	11	.8	2	2	169	1.27	.297	15	4	1.23	29	.26	3	1.85	.05	.03	2	1
125878	3	22	2	87	.1	6	35	465	11.93	76	5	ND	1	11	2.0	2	2	304	1.25	.239	27	2	1.44	34	.42	2	2.16	.06	.02	2	2
125879	3	13	5	84	.2	2	23	612	10.98	15	5	ND	1	7	3.2	2	2	297	1.09	.208	11	1	2.64	38	.63	2	2.92	.04	.02	2	1
125880	110	35	42	212	1.0	52	14	531	18.37	120	5	ND	1	62	4.2	6	2	33	2.22	.042	4	2	.50	12	.01	2	.51	.01	.11	1	1
125881	2	10	6	139	.1	1	25	771	7.91	2	5	ND	2	21	3.5	2	3	300	3.11	.156	14	1	2.93	55	.75	9	3.06	.04	.03	1	2
125882	4	7	9	63	.1	5	12	469	5.02	4	5	ND	1	11	.5	2	4	96	1.03	.077	14	7	1.20	50	.22	5	1.32	.06	.04	2	1
125926	2	11	2	152	.1	6	29	1214	9.40	5	5	ND	1	12	4.3	2	2	255	1.42	.174	11	1	3.32	49	.65	5	3.17	.05	.01	1	2
125927	120	52	38	510	1.3	38	5	220	3.59	57	5	ND	1	51	4.5	15	2	66	.69	.056	5	9	.13	156	.01	9	.74	.02	.19	2	2
125928	6	9	5	29	.1	6	5	234	2.51	2	5	ND	3	3	.2	2	2	18	.12	.018	21	8	.56	47	.10	5	.85	.03	.09	2	2
125929	1	18	2	107	.1	8	24	1245	8.53	5	5	ND	1	22	2.5	2	4	182	2.22	.186	9	11	2.04	26	.37	7	1.83	.10	.02	1	2
125930	27	60	43	116	.6	47	43	1047	17.87	115	5	ND	1	8	4.9	2	4	327	1.43	.172	10	8	2.10	26	.66	6	3.75	.01	.02	2	1
125931	3	2	7	77	.1	2	13	330	6.93	9	5	ND	1	11	1.8	2	2	141	.97	.228	8	1	1.27	60	.55	4	1.32	.06	.05	1	1
125932	6	16	13	66	.2	6	24	548	9.56	29	5	ND	1	7	2.5	3	2	281	.84	.107	6	5	1.39	40	.60	9	1.56	.06	.03	1	1
131217	2	13	2	57	.1	3	11	325	3.94	2	5	ND	1	8	1.1	2	5	91	1.08	.094	18	11	.63	60	.38	5	.87	.08	.05	2	1
131218	3	22	2	67	.1	9	16	424	6.59	6	5	ND	1	6	1.7	2	3	275	.63	.157	8	17	2.37	49	.43	9	2.25	.06	.03	2	1
131219	2	27	2	135	.1	12	30	852	8.89	7	5	ND	1	11	3.9	2	4	315	1.72	.162	13	12	3.13	41	.65	4	3.18	.05	.02	1	2
131220	3	19	2	90	.1	7	26	651	8.04	2	5	ND	1	9	3.3	2	2	301	1.05	.151	10	12	2.41	84	.69	5	2.54	.07	.03	1	1
131221	3	8	6	67	.1	5	12	363	4.28	2	5	ND	1	8	.7	2	2	114	1.09	.097	17	11	.63	50	.29	6	.87	.08	.04	2	2
131222	3	11	5	53	.1	4	12	174	5.11	5	5	ND	2	9	.7	2	2	106	.50	.103	16	10	.48	63	.33	8	.87	.07	.06	2	1
131223	3	9	6	86	.2	3	15	363	4.04	2	5	ND	2	7	.8	2	2	105	.54	.106	25	10	.58	55	.29	5	1.00	.06	.04	2	1
131224	2	6	9	89	.1	5	13	527	6.09	2	5	ND	1	7	2.0	2	2	138	.90	.120	22	12	2.07	92	.51	2	2.44	.08	.04	1	2
131225	5	24	7	82	.1	10	17	598	5.46	7	5	ND	1	15	2.8	2	2	124	1.06	.077	12	26	.99	52	.50	8	1.38	.09	.01	1	1
STANDARD C/AU-R	19	57	40	129	6.8	73	31	1051	3.96	43	19	7	36	53	19.8	13	23	55	.52	.094	37	58	.89	180	.07	35	1.92	.06	.12	11	520

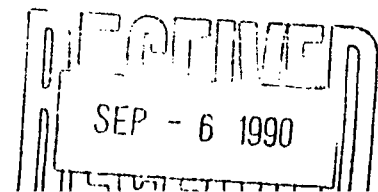
ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 28 1990

DATE REPORT MAILED:

Aug 31/90

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



ACME ANALYTICAL LABORATORIES LTD.

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

PHONE (604) 253-3158 FAX (604) 253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Ball Co. (06) ✓

Noranda Exploration Co. Ltd. PROJECT 9010-044 File # 90-5285

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
129879	1	25	2	183	.5	13	19	2107	3.59	3	5	ND	1	45	1.8	2	2	175	13.99	.051	6	62	1.15	78	.37	2	1.21	.02	.03	1	5
129880	1	31	6	74	.4	11	23	618	15.33	5	5	ND	1	13	2.0	2	2	172	.46	.071	4	25	1.33	11	.44	2	1.51	.03	.04	1	5
129881	21	73	44	779	1.1	112	7	256	6.15	30	5	ND	1	21	8.5	13	2	198	2.82	.440	24	24	.12	22	.09	2	1.34	.01	.01	1	14
129882	22	103	56	918	1.6	109	6	267	14.40	82	5	ND	1	6	10.9	14	2	209	.89	.038	3	37	.10	9	.10	2	.76	.01	.02	1	2
129883	2	22	2	68	.3	14	25	555	10.06	5	5	ND	1	4	2.4	3	2	226	.61	.085	6	17	3.06	18	.50	2	2.60	.04	.01	1	2

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 12 1990

DATE REPORT MAILED: Oct 18/90.

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

RECEIVED
 OCT 23 1990

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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 %	M ppm
125895	1	36	2	85	.1	9	18	663	5.89	3	5	ND	1	13	.6	5	2	152	2.11	.063	5	13	1.58	17	.41	5	2.68	.04	.01	3
125896	1	32	5	73	.1	8	18	480	5.85	2	5	ND	1	32	.4	5	2	161	2.34	.064	5	13	1.33	20	.42	4	2.72	.22	.01	1
125897	1	31	4	76	.1	11	22	738	6.25	3	5	ND	1	32	.2	8	2	182	3.01	.064	5	15	1.51	20	.42	6	2.62	.22	.01	1
125898	1	25	11	55	.3	13	24	734	15.32	3	5	ND	1	25	.2	7	2	157	2.91	.049	2	30	1.23	16	.35	4	2.15	.16	.01	1
125899	1	28	6	88	.2	12	24	700	6.19	5	5	ND	1	21	.5	5	2	182	3.10	.062	4	20	1.24	30	.42	12	3.24	.06	.02	4
125900	3	21	14	45	.2	21	18	385	9.90	2	5	ND	1	14	.2	6	2	142	2.12	.060	4	47	.65	17	.37	7	1.82	.04	.01	1
125901	258	70	13	544	.5	63	15	720	18.06	263	7	ND	1	43	4.4	25	2	115	3.46	.315	15	16	.40	13	.01	7	1.18	.03	.13	1
125902	139	64	4	641	.6	62	13	1717	13.14	174	5	ND	1	56	5.2	20	2	92	6.27	.274	12	15	.27	20	.01	6	.94	.03	.14	1
125903	150	67	11	458	.5	55	12	389	18.56	224	7	ND	1	45	3.6	22	5	67	4.20	.159	8	12	.21	13	.01	8	.74	.03	.13	1
125904	8	36	6	109	.1	10	16	838	9.28	14	5	ND	1	11	.2	7	4	161	1.45	.201	10	13	1.20	24	.41	5	1.46	.04	.03	1
125905	33	4	4	20	.2	14	4	123	19.60	24	5	ND	1	1	.2	2	2	8	.04	.003	2	1	.01	2	.05	4	.05	.01	.01	2
125906	23	9	13	65	.1	12	12	218	19.54	33	5	ND	1	5	.2	3	2	76	.58	.131	5	5	.09	7	.24	8	.20	.04	.03	2
125907	1	28	2	67	.1	11	24	756	7.03	2	5	ND	1	18	1.3	8	2	158	1.51	.081	6	17	2.25	14	.39	4	2.26	.06	.01	1
125908	233	117	26	2379	1.3	95	12	573	28.11	392	5	ND	1	12	14.1	27	4	133	.30	.086	4	18	.37	61	.01	5	1.73	.02	.14	1
125909	2	32	7	111	.1	15	19	667	6.66	2	5	ND	1	19	.2	10	2	141	2.44	.113	10	23	2.49	67	.49	6	2.36	.03	.02	1
125910	2	33	11	140	.1	18	30	1411	8.75	2	5	ND	1	26	.6	11	2	264	3.95	.123	10	27	2.00	99	.65	8	2.78	.04	.02	1
125911	13	7	4	28	.1	7	5	168	.99	7	5	ND	1	2	.2	2	2	40	.55	.017	2	4	.15	8	.11	2	.42	.01	.01	1
125912	3	14	9	79	.2	8	32	885	8.52	2	5	ND	1	20	.2	6	2	206	5.80	.145	8	23	.99	14	.39	12	3.87	.03	.01	2
125913	2	8	22	49	.2	2	22	457	7.81	4	7	ND	1	22	1.1	10	4	195	7.83	.118	8	16	.61	9	.24	17	5.28	.02	.01	3
125914	6	22	8	136	.1	7	9	332	12.20	2	5	ND	1	4	.2	9	2	255	.34	.121	4	32	1.66	76	.49	3	1.95	.04	.01	1
125915	1	18	5	37	.1	5	8	591	9.82	2	5	ND	1	7	.2	11	2	268	.91	.128	6	22	1.96	31	.61	6	2.29	.03	.02	1
125916	1	27	2	82	.1	11	19	617	5.68	2	5	ND	1	15	.8	8	2	122	3.10	.070	6	19	1.53	39	.40	5	2.41	.04	.02	1
125917	35	15	12	134	.3	21	17	579	21.07	20	5	ND	2	6	2.1	12	2	158	.82	.212	8	19	1.59	6	.41	3	1.40	.03	.01	5
125918	62	5	15	139	.2	21	11	475	21.07	26	5	ND	2	4	1.9	10	2	112	.58	.128	5	14	1.20	6	.30	2	1.03	.02	.01	1
125919	2	3	7	172	.1	3	5	815	5.79	4	5	ND	2	21	1.1	14	2	39	5.00	.064	10	12	2.82	8	.22	3	6.54	.01	.01	1
125920	1	26	24	73	.3	16	24	777	20.24	4	5	ND	2	4	.8	16	2	246	.72	.104	6	26	2.79	11	.54	6	2.85	.03	.01	2
125921	1	22	18	70	.1	8	18	626	11.79	2	5	ND	1	6	.2	12	2	149	1.02	.101	7	18	1.75	18	.41	6	1.83	.04	.01	1
125922	1	17	15	57	.1	7	17	496	11.19	2	5	ND	1	5	.2	9	2	125	.77	.060	5	20	1.50	29	.35	6	1.45	.05	.02	1
125923	1	36	13	112	.1	14	30	629	12.96	2	5	ND	1	8	.2	10	2	306	1.43	.099	8	32	1.36	17	.61	6	1.61	.04	.01	1
125924	2	35	14	79	.2	13	29	520	17.14	2	5	ND	1	4	.2	11	2	300	.77	.094	5	28	2.05	9	.61	2	1.91	.04	.01	2
125925	1	24	2	98	.1	13	24	958	5.80	2	5	ND	1	34	1.2	8	2	197	4.81	.088	7	16	1.07	22	.53	10	2.26	.06	.03	1
128703	9	20	15	50	.2	11	25	439	13.59	2	5	ND	1	4	.8	13	2	186	.87	.083	4	28	1.86	11	.41	2	1.86	.04	.01	1
128704	1	21	2	113	.1	15	27	660	8.46	2	5	ND	1	11	.2	9	2	224	1.95	.116	9	29	1.78	22	.45	2	1.64	.04	.01	1
128706	1	29	8	93	.1	15	24	595	13.92	2	5	ND	1	24	.3	14	2	216	1.68	.092	8	35	3.18	33	.48	6	4.37	.04	.02	1
128707	1	19	17	60	.2	15	21	516	11.22	9	5	ND	1	5	.8	14	2	242	.84	.122	5	31	2.66	23	.57	6	2.54	.04	.01	1
128708	1	29	6	73	.1	13	22	584	10.61	2	5	ND	1	5	.3	8	2	288	.96	.107	6	27	1.14	25	.60	6	1.39	.04	.01	1
STANDARD C	19	63	44	133	7.3	73	32	1053	3.97	40	17	8	37	53	18.5	15	23	57	.51	.095	38	59	.87	180	.08	35	1.88	.06	.14	11

