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GEOLOGICAL, GEOCHEMICAL REPORT

ON THE

KNIPPLE LAKE PROPERTY

KL 1 to 3, Treaty 12 Claims

Skeena Mining Division

N.T.S. 104 A/05 W

NORANDA EXPLORATION COMPANY, LIMITED
(no personal liability)

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,556

REPORT BY: MIKE SAVELL

NOVEMBER, 1990

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(in rear pockets)

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SUMMARY

The Knipple Lake Property comprises the KL-1, KL-2, KL-3 and TREATY-12 mineral claims in the Skeena Mining Division, approximately 60 kilometres north of Stewart, B.C. The KL claims were staked by Noranda in 1988 and the TREATY-12 claim by Ross Resources in 1989. The TREATY-12 claim was optioned by Noranda in 1990. The geological and geochemical surveys undertaken in 1990 were designed to locate the source of mineralized float boulders of quartz-calcite-sulphide vein and breccia material discovered in 1989 from which assays up to 17.9 gm/t Au, 17.1 gm/t Ag, 0.14% Cu, 3.03% Pb, and 9.02% Zn were obtained.

The property is underlain by volcanic rocks of the Jurassic Hazleton Group. Two packages of volcanics are present, an extensive sequence of interbedded andesitic flows and agglomerates (Betty Creek Formation) and a less dominant unit of felsic tuffs and flows (Mt. Dilworth Formation). Alteration is not extensive but includes silicification of felsic rocks, chloritization of andesitic rocks, and quartz-sericite-pyrite alteration of felsic porphyritic intrusive rocks found immediately southeast of the KL-3 claim.

Quartz-calcite vein and breccia material containing variable amounts of coarse sphalerite, galena, chalcopryrite and pyrite has been found in subrounded to subangular boulders up to 100 centimetres in diameter scattered over a 100 by 400 metre area at the northwest corner of the KL-3 claim. Economic gold values have been detected in a significant number of these boulders. The source has yet to be located, but is believed to be upslope and/or up ice within the grid surveyed area.

The soil geochemical survey of the grid has detected at least three anomalies that may reflect buried mineralization. Anomaly 1 contains coincident Au, Pb and As values up to 50 ppb, 233 ppm, and 196 ppm respectively as well as more scattered Ag, Cu and Zn values (up to 12 ppm, 166 ppm, and 334 ppm respectively). Anomaly 2 contains a linear cluster of gold values up to 230 ppb over a 175 by 1000 metre long zone with Pb values up to 251 ppm restricted to the up slope side. Anomaly 3 is a 150 by 800 metre long zone and consists of patchy Au, Ag, Cu, Pb, Zn, and As values up to 250 ppb, 11.6 ppm, 112 ppm, 229 ppm, 440 ppm, and 122 ppm respectively. All three anomalies are possible source areas of the float mineralization.

The favourable host rocks, evidence of widespread hydrothermal activity, economic gold values in sulphide rich float and the large aerial extent of Au, Ag, Cu, Pb, Zn and As soil geochemical anomalies suggest this essentially untested property has good potential to host economic mineralization. Further exploration is warranted.

It is recommended that an airborne EM and Mag survey of the entire property be undertaken, followed by detailed ground magnetic and induced polarized surveys and subsequent trenching. The most attractive targets should then be drilled.

INTRODUCTION

The Knipple Lake Property comprises the KL-1, KL-2, KL-3 and the Treaty-12 mineral claims in the Skeena Mining Division in the Bowser River area, north of Stewart, B.C. The KL claims were staked by Noranda Exploration in 1988 to secure attractive gossans believed to be associated with pyritic felsic pyroclastics. The Treaty-12 claim was staked for Ross Resources in 1989 and was subsequently optioned to Noranda Exploration in 1990. This report describes a geological and geochemical survey undertaken by Noranda in July and August of 1990 to evaluate the economic potential of the claims. A statement of costs is included for each group, however for sake of completeness and convenience the work has been compiled into a single report. All work was performed by employees of Noranda Exploration.

LOCATION AND ACCESS

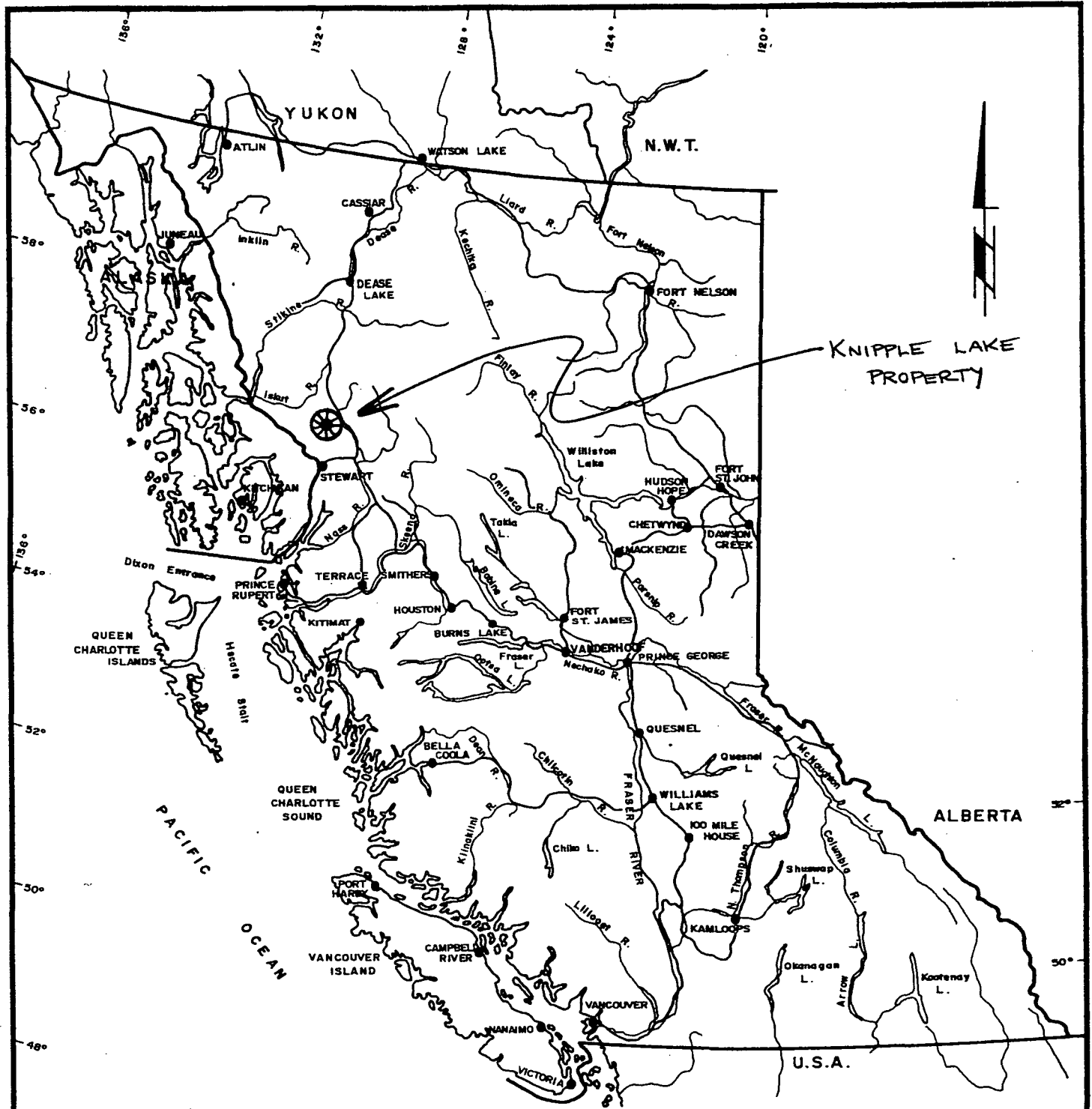
The Knipple Lake Property is located approximately 60 kilometres north of Stewart, B.C. and 25 kilometres southwest of the Stewart-Cassiar Highway (figure 1). At present, the property is accessible only by helicopter. A gravel airstrip connected by a road-barge link to the Stewart Cassiar Highway lies just 1 kilometre south of the property.

A Hughes 500D helicopter chartered from Vancouver Island Helicopters at Stewart was utilized for this program. Camp facilities were provided by Noranda's previously established tent camp on the Todd Creek property, approximately 15 kilometres to the southeast.

PHYSIOGRAPHY AND VEGETATION

The property is contained within the Boundary Ranges of the rugged Coast Mountains. Elevations range from about 450 metres in the Bowser River Valley at the south end of the property to over 1890 metres on the northwest trending ridge on the north end of the property. The east, north, and west sides of the property are bounded by thick, crevassed glaciers.

About 90% of the claims can be easily traversed. The remainder consists of steep cliffs and glaciers. Treeline lies at about 1500 metres, however receding glaciers have left large treeless areas as low as 1000 metres. Alpine areas are covered with grasses and brush typical of a cool, wet coastal alpine environment. Below treeline mature stands of spruce, fir and hemlock dominate.



KNIPPLE LAKE PROPERTY

0 100 200 KILOMETRES
SCALE : 1 : 8,000,000

REVISED	KNIPPLE LAKE PROPERTY	
	LOCATION MAP	
PROJ. No. <u>293</u>	SURVEY BY: _____	DATE: _____
N.T.S.	DRAWN BY: <u>S.K.B.</u>	SCALE: <u>1 : 8,000,000</u>
DWG. No.	NORANDA EXPLORATION	
<u>1</u>	OFFICE: <u>PRINCE GEORGE, B.C.</u>	

VANICAL 11927

CLAIM DATA

The property is comprised of the following modified grid claims. Upon acceptance of this report, they will be in good standing until the indicated date. A plan of the claims is provided in figure 2.

Table 1. Claim Data

Name	Units	Record #	Record Date	Expiry Date
KL-1	18	6934	10/25/88	10/25/92
KL-2	18	6935	10/25/88	10/25/92
KL-3	18	6936	10/25/88	10/25/92
TREATY-12	20	7824	08/26/89	08/26/92

PREVIOUS WORK

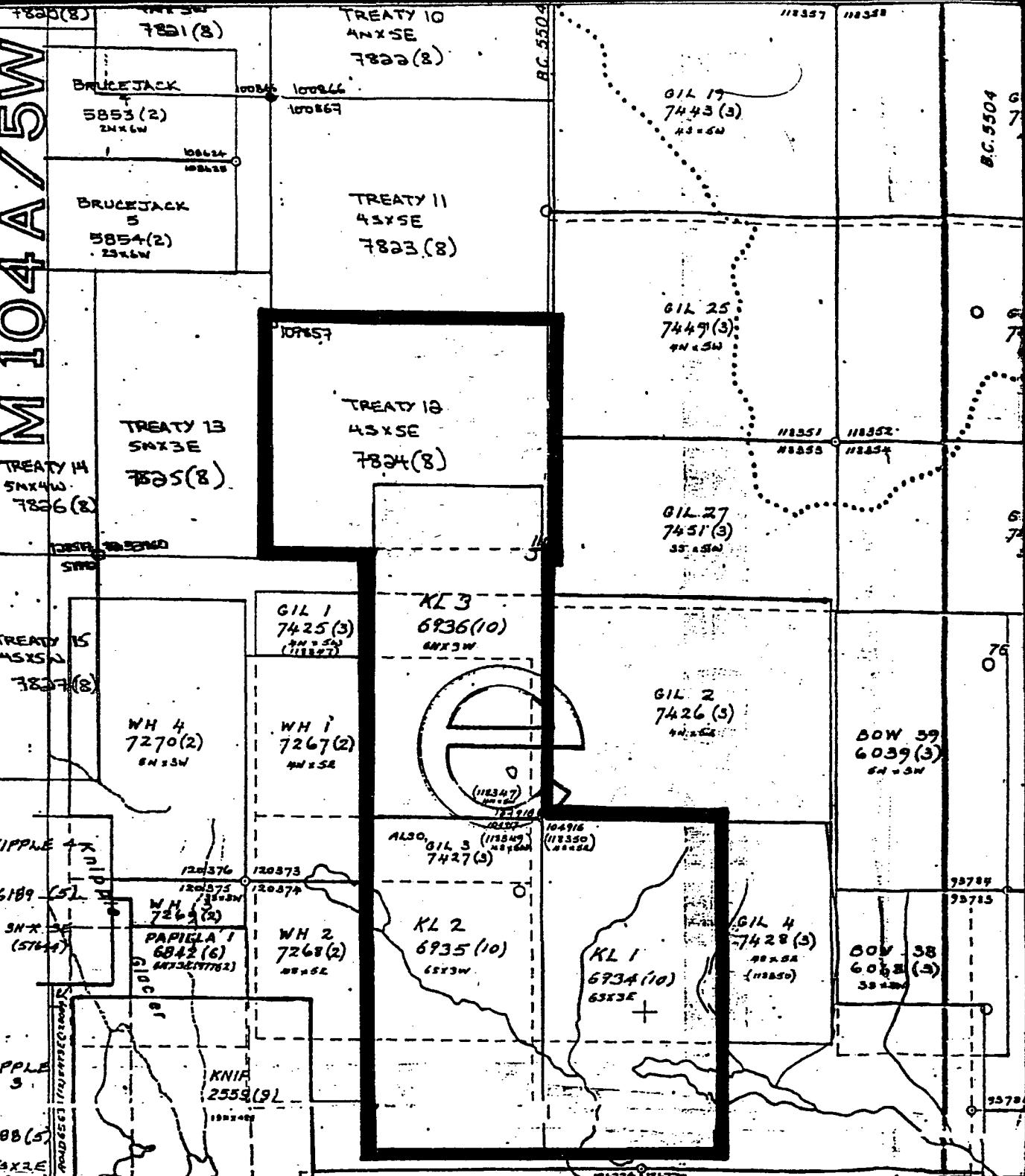
The property lies within the Stewart-Iskut belt of mineralization which has seen considerable exploration activity in recent years. The area of the claims has been staked several times by different interests previous to Noranda, however, there is no record of work in the public domain and no evidence of any serious exploration was observed during the 1990 program.

The results of Noranda's preliminary surveys conducted in 1989 are reported in "Geochemical Report on the KL-1, 2, 3 Mineral Claims" by M. Savell, submitted for assessment requirements. The highlight of this program was the discovery of numerous boulders of quartz-carbonate vein, stringer and breccia material mineralized with abundant coarse sphalerite, galena, chalcopyrite, and pyrite on the northwest corner of the KL-3 claim. Values up to 0.521 oz/t Au, 0.50 oz/t Ag, 0.14% Cu, 3.03% Pb, and 9.02% Zn were obtained. The source area was presumed to be up slope on either the KL-3 or TREATY-12 claim.

REGIONAL GEOLOGY

The area lies near the western edge of the Intermontane Belt of the Canadian Cordillera, where it straddles the Coast Plutonic Complex. Recent work by both the Geological Survey of Canada and the Geological Services Branch of British Columbia provides a useful framework of the complex geology of this rugged area. The area includes four, unconformity bounded, tectonostratigraphic assemblages: 1) Paleozoic Stikine Assemblage; 2) Triassic-

M 104 A / 5W



Knipple Lake

REVISED	KNIPPLE LAKE PROPERTY	
	CKAIM SKETCH	
PROJ. No. 293	SURVEY BY:	DATE: NOV 90
N.T.S. 104A/5W	DRAWN BY:	SCALE: 1:50,000
DWG. No.	NORANDA EXPLORATION	
2	OFFICE: PG	

B-8-E

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.

Paleozoic Stikine Assemblage

This the oldest assemblage and contains three distinct, mainly volcanic-carbonate mappable divisions: Early Devonian limestones and intermediate to felsic volcanics, Mississippian bioclastic limestones, and Permian fragmental volcanics and limestone. These rocks are generally highly metamorphosed and deformed.

Triassic-Jurassic volcano-plutonic complexes (Stewart Complex)

This comprises both the Triassic Stuhini Group and the Jurassic Hazleton Group. The Stuhini Group consist of limestones and bimodal to mafic volcanics deposited in island arc environments. These rocks host the Snip and Johnny Mountain deposits. Hazleton Group rocks comprise andesitic breccias and lavas, felsic tuffs and breccias, maroon-green volcanic siltstone, greywacke, conglomerate, calcareous siltstone, and black shale also with island arc affinities. These rocks host the Eskay Creek deposits.

Middle and Upper Jurassic Bowser Overlap Assemblage

These are predominantly turbidite black clastics deposited in the Bowser Basin, a result of uplift to the west due to emplacement of the Coast Range Intrusives.

Tertiary Coast Plutonic Complex

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

Locally Tertiary to Recent subaerial volcanics cover mainly low lying areas of the above strata.

Sub-volcanic intrusions accompany most of the volcanic centres of the Mesozoic island arc complexes. These 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.

PROPERTY GEOLOGY

Geological mapping was concentrated in the area thought to be the most likely source area of the mineralization found in float described above. A 1:2500 scale geological plan of this area is presented on figure 4. Figure 3 shows this area relative to the entire claim block. Topographical control was provided by the survey grid described in the next section.

Surficial Geology

Most of the bedrock exposures are found along the top and west sides of the north to northwest trending ridge that dominates the Treaty-12 and KL-3 claim. North and northeast of this ridge the slope abruptly drops forming inaccessible cliffs that end at glacial ice. The mapped area forms a relatively consistent west facing slope averaging about 30 degrees that ends at a wide south flowing receding glacier. The slope is covered with a thin to moderately thick apron of fine talus, minor moraine outwash and poorly developed, slumping alpine soil. Vegetation has stabilized most of the area at lower elevations. The glacier to the west of this slope has receded approximately 50 metres vertically from its maximum size and has left a 100 to 200 metre wide strip underlain with a semi-consolidated basal till which is in places covered with coarse and loose lateral and medial moraine and talus that is still unvegetated. The edge of this strip is indicated on figure 4. The east-west trending 600 to 700 metre wide zone shown in the south grid area is dominated by more recent coarse moraine and outwash from the small receding icefields at the southeast corner of the map.

Bedrock Lithologies

The mapped area is underlain by two packages of volcanic rocks: an extensive sequence of interbedded andesitic flows (Unit # 2) and agglomerates (Unit # 3) and a less dominant unit of felsic tuffs and flows (Unit # 1).

Unit 1 consists of dark brown, maroon, grey and green vaguely layered, subrounded to subangular clasts of andesitic rocks of unit 2 in a darker very fine matrix. In areas of sufficient outcrop mappable beds in the order of 25 to 100 metres thick can be traced over several hundred metres.

Unit 2 has been subdivided into four mappable divisions:
2a) Massive, dark varicoloured, feldspar porphyritic flows.
2b) Vaguely layered, fine lithic tuff +/- feldspar phenocrysts.
2c) Massive, dark amygdaloidal feldspar porphyritic flows.
2d) Massive, dark greenish brown chloritic flows.

Unit 3 has been subdivided into two mappable divisions:
3a) Massive to vaguely layered, pale grey to brown, feldspar porphyritic lapilli tuff.
3b) Massive pale grey to buff, aphyric siliceous rhyolite.

These rocks are interpreted to have been rapidly deposited in dominantly submarine environment proximal to a volcanic centre. The felsic volcanics may indicate the youngest eruptive event. They are considered part of the Lower Jurassic Hazleton Group. Units 1 and 2 may correlate with the Betty Creek Formation and unit 3 with the Mt. Dilworth Formation.

Structure

Where layering is discernable two general attitudes were measured. In the central east portion of the mapped area, attitudes are found to trend from about 060 to 090 degrees and dip moderately to steeply southward. Several hundred metres south of this area the dominant trend is found to be around 180 degrees with a variable westward dip.

Two 070 degree trending faults are interpreted to cross the gridded area as shown on figure 4. The interpretation is based on strong contrasts in magnetic relief indicated from a ground magnetic survey completed later in the program and on the presence of strongly foliated and brecciated rocks in the vicinity of Line 10100 N, 10350 W.

Alteration

In situ alteration is limited to unit 3a which is often observed to be variably silicified and laced with a pervasive network of white quartz stringers and veinlets. Disseminated pyrite is common. Weakly chloritized andesitic rocks are found scattered throughout the east-central grid area. In the moraine

fields on the grid south area numerous boulders of strongly quartz-sericite-pyrite altered felsic porphyritic intrusive are derived from exposures on the main ridge immediately east of the KL-3 claim. This intrusive is believed to be the source of the hydrothermal system that produced the observed alteration.

Mineralization

A boulder field at the southwest grid corner from 11000W, 8700N to 11150W, 9100N contains over one hundred boulders of quartz-calcite breccia and vein material containing coarse sphalerite, galena, pyrite, and chalcopyrite (figure 3 and 4). There are often recrystallized and silicified wall rock material within and adjacent to the quartz-calcite-sulphide mineralization. The boulders are subrounded to subangular and range in size from about 10 to 100 centimetres in diameter. Of forty-eight samples analyzed, all have anomalous gold values, and 18 have values greater than 4 gm/t Au and 8 greater than 8.5 gm/t Au. Base metal values average 0.18% Cu, 0.89% Pb, and 3.14% Zn; silver averages 9.3 gm/t. Intense prospecting failed to locate the source of the boulders on the largely overburden covered slopes above, however the presence of minor sulphide bearing clots and quartz veins with anomalous gold values (up to 1260 ppb) suggests the source is within the grid area.

GEOCHEMISTRY

Soil Geochemistry

A total of 825 soil samples were collected and analyzed for Au and the I.C.P. suite of elements. Samples were collected from the "B" soil horizon where possible, however due to local poor soil development and slumping, the material collected is more likely a "C" horizon at many sites. At many sites the material available was very coarse "C" horizon, such that less than 10 grams of minus 80 mesh material was available for gold analyses. These stations are indicated with an asterisk on the lab reports. They were obtained by digging a small hole averaging about 40 centimetres deep with a grubhoe. The soil was placed in a Kraft paper envelope and shipped to the geochem lab of Noranda Exploration at 1050 Davie Street, Vancouver, B.C. Details of the analytical procedure is given in Appendix IV, and lab reports are listed in Appendix V. Figures 5 through 10 are grid plots of results with selected contour intervals for Au, Ag, Cu, Pb, Zn, and As.

Samples were collected at 25 metre intervals along lines spaced 100 metres apart and assigned a grid coordinate. The grid was surveyed with compass and hipchain and stations marked with 0.5 metre high wooden pickets. A line azimuth of 290 degrees was chosen as this is perpendicular to the average strike of vein, gossan, and bedding attitudes.

Au : Values range from 5 ppb (the detectable limit) to 300 ppb (L8800N, 10250E). Values over 20 ppb are considered anomalous, over 100 ppb strongly anomalous. Numerous, widely scattered values in the south grid area are attributed to dispersion by glacial and outwash processes, however the high result at L8800N, 10250E still warrants closer investigation. Three other more extensive anomalous areas also warrant closer scrutiny : Anomaly 1, from L9400N, 11000W to L9900N, 11400W; Anomaly 2, from L9700N, 10850W; and Anomaly 3, from L9300N, 10000W to L10100N, 10375W. These areas are coincident with significant Ag, Cu, Pb, Zn and As.

Ag : Values range from 0.2 to 12.0 ppm, with those over 2 ppm considered anomalous. The anomalous values are restricted to small zones within anomalies 1 and 3, except for a few scattered values in the moraine and outwash covered area on the south quarter of the grid.

Cu : Values range from about 15 to 166 ppm, with those over 50 ppm considered anomalous. Significant values are restricted to anomalies 1 and 3.

Pb : Values range from about 2 to 251 ppm, with those over 50 ppm considered anomalous. Significant values are restricted to anomalies 1 and 2. Pb values in anomaly 2 are clustered up slope of most of the Au values. There are also a few scattered high Pb results within anomaly 3.

Zn : Values range from about 40 to 440 ppm, with those over 150 ppm considered anomalous. Significant values are restricted to the central zones of anomaly 1 and 3, and a few isolated scattered stations throughout the grid especially the southeast corner.

As : Values range from about 5 ppm to 196 ppm, with those over 60 ppm considered anomalous. Significant values are restricted to anomaly 1 and 3, and again a few scattered results over the south grid area.

Anomaly 1 occurs at the base of the main west facing slope. The 30 ppm As contour defines an area about 150 metres wide by 600 metres long trending at 170 degrees. Coincident Au and Pb values are found within these limits, and to a lesser extent Ag, Cu, and Zn. Follow up prospecting failed to locate significant mineralization within this largely overburden covered area, however as it lies up slope and up ice from the mineralization found in float, it must be considered a possible source area.

Anomaly 2 occurs at mid-slope in a largely overburden covered area over a roughly 175 metre wide by 1000 metre long zone trending about 170 degrees. It consists of a linear cluster of gold anomalies with lead values restricted to a 100 metre wide strip on the up slope side. This anomaly does not have the same geochemical signature as the mineralized boulders however this may be due to more complete dispersal of mobile elements such as Zn, Cu and As.

Anomaly 3 occurs near the top of the main slope in an area of thin overburden and significant area of outcrop. It is almost directly upslope of the mineralized boulders at a distance of about 1300 metres and should also be considered as a possible source area of the mineralization.

Lithochemistry

A total of 117 rock samples were collected and analyzed by the multielement I.C.P. method as well as A.A. for gold. This was done primarily as a quick and cheap assay for samples collected during mapping and prospecting traverses. Sample locations and significant results are plotted on figures 3 and 4, descriptions are listed in Appendix VI and Certificates of Analysis provided in Appendix VII.

The only economically significant results were obtained from the previously described mineralized boulders found in the southwest grid area. There is a strong correlation between Au, Ag, Cu, Pb, Zn, As, and Cd values. In samples with significant gold values As concentrations range between about 100 and 900 ppm and Cd between 200 and 800 ppm. Unmineralized samples collected elsewhere on the property found to contain anomalous Au values (100 to 1260 ppb) also contain elevated Cu, Pb, and Zn levels suggesting a common origin thus a widespread mineralizing system.

Stream Sediment Geochemistry

An additional 23 silt samples were collected during the 1990 surveys. These were collected from active stream channels, placed in Kraft paper envelopes and shipped to the geochem lab of Noranda Exploration at 1050 Davie Street, Vancouver B.C. Here they were dried and analyzed by the multielement I.C.P. method and A.A. method for Au. Sample locations and results are shown on figure 3 and 4, and Certificates of Analysis in Appendix VIII.

Inspection of results indicates several moderately anomalous Au values collected from small streams in the immediate vicinity of the mineralized boulders previously described (eg. #109633 - 65 ppb Au, # 128468 - 60 ppb Au). There are no significant accompanying Ag or base metal values.

Eight additional heavy mineral concentrates from the KL-1 and 2 claims were collected and analyzed. These were sieved and panned in the field from 20 litre stream gravel samples, and analyzed by A.A. methods. Sample locations and results are presented on figure 3. No significant results were obtained.

CONCLUSIONS

The Knipple Lake Property is underlain by volcanic rocks of the Jurassic Hazleton Group. Two packages of volcanics are present, an extensive sequence of interbedded andesitic flows and agglomerates (Betty Creek Formation) and a less dominant unit of felsic tuffs and flows (Mt. Dilworth Formation). Alteration is not extensive but includes silicification of felsic rocks, chloritization of andesitic rocks, and quartz-sericite-pyrite alteration of felsic porphyritic intrusive rocks found immediately southeast of the KL-3 claim.

Quartz-calcite vein and breccia material containing variable amounts of coarse sphalerite, galena, chalcopryrite and pyrite has been found in subrounded to subangular boulders up to 100 centimetres in diameter scattered over a 100 by 400 metre area at the northwest corner of the KL-3 claim. Economic gold values have been detected in a significant number of these boulders. The source has yet to be located, but is believed to be up slope and/or up ice within the grid surveyed area. Chip samples of similar vein material without sulphides found in outcrop returned anomalous gold and base metal values.

The soil geochemical survey of the grid has detected at least three anomalies that may reflect buried mineralization. Anomaly 1 is 400 metres north of the mineralized boulders and contains coincident Au, Pb and As values up to 50 ppb, 233 ppm, and 196 ppm respectively as well as more scattered Ag, Cu and Zn values (up to 12 ppm, 166 ppm, and 334 ppm respectively). Anomaly 2 is 1100 metres north-northeast of the mineralized boulders and contains a linear cluster of gold values up to 230 ppb over a 175 by 1000 metre long zone with Pb values up to 251 ppm restricted to the up slope side. Both anomaly 1 and 2 occur in a largely overburden covered area. Anomaly 3 occurs 1300 metres east-northeast of the boulders almost directly up slope. This 150 by 800 metre long zone consists of patchy Au, Ag, Cu, Pb, Zn, and As values up to 250 ppb, 11.6 ppm, 112 ppm, 229 ppm, 440 ppm, and 122 ppm respectively. This anomaly is located near the top of the slope in an area of thin overburden and abundant outcrop and talus. All three anomalies are possible source areas of the float mineralization.

The favourable lithologies, setting and age of the host rocks, widespread hydrothermal activity as evidenced by alteration and veining, economic gold values in sulphide rich float and the large aerial extent of Au, Ag, Cu, Pb, Zn and As soil geochemical anomalies suggest this essentially untested property has good potential to host economic mineralization. Further exploration is warranted.

RECOMMENDATIONS

The following exploration program is recommended:

- 1) An airborne EM and MAG survey should be flown over the gridded area and the remainder of the property to assist in geological interpretation and target selection.
- 2) Further target definition utilizing ground magnetics and induced polarization surveys.
- 3) Testing of selected targets with blast and/or excavator trenching using a small helicopter transportable machine.
- 4) A minimum of 1000 metres of diamond drilling to test the most promising targets.

APPENDIX I

STATEMENT OF COSTS

CLAIMS : KL-1, KL-2, KL-3
DATES : JULY 1 TO AUGUST 25, 1990
TYPE OF REPORT : GEOLOGICAL AND GEOCHEMICAL

1) WAGES	
Rate per day : \$143.01	
No. of days : 61	
Dates : 07/01/90 to 08/25/90	
TOTAL	\$ 8,723.61
2) FOOD, ACCOMMODATION, AND SUPPLIES	
Rate per day : \$56.09	
No. of days : 61	
Dates : 07/01/90 to 08/25/90	
TOTAL	\$ 3,421.49
3) TRANSPORTATION	
Rate per day : \$192.48	
No. of days : 61	
Dates : 07/01/90 to 08/25/90	
TOTAL	\$11,741.28
4) ANALYSES	
440 soils for 28 element ICP & Au @ \$9.25 each	\$ 4,070.00
19 silts "	\$ 175.75
44 rocks " \$11.25 each	\$ 495.00
8 heavy mineral concentrates for Au, Ag, Cu, Pb, and Zn @ \$15.00 each	\$ 120.00
TOTAL	\$ 4,860.75
5) COST OF PREPARATION OF REPORT	
Author	\$ 250.00
Drafting	\$ 100.00
Typing	\$ 50.00
Data Processing	\$ 503.00
TOTAL	\$ 903.00
 TOTAL COST	 \$29,650.13

APPENDIX II

STATEMENT OF COSTS

CLAIMS : TREATY-12
DATES : JULY 1 TO AUGUST 25, 1990
TYPE OF REPORT : GEOLOGICAL AND GEOCHEMICAL

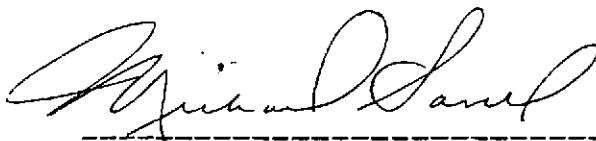
1)	WAGES		
	Rate per day :	\$143.01	
	No. of days :	40	
	Dates :	07/01/90 to 08/25/90	
	TOTAL		\$ 5,720.40
2)	FOOD, ACCOMMODATION, AND SUPPLIES		
	Rate per day :	\$56.09	
	No. of days :	40	
	Dates :	07/01/90 to 08/25/90	
	TOTAL		\$ 2,243.60
3)	TRANSPORTATION		
	Rate per day :	\$192.48	
	No. of days :	40	
	Dates :	07/01/90 to 08/25/90	
	TOTAL		\$ 7,699.20
4)	ANALYSES		
	385 soils for 28 element ICP & Au @	\$9.25 each	\$ 3,561.25
	4 silts	"	\$ 37.00
	73 rocks	" \$11.25 each	\$ 821.25
	TOTAL		\$ 4,419.50
5)	COST OF PREPARATION OF REPORT		
	Author		\$ 250.00
	Drafting		\$ 100.00
	Typing		\$ 50.00
	Data Processing		\$ 462.00
	TOTAL		\$ 862.00
	TOTAL COST		\$20,944.70

APPENDIX III
STATEMENT OF QUALIFICATIONS

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.
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
Geologist
Noranda Exploration Company, Limited
(No Personal Liability)

APPENDIX IV
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.

APPENDIX V

CERTIFICATES OF ANALYSIS - SOILS

NORANDA VANCOUVER LABORATORY

Geochemical Analysis

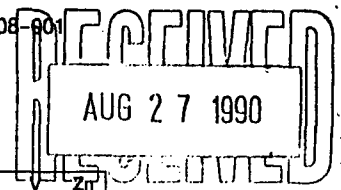
293
Results

Project Name & No.: KNIPPLE LK. - 293
Material: 117 SOILS & 15 SILTS
Remarks: * Sample screened @ -35 mesh

Geol. M.S. Sheet 1 of 4

Date rec'd: JUL. 28
Date compl: AUG. 21

LAB CODE: 9008-901



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 acid dissolution methods.