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
128728	1	20	5	53	.1	8	13	337	2.64	6	5	ND	1	42	.3	2	2	78	9.95	.035	3	16	.77	7	.30	4	2.55	.01	.01	1
128729	1	30	6	82	.1	12	20	651	5.23	2	5	ND	2	15	2	2	2	129	1.53	.062	6	14	1.80	72	.53	4	2.31	.04	.02	1
131202	7	24	7	50	.1	10	21	589	13.20	2	5	ND	1	11	1.2	2	2	169	1.40	.058	5	10	2.62	26	.40	2	2.83	.04	.02	1
131203	1	15	4	94	.1	14	23	637	7.23	2	5	ND	1	9	2	2	2	209	.93	.097	9	27	3.22	43	.59	2	2.39	.03	.03	1
STANDARD C	19	59	41	131	7.1	72	31	1047	3.95	44	18	7	39	53	18.5	15	21	57	.52	.095	39	60	.89	181	.09	34	1.89	.06	.14	12

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: BALL CREEK

CODE : 9008-060

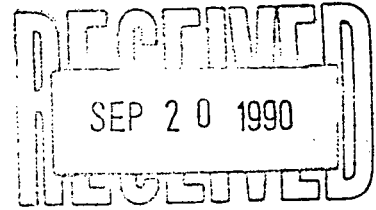
Project No. : 289
Material : 40 RX
Remarks : 728 SOILS

Sheet: 1 of 11
Geol.: M.S.

Date rec'd: AUG 14
Date compl: SEPT 13

Values in PPM, except where noted.

P.T. No.	SAMPLE No.		PPB Au
2	125895	ROCK	5
3	125896		5
4	125897		5
5	125898		5
6	125899		5
7	125900		5
8	125901		5
9	125902		5
10	125903		5
11	125904		5
12	125905		5
13	125906		5
14	125907		5
15	125908		5
16	125909		5
17	125910		5
18	125911		5
19	125912		5
20	125913		5
21	125914		5
22	125915		5
23	125916		5
24	125917		5
25	125918		5
26	125919		5
27	125920		5
28	125921		5
29	125922		5
30	125923		5
31	125924		5
32	125925		5
33	128703		5
34	128704		5
35	128706		5
36	128707		5
37	128708		5
38	128728		5
39	128729		5
40	131202		5
41	131203	ROCK	5
42	12200N-10000E	SOIL	5
43	10025		5
44	10050		5
45	10075		5
46	10100		5
47	10125		5
48	10150		5
49	10175		5
50	10200		5
1	10225		5
2	10250		5
3	10275		5
4	10300		5
5	10325		5
6	10350		5
7	10375		5
8	10400		5
9	10425		5
10	10450		5
11	10475		5
12	12200N-10500E		5
13	12000N-10000E	SOIL	5



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

Ball Cr. (MS)

DATE RECEIVED: JUN 20 1990

DATE REPORT MAILED: June 22/90

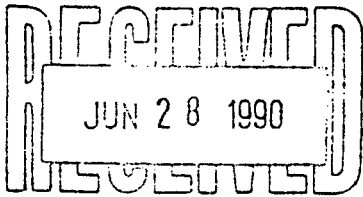
GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9006-037 289 FILE # 90-1895
P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

SAMPLE#	AU* ppb
109055	1
109057	1
109060	6
109076	1
109077	3
109466	5
109471	5
STANDARD AU-R	540

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

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



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BALL CREEK
289.

APPENDIX IX

ROCK SAMPLE DESCRIPTIONS

N.T.S. 104 G/8

PROPERTY Ball Creek

DATE August 11, 1990

ROCK SAMPLE REPORT

PROJECT: 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	SAMPLED BY
					Au Ppb	Ag	Cu	Pb	Zn	As	Sb	
125890	25 m north of 11400N, 10650E on west side of creek, gossaned float boulder, med-dk grey andesite with limonite, Mg staining and 2-4% pyrite stringers	2-4	float blder		1	0.2	16	13	35	2	10	TC
						ppm	ppm	ppm				
125889	12 m north of sample 125890, gossaned andesite with 3-5% pyrite stringers up to 2mm wide	3-5	outcrop		3	0.1	17	5	74	2	6	"
125888	75m south of 11200N along creek on west side gossan zone; med-grey andesite with limonite and 5-10% pyrite stringers up to 2mm wide	5-10	"		1	0.4	24	10	100	5	7	
125887	same location as 125888 same sample type 2 m east of 125888	5-10	"		1	0.4	13	14	72	5	8	"

N.T.S. 104 G/8

PROPERTY Ball Creek

DATE August 11, 1990

ROCK SAMPLE REPORT

PROJECT 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	SAMPLED BY
					Au ppb	Ag	Cu	Pb	Zn	As	Sb	
125890	25 m north of 11400N, 10650E on west side of creek, gossaned float boulder, med-dk grey andesite with limonite, Mg staining and 2-4% pyrite stringers	2-4	float blder		1	0.2	16	13	35	2	10	TC
						ppm	ppm	ppm	ppm	ppm	ppm	
125889	12 m north of sample 125890, gossaned andesite with 3-5% pyrite stringers up to 2mm wide	3-5	outcrop		3	0.1	17	5	74	2	6	"
125888	75m south of 11200N along creek on west side gossan zone; med-grey andesite with limonite and 5-10% pyrite stringers up to 2mm wide	5-10	"		1	0.4	24	10	100	5	7	
125887	same location as 125888 same sample type 2 m east of 125888	5-10	"		1	0.4	13	14	72	5	8	"

PROPERTY Ball Creek

N.T.S. 104 G/8

DATE Aug 6/90

ROCK SAMPLE REPORT

PROJECT 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	SAMPLED BY	
					Au ^{ppm}	Ag	Cu	Pb	Zn	As	Sb							
125899	~ 100 m upstream from line 8200N main grid. grey green andesite with quartz carbonate stringers and blebs < 1% disseminated + stringer pyrite	< 1	outcrop		5		0.2		28		6		88		5		5	TC
							ppm		ppm		ppm		ppm		ppm		ppm	
125898	9 m south of 8400N, 9700E; main grid. along stream gossaned med- dark green andesite with 2-5% pyrite stringers	2-5	"		5		0.3		25		11		55		3		7	"
125897	~ 75 m S of line 8600N on creek. medium grey-green andesite with some qtz/CO ₂ alteration with 1% pyrite v. thin stringers	1	"		5		0.1		31		4		76		.3		8	"
125896	30 m S of line 8600N on main Cr. medium-dk. grey andesite with Fe/Mg staining and qtz/CO ₂ alteration. v. thin pyrite "sheets" (flat stringers) < 1%.	< 1	"		5		0.1		32		5		73		2		5	"

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Ball Creek

N.T.S. 104/G8
 DATE Aug 5/90
 PROJECT: 289

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	SAMPLED BY
					Au ^{ppm}	Ag	Cu	Pb	Zn	As	Sb	
125923	79995N, 10053E; main grid. same gossan area; more g pyrite stringers in andesite	5-10	outcrop		5	0.1	36	13	112	2	10	JC
						ppm	ppm	ppm	ppm	ppm	ppm	
125924	18000N, 10040E; main grid, sample of pyrite stringers + disseminated pyrite in gossaned andesite	2-5	outcrop		5	0.2	35	14	79	2	11	"
125925	15 m north of 8200N, 9550E; main grid medium to dark green andesite trace amount of disseminated and v. thin << 1mm pyrite stringers some qtz + CO ₂ alteration present.	< 1	outcrop		5	0.1	24	2	98	2	8	"
125900	8 m NE of 8200N, 9675E; main grid. medium grey green andesite with Fe/Mg staining trace amount of diss. pyrite and stringers	1-2	outcrop		5	0.2	21	14	45	2	6	"

N.T.S. 104 G/B

PROPERTY Ball Creek.

DATE Aug 5/90

ROCK SAMPLE REPORT

PROJECT: 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	SAMPLED BY
					Au ^{ppm}	Ag	Cu	Pb	Zn	As	Sb	
125919	10 m north of 8000N, 10450E; main grid small fault 160/070 E infilled with quartz and dark green andesite abundant milky white quartz	—	outcrop		5	0.1	3	7	172	4	14	TC
						ppm	ppm	ppm	ppm	ppm	ppm	
125920	18000N, 10075E; main grid. gossaned dark-medium green andesite with pyrite stringers abundant Mg/Fe staining ~ 2-5% pyrite	2-5	outcrop		5	0.3	26	24	73	4	16	"
125921	79980N, 10060E; main grid. from same gossan zone as sample 125920 5-10% disseminated and stringer pyrite	5-10	"		5	0.1	22	18	70	2	12	"
125922	79990N, 10058E; main grid, same area and sample type as above 5-10% pyrite stringers	5-10	"		5	0.1	17	15	57	2	9	"

N.T.S. 104/G

PROPERTY Ball Creek

DATE August 2/90

ROCK SAMPLE REPORT

PROJECT 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
125916	L7400N, 9958E; main grid: mafic porphyry andesite with trace amount of pyrite	<1	outcrop		5	0.1	27	2	82	2	8				TC		
						ppm	ppm	ppm	ppm	ppm	ppm						
125917	e. 7m SW of 9900E, 7400N in creek bed pyrite stringer zone in medium grey porphyry andesite massive pyrite with rusty weathering	>50	outcrop		5	0.3	15	12	134	20	12				"		
125918	1m south of sample 125917 same pyrite stringers, massive pyrite	>50	outcrop		5	0.2	5	15	139	26	10				"		

N.T.S. 104/G

PROPERTY Ball Creek

DATE Aug 2/90

ROCK SAMPLE REPORT

PROJECT 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> G	<input checked="" type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input checked="" type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input checked="" type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input checked="" type="checkbox"/> A	SAMPLED BY
					Au ppm	Ag	Cu	Pb	Zn	As	Sb		
125913	1.5 m south of sample 125912 same outcrop different sample with Fe and Mg staining and small amount of pyrite	< 2	outcrop		5	0.2	8	22	49	4	10	TC	
						ppm	ppm	ppm	ppm	ppm	ppm		
125914	L9800N, 10540E; main grid: dark grey to black andesite, abundant Fe/Mg staining no visible sulfides	-	outcrop		5	0.1	22	8	136	2	9	"	
125915	same location as sample 79224 10100E, 9850N main grid, extremely weathered gossaned boulder of andesite dark grey to black with abundant Fe/Mg staining	-	rubble(?) outcrop		5	0.1	18	5	37	.2	11	"	

N.T.S. 104/GPROPERTY Ball CreekDATE July 31/90

ROCK SAMPLE REPORT

PROJECT: 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input type="checkbox"/> G <input type="checkbox"/> A	<input type="checkbox"/> G <input type="checkbox"/> A	<input type="checkbox"/> G <input type="checkbox"/> A	<input type="checkbox"/> G <input type="checkbox"/> A	<input type="checkbox"/> G <input type="checkbox"/> A	<input type="checkbox"/> G <input type="checkbox"/> A	<input type="checkbox"/> G <input type="checkbox"/> A	SAMPLED BY
					Au ^{ppm}	Ag	Cu	Pb	Zn	As	Sb	
125909	L12200N, 10310E main grid: medium to dark grey andesite with trace amount of pyrite	< 1	outcrop		5	0.1	32	7	11	2	10	TC
						ppm	ppm	ppm	ppm	ppm	ppm	
125910	L12200N, 10260E main grid: grey- green mafic porphyry with small amount of pyrite	< 1	outcrop		5	0.1	33	11	140	2	11	"
125911	10235E, 12193N; main grid: quartz veinlet 292/070 S 12 cm wide ~ 1.5 Km long milky white to light grey in colour in light grey andesite host rock. no visible sulfides	-	outcrop vein		5	0.1	7	4	28	7	2	"
125912	L11800N, 10266E; main grid: medium grey augite (?) porphyry with pyrite along # fractures.	< 2	outcrop		5	0.2	14	9	79	2	6	"

N.T.S. 104/G

PROPERTY Ball Creek

DATE July 30/90

ROCK SAMPLE REPORT

PROJECT 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	SAMPLED BY
					Au ppm	Ag	Cu	Pb	Zn	As	Sb	
125905	L7200N, 9750E main grid gossan, quartz carbonate alteration massive pyrite in andesite	> 50	outcrop		5	0.2	4	4	20	24	2	TC
						ppm	ppm	ppm	ppm	ppm	ppm	
125906	L7200N, 9730E main grid gossaned vesicular basalt(?) with pyrite(?) in matrix of brecciated clasts	~10	outcrop		5	0.1	9	13	65	33	3	"
125907	L7200N, 9675E gossan zone with med-dark grey andesite and small amount of pyrite	< 2	outcrop		5	0.1	28	2	67	.2	8	
125908	L10800N, 10575E extremely weathered black thinly bedded argillite on north bank of stream, some rusty lenses in outcrop 160/35 W° attitude	-	outcrop		5	1.3	117	26	2379	392	27	"

N.T.S. 1041G

PROPERTY Ball Creek

DATE July 30/90

ROCK SAMPLE REPORT

PROJECT 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	SAMPLED BY
					Au ^{ppm}	Ag	Cu	Pb	Zn	As	Sb	
125901	Main grid L7200N, 9800E black massive - thin bedded argillite with sulfide lenses of >90% ^{stibnite} pyrite 1.5 cm thick part of pyrite stringer zone		outcrop		5	0.5	70	13	544	263	25	TZ
						ppm	ppm	ppm	ppm	ppm	ppm	
125902	Main grid 2 m south of sample 125901		outcrop		5	0.6	64	4	641	174	20	"
125903	Main grid 2.5 m north of sample 125901 black arg with sulfides same as 125901		float		5	0.5	67	11	458	224	22	"
125904	Main grid L7200N 9770E gossan zone andesite with trace amount of pyrite lots of Fe and Mg staining		outcrop.		5	0.1	36	6	109	14	7	"

N.T.S. 104 G/8

PROPERTY Ball Creek

DATE August 11, 1990

ROCK SAMPLE REPORT

PROJECT 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	SAMPLED BY
					Au	Ag	Cu	Pb	Zn	As	Sb	
125886	same location area as samples 125888, 125887 gossaned andesite boulder with 10-15% pyrite stringers	10-15	float boulder		1	0.3	21	8	87	2	5	TC
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	
125885	same location as above; black argillite in contact with gossaned andesite; arg. has bands of >50% pyrite upto 3cm. wide	10-20	outcrop		2	1.1	84	44	207	35	10	"
109434	50m south of L11000N, 10425E on west bank of creek. Black argillite with bands of >50% pyrite thickness between 2mm and 30mm limonite and some Mg staining	10-20	outcrop		1	1.0	74	38	443	.46	12	"

PROPERTY Ball Creek

N.T.S. 104 G/8

DATE August 12, 1990

ROCK SAMPLE REPORT

PROJECT 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	SAMPLED BY			
					Au	Pb	Ag	Cu	Pb	Zn	As	Sb						
125891	~ 100m south of 11200N 10500E med-dk grey andesite with dissem. and pyrite stringers 3-5% pyrite	3-5	outcrop		1		0.3		23		2		30		2		5	TC
125893	20m south of sample 125891 gossaned rubble of med grey-green andesite with 3-5% pyrite in stringers	3-5	float rubble		1		0.3		25		2		50		2		8	"
125894	~ 5m North of 9800N 10175E. highly weathered gossaned lenses in black argillite friable and almost gravel/soil		weathered outcrop		3		0.7		25		33		285		44		3	"
109432	See map 1:10000 Ball 9 med-green grey andesite with pyrite stringers 2-3% pyrite	2-3	outcrop		1		0.3		15		21		83		23		8	KJ

N.T.S. 104 G/8

PROPERTY Ball Creek

DATE August 11, 90

ROCK SAMPLE REPORT

PROJECT 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	SAMPLED BY
					Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	
109426	see 1:10,000 map of Ball 9; med grey andesite with limonite and Mg staining and 5-7% pyrite	5-7	outcrop		3	0.5	29	13	49	2	7	TC
						ppm	ppm	ppm	ppm	ppm	ppm	
109427	same location as sample 109426 same sample from gossan area on ball 9 5-7% pyrite semi massive stringers	5-7	"		1	0.5	20	18	60	2	6	"
109428	see map of Ball 9 claim; med-grey andesite with pyrite stringers in gossaned outcrop, 2-5% pyrite	2-5	"		2	0.5	26	11	90	11	10	"
109429	same as 109428 massive pyrite stringers 1mm wide in gossaned andesite	2-5	"		1	0.6	29	15	139	.45	15	"
109430	same as 109428 pyrite stringers in andesite gossan zone	2-5	"		1	0.4	23	14	155	15	10	"
109431	North of 109428 etc., pyrite stringers in black argillite, gossaned	2-5	"		1	1.1	55	23	279	45	8	"

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 104 G/B

PROPERTY Ball Creek - 289

DATE Aug 8, 1990

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS							SAMPLED BY
				Au	Ag	Cu	Pb	Zn	As	Sb	
104351	20x20x20 cm angular block, black shale with chalcedonic blue quartz veining	float		1 ppb	.1 ppm	4 ppm	2 ppm	7 ppm	5 ppm	2 ppm	EG
104355	Subangular 20x20x10 cm weakly rusty weathering cherty matrix tuff. Fragments are subrounded to angular cherty (siliceous) fragments/clasts of pebble size. Matrix also siliceous.	float		1	.2	7	10	45	11	2	EG
104363	Andesitic crystal tuff, moderately siliceous, with weakly brecciated texture. Rusty weathering with 2-10% very fine grained pyrite in partly patches	subcrop		1	.3	7	9	34	10	2	EG

N.T.S. 104 G/8

PROPERTY Ball Creek

DATE Sept 8, 1990

ROCK SAMPLE REPORT

PROJECT 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	SAMPLED BY
					Au (ppm)	Ag	Cu	Pb	Zn	As	Sb	
129879	- 150 m east and 75 m north of L 10800N 11000E. grey-white andesite, amphanitic; Fe-stained; calcite nodules (2-4mm wide); 3-6% py string	3-6	outcrop		5	0.5	25	2	183	3	2	D.G.
129880	- as above	3-6			5	0.4	31	6	74	5	2	
129881	- 50 m north of L 10400N 10200E. black argillite w/ pyrite layers (2-3mm wide) within 4-7%.	4-7			14	1.1	73	44	779	30	13	
129882	- as 129881											
129883	- 50 m south of station L 8000N 10275E gry-green andesite, amphanitic; Fe, Mn stained; 5-7% pyrite, dissem + string. - in contact w/ black argillite	5-7			2	1.6	103	56	918	82	14	
					2	0.3	22	2	68	5	3	

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 104 G/8

PROPERTY Ball Crk

DATE _____

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS							SAMPLED BY
				Au (ppb)	Ag	Cu	Pb	Zn	As	Sb	
128713	100 m South of L 7000N 10100E (see 1:5000 compilation map Ball Crk) grey-green andesite; slight CO ₂ alt (veining); < 2% py string	outcrop		3	0.3	66	3	90	14	6	DG
131210	100m South of L 7000N 10300E grey-green andesite w/ small augite? phenocrysts; minor calc veining; 2-3% py string + dissem	outcrop		1	0.1	12	9	92	16	10	"
131211	as 131210	outcrop		1	0.2	13	11	48	45	12	"
131212	as 131210	outcrop		1	0.1	20	13	80	13	9	"
131214	75m North of L 11200N 10950E gy-green andesite; < 2% py string + dissem	outcrop		1	0.1	35	13	126	9	14	"
128715	grey-black Argillite w/ py lenses + pods 2-3%	Float		1	0.6	53	22	316	58	7	"
128714	gy-green Andesite; 3-4% py dissem + string.	outcrop		3	0.3	22	2	46	2	7	"

N.T.S. 104 G/B

PROPERTY Ball Creek

DATE August 10, 1990

ROCK SAMPLE REPORT

PROJECT 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input type="checkbox"/> G <input type="checkbox"/> A	<input type="checkbox"/> G <input type="checkbox"/> A	<input type="checkbox"/> G <input type="checkbox"/> A	<input type="checkbox"/> G <input type="checkbox"/> A	<input type="checkbox"/> G <input type="checkbox"/> A	<input type="checkbox"/> G <input type="checkbox"/> A	<input type="checkbox"/> G <input type="checkbox"/> A	SAMPLED BY
					Au (ppb)	Ag	Cu	Pb	Zn	As	Sb	
131205	50m South of L 11200N 10100E grey-green; amphanitic; small (1-2mm) black phenocrysts augite?; amygdules (1-2mm) in filled with calcite; pyrite stringers + dissem 2-3%. Andesite	2-3	outcrop		10	0.3	25	7	68	2	6	Dennis Graca
131206	L 11000N 10100E (1-2mm) grey-white; amphanitic; small black phenocrysts augite?; pyrite stringers <2%. Andesite	<2%	outcrop		2	0.1	24	3	97	2	10	//
131207	refer to 1:10000 scale map Ball Crk 3-10 claims grey-green, fine grained, Fe/Mn stained 3-4% dissem + stringers pyrite Andesite	3-4%	outcrop		1	0.1	22	14	73	9	9	"
128710	as 131207 except small (1-2mm) black phenocrysts Augite	3-4%	outcrop		3	0.2	26	2	61	17	12	"
128709	- as 131207	3-4%	outcrop		1	0.1	11	2	89	2	4	"
128717	as 131207				2	0.2	34	4	82	20	8	"
128711	as 131207				1	0.1	32	2	74	21	7	"
131209	as 131207				1	0.2	19	2	78	27	12	"
131208	as 131207				1	0.2	22	13	75	30	14	"

N.T.S. 104 G/8

PROPERTY Ball Creek

DATE August 13th, 1990

ROCK SAMPLE REPORT

PROJECT: 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	SAMPLED BY
					Au ppb	Ag	Cu	Pb	Zn	As	Sb		
105448	Float, 2m by 5m, slightly ^{Andesite} containing 3% py, py also diss and in veins, some Qtz eyes present	3	Float	—	3	0.3	8	16	55	8	2		
105449	Float, 30 by 30cm, semi-rounded, siliceous light grey to green, fine grained int, large Qtz patches, 4% py	4%	Float	—	1	0.3	8	14	29	16	2		
129701	sheared (crenulation) silicified grey-brown tuff	0	grab	—	1	0.1	8	13	70	3	2	SDH	
129702	silicified, rusty red, Andesite several fractures 0.2m diam	0	Float	—	1	0.2	9	24	13	21	2	IDT	
129703	siliceous (orbicular weathering) Andesite with 1-2 mm calcite veins. white-tan weathering	minor	grab	—	2	0.1	12	2	34	2	3	SDH	
129704	patchy round clay weathered brown Andesite - Basalt	0	chip/Grab	0.3m	2	0.1	4	9	72	2	2	SDH	

N.T.S.