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 %	P %	Pb ppm	Sr ppm	Ti %	Zn ppm	Zn ppm
2	8500N-10150W	5	1.2	4.92	35	961	1.1	2	0.53	1.9	55	17	3	29	5.49	2.29	23	15	0.92	1824	1	0.02	5	0.12	21	27	0.20	188	113
3	10175	5	0.8	4.50	39	969	1.0	2	0.55	2.0	54	18	3	27	5.34	2.12	22	13	0.91	1948	1	0.02	5	0.11	21	27	0.17	184	111
4	10250	5	0.4	4.15	38	1246	1.0	2	0.88	1.8	55	18	2	24	4.83	2.08	21	13	0.82	1573	1	0.02	5	0.11	18	38	0.18	170	103
5	10300	5	0.4	4.98	33	985	1.1	2	0.55	1.8	58	18	2	28	4.97	2.27	24	14	0.97	1939	1	0.02	5	0.13	18	25	0.18	178	120
6	8500N-10325W	5	1.0	4.15	34	725	1.0	2	0.72	1.8	55	18	2	24	4.81	1.81	21	13	0.91	1658	1	0.02	5	0.11	21	28	0.18	188	110
7	8500N-10350W	5	0.8	4.21	33	817	0.9	2	0.41	2.0	53	18	2	25	4.93	2.04	22	12	0.89	1941	1	0.03	5	0.11	20	21	0.18	182	111
8	10375	5	1.0	4.20	32	807	1.0	2	0.78	1.9	55	18	2	23	4.71	1.93	21	12	0.84	1833	1	0.03	5	0.11	19	27	0.14	181	108
9	10475	5	0.8	4.73	37	1331	1.1	3	0.45	2.1	53	18	2	28	5.18	2.20	22	13	0.90	1876	1	0.02	5	0.11	24	28	0.15	175	118
10	10500	5	1.2	3.91	29	793	0.8	2	0.71	1.8	45	14	2	19	4.64	1.78	17	11	0.79	1318	1	0.02	4	0.11	12	23	0.11	148	102
11	8500N-10525W	5	1.4	4.65	28	803	0.9	2	0.45	1.4	49	15	2	27	4.93	2.19	21	12	0.77	1658	1	0.02	4	0.12	12	22	0.14	165	105
12	8500N-10550W	5	1.2	4.74	32	851	1.0	2	1.29	1.8	55	18	3	29	5.07	2.22	20	12	0.79	1688	1	0.02	4	0.12	17	38	0.13	171	106
13	10575	10	1.0	4.42	32	785	0.9	2	0.41	1.8	49	18	3	28	5.14	2.05	21	11	0.80	1927	1	0.03	5	0.12	18	23	0.15	189	102
14	10600	5	0.8	3.95	32	658	0.8	2	0.34	1.8	42	14	2	22	4.89	1.80	18	10	0.75	1498	1	0.02	4	0.11	12	18	0.13	158	93
15	10625	5	0.8	4.38	35	900	0.9	2	0.54	1.9	50	15	3	28	5.08	2.14	21	12	0.84	1971	1	0.03	5	0.12	12	22	0.13	184	98
16	8500N-10650W	5	1.0	4.50	25	788	0.9	2	0.33	1.9	48	15	2	25	5.23	2.15	20	12	0.87	2100	1	0.03	5	0.11	12	20	0.14	167	104
17	8500N-10675W	5	1.2	4.27	32	868	1.0	2	0.38	2.0	51	18	2	27	5.10	2.08	24	11	0.78	2827	1	0.03	5	0.12	13	23	0.15	188	99
18	10700	5	1.4	4.01	30	851	0.9	2	0.37	1.8	50	17	2	28	4.98	1.98	22	11	0.83	2582	1	0.03	5	0.11	13	23	0.15	180	106
19	10750	5	1.2	4.47	36	783	0.9	2	0.73	2.1	52	17	2	28	5.22	2.15	21	12	0.84	1891	1	0.03	4	0.12	15	27	0.15	185	108
20	10775	5	1.2	4.46	18	1010	0.9	2	0.38	1.8	42	18	3	28	5.02	2.02	18	14	1.07	1793	1	0.03	5	0.12	10	23	0.14	188	109
21	8500N-10800W	5	1.8	4.98	12	537	0.8	2	0.18	0.9	34	11	4	14	4.28	1.68	17	12	0.70	1291	1	0.02	3	0.16	3	11	0.13	159	87
22	8500N-10825W	5	1.0	4.78	18	998	0.9	2	1.59	1.5	45	15	3	24	4.80	2.09	17	15	0.97	1538	1	0.02	4	0.10	5	47	0.13	189	103
23	10850	10	1.4	4.81	18	792	0.9	2	0.43	1.7	44	17	2	27	4.94	1.95	19	14	1.01	1828	1	0.02	4	0.11	13	20	0.15	175	112
24	10875	20	1.0	4.74	21	890	0.9	2	0.43	2.0	48	17	3	30	5.02	2.11	20	15	1.08	1939	1	0.04	6	0.11	23	30	0.17	188	124
25	8500N-10900W	15	1.0	4.78	21	942	0.9	2	0.34	1.8	44	18	2	32	5.22	2.21	20	14	0.97	1949	1	0.02	5	0.11	12	20	0.14	178	115
26	9900N-10000W	20	1.2	5.23	41	850	1.0	2	0.18	1.9	52	15	3	24	4.98	1.79	21	11	0.81	2770	1	0.08	7	0.12	16	25	0.15	172	124
27	9900N-10025W	5	0.8	5.03	25	551	0.9	2	0.12	1.3	46	18	7	22	5.09	1.48	18	14	0.88	2880	1	0.05	9	0.17	10	21	0.17	179	120
28	10050	50	2.4	4.95	103	1515	1.1	2	0.28	2.3	72	20	5	30	5.91	1.54	40	17	0.98	5789	2	0.02	7	0.14	19	18	0.11	173	148
29	10075	40	0.2	4.85	31	847	1.2	2	0.18	2.0	78	21	7	20	5.88	1.34	21	18	0.80	5417	1	0.02	6	0.28	9	13	0.13	188	125
30	10125	100	3.4	5.12	32	8479	1.2	5	0.18	3.2	130	38	7	32	6.55	1.28	64	20	0.92	13890	3	0.05	13	0.25	19	74	0.15	173	191
31	9900N-10150W	80	4.4	4.84	37	3428	1.0	2	0.14	1.9	72	19	8	91	5.27	1.32	33	17	1.04	5939	1	0.04	7	0.14	22	38	0.13	174	143
32	9900N-10200W	70	0.4	4.85	14	1490	1.3	2	0.19	1.8	81	22	3	85	5.87	1.80	22	14	1.08	2954	1	0.05	6	0.10	3	19	0.15	181	113
33	10250	45	0.2	5.39	15	2831	1.5	2	0.21	1.8	78	21	3	112	5.65	1.78	32	18	1.20	3752	1	0.04	7	0.12	4	21	0.17	192	118
34	10275	20	0.2	5.30	8	1998	1.2	2	0.20	1.8	64	19	4	88	5.42	1.97	22	15	1.24	2489	1	0.05	7	0.11	2	25	0.19	187	112
35	10325	10	0.2	5.89	17	918	1.4	2	0.12	1.8	81	20	3	38	5.28	2.07	24	16	1.04	2405	1	0.03	7	0.10	11	11	0.12	188	108
36	9900N-10350W	5	0.2	5.75	13	782	1.5	2	0.14	1.8	88	17	5	91	4.91	1.95	25	17	0.98	2578	1	0.05	8	0.13	12	15	0.18	183	111

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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	9008-001 Pg. 2 of 4
37	9900N-10400W	10	0.2	6.20	4	713	1.4	2	0.33	1.6	65	19	5	34	5.03	2.23	28	15	1.16	2393	1	0.13	12	0.13	14	36	0.21	162	116	
38	10425	5	0.2	5.83	14	659	1.7	2	0.05	1.8	86	11	4	33	4.65	2.00	31	12	0.69	1413	2	0.02	5	0.17	38	10	0.11	107	112	
39	10475	5	0.2	5.04	12	483	0.8	2	0.10	0.5	38	9	9	16	3.60	1.52	17	13	0.80	1212	1	0.04	6	0.18	9	16	0.19	139	77	
40	10525	5	0.2	5.19	5	588	1.2	2	0.16	1.2	53	16	5	32	4.39	1.70	19	15	1.16	1745	1	0.04	7	0.11	9	13	0.16	147	90	
41	9900N-10675W	5	0.2	4.82	2	649	1.2	2	0.10	0.8	52	13	3	31	3.89	1.67	20	13	0.86	1437	1	0.03	6	0.09	10	9	0.09	114	83	
42	9900N-10700W	5	0.4	4.89	4	626	1.2	2	0.06	1.0	47	15	4	25	3.89	1.66	18	14	0.63	2737	1	0.03	6	0.22	16	11	0.10	116	67	
43	10725	5	0.2	5.50	2	611	1.3	2	0.06	0.8	48	17	4	22	4.34	1.71	19	15	0.66	2672	1	0.03	6	0.26	19	12	0.11	131	88	
44	10775	5	0.2	6.42	6	632	1.1	2	0.05	0.7	50	13	3	15	4.37	2.11	23	13	0.54	1029	1	0.04	5	0.13	6	20	0.12	130	98	
45	10850	15	0.2	4.61	6	574	1.0	2	0.08	0.5	45	11	5	24	3.69	1.29	20	14	0.49	1329	1	0.04	6	0.16	12	15	0.11	92	81	
46	9900N-10875W	5	0.2	4.87	2	600	0.8	2	0.07	0.4	34	12	6	14	2.98	1.50	17	13	0.42	2996	1	0.04	5	0.18	16	18	0.13	106	52	
47	9900N-10900W	20	0.6	4.63	8	563	1.0	2	0.05	0.6	43	11	4	25	3.56	1.09	19	15	0.48	1031	1	0.02	5	0.12	23	10	0.08	95	88	
48	10950	5	0.2	5.35	6	647	1.0	2	0.03	0.3	38	11	4	23	3.49	1.53	17	14	0.52	1062	1	0.03	4	0.13	12	10	0.08	104	71	
49	10975	20	1.8	5.05	35	602	1.0	2	0.02	1.0	44	14	4	30	4.29	1.82	19	18	0.50	1610	1	0.02	5	0.10	34	11	0.07	110	106	
51	11050	5	0.2	4.63	2	436	0.6	2	0.06	0.2	26	5	4	17	3.19	1.31	13	10	0.39	540	1	0.02	3	0.26	2	11	0.11	98	65	
52	9900N-11075W	5	0.2	5.30	2	562	0.9	2	0.08	0.3	38	9	3	22	3.32	1.83	16	15	0.61	715	1	0.04	5	0.10	13	16	0.12	112	69	
53	9900N-11100W	5	0.2	5.17	2	543	1.0	2	0.09	0.5	49	10	3	23	3.66	1.83	19	15	0.67	852	1	0.04	5	0.11	12	15	0.14	116	65	
54	11125	5	0.4	4.33	2	374	0.7	2	0.08	0.2	39	3	7	12	2.42	1.21	18	10	0.35	280	1	0.05	4	0.16	4	17	0.21	96	51	
55	11150	5	0.2	4.58	3	490	0.9	2	0.11	0.9	48	12	3	20	3.98	1.60	15	12	0.63	1585	1	0.03	4	0.18	9	15	0.14	114	80	
56	11175	5	0.4	4.83	2	489	0.8	2	0.11	0.4	40	7	5	13	3.58	1.58	18	13	0.59	402	1	0.03	4	0.20	10	22	0.19	133	72	
57	9900N-11200W	5	1.6	4.69	12	428	0.8	2	0.13	1.0	43	10	6	17	4.38	1.33	17	13	0.65	1050	1	0.03	5	0.15	9	22	0.21	127	86	
58	9900N-11225W	5	1.0	4.82	12	477	0.9	2	0.16	0.9	47	11	6	18	4.33	1.47	18	13	0.70	1515	1	0.03	6	0.19	15	24	0.21	137	95	
59	11250	5	1.2	4.83	9	493	0.8	2	0.11	0.9	40	11	6	18	4.04	1.62	18	14	0.75	1236	1	0.03	5	0.16	13	22	0.20	140	94	
60	11275	5	0.8	4.81	14	464	0.8	2	0.12	0.8	32	8	7	14	4.04	1.51	14	14	0.69	857	1	0.02	5	0.19	10	21	0.19	139	92	
61	11300	5	0.6	4.03	2	436	0.8	2	0.12	0.3	27	8	5	11	3.35	1.43	13	9	0.47	1612	1	0.03	3	0.16	4	23	0.18	125	62	
62	9900N-11325W	5	0.2	4.78	2	546	0.8	2	0.10	0.6	30	7	5	12	3.97	1.74	15	11	0.59	861	1	0.03	4	0.21	3	19	0.17	133	79	
63	9900N-11375W	5	0.4	5.12	2	557	0.9	2	0.13	0.6	46	10	4	19	3.82	1.93	17	13	0.68	781	1	0.05	5	0.12	5	23	0.18	136	80	
64	11400	5	1.2	5.65	2	678	0.9	2	0.05	0.3	34	9	3	18	3.30	2.25	15	11	0.66	955	1	0.02	3	0.14	2	10	0.12	128	77	
65	11425	5	0.2	6.19	2	796	1.0	2	0.05	0.7	34	14	2	19	3.82	2.51	17	9	0.61	2011	1	0.02	4	0.23	7	9	0.11	133	84	
66	11450	5	0.6	5.24	11	652	1.2	2	0.14	1.0	52	14	4	24	4.47	2.10	22	12	0.65	1472	1	0.04	6	0.16	11	22	0.17	132	90	
67	9900N-11475W	5	0.4	6.39	3	926	1.3	2	0.08	1.0	60	18	3	23	4.31	2.27	22	16	0.64	1561	1	0.03	4	0.15	9	16	0.13	149	110	
68	9900N-11500W	5	0.8	5.85	7	992	0.9	2	0.14	0.8	41	12	2	18	3.93	2.01	20	14	0.62	542	1	0.03	4	0.13	12	28	0.12	154	94	
69	9900N-11600W	5	0.4	6.53	2	1242	1.3	2	0.43	2.5	76	21	3	37	4.76	2.34	29	21	1.25	2382	1	0.04	6	0.10	22	23	0.15	175	192	
70	10000N-10000W	10	0.4	3.68	2	963	0.9	2	0.34	1.3	46	18	12	18	4.74	1.04	16	13	0.49	5938	1	0.03	7	0.25	2	20	0.12	161	137	
71	10025	5	0.2	4.81	6	517	0.9	2	0.12	1.0	47	13	5	18	4.55	1.41	21	16	0.92	1683	1	0.04	9	0.11	2	16	0.11	162	116	
72	10000N-10050W	45	0.2	4.99	4	583	1.1	2	0.10	1.1	46	13	6	17	4.82	1.54	20	13	0.82	1933	1	0.03	7	0.15	2	11	0.15	173	98	
73	10000N-10075W	5	0.2	3.46	2	664	0.7	2	0.25	0.7	29	12	7	14	3.63	1.16	13	6	0.38	2702	1	0.02	5	0.30	3	19	0.12	126	95	
74	10175	110	0.6	4.96	17	847	1.1	2	0.26	2.0	64	23	5	41	5.74	1.88	31	15	1.26	3374	1	0.06	10	0.09	7	19	0.16	194	115	
75	10200	25	0.2	4.98	10	726	1.1	2	0.25	2.1	57	21	5	35	6.15	1.70	28	18	1.65	3038	1	0.04	10	0.10	4	15	0.16	211	121	
76	10250	10	0.4	5.49	13	1541	1.2	2	0.33	1.8	57	24	5	27	6.80	2.31	24	12	1.13	3366	1	0.10	11	0.10	2	31	0.15	230	109	
77	10000N-10325W	10	0.2	5.52	9	917	1.2	2	0.20	0.9	46	14	5	35	4.38	2.08	26	19	0.88	1164	1	0.05	10	0.09	11	25	0.15	147	112	
78	10000N-10350W	5	0.2	6.26	12	773	1.2	2	0.09	0.5	43	13	3	24	4.00	2.32	19	21	0.65	1676	1	0.05	5	0.12	34	26	0.13	146	104	
79	10375	5	0.2	5.47	2	516	1.6	2	0.15	0.9	78	12	9	28	4.65	1.47	24	17	0.88	2199	1	0.07	7	0.14	6	13	0.24	167	103	
80	10400	5	0.2	5.80	2	782	1.1	2	0.30	1.1	48	17	5	27	4.72	2.17	22	14	1.28	1933	1	0.09	8	0.10	2	28	0.19	187	108	
81	10000N-10425W	5	0.2	4.26	2	1260	1.1	2	0.38	1.5	47	12	5	28	3.49	1.50	19	8	0.41	4055	1	0.03	5	0.26	10	26	0.14	106	106	

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bc ppm	Bl 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	Br ppm	Tl %	V ppm	Zn ppm	8008-001 Pg. 3 of 4
82	10000N-10450W	6	0.2	4.74	2	804	1.1	2	0.40	1.0	43	12	4	17	3.74	1.80	16	14	1.05	1835	1	0.03	6	0.15	9	17	0.24	142	84	
83	10000N-10475W	10	0.2	8.11	2	823	1.1	2	0.08	0.4	41	9	3	17	3.37	1.87	17	12	0.68	791	1	0.03	4	0.11	9	10	0.13	127	68	
84	10500	8	0.2	5.18	2	786	1.2	2	0.25	0.7	59	13	4	37	4.02	1.98	28	13	1.11	925	1	0.03	7	0.07	7	17	0.21	139	93	
85	10525	6	0.2	4.87	8	498	1.0	2	0.29	1.7	44	19	4	38	5.47	1.82	18	16	1.73	1413	1	0.07	8	0.07	6	21	0.22	188	102	
86	10575	6	0.2	4.98	2	809	1.2	2	0.12	0.9	58	14	3	31	3.72	1.88	21	13	0.87	1375	1	0.05	7	0.09	11	15	0.12	118	79	
87	10000N-10800W	6	0.2	4.74	2	834	1.0	2	0.08	0.6	41	12	4	23	3.83	1.80	15	14	0.74	1878	1	0.02	4	0.17	8	8	0.09	109	80	
88	10000N-10825W	6	0.2	4.84	2	828	1.1	2	0.28	0.8	37	14	6	19	3.72	1.54	15	14	0.59	2747	1	0.03	6	0.20	13	18	0.10	113	107	
89	10850	6	0.2	5.10	2	534	0.9	2	0.04	0.2	32	8	6	18	3.00	1.46	14	16	0.53	871	1	0.02	4	0.21	3	8	0.08	108	70	
90	10875	6	0.2	5.98	2	748	1.3	2	0.08	0.9	65	14	6	36	4.17	2.00	20	18	0.85	1831	1	0.04	6	0.12	9	13	0.09	129	100	
91	10700	8	0.2	5.23	2	858	1.2	2	0.10	0.6	53	13	3	31	3.87	1.88	18	17	0.80	1820	1	0.05	6	0.10	5	15	0.10	118	94	
92	10000N-10725W	10	0.2	5.32	2	697	1.2	2	0.07	0.7	52	13	3	31	3.73	1.82	20	16	0.91	1659	1	0.03	6	0.11	6	8	0.10	128	88	
93	10000N-10775W	10	0.2	6.37	2	828	1.2	2	0.10	0.7	52	12	6	24	4.29	1.84	22	22	0.69	1423	1	0.05	6	0.15	6	20	0.13	158	97	
94	10800	6	0.2	5.78	2	719	1.1	2	0.10	0.6	44	10	6	20	3.72	1.81	20	16	0.62	1138	1	0.05	7	0.17	9	17	0.13	118	82	
95	10825	6	0.2	5.80	2	827	0.9	2	0.06	0.2	37	9	4	14	3.38	2.10	18	12	0.59	624	1	0.03	4	0.11	4	12	0.11	109	70	
96	10850	10	0.2	4.88	2	528	1.1	2	0.09	0.5	62	6	7	18	3.37	1.33	26	13	0.45	303	1	0.09	6	0.11	7	15	0.17	90	77	
97	10000N-10875W	16	0.2	5.51	5	738	1.0	2	0.09	0.5	43	12	3	24	3.53	1.54	19	15	0.60	718	1	0.05	6	0.10	11	16	0.10	107	83	
98	10000N-10900W	10	0.8	4.54	2	497	0.7	2	0.05	0.2	40	2	10	8	2.28	1.04	19	10	0.29	112	1	0.05	3	0.09	8	13	0.20	112	46	
99	10925	10	0.2	4.71	4	619	1.0	2	0.03	0.6	40	8	4	23	3.67	1.52	19	14	0.47	505	1	0.03	4	0.11	8	8	0.06	80	74	
101	10950	6	0.4	3.45	7	456	0.8	2	0.12	0.5	25	10	6	19	3.26	1.11	12	9	0.30	1288	1	0.03	4	0.19	12	15	0.10	84	73	
102	10975	6	0.6	5.00	5	553	0.9	2	0.05	0.5	33	11	4	17	3.88	1.53	17	12	0.34	2093	1	0.03	3	0.27	22	15	0.12	106	85	
103	10000N-11050W	6	0.6	4.88	2	378	0.8	2	0.06	0.2	36	3	7	9	2.42	1.14	18	10	0.38	151	1	0.05	3	0.13	6	13	0.23	113	60	
104	10000N-11075W	6	0.4	4.98	2	649	0.8	2	0.07	0.3	43	7	3	21	2.98	1.79	18	12	0.53	628	1	0.03	3	0.10	6	14	0.13	108	86	
105	11125	6	0.4	4.38	3	394	0.5	2	0.06	0.2	34	2	6	8	1.84	1.19	17	17	0.33	117	1	0.03	3	0.09	8	17	0.19	104	42	
106	11150	6	0.2	4.09	2	398	0.8	2	0.05	0.2	26	3	6	9	2.01	1.21	14	8	0.32	422	1	0.03	2	0.13	2	12	0.15	108	40	
107	11175	6	0.2	4.34	2	482	0.8	2	0.11	0.2	33	2	10	6	1.66	1.37	17	7	0.35	216	1	0.04	3	0.09	5	25	0.26	110	58	
108	10000N-11200W	6	0.8	3.84	2	360	0.8	2	0.08	0.2	30	3	9	11	2.52	1.09	15	8	0.30	457	1	0.06	4	0.21	2	17	0.18	91	53	
109	10000N-11225W	6	0.6	4.95	2	672	0.9	2	0.13	0.4	38	12	6	26	3.78	1.78	14	12	0.75	1961	1	0.02	4	0.16	2	13	0.11	113	89	
110	11250	6	1.2	4.53	2	553	0.9	2	0.07	0.2	37	9	6	21	3.19	1.88	16	11	0.44	1170	1	0.03	4	0.15	10	13	0.09	96	78	
111	11275	6	1.6	5.02	2	484	0.9	2	0.10	0.4	38	11	3	21	3.83	1.20	15	14	0.77	1142	1	0.02	4	0.10	4	12	0.13	115	88	
112	11300	6	0.2	6.09	11	1681	1.7	2	0.37	0.4	38	7	6	16	3.09	2.02	21	14	0.84	459	1	0.04	5	0.17	2	28	0.14	128	77	
113	10000N-11325W	6	0.8	3.99	2	432	0.7	2	0.12	0.4	32	8	4	12	3.30	0.80	13	9	0.47	1244	1	0.03	3	0.14	2	19	0.11	108	72	
114	10000N-11350W	6	0.6	4.32	8	478	0.8	2	0.16	0.7	33	9	6	14	3.81	1.45	14	13	0.81	1047	1	0.03	4	0.20	2	21	0.17	122	87	
115	11375	6	0.6	4.25	10	475	0.8	2	0.22	0.8	46	9	4	20	3.85	1.44	17	14	0.69	912	1	0.03	5	0.12	3	27	0.21	129	88	
116	11400	6	0.6	5.03	13	491	1.0	2	0.07	0.7	43	12	4	24	3.85	1.33	17	12	0.69	1809	1	0.02	4	0.13	2	13	0.13	138	86	
117	11425	6	0.8	4.22	9	597	0.9	2	0.23	1.0	45	11	6	21	4.15	1.45	20	12	0.69	1489	1	0.03	5	0.11	4	28	0.18	135	88	
118	10000N-11450W	6	0.6	4.37	11	654	0.8	2	0.11	0.7	38	9	6	14	3.86	1.80	13	10	0.52	1162	1	0.03	3	0.19	4	20	0.16	126	83	
119	10000N-11475W	6	0.4	4.75	8	534	0.8	2	0.08	0.9	34	11	6	18	3.90	1.58	15	10	0.56	2164	1	0.02	4	0.20	6	17	0.14	130	86	
120	10000N-11500W	6	1.8	5.28	10	518	1.0	2	0.08	0.8	57	15	6	25	4.14	1.60	21	17	0.85	1332	1	0.02	5	0.12	2	11	0.11	133	94	
121	SILT 103772	20	0.8	4.44	8	820	0.9	2	0.28	1.1	45	12	4	27	4.29	1.82	21	12	0.83	1316	1	0.02	4	0.09	10	26	0.12	130	102	
122	103773	6	0.2	5.07	17	782	1.0	2	0.23	0.8	40	13	2	21	3.89	2.08	19	10	0.80	1297	1	0.03	3	0.09	2	18	0.07	124	94	
123	SILT 103774	10	0.6	5.83	6	780	1.3	2	0.29	0.7	48	11	4	28	3.71	1.65	21	21	0.62	1188	2	0.05	6	0.11	15	25	0.11	118	91	
124	SILT 103775	10	0.2	4.68	8	813	0.9	2	0.41	1.0	38	14	4	29	4.15	1.25	16	19	1.19	1411	1	0.03	5	0.08	7	18	0.25	160	105	
125	SILT 106652	18	0.8	4.09	11	772	0.9	2	0.45	0.7	41	13	3	24	3.82	1.13	17	11	0.78	1731	1	0.02	4	0.10	4	33	0.11	132	107	

NORANDA VANCOUVER LABORATORY

Geochemical Analysis

Copy to Mike
Assay
Res
293

Project Name & No.: KNIPPLE LK - 293 Geol.: B.F.
 Material: 116 SOILS Sheet: 1 of 3
 Remarks: * Sample screened @ -35 mesh.

Date rec'd: JUL. 30
 Date compl: AUG. 21

LAB CODE: 9008-3097

RECEIVED
 AUG 23 1990

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 9 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 acid dissolution methods.

T.T. No.	SAMPLE No.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sr	Ti	V	Zn
		ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
2	9500N-10075W	5	2.8	5.13	15	819	1.4	2	0.28	1.6	66	16	7	42	4.90	1.38	29	18	0.98	2500	1	0.08	10	0.15	27	28	0.20	181	142
3	10100	5	2.0	5.98	10	767	1.3	2	0.18	1.6	55	17	7	27	4.98	1.71	22	19	0.97	2385	1	0.04	9	0.18	28	17	0.21	182	119
4	10125	5	0.4	5.87	8	835	1.2	2	0.13	1.8	55	19	5	29	5.41	1.68	19	19	1.18	2888	1	0.03	7	0.18	21	11	0.20	204	124
5	10150	5	0.4	5.12	2	504	1.2	2	0.11	1.3	55	9	6	19	4.54	1.29	20	15	0.81	918	1	0.05	6	0.17	17	10	0.17	183	101
6	9500N-10175W	5	0.4	5.58	8	828	1.2	2	0.14	1.6	62	18	4	29	6.10	1.93	21	16	1.03	2514	1	0.05	7	0.14	16	12	0.18	179	114
7	9500N-10225W	5	0.6	5.39	13	740	1.5	2	0.13	1.9	68	18	3	40	5.07	1.98	24	16	1.08	3100	1	0.04	8	0.11	26	12	0.18	168	132
8	10525	5	0.2	5.90	2	689	1.0	2	0.05	0.8	48	12	3	17	3.84	1.93	21	16	0.71	845	1	0.03	5	0.12	9	12	0.12	142	73
9	10650	5	0.2	5.52	6	730	1.4	2	0.09	1.5	57	15	4	28	4.58	1.77	22	16	0.77	1473	1	0.05	7	0.10	11	16	0.11	134	109
10	10875	5	0.2	5.58	2	612	1.1	2	0.08	1.1	58	14	5	22	4.43	1.38	19	15	0.80	1744	1	0.04	6	0.13	12	14	0.12	143	95
11	9500N-10700W	5	0.6	5.32	4	866	1.0	2	0.07	1.2	45	12	4	19	4.06	1.48	19	13	0.70	1124	1	0.03	6	0.13	19	13	0.13	144	83
12	9500N-10725W	5	1.6	4.77	10	422	1.5	2	0.06	1.7	129	10	4	49	4.48	1.14	29	14	0.44	1480	1	0.09	7	0.20	22	8	0.11	84	133
13	10750	5	0.2	5.51	6	696	1.2	2	0.10	1.4	58	12	4	23	4.36	1.87	24	16	0.82	1288	1	0.04	7	0.13	23	16	0.14	144	95
14	10775	5	0.2	6.18	10	646	1.4	2	0.14	2.1	64	17	4	30	4.98	2.19	25	17	0.96	1981	1	0.04	8	0.14	29	15	0.14	161	115
15	10800	5	2.6	4.48	25	400	1.2	2	0.07	1.6	86	9	5	23	4.78	1.01	35	13	0.39	1258	1	0.07	5	0.16	68	8	0.11	84	90
16	9500N-10825W	5	0.6	4.73	17	534	0.9	2	0.06	2.2	38	13	6	19	5.08	1.43	17	11	0.45	2582	2	0.03	5	0.25	30	15	0.13	124	97
17	9500N-10850W	5	0.8	4.64	18	484	1.0	2	0.05	1.6	51	13	6	22	4.57	1.39	24	12	0.47	1930	2	0.03	6	0.24	32	12	0.13	116	81
18	10875	5	1.2	4.96	9	555	0.8	2	0.07	0.8	38	7	6	14	3.25	1.69	19	13	0.49	458	1	0.03	5	0.18	35	18	0.14	131	60
19	10800	5	1.0	3.94	7	457	0.7	2	0.06	0.9	32	5	7	12	3.02	1.30	16	9	0.38	602	1	0.03	4	0.19	22	13	0.12	108	61
20	10925	5	0.8	3.78	8	389	0.7	2	0.05	1.0	32	8	7	13	3.92	1.19	16	9	0.34	2030	1	0.04	4	0.27	25	11	0.11	99	72
21	9500N-11000W	5	0.4	3.20	6	410	0.8	2	0.06	0.6	33	5	7	9	3.25	1.03	16	6	0.29	1380	1	0.04	3	0.22	16	17	0.16	95	54
22	9500N-11025W	5	0.6	3.94	9	400	0.7	2	0.07	0.8	37	6	5	12	3.37	1.19	17	12	0.40	575	1	0.03	3	0.25	13	11	0.13	96	65
23	11050	5	0.2	5.34	13	707	1.1	2	0.08	1.1	52	22	3	29	4.40	2.27	23	12	0.51	1958	1	0.03	7	0.13	12	48	0.09	121	83
24	11075	5	0.2	4.77	35	820	1.3	2	0.13	1.7	101	23	4	61	5.09	1.92	46	14	0.66	4023	1	0.04	8	0.13	28	18	0.10	125	92
25	11100	5	0.2	5.61	19	1018	1.3	2	0.24	1.2	79	18	4	89	4.54	2.34	34	15	0.73	2403	1	0.02	7	0.15	19	14	0.08	130	101
26	9500N-11125W	5	0.4	5.69	24	826	1.5	2	0.23	1.5	91	16	5	50	4.48	2.18	33	15	0.81	2565	1	0.02	7	0.15	31	15	0.11	160	104
27	9500N-11150W	5	0.2	6.88	30	1084	1.2	2	0.27	1.8	55	19	2	20	4.87	2.70	21	17	1.10	4415	1	0.03	5	0.11	16	19	0.14	201	100
28	11200	5	0.6	5.35	27	912	1.3	2	0.27	1.3	61	14	4	38	4.46	1.90	22	17	0.80	2431	1	0.03	6	0.17	24	21	0.15	151	104
29	11225	5	0.4	5.13	23	1304	1.1	2	0.92	1.9	62	15	4	48	4.13	2.20	23	15	0.78	2977	1	0.03	6	0.18	35	41	0.13	139	111
30	9500N-11250W	5	0.6	5.73	26	1080	1.2	2	0.33	2.6	69	23	3	76	4.87	2.32	29	15	0.77	3123	1	0.04	7	0.13	106	23	0.14	145	149
31	9600N-10200W	5	0.6	4.78	18	707	1.2	2	0.16	1.8	55	19	4	30	5.33	1.84	22	14	1.10	2801	1	0.03	7	0.08	25	11	0.19	178	136
32	9600N-10225W	5	1.0	4.55	28	756	1.1	2	0.19	2.2	56	19	3	29	5.49	1.80	24	13	1.06	3230	1	0.03	7	0.08	24	13	0.18	175	145
33	10250	5	0.6	5.11	17	763	1.3	2	0.21	2.0	62	20	5	32	5.33	1.71	23	15	1.18	2440	1	0.04	8	0.11	25	13	0.20	180	117
34	10275	5	0.4	5.10	21	702	1.3	2	0.20	2.0	55	19	5	31	5.36	1.54	23	14	1.18	2198	1	0.03	9	0.11	27	12	0.21	187	118
35	10300	5	1.0	4.38	32	658	1.2	3	0.28	2.0	56	20	3	27	5.21	1.65	21	12	1.12	2727	2	0.07	8	0.09	26	21	0.22	169	131
36	9600N-10325W	5	0.8	4.98	30	733	1.3	2	0.18	2.2	59	20	4	29	5.37	1.87	22	14	1.16	2913	1	0.03	8	0.10	25	12	0.19	177	138