10468

PROPERTY Ball Creek

DATE

June 12

ROCK SAMPLE REPORT

PROJECT

289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> A	<input type="checkbox"/> A	<input type="checkbox"/> A	<input type="checkbox"/> A	<input type="checkbox"/> A	<input type="checkbox"/> A	<input type="checkbox"/> A	SAMPLED BY
					g	g	g	g	g	g		
109055	Brecciated andesite flow with contemporaneous quartz veining	trace	pyrite		1							GV
					ppb							
109057	Pyrite mineralization in a silicified altered shear zone. Sample taken from andesite wall rock	3%	Pyrite									GV
109060	Sample taken from the most silicified zone zone in the above shear zone. The sample has a porcelainous texture.	1%	pyrite		6							GV
109076	Andesite with Iron Carbonate alteration + Pyrite stringers	1%	Pyrite		1							BF
109077	Sheared Andesite finely disseminated Pyrite throughout	2%	Pyrite		3							BF

G = GEOCHEM

A = ASSAY

N.T.S. 104/G
 DATE Aug 2/90
 PROJECT 289

PROPERTY Ball Creek

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> G	<input checked="" type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input checked="" type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input checked="" type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input checked="" type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input checked="" type="checkbox"/> A	SAMPLED BY
					As	Ag	Cu	Pb	Zn	As	Sb				
131203	- 150m west of L 11000N 11000E Fine grained; greyish-white; calcite amygdaloids (1-2mm wide); mafic phenocrysts (1-2mm); iron + manganese stained; epidote 1-2%; finely disseminated pyrite 2-3% - Vesicular Andesite (?) w/ calcite, quartz alteration	2-3	outcrop		5	0.1	15	4	94	2	2				DG
131202	- L 11200N 10500E Fine grained; greyish-white; calcite amygdaloids (1-4mm); mafic phenocrysts (1-2mm) (augite?); manganese + iron stained; pyrite stringers + finely disseminated pyrite Vesicular Andesite w/ calcite, quartz alteration				5	0.1	24	7	50	2	2				DG
128703	- as above				5	0.2	20	15	50	2	13				DG
128704	- L 9600N 10500E - as 131202 except no pyrite stringers				5	1	21	2	113	2	9				"
128706	- L 7600N (10050E) - same as 131202 except calcite vined also				5	0.1	29	8	93	2	14				"
128729	- as above (128706)				5	0.1	30	6	82	2	2				"

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 104 G/8
 DATE August 18/90

PROPERTY Ball Creek

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS						SAMPLED BY	
				Au ^(ppm)	Ag	Cu	Pb	Zn	As		Sb
125932	gossan on SW slope of creek valley on Ball 1 claim, blue grey andesite with < 1% pyrite disseminated	outcrop		1	0.2	16	13	66	29	3	TC
					ppm	ppm	ppm	ppm	ppm	ppm	
125882	L19000N, 9953E blue green andesite with minor amount of Fe/Mg staining and 1% dissem. pyrite	outcrop		1	0.1	7	9	63	4	2	"
125881	L19000N, 9570E medium grey-green andesite with 1-2% disseminated pyrite weathers dark grey.	"		2	0.1	10	6	139	2	2	"

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 104 G/B

PROPERTY Ball Creek

DATE August 18/90

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS							SAMPLED BY
				Au(ppb)	Ag	Cu	Pb	Zn	As	Sb	
125928	Ball 1 claim west of the snow field gossaned andesite with 1-2% diss. pyrite	outcrop		2	0.1	9	5	29	2	2	TZ
					ppm	ppm	ppm	ppm	ppm	ppm	
125929	Ball 12 claim south western corner of claim dark grey andesite with minor amount of Fe staining and 1-2% disseminated pyrite	"		2	0.1	18	2	107	5	2	"
125930	Ball 12 claim ~ 400m east of sample 125929 med to dark green andesite with moderate Fe/Mg staining and 2-5% pyrite in stringers and disseminated	"		1	0.6	60	43	116	115	2	"
125931	Ball 1 claim south side of major creek valley gossan zone with dk grey andesite containing ~ 1% of disseminated pyrite.	"		1	0.1	2	7	77	9	2	"

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Ball Creek

N.T.S. 104 G/8

DATE August 18/90

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS							SAMPLED BY
				Al ₂ O ₃ (ppm)	Ag	Cu	Pb	Zn	As	Sb	
109371	BL 10,000E, 18195N; blue grey gossaned andesite boulder with qtz carbonate alteration and massive pyrite stringer up to 4mm thick, can see cube faces up to 1mm wide approx. 5-7% pyrite.	float		4	0.1	25	5	59	19	2	KJ
					ppm	ppm	ppm	ppm	ppm	ppm	
125876	2 m SW of sample 125877 gossaned andesite with 3-5% pyrite in stringers and disseminated			1	0.3	23	5	58	54	4	"
125926	30 m downstream from where BL 10,000E crosses creek ~ (18385N) gossaned andesite with 5-7% pyrite in stringers and disseminated			2	0.1	11	2	152	5	2	TC
125927	92 m upstream from 18400N, 10100E; black thinly bedded argillite with Fe and some Mg staining 30/040 SE and possible stibnite(??).			2	1.3	52	38	510	57	15	"

PROPERTY Ball Crk

DATE _____

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS							SAMPLED BY
				Au (ppm)	Ag	Cu	Pb	Zn	As	Sb	
131218	L 18450 N 10000 E Dark grey andesite; Fe, Mn stained; amphanitic; Calcite nodules (1-3mm); Pyrite stringers and disseminated 2-5%	outcrop		1	0.1	22	2	67	6	2	D.G.
					ppm	ppm	ppm	ppm	ppm	ppm	
131219	L 18500 N 9950 E Dark-Mid grey andesite; fine grained; Fe stained; CO ₂ alteration; Pyrite stringers and dissem 2-5%	outcrop		2	0.1	27	2	135	7	2	"
131220	L 18550 N 9950 E Dark-Mod. grey andesite; amphanitic Fe stained; CO ₂ alteration; Pyrite strg + dissem 3-6%	outcrop		1	0.1	19	2	90	2	2	"
131221	L 19200 N 9000 E Grey-white Andesite; amphanitic; Fe stained; CO ₂ alt; dissem py. 3-5%	outcrop		2	0.1	8	6	67	2	2	"
131222	L 19200 N 9925 E Grey-white Andesite; amphanitic; Fe - stained; dissem py 3-6%	outcrop		1	0.1	11	5	53	5	2	"

N.T.S. 104 G/8PROPERTY Ball Crk

DATE _____

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS							SAMPLED BY
				Au (ppb)	Ag	Cu	Pb	Zn	As	Sb	
131223	L 19200 N 19975 E Grey-white Andesite; amphanitic; py dissem + str	outcrop		1	0.2	9	6	86	2	2	D. G
					ppm	ppm	ppm	ppm	ppm	ppm	
131224	L 18950 N 9650 E Grey-white Andesite; amphanitic; CO ₂ alt; py string + dissem 3-5%	outcrop		2	0.1	6	9	89	2	2	
131217	L 18350 N 10000 E Grey-green Andesite; amphanitic; py string + dissem 3-5%	outcrop		1	0.1	13	2	57	2	2	
109409	50m west of L 18400 N 10400 E grey andesite; amphanitic	outcrop		2	0.4	25	3	79	29	2	
109410	py string + dissem 3-5%			2	1.8	21	2	76	10	4	
109411				1	0.1	22	3	119	8	2	
109412	50m west of L 18600 N 10350 E grey-green and; amphanitic; calc amyg (3-4mm) (CO ₂ alt); 2-3 py string + dissem,	outcrop		1	0.2	29	9	97	33	3	
131225	see 1:50000 map Ball Claims grey-green andesite; amphanitic; py < 2% dissem + string	outcrop		1	0.1	24	7	82	7	2	

N.T.S. 104/68
DATE Aug 18/90PROPERTY Ball Cr.

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS						SAMPLED BY	
				Al (ppb)	Ag	Cu	Pb	Zn	As		Sb
125880	18600N, 10275E in creek bed, massive pyrite veinlet or lens, up to 3cm wide 25cm long 20/060E ~ >90% pyrite hosted by black argillite	outcrop		1	1.0	35	42	212	120	6	TC
					ppm	ppm	ppm	ppm	ppm	ppm	
125879	18600N, 10150E; medium blue grey andesite gossaned with abundant limonite and Mg staining ~ 1-2% pyrite in stringers and disseminated	outcrop		1	0.2	13	5	84	15	2	"
125878	SE of L 18000N on side slope of Mtn; blue grey andesite from gossan zone with 1-2% pyrite	"		2	0.1	22	2	87	76	2	"
125877	30m SW of sample 125878; gossaned andesite with 2-5% pyrite in stringers and disseminated through out.			1	0.1	7	4	73	23	2	"

N.T.S. 104 G/8

PROPERTY Ball Creek

DATE August 13/90

ROCK SAMPLE REPORT

PROJECT 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> G	<input checked="" type="checkbox"/> A	<input type="checkbox"/>	<input checked="" type="checkbox"/> G	<input checked="" type="checkbox"/> A	<input type="checkbox"/>	<input checked="" type="checkbox"/> G	<input checked="" type="checkbox"/> A	<input type="checkbox"/>	<input checked="" type="checkbox"/> G	<input checked="" type="checkbox"/> A	<input type="checkbox"/>	SAMPLED BY
					Au ppb	Ag	Cu	Pb	Zn	As	Sb						
129705	Qtz vein 10cm wide in Brown weathered Andesite	0	Float	-	1	0.1	6	2	5	2	2						JDH
129706	pyritic Altered Argillite Breccia Tan-rusty weathering minor carbonite stringers	15	Float	-	6	0.1	3	34	5	62	8						JDH
129707	pyritized, silicified, fine grained grey rock with rusty weathering 0.4m x 0.3m	5%	Float	-	2	0.1	7	5	10	2	2						JDH
129708	silicified fine grained grey rock with rusty brown weathering	2	Float	-	2	0.1	8	14	7	2	2						JDH
129709	silicified Qtz eye porphyry with small pyrite veins	5	Float	-	1	0.2	6	9	45	8	2						JDH
129710	pyrite in Qtz vein and in Argillite. Qtz vein 3mm wide limonite weathering	2	Float	-	2	0.1	10	71	60	96	2						JDH

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 104 G/E

PROPERTY Ball Cr.

DATE Aug 11, 1990

SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	TYPE	WIDTH	ASSAYS GEOCHEM							SAMPLED BY
				Au(ppm)	Ag	Cu	Pb	Zn	As	Sb	
131213	L 11600N 10950E grey-green Andesite w/ small (1-2mm) black phenocrysts (Augite?); qtz veining and nodules; 3-5% py string + dissem.	outcrop		1	0.1	8	2	84	2	12	DG
131215	50m South of L 11200N 10500E grey-green Andesite; 3-5% py string + dissem	outcrop		1	0.1	20	2	65	2	6	"
128730	50m South of L 11200N 10500E Breccia - Fe cemented fragments of Andesite	float		2	0.3	33	3	83	5	5	"
109433	100m South of L 11200N 10500E grey-green Andesite w/ augite? phenocrysts (1-2mm); 3-5% py string + dissem.	outcrop		2	0.5	24	20	82	2	7	"
128730	50m South of L 11200N 10500E	float									
128730	50m South of L 11200N 10500E	float									
125892	100m South of L 11200N 10500E - same as 131215	outcrop		1	0.3	21	6	45	2	6	

PROPERTY Ball Creek

N.T.S. 104G/8

DATE Aug 13/90

ROCK SAMPLE REPORT

PROJECT: 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	G	G	G	G	G	G	SAMPLED BY
					A	A	A	A	A	A	A	
					Au (ppb)	Ag	Cu	Pb	Zn	As	Sb	
129601	altered andesite with rusty weathering with 50m extent, strike 160°	1	chip	5m	1	0.7	11	58	148	8	2	C.S.
129602	rusty weathered highly altered rock	5	float		1	0.2	22	7	34	2	2	C.S.
129603	rusty andesite with disseminated sulphides	2	float		2	0.2	2	2	132	2	7	C.S.
129604	highly altered andesite, crumbly	20-40	float.		1	0.3	4	8	79	2	7	C.S.
129605	very fine grained disseminated sulphides in a darker matrix (andesite or silt?)	15-20	float		1	0.1	17	8	56	3	2	C.S.
129607	pyrite disseminated in andesite with rusty weathering	40-50	float		1	0.1	4	2	44	17	2	C.S.
129608	Andesite with glassy amygdals and disseminated pyrite	10	float		2	0.1	14	15	65	2	2	C.S.