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	9008-009 Pg. 2 of 3
37	9600N-10800W	5	0.2	6.12	18	740	1.0	2	0.08	1.4	45	14	4	16	4.78	2.01	20	16	0.69	1231	1	0.04	5	0.22	20	14	0.12	151	84	
38	10825	5	0.2	6.61	11	801	0.9	2	0.05	2.1	33	11	6	16	5.56	1.71	15	14	0.63	1117	1	0.02	5	0.28	18	9	0.12	162	99	
39	10850	5	0.2	6.81	12	1037	1.0	2	0.12	1.3	34	9	6	12	4.25	2.50	16	8	0.47	1375	1	0.03	4	0.31	11	15	0.12	142	112	
40	10875	5	0.2	6.83	16	950	1.1	2	0.02	1.5	36	12	3	16	4.98	2.58	17	14	0.60	878	1	0.02	5	0.16	13	10	0.09	155	109	
41	9600N-10700W	5	0.2	6.36	5	821	0.9	2	0.03	0.8	28	11	2	15	3.77	2.20	13	12	0.51	1265	1	0.02	4	0.16	31	9	0.09	132	82	
42	9600N-10725W	5	0.2	6.15	5	888	1.2	2	0.08	1.3	48	19	4	23	4.52	2.18	19	18	0.89	2689	1	0.03	7	0.15	23	14	0.11	191	94	
43	10750	5	0.2	7.14	6	903	1.4	2	0.14	1.6	46	21	3	22	5.23	2.81	20	18	1.13	2007	1	0.04	7	0.08	20	11	0.09	216	132	
44	10775	5	0.2	6.89	9	723	1.0	2	0.08	1.2	35	13	3	15	4.16	1.87	15	15	0.61	1400	1	0.03	5	0.20	18	11	0.10	162	83	
45	10800	5	0.2	5.24	8	574	0.9	2	0.05	0.9	35	11	4	18	3.82	1.41	14	14	0.81	1732	1	0.03	4	0.25	17	10	0.10	162	77	
46	9600N-10825W	5	0.2	6.89	16	859	1.3	2	0.05	1.4	49	18	3	25	4.82	2.04	19	19	0.99	1764	1	0.04	6	0.13	20	11	0.09	164	108	
47	9600N-10850W	5	1.0	4.86	14	599	1.0	2	0.04	0.7	37	10	4	20	3.45	1.53	19	14	0.50	713	1	0.02	4	0.15	31	9	0.08	97	76	
48	10875	5	0.2	5.27	17	725	1.3	2	0.05	1.2	57	12	3	19	3.94	1.30	19	13	0.64	1168	1	0.02	5	0.09	25	9	0.08	105	88	
49	10900	5	0.2	3.87	18	507	0.8	2	0.08	1.1	28	7	4	19	4.06	1.20	13	10	0.33	821	2	0.02	4	0.29	30	10	0.07	98	69	
51	10925	5	0.8	4.30	16	472	1.0	2	0.03	0.8	42	10	4	23	3.51	1.38	18	15	0.48	1328	1	0.02	4	0.15	23	10	0.09	111	86	
52	9600N-10850W	5	1.2	3.74	20	625	0.9	2	0.09	0.9	38	13	3	19	3.82	1.35	14	12	0.45	2207	1	0.03	5	0.22	33	12	0.09	96	91	
53	9600N-10875W	5	1.0	4.13	13	444	0.8	2	0.04	0.8	31	8	4	14	3.30	1.35	16	11	0.39	1315	1	0.02	3	0.16	16	11	0.10	107	58	
54	11025	5	0.4	3.55	9	213	0.9	2	0.09	1.2	43	5	11	9	4.38	0.38	21	8	0.20	892	2	0.07	4	0.28	23	11	0.17	63	65	
55	11050	5	0.2	4.32	7	382	0.7	2	0.08	1.0	37	6	7	15	4.11	1.01	19	8	0.32	720	1	0.02	4	0.21	18	13	0.14	110	59	
56	11075	5	0.6	3.73	14	353	0.7	2	0.10	0.7	38	8	9	13	3.48	1.01	17	9	0.33	932	1	0.04	5	0.31	22	18	0.18	98	68	
57	9600N-11100W	5	0.8	4.02	10	483	0.7	2	0.05	0.2	30	4	6	7	2.01	1.45	16	7	0.37	144	1	0.02	4	0.14	16	14	0.12	114	44	
58	9600N-11125W	5	0.8	3.21	34	1073	1.1	2	0.31	2.1	61	33	5	33	3.63	1.04	23	8	0.33	7608	1	0.02	6	0.28	57	22	0.12	116	100	
59	11150	25	2.0	4.88	73	1018	1.3	2	0.19	2.0	70	24	4	67	4.83	1.58	29	13	0.58	4082	1	0.02	5	0.16	53	15	0.11	162	160	
60	11175	10	0.6	4.69	55	1103	1.3	2	0.28	2.3	54	27	5	45	4.44	1.61	20	14	0.66	3970	1	0.02	5	0.23	63	19	0.14	156	136	
61	11200	10	0.8	4.88	43	1728	1.0	2	0.27	2.7	51	36	4	26	4.21	1.78	21	10	0.53	10924	1	0.03	6	0.17	70	26	0.14	163	121	
62	9600N-11225W	50	1.2	5.23	53	1199	1.4	2	0.28	2.1	53	31	2	32	4.69	2.20	16	11	0.55	5054	1	0.02	4	0.23	66	15	0.13	185	169	
63	9600N-11250W	15	1.4	5.34	70	1255	1.6	2	0.16	2.8	79	26	3	59	4.94	1.96	25	15	0.73	3208	1	0.02	6	0.15	109	14	0.15	180	205	
64	9600N-11300W	5	0.8	5.87	14	997	1.2	2	0.34	1.8	59	19	3	48	4.26	2.49	23	16	1.13	1717	1	0.04	7	0.14	42	20	0.17	161	126	
65	9700N-10025W	5	3.8	4.37	40	904	1.1	2	0.20	2.4	54	20	3	34	5.78	1.81	22	11	0.73	3553	2	0.02	7	0.10	25	17	0.13	168	158	
66	10050	5	2.4	4.84	29	1061	1.1	2	0.19	2.8	66	20	3	32	5.66	1.89	29	13	0.84	4753	2	0.02	7	0.08	28	19	0.14	176	179	
67	9700N-10075W	15	2.2	4.14	47	939	1.1	2	0.14	2.4	61	20	3	30	5.72	1.87	25	12	0.80	4856	2	0.02	6	0.10	29	14	0.12	168	147	
68	9700N-10100W	100	1.6	4.24	36	802	1.1	2	0.18	2.3	50	18	4	24	5.65	1.82	22	12	0.91	3592	2	0.02	6	0.09	22	14	0.15	175	149	
69	10125	20	2.0	4.16	43	1014	1.1	2	0.23	2.2	60	19	4	34	5.45	1.49	29	13	0.91	4394	2	0.03	6	0.10	22	17	0.14	162	139	
70	10150	35	0.8	4.54	32	784	1.2	2	0.13	2.3	59	19	6	24	5.32	1.57	23	15	0.92	4324	2	0.02	6	0.15	22	12	0.15	173	140	
71	10175	15	0.4	5.07	32	648	1.6	2	0.14	2.3	95	20	4	31	5.23	1.84	25	13	1.03	4838	1	0.03	7	0.15	25	9	0.16	169	118	
72	9700N-10200W	25	0.2	4.95	23	504	1.1	2	0.15	1.9	51	18	6	24	5.13	1.50	18	14	1.13	2302	1	0.02	6	0.14	24	10	0.23	179	112	
73	9700N-10225W	5	0.2	4.80	15	841	1.0	2	0.20	2.1	43	18	9	18	5.26	1.55	17	16	0.94	4021	1	0.02	7	0.20	21	18	0.26	189	132	
74	10250	5	0.2	4.82	11	480	0.8	2	0.14	1.1	33	9	7	13	4.09	1.37	14	13	0.84	838	1	0.02	5	0.20	15	8	0.25	192	87	
75	10275	5	0.2	5.25	16	790	1.3	2	0.25	1.6	75	17	8	34	5.07	1.80	26	16	1.19	2526	1	0.03	9	0.18	19	12	0.28	200	112	
76	10400	5	0.2	4.83	10	808	1.2	2	0.13	1.3	52	15	5	22	4.01	1.50	21	12	0.90	1197	1	0.03	6	0.14	27	11	0.16	152	94	
77	9700N-10425W	5	0.2	4.69	16	541	1.6	2	0.13	1.5	76	15	6	30	4.33	1.18	28	13	0.91	965	1	0.04	8	0.12	26	9	0.16	136	117	
78	9700N-10450W	15	0.4	4.74	14	664	1.6	2	0.12	1.6	72	14	7	26	4.67	1.50	29	14	0.92	1394	1	0.04	8	0.13	25	10	0.14	144	111	
79	10475	5	0.2	4.69	16	825	1.2	2	0.15	1.4	52	16	6	25	4.46	1.59	21	14	1.01	1546	1	0.03	7	0.12	24	12	0.12	147	93	
80	10500	5	0.2	4.79	20	543	1.3	2	0.08	1.4	68	15	6	23	4.64	1.53	20	14	0.78	2146	1	0.02	6	0.15	29	9	0.10	132	89	
81	9700N-10525W	5	0.2	4.84	11	657	1.1	2	0.05	1.1	43	10	4	15	4.02	1.61	18	15	0.58	1839	1	0.02	4	0.19	12	10	0.11	145	78	

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	Br ppm	Ti %	V ppm	Zn ppm	8008-009 Pg. 3 of 3
82	9700N-10550W	5	0.2	4.60	17	578	0.8	2	0.06	1.2	30	10	4	15	4.71	1.51	12	10	0.46	1202	1	0.02	3	0.31	8	8	0.08	145	82	
83	9700N-10800W	5	0.2	5.09	16	569	0.9	2	0.04	1.0	33	11	4	15	4.54	1.59	15	11	0.39	1490	1	0.02	4	0.26	14	11	0.11	128	77	
84	10625	5	0.2	6.58	19	668	0.9	2	0.03	1.7	32	14	3	15	5.32	1.85	15	12	0.45	2049	1	0.02	4	0.28	13	10	0.10	141	64	
85	10650	5	0.2	5.86	19	784	0.8	2	0.03	0.8	35	9	3	10	3.78	2.05	17	13	0.50	919	1	0.02	4	0.16	12	11	0.11	147	88	
86	10675	5	0.2	5.96	33	755	1.2	2	0.04	1.5	56	18	3	19	5.05	1.95	21	14	0.60	1867	1	0.03	5	0.13	17	11	0.10	141	104	
87	9700N-10700W	5	0.2	5.22	20	625	0.9	2	0.04	0.8	44	11	3	12	3.71	1.55	19	14	0.51	1300	1	0.03	4	0.16	10	11	0.11	131	70	
88	9700N-10725W	5	0.2	5.47	23	749	1.1	2	0.06	1.3	53	16	2	18	4.51	1.66	20	14	0.59	1808	1	0.03	5	0.11	12	12	0.10	140	91	
89	10750	5	0.4	4.89	30	882	0.8	2	0.04	1.4	39	14	5	11	4.70	1.77	16	8	0.42	2747	1	0.02	4	0.22	4	10	0.10	131	85	
90	10775	10	0.2	5.33	16	696	0.7	2	0.05	0.9	36	8	6	8	2.61	2.10	17	9	0.42	1261	1	0.03	3	0.15	10	15	0.14	131	55	
91	10800	10	0.4	4.80	11	576	0.9	2	0.06	1.0	49	9	7	15	4.01	1.34	22	11	0.42	2324	1	0.05	5	0.26	30	14	0.15	109	81	
92	9700N-10850W	20	1.0	4.49	12	499	1.0	2	0.09	0.6	40	8	6	16	3.12	1.11	20	14	0.53	698	1	0.03	5	0.13	18	18	0.13	105	70	
93	9700N-10875W	10	0.6	4.05	25	487	0.8	2	0.07	0.6	38	9	3	19	3.72	1.08	18	11	0.43	762	1	0.02	4	0.15	24	15	0.08	90	70	
94	10900	5	0.2	3.38	10	271	0.7	2	0.06	0.6	44	7	8	12	3.24	0.70	22	8	0.22	1284	1	0.06	3	0.24	18	11	0.15	76	61	
95	10925	10	0.2	3.84	31	335	0.8	2	0.03	2.0	39	12	7	16	5.48	0.95	19	9	0.30	3066	0	0.03	5	0.25	25	8	0.11	96	81	
96	10950	5	0.4	3.94	12	338	0.8	2	0.09	0.9	43	6	7	14	3.79	1.01	21	11	0.39	576	1	0.05	4	0.26	23	12	0.15	88	72	
97	9700N-10975W	10	0.4	3.76	18	393	0.7	2	0.07	1.1	33	7	7	15	4.15	1.03	15	9	0.38	1302	1	0.03	4	0.32	26	13	0.13	103	68	
98	9700N-11025W	5	0.4	4.11	14	399	0.7	2	0.07	1.4	41	11	8	15	4.37	1.19	17	9	0.47	1790	1	0.03	4	0.17	29	14	0.18	114	71	
99	11050	5	0.2	3.93	18	325	0.9	2	0.06	1.2	35	8	8	14	4.48	0.99	16	9	0.45	1016	2	0.03	4	0.25	21	10	0.14	94	66	
101	11075	10	0.4	4.12	12	345	0.9	2	0.06	0.9	38	8	9	15	3.87	0.93	18	10	0.40	924	1	0.04	5	0.20	16	13	0.14	95	74	
102	11100	5	0.4	3.10	17	410	0.8	2	0.10	1.3	33	9	7	13	4.56	0.98	16	7	0.37	1626	2	0.03	4	0.33	15	14	0.16	98	91	
103	9700N-11125W	5	0.8	4.60	22	460	0.8	2	0.06	1.2	38	8	6	14	4.66	1.42	18	8	0.56	1041	1	0.03	4	0.23	21	14	0.18	127	63	
104	9700N-11150W	5	2.0	5.53	31	639	1.2	2	0.07	2.3	121	21	5	25	5.03	1.30	25	14	0.62	14808	3	0.03	7	0.13	110	27	0.12	119	117	
105	11175	5	3.4	6.57	94	1075	1.4	2	0.09	4.6	68	28	4	166	5.50	2.07	26	18	0.71	6858	2	0.02	8	0.20	126	13	0.11	203	334	
106	11200	5	0.2	5.11	30	595	0.8	2	0.03	1.3	34	7	4	19	4.48	1.73	18	8	0.48	456	1	0.02	4	0.10	20	11	0.13	180	78	
107	11225	10	0.2	5.17	29	518	0.8	2	0.05	1.2	37	9	4	20	5.15	1.59	19	8	0.51	948	1	0.02	4	0.12	25	12	0.16	169	75	
108	9700N-11275W	5	0.6	4.79	30	539	0.7	2	0.06	1.2	32	7	4	18	4.45	1.41	15	8	0.48	477	1	0.02	3	0.08	29	11	0.14	165	61	
109	9700N-11300W	8	4.0	4.95	158	1412	1.4	2	0.29	4.9	79	40	4	95	5.17	2.10	37	14	0.80	5580	8	0.02	11	0.11	174	24	0.12	183	238	
110	11325	5	3.2	4.43	129	1274	1.3	2	0.27	4.1	76	33	4	84	4.91	1.89	35	13	0.75	4956	2	0.02	9	0.11	133	24	0.12	187	224	
111	11350	6	2.8	4.44	141	1248	1.3	2	0.24	3.6	76	33	4	95	4.99	2.00	36	13	0.71	4830	2	0.02	9	0.11	111	24	0.12	183	181	
112	11400	6	0.8	5.00	19	1122	1.3	2	0.25	1.3	60	14	3	38	3.95	2.32	27	12	0.68	1397	1	0.03	6	0.09	34	26	0.09	110	99	
113	9700N-11425W	5	0.6	5.18	24	1039	1.3	2	0.25	1.2	54	13	3	38	3.99	2.29	25	13	0.73	1338	1	0.02	5	0.10	35	30	0.07	112	105	
114	9700N-11450W	5	0.8	4.67	20	903	1.1	2	0.25	1.3	44	19	2	29	3.91	2.06	20	12	0.70	1034	1	0.02	4	0.10	26	23	0.08	113	90	
115	9700N-11475W	140	0.2	4.55	20	825	1.0	2	0.32	2.6	48	15	3	32	4.14	1.89	21	13	0.83	1392	1	0.04	5	0.10	115	26	0.13	126	189	
116	9800N-11325W	16	12.0	4.94	196	1169	1.4	2	0.27	4.6	84	51	5	99	5.17	1.80	28	17	0.88	4556	2	0.02	8	0.19	204	18	0.11	168	250	
117	11350	15	9.0	5.54	177	1125	1.6	2	0.13	4.1	82	54	4	86	5.58	1.97	30	19	0.85	4884	2	0.03	10	0.15	233	17	0.12	179	267	
118	9800N-11375W	5	1.0	5.77	78	1035	1.2	2	0.07	1.7	73	24	3	44	5.02	2.04	30	13	0.60	3654	1	0.03	7	0.16	43	14	0.11	171	115	

NORANDA VANCOUVER LABORATORY

Geochemical Analysis

293
Results

Project Name & No.: **KNIPPLECK-289**
 Material: 219 SOILS
 Remarks:

Geol.: B.F.
 Sheet: 1 of 8

Date rec'd: AUGUST 03
 Date compl: AUGUST 21

LAB CODE: **8008-018**

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 PB3000 ICP determined elemental contents.
 N.B. The major oxide elements and Ba, Be, Co, Ga, La, Li are rarely dissolved completely from geological materials with acid dissolution methods.

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T.T. No.	SAMPLE No.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Sr	Tl	V	Zn
		ppb	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm
2	9000N-9900W	50	0.2	6.33	88	1100	1.1	2	2.88	2.2	51	18	4	22	4.43	2.53	17	17	1.20	1492	1	0.03	6	0.10	24	79	0.13	168	100
3	9950	40	0.8	4.43	53	1033	1.0	2	1.12	1.9	54	18	3	27	4.88	2.25	20	16	1.10	1918	1	0.03	5	0.11	29	34	0.12	165	109
4	9975	10	0.8	4.72	15	965	1.0	2	0.47	2.2	52	19	3	26	6.33	2.35	21	16	1.13	2026	1	0.04	5	0.11	32	21	0.15	178	114
5	10025	6	0.8	4.66	9	1053	1.0	2	1.18	2.3	60	19	3	24	4.90	2.37	24	16	1.15	2767	1	0.03	5	0.11	30	35	0.15	171	112
6	9000N-10050W	5	1.0	5.53	17	1530	1.2	2	2.01	2.6	58	21	4	31	5.13	2.51	20	23	1.53	2457	1	0.03	6	0.11	33	51	0.16	203	138
7	9000N-10075W	5	0.8	5.12	12	1123	1.1	2	0.50	2.4	58	21	4	26	5.42	2.15	24	22	1.58	2475	1	0.03	6	0.12	29	24	0.21	189	131
8	10100	5	0.8	4.86	18	831	1.0	2	0.73	2.5	56	21	4	27	5.20	2.10	22	19	1.39	2425	1	0.02	6	0.12	29	25	0.19	185	131
9	10125	5	0.8	4.85	14	823	1.1	2	0.50	2.5	57	21	4	27	5.26	2.09	21	21	1.53	2766	1	0.03	6	0.12	28	21	0.20	190	138
10	10150	5	0.8	5.02	23	907	1.1	2	1.02	2.5	58	22	4	27	5.09	2.29	21	18	1.28	2612	1	0.02	6	0.11	27	25	0.16	190	124
11	9000N-10200W	15	0.8	4.85	43	786	1.0	2	1.35	2.0	56	20	4	27	4.88	1.88	21	20	1.37	2380	3	0.02	6	0.11	30	41	0.20	183	130
12	9000N-10225W	5	1.0	4.31	15	611	0.9	2	0.83	1.6	48	18	3	24	5.19	1.95	19	16	1.13	1921	2	0.02	5	0.11	28	27	0.18	173	117
13	10250	5	1.2	3.31	12	503	0.7	2	0.33	1.3	40	14	3	22	4.51	1.65	17	13	0.92	1703	1	0.02	4	0.10	26	17	0.17	149	102
14	10275	6	1.2	3.62	15	631	0.8	2	0.36	1.5	43	15	2	18	4.46	1.80	19	14	1.01	1871	1	0.02	4	0.11	25	18	0.16	149	106
15	10300	5	1.0	4.10	11	536	0.9	2	0.39	1.6	42	18	3	20	4.95	1.91	18	16	1.13	1778	1	0.02	5	0.11	25	21	0.19	166	111
16	9000N-10325W	5	1.2	4.17	14	574	0.9	2	0.38	1.6	47	17	3	22	4.95	1.95	21	16	1.14	2287	1	0.02	5	0.12	27	17	0.19	163	118
17	9000N-10375W	40	1.0	4.33	17	491	0.9	2	0.19	1.3	40	14	3	19	4.64	2.00	17	14	0.98	1504	1	0.02	4	0.12	27	11	0.15	164	114
18	10400	5	1.2	3.99	11	542	0.9	2	0.30	1.5	44	16	3	21	4.77	1.83	20	14	1.02	2080	1	0.03	5	0.11	21	17	0.16	162	117
19	10425	5	1.2	4.43	12	478	1.2	2	0.13	1.0	52	10	4	18	4.03	1.65	21	14	0.77	1176	1	0.03	4	0.11	24	9	0.14	142	105
20	10450	35	1.0	4.70	22	509	1.0	2	0.06	1.1	46	15	4	23	4.19	1.81	15	13	0.71	1913	1	0.02	5	0.12	30	12	0.11	146	124
21	9000N-10475W	10	5.0	4.75	9	456	1.0	2	0.08	1.0	54	11	7	25	3.89	1.56	22	14	0.59	1126	2	0.04	5	0.15	41	14	0.15	140	112
22	9000N-10500W	5	2.2	4.84	9	494	1.0	2	0.17	1.3	47	14	4	27	4.63	1.68	20	15	0.91	1947	1	0.02	5	0.13	30	14	0.16	164	123
23	10550	5	1.4	4.89	7	555	1.0	2	0.17	1.6	45	16	3	23	4.92	2.12	19	16	1.04	2228	1	0.02	5	0.13	27	12	0.16	175	125
24	10575	5	0.8	4.65	5	523	0.8	2	0.15	1.2	29	11	5	15	4.61	1.81	13	10	0.88	1695	1	0.02	4	0.21	23	12	0.14	168	108
25	10600	5	1.6	4.54	6	483	0.8	2	0.07	1.4	29	11	4	15	4.77	1.71	13	8	0.56	1677	1	0.02	4	0.23	19	10	0.14	152	91
26	9000N-10625W	5	1.2	5.09	12	452	0.8	2	0.07	1.0	27	8	4	12	4.31	1.79	13	13	0.64	681	1	0.02	3	0.19	16	10	0.15	162	89
27	9000N-10650W	5	1.2	4.59	23	581	1.0	2	0.12	1.4	41	14	4	20	4.62	1.82	16	13	0.73	1703	1	0.02	5	0.18	24	16	0.14	146	101
28	10675	5	0.8	5.72	5	656	1.3	2	2.80	2.0	69	15	4	32	4.59	1.34	17	15	0.96	2150	1	0.03	5	0.10	30	1366	0.19	189	96
29	10700	10	1.2	5.14	9	606	1.1	2	0.12	1.7	66	17	4	25	4.80	1.83	24	12	0.91	3386	1	0.02	4	0.16	27	48	0.14	172	119
30	10725	5	0.4	5.23	2	783	1.2	2	0.08	1.4	51	16	4	26	4.48	2.13	20	15	1.12	2122	1	0.02	5	0.09	17	10	0.11	182	107
31	9000N-10750W	5	1.2	5.86	10	674	1.1	2	0.06	1.4	59	17	5	25	4.72	2.17	20	17	1.05	1890	1	0.02	6	0.11	24	17	0.11	177	107
32	9000N-10775W	5	1.0	5.25	5	597	0.9	2	0.09	1.2	31	13	5	15	4.39	1.85	15	12	0.78	1812	1	0.02	4	0.21	19	22	0.12	163	99
33	10800	5	0.8	5.11	8	767	1.1	2	0.18	1.3	44	15	3	22	4.42	1.97	17	14	0.91	2113	1	0.02	5	0.16	25	14	0.12	165	114
34	10825	5	1.0	5.26	38	713	1.1	2	0.13	1.4	51	16	4	18	4.60	1.90	19	16	0.90	2329	1	0.02	5	0.15	25	11	0.15	165	95
35	10875	5	1.4	5.15	25	566	1.0	2	0.14	1.4	52	17	4	26	4.69	1.77	20	16	0.79	1390	1	0.02	6	0.19	32	16	0.16	145	100
36	9000N-10900W	5	1.0	4.62	19	582	0.9	2	0.18	1.2	45	13	4	18	4.22	1.68	19	12	0.73	769	1	0.02	5	0.20	31	19	0.19	155	91

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T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bl 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	Pg. 2 of 8
37	9000N-10925W	5	1.2	4.79	19	921	1.2	2	0.33	1.8	52	16	4	28	4.14	1.83	23	14	0.68	1833	1	0.04	8	0.21	35	29	0.16	133	94	
38	9000N-11175W	5	0.4	4.44	10	1355	1.0	2	2.12	2.3	58	14	3	24	4.19	1.88	20	18	1.10	1034	1	0.04	5	0.11	38	65	0.15	138	147	
39	9100N-9975W	5	0.8	4.11	17	785	0.9	2	2.33	1.8	58	17	4	23	4.67	1.59	17	17	1.18	1738	1	0.03	5	0.11	20	50	0.19	179	119	
40	10000	90	8.0	4.15	28	753	0.9	2	1.34	2.1	54	18	3	35	4.62	1.88	18	18	1.13	2077	1	0.02	5	0.11	65	28	0.18	167	157	
41	9100N-10025W	5	1.4	5.28	3	918	1.0	2	0.52	1.9	58	20	4	33	4.94	2.08	24	20	1.22	2894	1	0.02	5	0.11	33	20	0.17	191	144	
42	9100N-10050W	5	0.8	4.48	2	688	0.9	2	0.43	1.6	51	16	3	24	5.02	1.91	21	17	1.19	2490	1	0.02	4	0.12	20	17	0.25	169	116	
43	10075	10	0.8	4.96	2	788	1.0	2	1.42	1.6	53	16	3	24	4.88	2.31	18	17	1.07	1760	1	0.03	4	0.11	20	31	0.15	175	117	
44	10100	10	1.4	4.41	8	837	0.9	2	0.41	2.0	49	17	3	29	5.42	1.99	21	15	1.00	2470	1	0.02	4	0.11	27	22	0.18	178	126	
45	10125	25	3.4	4.70	5	728	1.0	2	0.31	2.0	47	18	3	34	5.13	2.30	20	18	1.08	2394	1	0.03	4	0.11	50	19	0.14	187	145	
46	9100N-10150W	15	3.0	4.70	2	688	1.0	2	0.39	1.7	42	16	2	24	4.78	2.29	17	17	1.09	1892	1	0.02	4	0.11	27	20	0.13	166	128	
47	9100N-10175W	10	1.0	4.14	2	604	0.9	2	0.30	1.2	43	14	3	18	4.84	1.98	19	14	1.00	1790	1	0.02	3	0.10	18	17	0.13	159	110	
48	10200	15	1.6	4.49	20	799	1.1	2	0.16	1.3	41	12	5	33	4.51	1.73	16	10	0.63	2024	1	0.02	4	0.27	28	12	0.11	160	111	
49	10225	5	0.8	3.10	17	544	1.0	2	0.12	1.4	35	9	6	21	4.42	1.17	15	7	0.37	1380	1	0.03	3	0.31	23	10	0.12	118	86	
51	10250	10	1.0	4.48	18	499	1.1	2	0.08	1.1	41	14	5	21	4.38	1.47	17	12	0.81	1968	3	0.02	5	0.26	22	8	0.12	132	98	
52	9100N-10275W	5	0.4	3.98	16	409	0.8	2	0.08	1.0	34	10	5	17	4.67	1.32	14	8	0.49	3032	2	0.03	4	0.34	25	9	0.15	138	83	
53	9100N-10300W	20	2.0	4.94	20	533	1.2	2	0.06	1.1	63	16	4	33	4.53	1.80	21	13	0.88	2882	1	0.02	5	0.15	28	7	0.14	155	99	
54	10325	10	1.2	5.37	14	485	1.1	2	0.69	1.3	57	15	4	25	4.77	1.79	18	17	1.09	2122	2	0.03	5	0.16	26	240	0.23	194	120	
55	10425	10	1.6	4.76	11	519	1.0	2	0.07	0.9	49	13	4	19	4.29	1.72	19	13	0.72	1645	1	0.03	5	0.16	27	12	0.14	145	116	
56	10450	5	1.2	4.13	14	378	0.8	2	0.12	0.6	42	9	6	15	3.71	1.33	18	12	0.58	918	2	0.06	5	0.16	26	18	0.17	128	88	
57	9100N-10475W	5	1.8	4.80	25	347	1.2	2	0.07	1.0	70	11	4	25	4.45	1.48	23	12	0.49	1651	2	0.06	4	0.19	34	11	0.13	119	158	
58	9100N-10525W	15	2.0	4.43	28	453	1.1	2	0.07	1.0	69	19	4	40	4.67	1.65	18	15	0.62	2730	2	0.04	6	0.22	36	12	0.11	149	133	
59	10550	10	1.0	3.50	14	227	1.3	2	0.08	0.7	73	8	8	20	4.05	0.74	24	10	0.29	1119	2	0.11	5	0.19	27	9	0.14	68	105	
60	10575	5	1.8	4.05	15	476	1.0	2	0.08	0.7	49	12	5	17	3.61	1.53	18	11	0.57	2360	1	0.03	4	0.16	26	10	0.10	129	113	
61	10800	5	1.2	4.05	19	961	1.1	2	0.22	0.9	37	12	4	17	3.69	1.53	18	11	0.50	1798	2	0.02	5	0.22	26	20	0.09	106	95	
62	9100N-10625W	5	1.2	4.04	20	593	0.9	2	0.05	0.5	34	9	3	16	3.90	1.63	15	10	0.48	941	1	0.02	4	0.17	22	10	0.09	111	71	
63	9100N-10650W	5	2.8	4.69	19	698	1.1	2	0.05	0.5	51	12	3	23	4.11	1.80	19	14	0.60	1451	1	0.02	4	0.13	28	11	0.10	112	89	
64	10675	5	1.2	4.77	14	653	1.1	2	0.06	0.9	42	13	3	18	4.31	1.74	19	12	0.67	1910	1	0.02	4	0.21	29	12	0.11	121	94	
65	10700	5	2.2	3.62	2	837	0.7	2	0.21	0.5	30	16	3	11	2.99	1.57	13	6	0.38	4017	1	0.03	3	0.27	17	18	0.13	122	83	
66	10725	80	1.0	4.73	12	616	1.1	2	0.11	0.9	47	11	4	17	4.08	1.73	19	14	0.68	1536	1	0.03	4	0.17	22	14	0.15	132	94	
67	9100N-10750W	30	2.4	5.47	7	896	1.2	2	0.23	0.9	44	15	4	18	4.39	2.16	17	15	0.78	2553	1	0.03	5	0.25	34	20	0.15	144	98	
68	9100N-10775W	5	1.4	7.34	49	1055	1.3	2	0.09	1.0	35	45	2	45	4.44	3.35	15	14	0.77	1190	1	0.02	7	0.11	22	8	0.12	221	107	
69	10800	5	2.8	4.45	18	701	1.1	2	0.09	0.8	50	13	4	21	3.91	1.67	16	14	0.58	1900	1	0.02	4	0.16	31	11	0.10	115	95	
70	10825	5	0.2	4.15	8	1142	0.9	2	0.33	0.9	46	13	5	17	4.11	1.61	18	13	0.47	2592	1	0.03	4	0.14	32	25	0.13	118	88	
71	10850	5	0.8	5.43	16	689	1.1	2	0.06	0.9	35	12	4	18	4.29	1.93	17	13	0.63	1528	1	0.02	4	0.19	28	10	0.12	143	82	
72	9100N-10875W	25	0.4	7.69	19	1202	1.4	2	0.16	1.4	58	28	3	32	5.48	2.70	20	19	1.15	2847	1	0.03	6	0.12	29	10	0.19	234	109	
73	9100N-10900W	5	0.8	5.67	16	1007	1.2	2	0.17	1.0	53	15	3	23	4.54	2.37	23	15	0.88	2128	1	0.03	5	0.13	31	14	0.13	152	114	
74	10925	5	1.0	5.38	19	1108	1.1	2	0.36	0.9	53	14	3	20	4.23	2.27	22	15	0.83	2047	1	0.03	5	0.16	25	20	0.12	145	110	
75	10950	5	0.2	5.32	10	977	1.0	2	0.76	1.3	46	15	4	35	4.11	2.14	16	15	0.92	2094	1	0.03	5	0.18	29	29	0.21	181	100	
76	10975	5	0.2	5.19	28	1001	1.1	2	0.18	1.2	45	17	3	20	4.51	2.13	18	13	0.73	2571	1	0.02	5	0.27	25	16	0.15	184	101	
77	9100N-11025W	5	0.8	6.48	12	1242	1.4	2	0.40	1.3	59	15	4	42	4.30	2.72	25	17	0.91	1823	2	0.04	6	0.15	47	29	0.15	149	111	
78	9100N-11100W	10	0.4	5.89	19	1103	1.3	2	0.37	1.5	57	17	4	34	4.77	2.28	25	19	1.13	1661	1	0.03	7	0.13	36	23	0.22	173	110	
79	11150	5	0.8	3.54	13	815	0.9	2	0.43	1.2	39	12	3	19	3.94	1.48	16	11	0.72	825	1	0.02	4	0.09	34	22	0.13	126	120	
80	9200N-10250W	5	0.6	4.28	9	1280	0.9	2	1.18	1.8	51	14	3	23	3.98	1.90	18	14	0.89	1012	1	0.03	4	0.11	42	41	0.13	128	156	
81	9200N-10250W	5	1.2	5.24	12	832	1.1	2	0.11	1.1	54	14	5	26	4.27	1.83	22	15	0.89	1540	1	0.02	5	0.16	20	8	0.19	183	96	