N.T.S. 104G/8

PROPERTY Ball

DATE Sept 19

ROCK SAMPLE REPORT

PROJECT 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> G	<input checked="" type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input checked="" type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input checked="" type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input checked="" type="checkbox"/> A	SAMPLED BY
					As	Ag	Cu	Pb	Zn	As	Sb		
104737	Silicified grey volcanic with 10% vfg disseminated pyrite Local epidote alteration Rusty Fracture	10%	FL+		12	.9	230	21	13	21	2	EG	
104738	30x20x20 subang. block of qtz vein breccia with silicified andesite fragments malachite stained w/ 1-2% cpy. qtz has local vuggy drusy texture	1-2	FL+		590	9.4	3326	185	396	35	2	"	
104739	Fine pyritic andesite breccia with several fine calcite cemented w/ 10% disseminated small 10cm ang flt		FL+									"	
104740	Qtz vein breccia with vuggy qtz and frag and ± 1% dissem cpy	1%	FL+		12	1.8	802	54	1448	10	2	"	
104741	5-10% pyritic andesite breccia with several fine galena bearing calcite veins 50cm very angular bolter	5-10	FL+		17	.9	176	315	76	53	2	"	

PROPERTY Ball Creek (289)

DATE August 13th, 1990

ROCK SAMPLE REPORT

PROJECT 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	<input checked="" type="checkbox"/> G <input type="checkbox"/> A	SAMPLED BY
					Au ppb	Ag	Cu	Pb	Zn	As	Sb	
105891	travertine, with abundant qtz, white to light brown, granular masses	—	float	—	1	0.1	5	3	4	3	2	JWF
105892	4.0cm semi-rounded possible clay alt (qtz?) No sulphides, light brown to pink	—	float	—	1	0.1	4	10	35	2	2	JWF
105893	Rusty red weathered vein 1m by 5m, possible clay alt due to shearing, Hemite abundant		chip	1m	1	0.7	41	18	88	51	10	JWF
105895	float from inaccessible gossan 25m up, red weathered silicious andesite, light grey fine grained, 3% py	~3%	float	—	2	0.3	20	21	130	13	4	JWF
105896	float from inaccessible gossan 25m up, pyrite alt andesite, light grey fine grained,	15%	float	—	1	0.2	11	18	19	30	2	JWF
105898	float, semi rounded weathered rusty red andesite, containing up to 2cm qtz "eyes" with py concentrated at contacts, 3% py total, slightly silicious	3%	float	—	1	0.2	8	13	14	10	2	JWF

PROPERTY Ball Creek

N.T.S. 104 G/8

DATE Aug 13 1990

ROCK SAMPLE REPORT

PROJECT 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> A <input type="checkbox"/>	<input checked="" type="checkbox"/> A <input type="checkbox"/>	<input checked="" type="checkbox"/> A <input type="checkbox"/>	<input checked="" type="checkbox"/> A <input type="checkbox"/>	<input checked="" type="checkbox"/> A <input type="checkbox"/>	<input checked="" type="checkbox"/> A <input type="checkbox"/>	<input checked="" type="checkbox"/> A <input type="checkbox"/>	SAMPLED BY
					Au(ppb)	Ag	Cu	Pb	Zn	As	Sb	
129220	10cm subrounded cobble of locally siliceous, pyritic, grey, silty rock. 15% very fine grained disseminated py. Rusty weathering.	15	float		1	0.2	8	27	73	8	2	EG
129224	Andesitic tuff; hornblende crystal tuff with 10-15% fine grained disseminated and patchy pyrite; a few very fine pyritic quartz veinlets.	10	float		3	0.3	9	12	78	2	2	EG
129225	Silicified andesite with 5% fine gr. disseminated py. 12cm. Rusty weathering.	5	float		1	0.2	11	9	14	6	2	EG
106951	10cm piece multiply fractured quartz vein w/ white and clear qtz. Barren. well rounded.	0	float		1	0.2	5	4	26	2	2	E.G.
106952	Brecciated andesite with chalcedony and quartz matrix. Sub angular.		float		1	0.2	5	16	12	13	4	E.G.

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Ball

N.T.S. 104 G/8

DATE Sept 19

ROCK SAMPLE REPORT

PROJECT 289

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	SAMPLED BY					
					Ag	Cu	Pb	Zn	As	Sb								
104746	Carbonate veins w/gal (10%) and 1-2% cpy in andesite host		Flt		4		3.0		1178		18495		3127		21		5	EG
104747	30cm ang float boulder coarse vuggy gtz veins w 3-5% disseminated epy in silicified andesite host		Flt		46%		22.4		6394		192		112		50		2	"
104748	Qtz vein stockwork in silicified diorite 5m x 50m long 0.2% trace trace pyrite vuggy with drusy text		Old		260		.8		22		90		122		12		2	"
134443	Andesite hosted carbonate veins containing cpy, pyrite, arsenate and local epidote staining		Flt		15		1.5		726		55		106		.12		3	"
134444	Slight malachite staining in extremely silicified andesite rock. Finely disseminated pyrite. Flt sample probably only m. or < 5m from Dk.		Flt		16%		2.3		543		461		529		36		15	"

N.T.S. 1046/8

PROPERTY Ball

DATE Sept 19

ROCK SAMPLE REPORT

PROJECT: 289

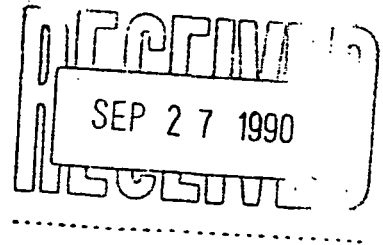
SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	<input checked="" type="checkbox"/> G	<input type="checkbox"/> A	SAMPLED BY
					Ag ^{pp}	Ag	Cu	Pb	Zn	As	Sb						
104742	±150ft above 104734-41 Carb veinlet w cpy galena in dark green andesite (chloritic)		F/t		9		31.1	15663	3091	14725	13	3					EG
104743	±10 above 742 Vuggy diorite btx with drusy gtz cement Trace cpy in veins w/epidote and orange brown garnet masses .5 x .5 in zone Approx 055 / 90° trend		O/C		160		1.2	643	27	203	46	2					"
104744	100' above 743 silicified contact between upper diorite contact and andesite. Minor Mal & Az staining on some Fractures Small lens like 2.5m x 15cm body 16° / 90°		O/C		77		1.5	455	1955	1986	7	2					"
104745	4cm thick bedded gtz veins w/d rhyolite in veins mineral 290 cpy + malst. 5-10% w/hae pyrite slightly rusty apparent		F/t		150		7.3	1202	13261	8846	27	2					"

APPENDIX X

PETROGRAPHIC REPORT

Sample A

Dacite



General description

Weak porphyritic felted plagioclase in an interstitial altered matrix of chlorite, with clusters of pumpellyite(?). Disseminated subhedral quartz grains. Abundantly scattered irregular grains and clusters of microgranular sphene. Traces of disseminated pyrite, trace chalcopyrite.

Stained slab indicates irregular K-feldspar distribution.

Microscopic description

Phenocrysts:

Plagioclase; 35%, subhedral, (.05 to >1.5 mm), elongate laths, open felted texture with interstitial chlorite, pumpellyite(?). Very weak dusting of alteration. Twinning indicates composition in andesine range.

Groundmass

Chlorite; 30%, anhedral, (<.05 to 0.1 mm), plumose felted.

Quartz; >5%, subhedral/anhedral, (<.05 to 0.3 mm, generally <0.2 mm) some subhedral regular outlines, uniformly disseminated throughout groundmass. Uniaxial (+).

K-feldspar; <10%, anhedral interstitial, indicated by poorly developed stain on stained slab. Not confirmed in thin section

Sphene; <10%, anhedral, (microgranular to .05 mm), abundantly disseminated very irregular grains and microgranular clouding of aggregates of grains. Subopaque to translucent, high birefringence, high relief.

Amygdules; <10%

Chlorite; <5%, anhedral (<.05 to 0.21 mm), few scattered ovoid to irregular rounded clots with sharp outlines.

Pumpellyite(?); <5%, anhedral, (<.05 to 0.2 mm), clusters of fibrous/acicular grains, strong pleochroism vivid green to brown, close association with chlorite. Not all clusters in amygdules, some are interstitial to plagioclase.

Reflected light

Pyrite; traces, anhedral, (<.01 to .03 mm)

Chalcopyrite; trace, anhedral, (<.01 to .02 mm).

Sample "B"

Amygdaloidal rhyolite

General description

Groundmass of irregular disrupted lensoids of quartz granules surrounded by lobate microgranular dusting extending outwards into K-feldspar-rich matrix. Suggests a welded texture. Very sparsely disseminated coarser K-feldspar phenocrysts. The groundmass contains <5% amygdules of multigeneration, multitexture quartz/chalcedony (agate) infilling.

Opaque: hematite, lesser pyrite.

Microscopic description

Groundmass

K-feldspar; 60%, anhedral, (<.01 to 0.1 mm) aggregates of irregular grains as groundmass among irregular worm-like lensoids of aggregates of quartz.

Plagioclase; <5%;?, subhedral, (<.01 to 0.2 mm) few laths, suggestion of twinning. Not conspicuous by etching on slab.

Quartz; 30%, anhedral, (<.01 to 0.1 mm) aggregates of irregular grains forming elongate irregular worm-like laminae, foliated/layered.

Jarosite/iron stain

Phenocrysts

K-feldspar; <1%, euhedral, (.04 to >1.0 mm). Stained slab shows K-staining but not as intense as groundmass. Partial microgranular alteration dusting. Very weakly disseminated sericite.

Plagioclase; one coarse grain, multiple twinning.

Amygdules

Quartz; <5%, anhedral, (0.2 to >3.0 mm), concentric growths of quartz of varied habit, quartz, chalcedony, agate. Commonly with cores, rims of green biotite, chlorite, iron-stained.

Veinlets; hairline

Quartz

K-feldspar

Sample "B" Continued

Reflected light

Opagues; 2%, anhedral, (microgranular to 0.1 mm) aggregates of irregular grains.

Pyrite; <1%, anhedral/subhedral, (<.01 to .05 mm)

Hematite; >1%, anhedral (<.01 to .05 mm).

Sample "C"

Dacite/andesite; amygdaloidal flow breccia

General description

Lithic fragments are generally monomictic composed of fine to medium grained felted sericitic and dusted altered plagioclase with lesser pyroxene and scattered angular quartz grains. Scattered interstitial clay/chlorite clots.

Groundmass composed of wide spaced felted plagioclase laths with lesser pyroxene grains in interstitial chlorite-rich groundmass.

There are superimposed carbonate, chlorite, lesser quartz-filled "amygdules" many of which have a more fragmental than amygdaloidal appearance. Others have smooth rounded shapes and appear to coalesce. Carbonate is leached from weathered surfaces leaving a weak vesicular texture with vesicles not interconnected.

Stained slab indicates very weak interstitial K-feldspar content. not confirmed in stained slab.

Opagues, magnetite

Microscopic description

Lithic fragments; 40%

Plagioclase; 25%, subhedral, (to 1.0 mm), felted texture, strong sericitic alteration/pseudomorphous replacement.

Pyroxene; 10%, anhedral, (<.05 to 0.4 mm), clusters of grains among altered plagioclase. Confirm. biaxial (+). Inclined extinction.

Quartz; <<5%, anhedral, (<.05 to 0.2 mm) subrounded, widely scattered grains

Opagues; <1, anhedral, (<.01 to >0.3 mm), skeletal structures associated with sphene

Alteration

Sericite; pseudomorphous replacement of plagioclase laths.

Carbonate; <<1%, anhedral, (to 0.1 mm) scattered grains

Sphene; <1%, anhedral, (<.01 to 0.1 mm) scattered irregular grains, clusters of grains.

Clay; <5%, anhedral, microgranular, felted/radiating, clots interstitial to plagioclase. Possibly former amygdules.

Sample "C" Continued

Groundmass- 60%

Plagioclase; 25%, subhedral (<.05 to >1.0 mm) felted laths, very slight alteration dusting.

Pyroxene; <10%, subhedral/anhedral, (<.05 to 0.5 mm) interstitial to plagioclase.

Quartz; <<5%, anhedral, (<.05 to 0.2 mm) subrounded grains.

Alteration

Chlorite; 25%, anhedral, (<.01 to .05 mm), fibrous/plumose, felted to regular layers with fibres growing outwards from walls across layering. Merge with chlorite amygdules.

Carbonate; <1%, anhedral, (<.05 to 0.2), scattered irregular grains, merge with amygdules

Sphene; <5%, anhedral, (<.01 to 0.2 mm), scattered grains, clusters of grains.

Opagues; <1%, anhedral (<.01 to 0.3 mm), skeletal structures, associated with sphene.

Amygdules; (to 0.5 cm)

Carbonate; > chlorite, minor quartz

Reflected light

Magnetite; >5%, euhedral (<.01 to 0.3 mm) skeletal crystals. Isotropic, light blue-grey colour, magnetic. Confirmed.

Sample "D"

K-feldspar-rich sedimentary (?) tuff/trachytic tuff

General description

Bedded (a) very fine "tuffaceous" and (b) slightly coarser component in a very fine "tuffaceous" groundmass.

(a) Fine tuffaceous layers. Composed of microgranular K-feldspar granules forming foliated worm-like masses separated by a very irregular network of microgranular alteration (chlorite?) dusting. Contains widely disseminated slightly coarser grained/silty, weakly foliated fragments of plagioclase, K-feldspar and quartz. Weak discontinuous lensoidal quartz partings in bedding plane.

(b) Slightly coarser/silt-size feldspathic component forms irregular diffuse dark coloured "clouds" in a microgranular tuffaceous groundmass.

Note: Could not distinguish between primary and introduced (if any) K-feldspar.

Microscopic description

Fine tuffaceous layers

K-feldspar; >60%, anhedral, (microgranular) tuffaceous, aggregates of grains in irregular, elongate clusters producing a foliation or layering.

Alteration

Chlorite(?); 25%, anhedral, (microgranular), irregular, worm-like beaded aggregates form a diffuse, discontinuous weakly foliated, network among K-feldspar aggregates. Requires microprobe or X-ray diffraction for positive identification

Sphene; <5%, anhedral, (<.01 to 0.1 mm), single grains and clusters of grains.

Coarser grains; <10%, (<.05 to 0.3 mm), randomly disseminated

K-feldspar <5%, anhedral, featureless sanidine(?). (Confirmed K-feldspar in stained slab).

Quartz <5%, anhedral, sharp angular fragments

Plagioclase <2%, anhedral, show polysynthetic twinning

Sericite; <1%, anhedral, clusters of grains associated with a few feldspar grains.

Sample "D" Continued

Coarser layers:

As for fine fraction but shows a increase abundance of coarser fragments to 20%, (<.05 to 0.3 mm with most grains .05 to 0.1 mm). Relative increase in plagioclase vs. K-feldspar.

Sphene; as for fine fraction.

Veinlets;

K-feldspar

Quartz

Sample "E"

Altered trachytic tuff lithic remnants in trachyandesite.
Rebrecciated

General description

Altered remnants of tuff showing outlines of felted minute bladed, crystal fragment outlines in a microgranular semiopaque matrix. The lithic remnants are surrounded by a coarser diffuse, replacement(?) network of very fine, felted feldspar (plagioclase) laths in a K-feldspar rich groundmass containing scattered interstitial grains and irregular clusters of very fine quartz grains. This fabric has been brecciated with lithic fragments dislocated. The resulting new breccia matrix is composed of fine feldspathic crystal fragments in a tuffaceous groundmass dusted by red-brown alteration. There is superimposed late iron-stained crackle brecciation. Hematite.

Stained slab shows the altered tuff remnants are uniformly composed of K-feldspar. The coarser matrix shows felted needles of plagioclase(?) in a K-feldspar-rich groundmass. The second breccia matrix is less K-feldspar rich and indicates etched plagioclase as a major component.

Microscopic description

(A) Altered lithic tuff fragments (100%)

Feldspar; stained slab indicates K-feldspar only

(a) Feldspar (K-feldspar?); 35%, bladed/acicular, (<.01 to .05 mm), felted texture, very locally show a radiating texture with regular outline indicating pseudomorphic replacement of former mineral grains.

(b) K-feldspar; 55%, anhedral, (microgranular), interstitial to felted bladed feldspar.

Alteration; 10%,
Dusting, red brown

(B) First breccia matrix (100%)

Plagioclase; 30%, subhedral, (<.05 to 0.2 mm), loose felted interlocking. Low plagioclase content indicated by stained slab. Polysynthetic twinning.

K-feldspar; >65%, anhedral, (<.05 to 0.2 mm), interstitial to plagioclase. Weak microgranular opaque/semiopaque alteration dusting.

Quartz; <5%, anhedral, (<.05 to 0.2 mm), random disseminated grains and clusters of grains.

Sample "E" Continued

(C) Second breccia matrix; (100%)

Lithic fragments of (1) and (2) above.

Crystal fragments, K-feldspar and plagioclase from (1) and (2) above.

Plagioclase; stained slab shows the fine tuffaceous groundmass has high plagioclase content. Not confirmed in thin section.

Reflected light

Hematite; <1%, anhedral, (<.01 to .05 mm) in fractures.

Sample "F"

Syenitic/trachytic crystal-lithic tuff (breccia)

General description

A diversity of textures and grain sizes. Groundmass predominantly K-feldspar rich, tuff. Very patchy with finer diffuse patches in a coarser diffuse K-feldspar-rich network which at least locally shows some fracture control. (Impregnation?). A few coarser feldspar fragments are scattered throughout this groundmass. There are a number of irregular shaped (devitrified glass?) clots of a microcrystalline mixture of K-rich material, which is weakly layered/foliated by a worm-like network of chlorite(?). These clots contain scattered coarser feldspar fragments.

In addition the groundmass contains irregular patches and fracture controlled optically continuous masses of sanidine. Quartz is also present as segregation and fracture controlled veinlets composed of grains coarser than the general groundmass.

Microscopic description

Groundmass; trachytic crystal lithic tuff

K-feldspar; 75%, anhedral, (<.01 to 0.2 mm, generally .05 mm), irregular grains, featureless. RI< associated quartz.

Chlorite; 15%(?), anhedral, (<.01 to .05 mm), irregular grains interstitial to K-feldspar.

Quartz; 10%(?), anhedral, (<.01 to 0.6 mm),
(a) grains and clusters of grains (generally <0.2 mm) scattered throughout groundmass. RI> surrounding K-feldspar.
(b) segregations and irregular veinlets, with individual quartz grains to 0.6 mm. Segregations several mm in length.

Lithic fragments

Devitrified glass(?); K-rich, (microgranular) weakly layered/foliated. Colourless. Very weak partial birefringence/isotropic.

Chlorite; (devitrified glass?), forming a discontinuous diffuse worm-like network among K-rich material. Pale green colour, weak birefringence.

Feldspar fragments; to 20%, (<.05 to 0.2 mm), some featureless, others show indistinct polysynthetic twinning.

Sanidine patches; occur in lithic (devitrified glass) fragments and in tuff groundmass. Very irregular shaped, optically continuous (for several mm) although crackled. Some adjacent patches have same optical orientation. Original sanidine(?)

Sample "F" Continued

or introduced(?). Appears fracture controlled. Biaxial(-),
2V about 30 degrees.

Reflected light

Hematite; >1%, anhedral, (<.01 to 0.1 mm), disseminated, and in
fractures, very irregular grains.

Sample "G"

Laminated, welded tuff, pyritic interbeds

General description

Composed of layered partially devitrified, welded, volcanic glass (?) interlaminated with potassium-bearing, pyritic tuff.

The "glass" is laminated showing elongate warped and bent lensoidal shapes. Is light reddish-brown, devitrified to cryptocrystalline weakly birefringent material. It contains disseminated spherulites of quartz (to 0.3 mm) and diffuse patches of coarse bladed and acicular ("A"?) with minor quartz and plagioclase.

There are K-rich, tuffaceous, pyritic interbeds which contain to 45% granular pyrite. Pyrite also is present in cross cutting fractures. There are minor amounts of soft, sectile, black, graphite-like material and very minor magnetite.

Microscopic description

Confirmation requires X-ray diffraction and/or microprobe studies.

Layers

Devitrified glass;

Laminated shades of light and dark reddish brown, lensoidal warped outlines suggesting welding. Microcrystalline with very weak anisotropism to isotropic. Streaked by lensoidal aggregates of microgranular opaque grains (pyrite).

Quartz; >10%, anhedral (<.05 to 0.2 mm)

- (a) in spherules disseminated throughout devitrified glass.
- (b) as irregular aggregates of grains associated with large clots/clusters of ("A"?) and:
- (c) as irregular hair-line veinlets following or crossing foliation.

Plagioclase; <5%, subhedral (<.05 to 0.5 mm), similar in appearance to ("A"?) but low birefringence, elongation (+), length slow suggestion of polysynthetic twinning.

"A"?; 10%, irregular bladed, (.05 to >1.0 mm), radiating coarse clusters replacing partially devitrified glass. Biaxial (+) 2V 50 degrees. Elongation (-) and (+) length fast and slow. Near parallel extinction. Twinning. Birefringence second order blue. Relief moderate (+). [Similar to pigeonite but relief appears low, extinction angle too small, (-) as well as (+) elongation].

Sample "G" Continued

Pyritic lamination

K-feldspar; 45%, anhedral (<.01 to .05 mm) irregular grains.

Quartz; 10%(?) anhedral (<.01 to .05 mm), irregular grains

Pyrite; to 45%, anhedral (<.01 to 0.3 mm), irregular grains, see below.

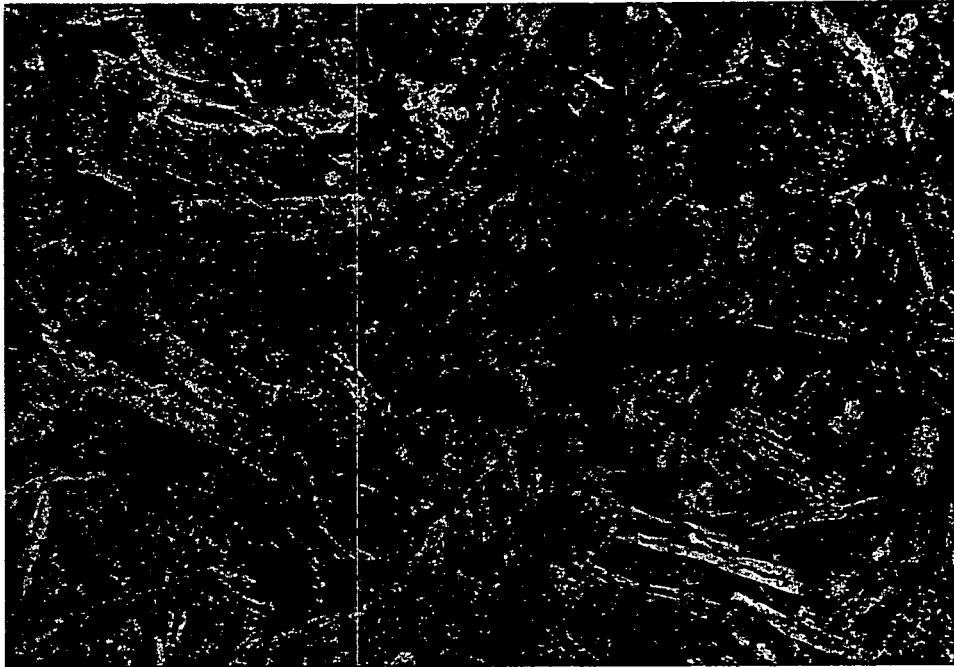
Reflected light

Pyrite; to 45% of laminae, anhedral/subhedral, (<.01 to 0.3 mm).

(a) generally clusters of small grains interstitial to and outlining grains of gangue (K-feldspar, quartz). Shows preference for tuffaceous beds but also as lensoidal aggregates in "glass".

(b) fracture controlled clusters of grains forming veinlets cutting across laminae.

Note: Hydrothermal alteration is not intense. Suggests that iron and sulphur are syngenetic with veinlets indicating remobilization and redeposition. Requires isotope studies for genesis.