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	Pg. 3 of 8
82	9200N-10275W	5	0.4	5.02	42	416	1.0	2	0.06	1.6	46	15	5	25	5.17	1.39	20	12	0.78	1739	1	0.02	5	0.19	25	8	0.13	158	127	
83	9200N-10300W	5	0.2	5.64	14	571	1.1	2	0.11	1.3	43	18	5	21	4.85	1.93	17	14	0.94	3038	1	0.03	7	0.21	30	14	0.18	190	118	
84	10325	5	0.4	5.30	8	570	0.9	2	0.11	0.9	32	13	5	16	3.98	1.86	15	11	0.74	2242	1	0.03	5	0.19	23	12	0.18	190	88	
85	10350	5	0.8	4.24	13	505	1.0	2	0.04	1.3	42	18	4	30	4.76	1.53	17	15	1.17	3258	1	0.01	4	0.13	25	8	0.10	193	193	
86	10375	5	2.8	4.90	50	513	1.3	2	0.04	1.3	59	21	7	34	4.48	1.54	21	13	0.54	3841	1	0.02	6	0.19	34	7	0.09	138	114	
87	9200N-10400W	5	1.2	5.25	35	476	1.2	2	0.04	1.5	61	17	7	29	4.76	1.63	22	12	0.53	2952	1	0.02	7	0.19	33	8	0.09	138	117	
88	9200N-10425W	5	0.6	3.77	13	350	0.9	2	0.10	0.8	41	7	11	11	3.79	1.08	18	9	0.37	1082	1	0.05	5	0.27	18	12	0.18	101	73	
89	10450	5	0.2	4.84	11	551	1.0	2	0.07	0.8	43	8	7	16	3.78	1.59	20	13	0.65	585	1	0.03	4	0.14	22	11	0.12	133	73	
90	10475	5	0.8	4.00	20	642	1.0	2	0.10	1.1	42	13	5	16	4.15	1.53	15	11	0.51	2074	1	0.02	4	0.25	25	10	0.08	108	103	
91	10500	5	0.2	3.66	10	934	1.1	2	0.24	1.3	38	14	5	16	4.13	1.44	17	7	0.33	2792	1	0.02	5	0.32	21	21	0.11	112	106	
92	9200N-10525W	5	0.8	3.64	13	329	0.9	2	0.05	1.0	53	6	6	13	4.64	0.86	24	11	0.33	840	3	0.06	4	0.22	18	9	0.14	78	90	
93	9200N-10550W	10	0.6	4.08	2	505	0.7	2	0.11	0.9	34	7	7	16	4.14	1.31	17	11	0.45	1753	2	0.03	5	0.28	18	15	0.16	136	95	
94	10575	5	0.2	3.85	13	680	0.9	2	0.12	1.1	33	8	4	16	4.50	1.42	15	8	0.42	1124	1	0.02	3	0.30	15	14	0.11	120	85	
95	10600	5	0.6	3.96	8	589	0.8	2	0.10	1.1	36	12	5	16	4.19	1.33	15	9	0.39	2067	1	0.02	4	0.22	21	13	0.12	116	82	
96	10625	5	1.0	3.66	11	485	0.7	2	0.08	0.9	35	7	5	14	4.54	1.06	16	9	0.36	1475	1	0.03	4	0.28	20	14	0.13	96	84	
97	9200N-10650W	5	0.4	4.66	11	597	0.9	2	0.07	0.9	38	14	7	15	4.08	1.66	16	15	0.64	3055	1	0.03	5	0.17	22	17	0.15	149	83	
98	9200N-10675W	5	0.4	4.02	15	691	0.9	2	0.16	1.1	34	13	4	17	4.12	1.76	14	12	0.61	1806	1	0.02	4	0.20	25	15	0.12	138	89	
99	10700	5	1.0	4.06	10	642	0.8	2	0.07	0.8	29	9	4	13	3.73	1.59	14	9	0.42	1340	1	0.02	3	0.22	18	11	0.10	118	70	
101	10725	5	0.6	4.81	11	605	1.0	2	0.07	0.8	36	13	4	16	3.80	1.61	16	13	0.61	1869	1	0.02	5	0.17	21	13	0.12	134	100	
102	10775	5	0.4	4.67	6	570	0.8	2	0.10	0.7	33	13	4	14	3.88	1.82	15	12	0.64	1952	1	0.03	4	0.24	20	15	0.15	136	69	
103	9200N-10800W	5	1.0	4.35	9	592	0.9	2	0.10	0.9	36	11	4	14	4.19	1.59	15	12	0.63	1597	1	0.02	4	0.23	19	14	0.15	128	87	
104	9200N-10825W	5	0.6	4.39	14	542	0.8	2	0.13	0.8	35	13	4	14	3.92	1.71	15	11	0.67	1617	1	0.02	4	0.27	21	21	0.17	142	86	
105	10850	10	0.6	4.81	7	540	0.8	2	0.12	0.8	37	11	4	15	4.13	1.73	16	14	0.80	1293	1	0.03	4	0.21	22	15	0.18	139	101	
106	10875	5	0.6	4.13	8	758	0.8	2	0.17	0.6	31	9	4	12	3.74	1.45	13	10	0.49	1357	1	0.03	3	0.29	16	17	0.13	125	99	
107	10900	5	1.0	4.49	16	507	1.0	2	0.11	0.7	48	12	4	19	4.18	1.48	18	16	0.74	1244	1	0.02	4	0.15	22	12	0.16	122	84	
108	9200N-10925W	5	0.4	4.41	11	617	0.9	2	0.14	1.0	33	10	5	16	4.51	1.78	14	11	0.63	1267	1	0.02	3	0.20	21	16	0.18	144	80	
109	9200N-10950W	5	0.3	5.82	2	1234	1.2	2	0.57	1.4	64	16	7	36	4.18	1.94	20	19	1.25	3132	1	0.04	6	0.16	22	26	0.21	167	122	
110	10975	5	0.2	4.93	6	966	0.9	2	0.32	1.1	37	14	7	29	3.98	1.70	13	15	0.84	2377	1	0.03	4	0.18	28	18	0.18	160	94	
111	11000	5	0.2	6.35	16	1255	1.3	2	0.40	1.4	53	18	6	38	4.70	2.28	22	21	1.27	2143	2	0.03	6	0.17	31	19	0.25	201	115	
112	11025	5	0.4	7.01	7	1096	1.3	2	0.49	1.4	47	19	6	44	4.76	2.45	14	23	1.39	1803	1	0.03	7	0.14	41	21	0.25	211	107	
113	9200N-11050W	5	0.4	6.35	3	903	1.2	2	0.42	1.6	45	18	5	37	4.83	2.26	16	21	1.46	2628	1	0.04	7	0.19	29	18	0.28	202	136	
114	9200N-11075W	5	0.6	5.72	4	1146	1.4	2	0.37	1.2	59	14	3	33	3.97	2.70	28	14	0.76	1354	1	0.03	5	0.10	40	23	0.10	125	107	
115	9300N-9975W	10	1.0	4.77	25	497	1.2	2	0.11	1.5	79	17	5	31	5.28	1.67	24	14	0.84	3298	1	0.03	7	0.14	29	13	0.16	165	125	
116	10000	20	0.4	3.99	17	329	0.7	2	0.06	1.4	34	11	9	17	5.20	1.17	14	10	0.46	2307	1	0.03	4	0.25	22	11	0.18	140	88	
117	10025	5	0.6	3.88	15	692	0.9	2	0.26	1.3	47	10	9	15	4.49	1.27	15	16	0.52	1927	1	0.03	6	0.27	20	19	0.17	140	83	
118	9300N-10050W	5	0.4	3.07	11	758	0.7	2	0.41	1.1	42	10	10	14	3.38	1.14	15	8	0.42	2748	1	0.03	5	0.32	18	23	0.14	123	87	
119	9300N-10075W	5	0.6	3.36	13	1431	0.9	2	0.37	1.9	45	28	11	18	4.47	1.22	15	9	0.45	8795	1	0.02	6	0.39	27	23	0.16	154	105	
120	10200	5	0.2	4.20	23	450	1.1	2	0.08	1.6	40	11	8	15	4.62	1.29	15	11	0.56	2098	1	0.03	4	0.28	25	10	0.14	142	100	
121	10225	5	0.4	3.57	13	759	1.1	2	0.40	2.1	45	13	8	18	3.80	1.27	15	11	0.51	2624	2	0.03	4	0.20	22	20	0.12	134	126	
122	10250	5	0.8	4.55	7	493	1.0	2	0.06	1.0	37	10	6	17	4.05	1.55	16	12	0.67	1584	1	0.03	4	0.18	21	9	0.13	155	92	
123	9300N-10300W	5	0.6	5.01	13	525	0.9	2	0.07	1.1	44	15	5	22	4.20	1.83	16	12	0.88	2136	1	0.02	4	0.14	21	9	0.14	179	90	
124	9300N-10350W	5	0.6	4.71	25	416	0.9	2	0.06	1.1	39	11	7	20	4.13	1.40	18	10	0.61	1106	1	0.02	4	0.21	25	9	0.12	144	95	
125	9300N-10375W	15	0.8	4.59	53	393	1.1	2	0.07	1.3	78	13	7	21	4.78	1.33	23	12	0.56	2686	1	0.03	5	0.30	34	9	0.11	139	124	

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	Pg. 4 of 6
126	9300N-10425W	5	2.0	4.87	77	337	1.3	2	0.05	1.6	71	14	6	44	4.22	1.34	24	12	0.39	2585	1	0.03	6	0.21	40	14	0.10	130	124	
127	10550	5	0.2	4.34	8	502	0.7	2	0.04	1.0	30	9	4	16	4.37	1.22	14	8	0.46	1356	1	0.02	3	0.25	18	9	0.10	122	68	
128	9300N-10575W	60	0.2	4.44	7	509	0.8	2	0.03	1.3	29	8	4	14	4.58	1.04	15	8	0.46	721	1	0.01	3	0.28	17	7	0.09	113	69	
129	9300N-10800W	5	0.6	4.46	2	540	0.8	2	0.05	0.3	33	5	6	11	2.66	1.23	15	10	0.42	438	1	0.02	3	0.27	15	12	0.10	117	58	
130	10675	5	0.6	3.90	5	243	0.9	2	0.08	0.7	44	4	9	13	3.81	0.63	21	10	0.25	266	1	0.05	3	0.20	21	9	0.13	87	85	
131	10700	5	1.0	4.49	9	563	0.9	2	0.04	0.5	31	9	6	16	3.32	1.53	18	11	0.46	1114	1	0.02	4	0.21	23	11	0.09	119	65	
132	10725	5	0.8	4.57	8	563	0.8	2	0.04	0.4	32	9	6	16	3.54	1.53	15	12	0.50	1401	1	0.02	4	0.21	25	11	0.09	118	74	
133	9300N-10750W	25	0.8	4.49	13	550	0.9	2	0.05	0.4	43	15	5	19	3.59	1.49	17	12	0.53	1694	1	0.02	4	0.16	25	11	0.10	118	69	
134	9300N-10775W	5	0.8	4.25	17	485	0.8	2	0.04	0.6	40	12	4	18	3.84	1.29	16	12	0.50	2541	1	0.02	4	0.18	25	11	0.10	111	71	
135	10800	5	0.6	3.80	4	481	0.7	2	0.10	0.3	30	6	7	13	3.22	1.37	15	8	0.41	1554	1	0.03	4	0.18	18	19	0.14	122	59	
136	10825	5	0.2	4.17	11	260	0.6	2	0.07	0.2	30	4	6	11	3.40	0.55	14	11	0.39	262	1	0.02	3	0.16	18	10	0.13	83	58	
137	10850	5	0.2	3.78	11	399	0.6	2	0.09	0.6	32	6	7	12	3.85	1.05	15	7	0.36	1637	2	0.03	4	0.32	20	17	0.18	114	58	
138	9300N-10875W	5	0.4	3.28	12	349	0.7	2	0.14	0.3	37	6	5	12	3.69	0.91	16	10	0.42	776	1	0.04	4	0.26	21	14	0.14	91	74	
139	9300N-10900W	5	0.6	3.45	8	334	0.6	2	0.08	0.5	30	5	7	11	3.89	0.88	14	6	0.33	690	1	0.03	3	0.25	16	15	0.16	105	55	
140	10925	5	0.8	4.64	16	563	0.9	2	0.14	0.7	37	11	5	18	4.03	1.72	16	13	0.80	1371	1	0.03	5	0.17	24	20	0.18	143	92	
141	10950	5	0.6	3.92	14	380	0.8	2	0.06	0.5	32	6	9	15	3.93	1.10	16	8	0.40	498	1	0.02	4	0.25	17	14	0.14	108	55	
142	10975	5	0.4	3.35	19	593	0.8	2	0.42	1.0	36	11	8	14	3.68	1.40	14	9	0.38	2431	4	0.03	5	0.30	25	30	0.13	113	119	
143	9300N-11000W	5	0.6	5.06	35	868	1.0	2	0.25	1.0	44	15	7	21	4.29	1.81	17	15	0.79	2775	1	0.03	6	0.21	32	20	0.18	157	93	
144	9300N-11025W	5	0.8	3.90	12	1200	0.9	2	0.40	2.0	37	12	5	17	4.15	1.49	13	9	0.51	2170	1	0.02	4	0.33	43	26	0.13	141	129	
145	11050	10	1.0	4.16	16	1063	0.9	2	0.33	2.0	36	11	6	16	4.50	1.55	14	9	0.54	1938	1	0.02	5	0.35	43	25	0.14	149	125	
146	11075	5	3.2	4.38	21	864	0.9	2	0.32	1.9	41	13	5	19	4.45	1.53	16	12	0.63	2461	1	0.02	5	0.28	60	23	0.15	148	147	
147	11100	5	1.2	5.28	19	1112	1.3	2	0.31	1.3	61	15	3	37	4.04	2.22	29	14	0.73	1795	2	0.03	6	0.10	49	25	0.10	125	102	
148	9300N-11125W	10	1.4	4.26	24	705	1.0	2	0.31	1.4	51	15	4	23	4.78	1.77	22	14	0.82	1534	1	0.03	5	0.11	34	27	0.17	151	103	
149	9300N-11150W	15	2.2	4.85	18	877	1.2	2	0.29	1.3	62	15	3	32	4.29	1.78	29	13	0.71	1830	1	0.03	6	0.11	48	23	0.12	127	105	
152	9400N-9900W	20	2.0	4.63	16	755	1.1	2	0.13	1.0	47	19	5	50	5.25	2.01	20	12	0.74	3738	1	0.02	5	0.11	23	14	0.08	174	130	
153	9950	5	1.8	5.04	31	957	1.1	2	0.25	1.2	62	16	7	23	5.03	1.78	28	13	0.74	3462	2	0.02	5	0.20	24	18	0.12	182	137	
154	9975	10	0.8	4.83	28	644	1.0	2	0.09	1.3	52	17	6	26	5.37	1.69	17	14	0.80	4093	2	0.02	6	0.19	23	13	0.14	179	129	
155	9400N-10075W	10	0.8	4.94	4	544	1.4	2	0.17	1.1	78	17	7	36	4.70	1.52	29	16	1.03	1451	1	0.05	9	0.10	24	14	0.19	161	143	
156	9400N-10175W	10	0.6	5.58	14	658	1.3	2	0.13	1.2	59	17	5	33	5.08	1.72	23	15	1.05	2545	1	0.03	8	0.13	28	14	0.17	180	119	
157	10200	10	0.2	4.98	7	669	1.3	2	0.13	0.7	65	14	6	29	4.28	1.52	19	15	0.90	1566	1	0.03	6	0.15	21	11	0.13	152	99	
158	10300	5	0.2	4.44	13	501	1.2	2	0.12	0.9	47	12	7	25	4.48	1.25	20	14	0.73	1674	1	0.05	6	0.16	21	13	0.17	142	86	
159	10350	25	0.2	4.91	14	548	1.4	2	0.11	1.0	72	16	6	34	4.78	1.74	26	14	0.92	2496	1	0.04	7	0.14	25	12	0.15	153	112	
160	9400N-10375W	5	0.2	5.20	12	558	1.3	2	0.04	0.9	65	16	7	23	4.57	1.63	22	16	0.77	1782	1	0.02	5	0.14	18	8	0.09	139	110	
161	9400N-10400W	5	0.2	4.58	16	482	1.3	2	0.07	0.8	65	14	8	26	4.29	1.52	21	14	0.72	1679	2	0.03	6	0.17	24	14	0.12	138	97	
162	10425	10	0.4	4.08	14	460	1.2	2	0.12	0.8	62	15	4	31	4.45	1.32	20	12	0.86	1665	1	0.04	7	0.09	24	13	0.13	129	102	
163	10450	5	0.2	4.64	15	609	1.5	2	0.06	0.6	62	12	4	19	3.81	1.47	24	14	0.63	1124	1	0.03	5	0.11	18	10	0.10	116	85	
164	10475	5	0.2	4.61	13	554	0.8	2	0.05	0.5	33	12	3	18	3.96	1.44	14	11	0.58	1403	1	0.02	4	0.23	18	8	0.09	124	79	
165	9400N-10500W	5	0.2	5.79	11	663	1.6	2	0.25	1.2	70	17	5	35	4.57	2.00	23	14	0.82	3136	1	0.02	6	0.26	18	14	0.10	149	107	
166	9400N-10525W	5	0.2	5.74	18	648	0.9	2	0.04	1.2	37	14	4	17	4.93	1.68	17	13	0.53	1446	2	0.02	5	0.21	19	12	0.11	134	82	
167	10550	30	0.6	4.27	16	519	1.8	2	0.09	1.0	89	12	3	24	4.50	1.27	26	13	0.52	1372	2	0.06	5	0.11	21	10	0.10	96	115	
168	10625	5	0.4	5.05	10	692	1.0	2	0.07	0.8	48	12	4	19	4.07	1.51	19	12	0.63	1362	1	0.02	4	0.19	20	10	0.09	131	81	
169	10650	5	0.2	4.61	3	723	0.7	2	0.05	0.3	30	9	5	10	2.98	1.81	14	7	0.42	1387	1	0.02	3	0.22	16	10	0.09	128	57	
170	9400N-10675W	5	0.2	4.38	20	526	0.8	2	0.06	0.9	39	15	10	13	4.28	1.21	18	11	0.40	2287	2	0.03	4	0.34	15	10	0.12	116	67	
171	9400N-10700W	5	0.4	4.57	6	283	1.2	2	0.05	0.5	51	6	9	17	4.04	0.78	26	12	0.32	675	3	0.05	4	0.19	15	9	0.11	76	70	