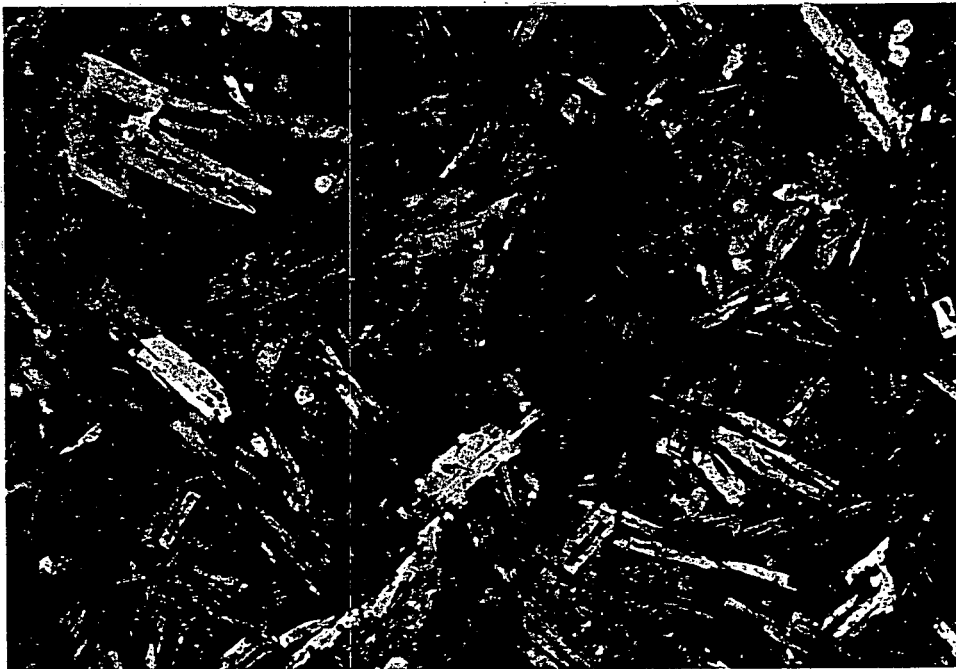
Sample "A"

90R XVI-9A

Plane light

0.1 mm

Dacite; felted plagioclase as coarse laths with interstitial chlorite, lesser pumpellyite(?). Scattered subhedral quartz grains. Some chlorite and pumpellyite in amygdules.



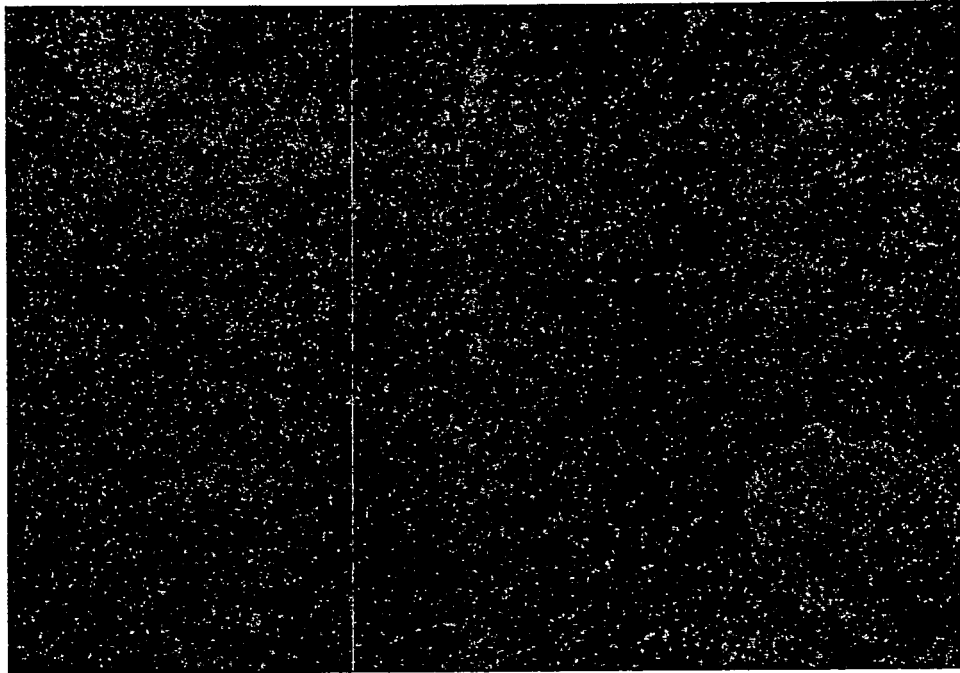
Sample "A"

90R XVI-10A

X-nicols

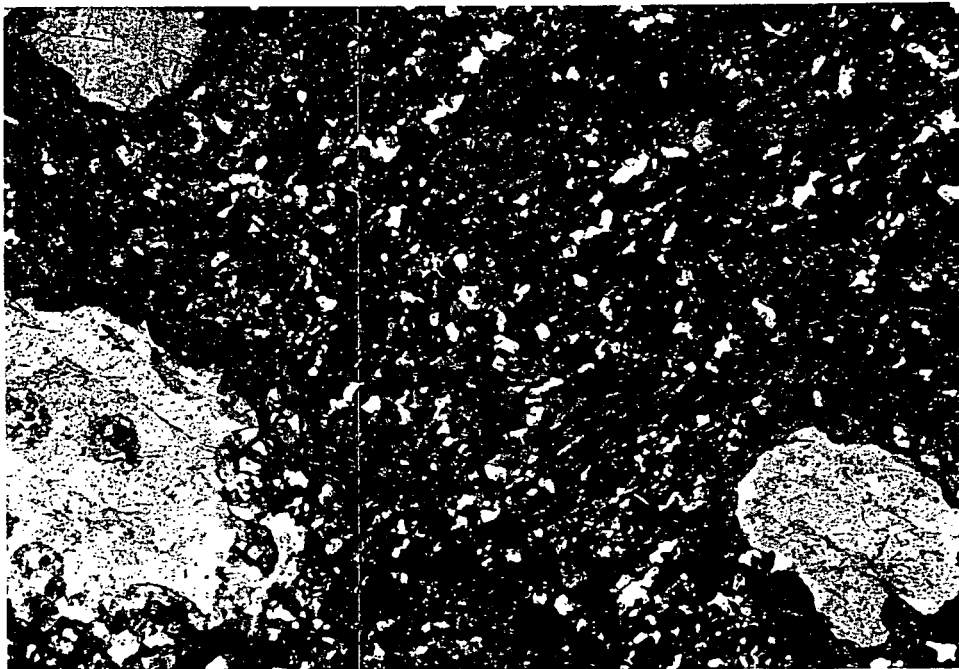
0.1 mm

Dacite; as above in polarized light.



Sample "B" 90R XVI-11A Plane light 0.1 mm

Amygdaloidal rhyolite; groundmass of welded quartz lensoids in a K-feldspar-rich groundmass. Note microgranular dusting.



Sample "B" 90R XVI-12A X-nicols 0.1 mm

Amygdaloidal rhyolite; as above in polarized light. Note multistage quartz vesicle infilling. Some chlorite/biotite amygdule rims and cores.

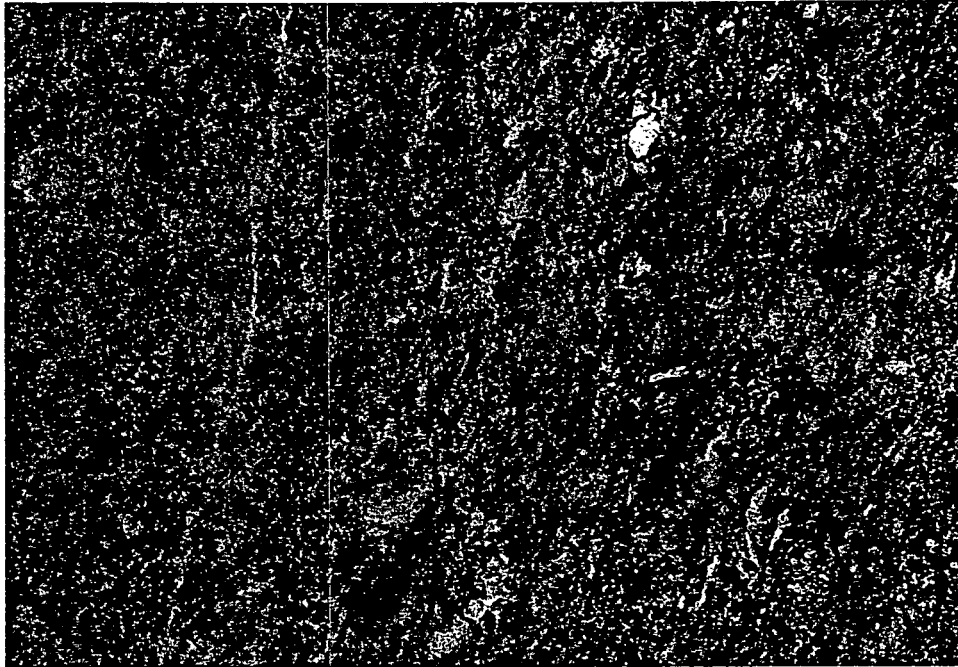


Sample "C" 90R XVI-13A Plane light 0.1 mm

Dacite/andesite, amygdaloidal flow breccia. Altered lithic fragments (center and lower left) with associated clay, in a groundmass of felted plagioclase with interstitial pyroxene and chlorite. Few scattered quartz grains.

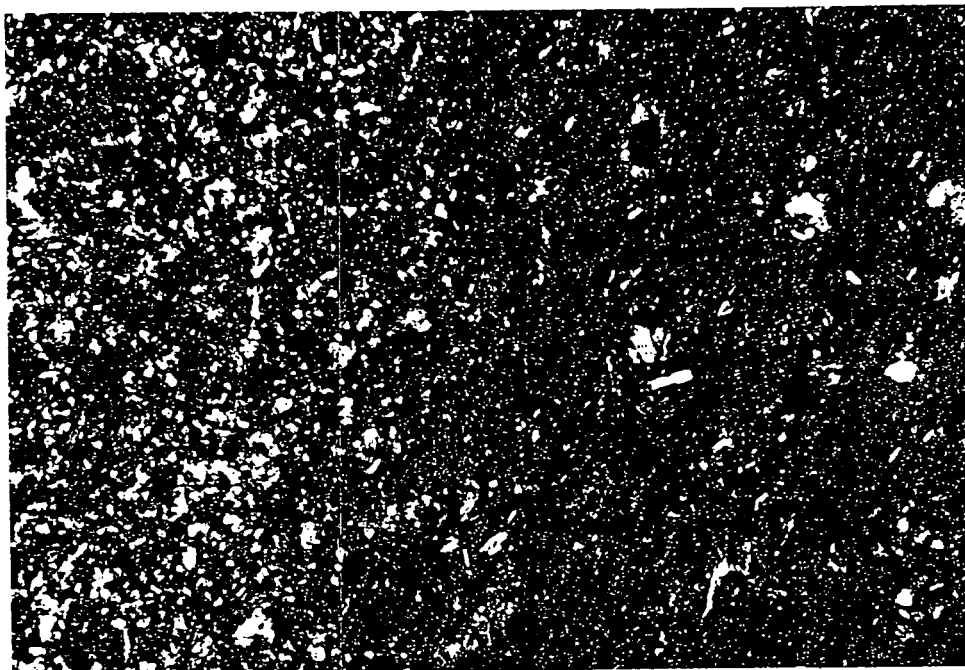


Sample "C" 90R XVI-14A X-nicols 0.1 mm
 Dacite/andesite, amygdaloidal flow breccia as above in polarized light. Carbonate amygdule (extreme birefringence) with chloritic margin. Interstitial pyroxene intermediate birefringence (left middle).



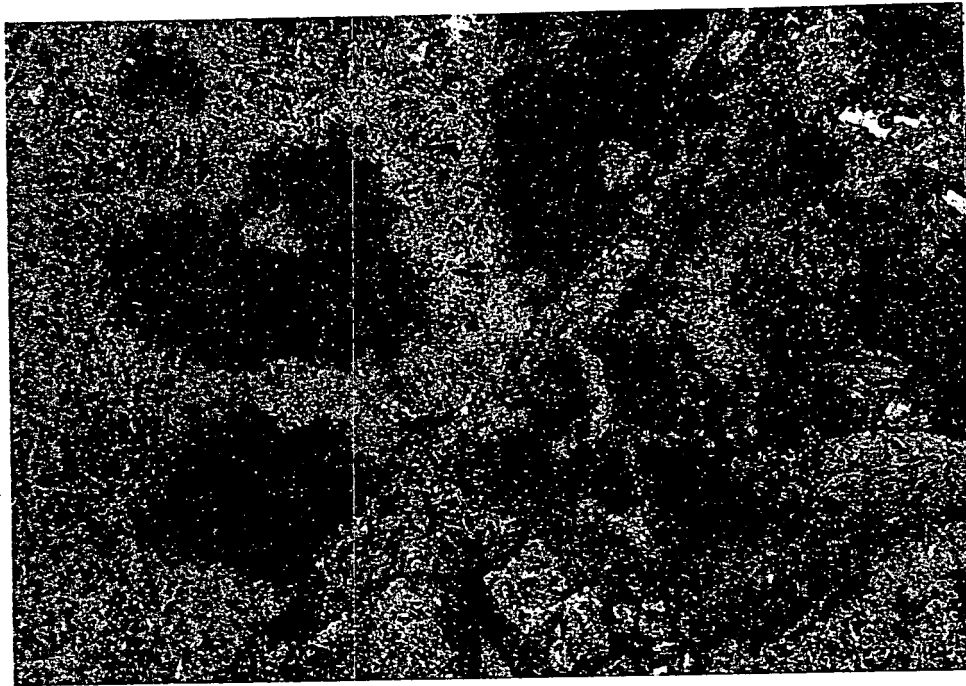
Sample "D" 90R XVI-15A Plane light 0.1 mm

K-feldspar-rich sedimentary(?) tuff/trachytic tuff showing fine fraction on right with diffuse lensoidal aggregate texture. Coarser fraction with abundant slightly coarser crystal fragments on left.



Sample "D" 90R XVI-16A X-nicols 0.1 mm

As above but relative abundance of coarser crystal fragments more conspicuous in polarized light.



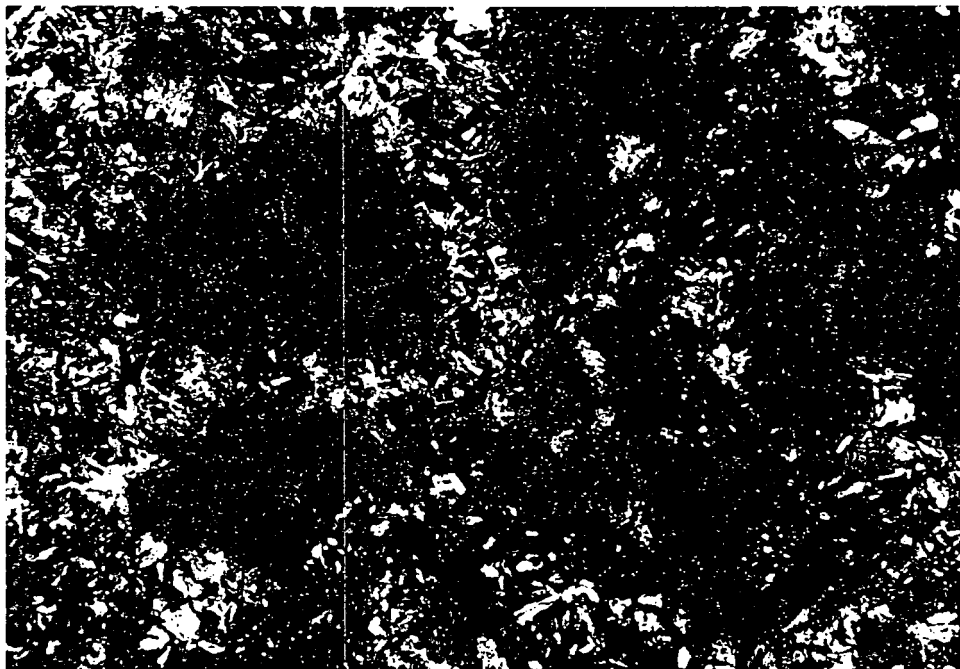
Sample "E"

90R XVI-17A

Plane light

0.1 mm

Altered brecciated trachytic tuff lithic remnants (dark brown) in felted trachyandesite matrix (pale felted). Rebrecciated with fragments of the above in a tuffaceous matrix (reddish-brown).



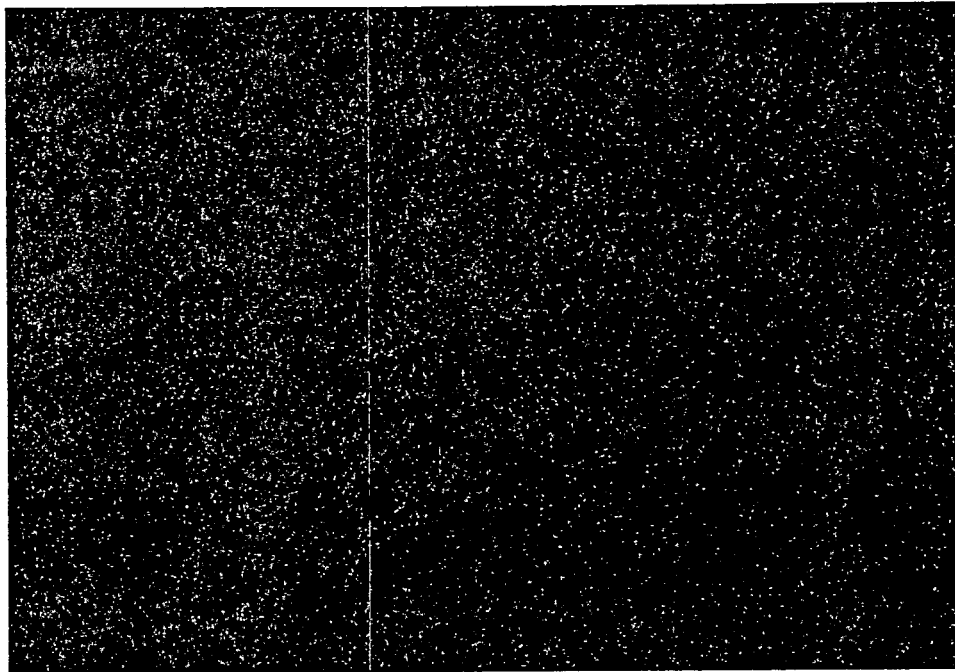
Sample "E"

90R XVI-18A

X-nicols

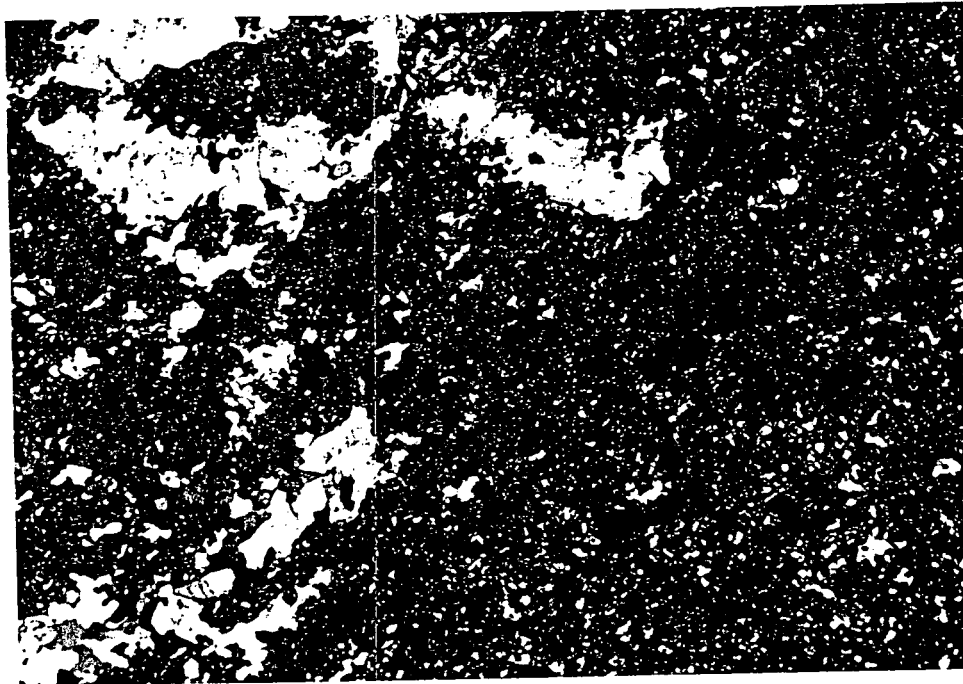
0.1 mm

As above in polarized light.



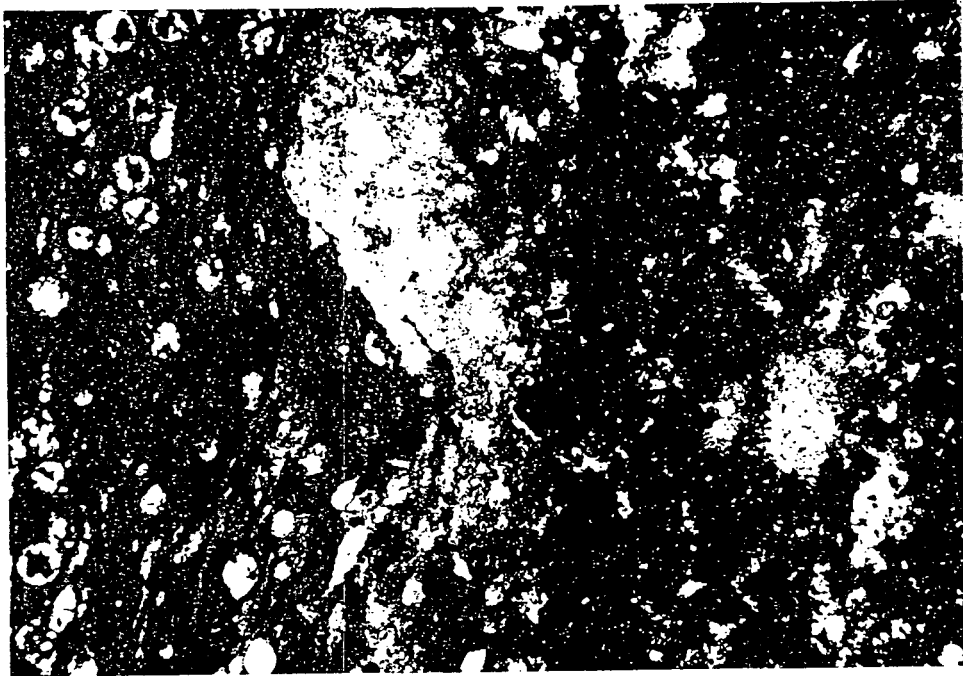
Sample "F" 90R XVI-19A Plane light  0.1 mm

Sanidine and quartz segregations in K-feldspar and lesser quartz tuffaceous matrix. Hematitic crackle fracture fillings.



Sample "F" 90R XVI-20A X-nicols  0.1 mm

As above in polarized light. Sanidine patches upper left. Quartz segregations lower left.



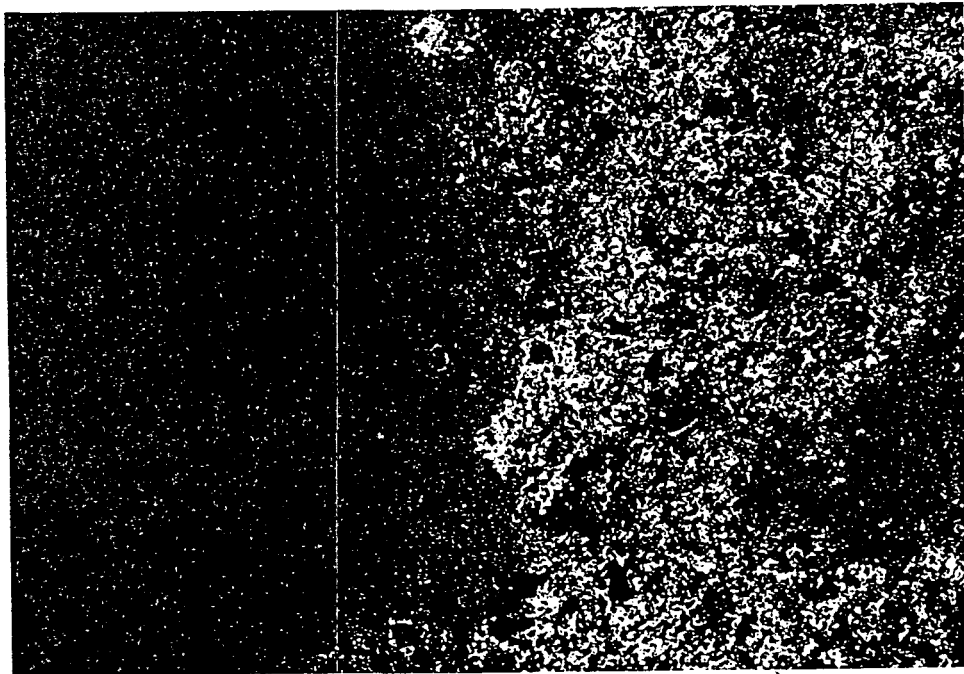
Sample "G"

90R XVI-21A

Plane light

0.1 mm

Partially devitrified glass left with quartz spherulites. Opaque is finely divided pyrite (see below)



Sample "G"

90R XVI-22A

Reflected light

0.1 mm

As above 2.5 X larger, reflected light showing pyritic layer.