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	Pg. 5 of 8
172	9400N-10750W	5	0.2	4.85	10	476	1.0	2	0.08	0.5	50	9	7	16	4.09	1.32	24	12	0.50	1535	1	0.04	5	0.17	17	13	0.16	117	75	
173	10800	20	0.8	4.75	8	437	0.8	2	0.08	0.2	42	4	9	13	2.93	1.25	21	12	0.41	324	1	0.05	4	0.14	19	16	0.19	114	57	
174	10825	5	1.4	4.88	21	651	1.1	2	0.11	0.9	55	14	4	33	4.41	1.77	21	15	0.63	1664	1	0.03	6	0.12	41	16	0.12	123	108	
175	9400N-10850W	5	1.2	4.78	18	602	1.2	2	0.10	0.8	57	13	4	28	4.40	1.64	21	15	0.71	1598	1	0.04	7	0.12	25	16	0.13	124	107	
176	9400N-10875W	5	1.0	4.78	15	539	1.1	2	0.08	0.5	53	10	5	23	3.74	1.40	22	14	0.85	1014	1	0.03	8	0.15	28	14	0.13	122	88	
177	10900	5	0.6	3.67	2	424	0.6	2	0.07	0.2	31	4	7	9	2.10	1.09	18	8	0.34	396	1	0.02	3	0.11	17	17	0.13	107	41	
178	10925	5	0.6	4.37	20	570	1.0	2	0.15	0.7	48	12	4	25	4.10	1.57	20	13	0.67	1404	1	0.03	5	0.11	29	16	0.12	120	66	
179	10950	5	0.6	4.44	28	624	1.0	2	0.23	1.2	52	14	5	24	4.90	1.74	21	13	0.78	1688	1	0.02	6	0.12	31	24	0.16	144	94	
180	9400N-10975W	10	2.0	3.88	25	753	1.0	2	0.37	1.0	54	13	5	24	4.41	1.68	23	12	0.69	1577	1	0.02	5	0.12	34	26	0.15	127	90	
181	9400N-11000W	30	0.6	4.31	22	688	1.2	2	0.29	1.5	55	15	5	28	4.40	1.68	23	14	0.82	1759	1	0.03	7	0.12	32	32	0.19	140	96	
182	11025	5	0.4	5.82	18	1630	1.5	2	0.34	1.7	94	27	3	52	5.39	2.65	48	9	0.50	5025	2	0.03	9	0.13	36	38	0.07	121	118	
183	11050	5	0.4	6.30	27	1296	1.9	2	0.34	1.7	114	22	6	93	4.57	2.33	64	21	1.46	3949	1	0.03	11	0.14	36	38	0.16	149	120	
184	11075	5	0.2	3.88	26	688	1.2	2	0.24	1.3	88	19	9	38	4.80	1.17	54	23	0.69	2314	1	0.02	10	0.13	21	22	0.07	112	109	
185	9400N-11125W	5	0.2	7.51	57	1291	1.8	2	0.18	1.6	80	18	7	44	5.01	2.71	33	30	1.22	2488	2	0.03	9	0.20	38	55	0.17	176	116	
186	9400N-11150W	5	0.6	7.16	38	1127	1.3	3	0.26	1.8	71	20	4	26	5.20	3.35	31	13	1.14	2174	2	0.04	7	0.14	38	27	0.25	210	100	
187	11175	5	0.6	6.04	21	1526	1.5	2	0.32	1.5	57	14	2	47	3.68	2.51	28	15	0.74	1215	2	0.03	5	0.10	47	35	0.08	112	99	
188	11200	5	0.4	5.17	17	1000	1.4	2	0.27	1.2	52	12	3	34	3.57	2.49	24	13	0.71	895	1	0.02	5	0.11	31	28	0.07	101	85	
189	11225	5	0.2	5.04	17	1051	1.3	2	0.30	1.1	59	14	5	36	3.79	2.34	27	13	0.75	1395	2	0.02	6	0.12	36	23	0.07	113	91	
190	9400N-11250W	5	0.4	5.48	19	1226	1.4	2	0.30	1.5	57	14	4	38	3.97	2.45	27	13	0.73	1234	2	0.03	6	0.10	41	22	0.07	113	85	
191	9800N-10000W	5	1.2	5.31	19	718	1.3	2	0.07	1.6	51	17	4	30	5.39	1.81	18	13	0.61	4295	3	0.02	6	0.15	43	14	0.13	171	143	
192	10100	10	1.2	4.47	47	841	1.2	2	0.19	1.4	57	19	5	27	5.51	1.78	26	16	1.04	3450	2	0.03	10	0.11	22	20	0.13	167	143	
193	10125	250	11.8	4.81	122	1572	1.3	3	0.30	5.5	61	28	5	62	5.60	1.64	37	19	1.28	7987	3	0.02	9	0.13	229	18	0.11	198	440	
194	10150	5	0.8	4.03	19	526	0.7	2	0.12	1.2	30	10	5	18	4.55	1.41	12	12	0.71	1744	1	0.02	4	0.12	16	8	0.16	177	91	
195	9800N-10200W	5	0.2	5.83	13	1061	1.2	2	0.58	1.5	55	17	4	23	4.93	2.59	24	14	1.40	1415	1	0.04	8	0.09	16	18	0.44	188	110	
196	9800N-10250W	5	0.2	2.83	5	1259	0.8	2	1.30	1.3	47	11	7	17	2.79	0.94	15	9	0.57	2458	1	0.03	6	0.22	11	46	0.13	104	87	
197	10275	5	0.2	5.03	9	911	1.1	3	0.27	1.6	41	18	7	18	5.22	1.76	14	16	1.06	2934	1	0.02	7	0.21	17	12	0.23	197	129	
198	10300	20	0.2	5.57	17	780	1.4	2	0.09	1.6	88	20	6	36	5.16	1.75	25	16	1.13	2621	2	0.02	8	0.11	29	8	0.15	184	107	
199	10325	5	0.2	5.61	33	776	1.7	2	0.11	1.5	120	23	9	32	5.27	1.80	33	16	1.06	3583	2	0.03	10	0.17	24	9	0.15	178	106	
201	9800N-10350W	5	0.2	4.40	12	546	2.0	2	0.12	1.1	118	11	6	19	4.45	0.91	36	13	0.53	1621	2	0.09	6	0.12	22	9	0.14	94	115	
202	9800N-10375W	5	0.2	5.07	11	968	1.5	2	0.12	1.0	59	9	4	23	4.29	1.42	27	12	0.56	1345	2	0.04	5	0.15	39	16	0.13	108	108	
203	10500	5	0.2	3.91	8	599	1.0	2	0.15	1.0	32	12	4	20	4.29	1.47	14	9	0.63	1787	1	0.02	4	0.29	20	13	0.13	137	74	
204	10525	5	0.2	4.74	12	1029	1.3	2	0.31	1.5	53	17	7	24	5.05	1.45	17	19	1.14	4473	2	0.02	7	0.22	23	17	0.13	170	85	
205	10550	5	0.2	3.77	11	899	1.0	2	0.25	1.1	41	14	6	20	4.02	1.21	14	11	0.60	2608	1	0.02	4	0.29	20	15	0.09	119	92	
206	9800N-10575W	5	0.2	4.61	16	449	0.9	2	0.04	1.0	35	8	7	16	4.46	1.19	16	13	0.47	1048	2	0.03	4	0.23	18	9	0.10	114	68	
207	9800N-10600W	5	0.2	5.38	10	631	1.1	2	0.08	0.8	51	14	4	23	4.21	1.75	17	17	0.72	1664	1	0.03	6	0.14	21	14	0.09	133	90	
208	10800	5	0.4	5.30	6	691	1.3	2	0.11	1.0	61	15	4	34	4.27	1.92	23	15	0.92	1946	1	0.03	5	0.12	26	10	0.09	135	93	
209	10825	5	0.6	4.89	18	810	1.1	2	0.06	0.8	52	13	6	19	4.12	1.69	23	13	0.58	1993	1	0.04	4	0.22	21	11	0.11	117	82	
210	10875	10	1.6	3.96	25	429	1.1	2	0.03	0.9	48	11	7	23	4.30	1.05	21	11	0.34	1802	2	0.03	3	0.20	29	8	0.08	79	69	
211	9800N-10900W	5	0.8	4.31	24	560	1.1	2	0.05	1.3	42	14	9	24	4.18	1.32	20	13	0.34	2473	3	0.02	6	0.29	34	14	0.09	112	81	
212	9800N-10925W	5	0.6	3.90	9	364	0.9	2	0.05	0.6	41	6	9	16	3.21	0.97	20	11	0.26	1082	2	0.04	4	0.24	22	12	0.14	81	54	
213	10950	15	0.4	4.66	8	420	0.8	2	0.06	0.2	40	5	6	15	2.53	1.17	20	16	0.43	265	1	0.04	4	0.13	23	14	0.11	102	50	
214	10975	5	1.2	3.66	16	467	0.6	2	0.04	0.4	30	4	6	20	3.70	1.12	15	7	0.29	195	1	0.02	3	0.52	24	11	0.08	91	46	
215	11025	5	0.6	4.55	17	532	0.8	2	0.05	0.5	35	9	7	15	3.82	1.53	18	12	0.46	1953	1	0.04	5	0.20	29	13	0.10	107	58	
216	9800N-11050W	5	0.6	3.66	7	432	0.7	2	0.07	0.6	31	10	9	16	4.28	1.28	15	7	0.33	3029	2	0.03	4	0.30	21	14	0.15	113	61	

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	Pg. 6 of 8
217	9800N-11075W	5	0.6	4.56	23	805	0.8	2	0.08	0.5	38	9	7	13	3.39	1.47	17	13	0.41	1428	1	0.03	4	0.21	18	11	0.11	110	59	
218	11100	5	0.4	4.43	12	438	0.8	2	0.07	1.0	35	11	8	15	4.41	1.35	17	11	0.52	3355	2	0.02	5	0.28	22	14	0.13	123	71	
219	11125	5	0.4	4.24	13	413	0.8	2	0.08	0.8	42	13	8	18	4.23	1.24	18	11	0.55	2480	1	0.02	4	0.20	24	13	0.18	110	72	
220	11150	5	0.6	4.03	12	394	0.8	2	0.07	0.8	29	5	8	12	3.98	1.20	14	7	0.39	596	2	0.03	4	0.24	16	13	0.18	112	58	
221	9800N-11175W	5	0.2	3.50	6	600	0.7	2	0.33	0.4	33	9	7	15	3.51	1.42	14	6	0.36	1864	1	0.02	4	0.19	19	30	0.13	117	55	
222	9800N-11200W	5	0.8	3.88	18	895	0.8	2	0.22	0.8	32	8	5	13	3.98	1.70	15	7	0.37	1773	1	0.02	3	0.28	15	20	0.12	126	75	
223	11225	5	0.2	4.53	7	546	0.7	2	0.08	0.8	33	6	5	12	4.19	1.58	15	5	0.42	895	1	0.02	3	0.23	16	16	0.18	143	57	
224	11250	5	0.4	4.43	25	919	1.1	2	0.35	1.0	61	21	7	44	4.02	1.65	17	13	0.59	5309	1	0.05	8	0.22	27	28	0.18	133	100	
225	9800N-11275W	5	0.4	4.86	14	552	0.8	2	0.08	0.3	41	7	4	13	3.33	1.68	17	10	0.51	735	1	0.02	3	0.11	19	14	0.14	138	66	

NORANDA VANCOUVER LABORATORY

Geochemical Analysis

Kniffle Results

Project Name & No.: XXXXXXXXXX-293

Geol.: B.F.

Date rec'd: AUGUST 03

LAB CODE: B008-023

Material: 54 SOILS

Sheet: 1 of 2

Date compl: AUGUST 22

Remarks:

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 acid dissolution methods.

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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	8800N-9825W	10	2.4	4.45	20	737	1.0	2	0.28	1.5	48	17	2	31	4.85	1.57	19	13	0.87	3022	1	0.02	4	0.11	29	17	0.13	165	127
3	9850	5	2.0	4.88	18	730	1.2	2	0.23	1.4	51	17	2	30	4.95	1.87	21	14	0.98	3013	1	0.02	5	0.11	27	14	0.14	163	130
4	9875	5	0.8	5.08	24	872	1.2	2	0.17	1.4	49	18	3	28	5.08	1.80	20	14	0.94	1981	1	0.03	7	0.11	27	14	0.16	178	127
5	9900	25	0.6	5.20	23	844	1.1	2	0.15	1.5	51	18	3	33	5.28	2.12	19	14	1.08	2829	1	0.02	6	0.12	27	11	0.16	186	124
6	8800N-9925W	10	0.8	5.58	22	559	1.3	2	0.12	1.5	82	18	4	31	5.35	1.61	19	15	1.03	2480	1	0.03	6	0.13	28	13	0.17	195	138
7	8800N-9975W	6	1.0	4.84	21	640	1.1	2	0.14	1.5	48	18	3	29	5.22	1.72	18	14	0.88	2135	1	0.03	7	0.10	24	14	0.18	182	121
8	10000	10	3.8	4.59	29	1098	1.2	2	0.17	1.9	81	32	3	39	5.37	1.55	28	17	1.21	5806	4	0.02	6	0.12	81	13	0.10	171	147
9	10025	5	1.2	5.29	9	882	1.0	2	0.33	1.7	47	21	2	30	5.60	2.12	21	14	0.95	2379	1	0.02	5	0.12	23	20	0.12	190	124
10	10075	6	1.2	5.72	13	1000	1.0	2	0.37	1.7	48	21	3	32	5.59	2.88	21	16	1.01	2817	1	0.03	5	0.12	23	22	0.12	201	130
11	8800N-10100W	5	2.0	4.57	28	966	1.0	2	0.28	1.5	48	21	2	30	5.04	1.77	22	13	0.79	2431	1	0.02	6	0.11	25	19	0.10	176	122
12	8800N-10150W	5	1.0	4.85	18	773	0.9	2	0.30	1.2	35	15	2	23	4.81	2.14	15	13	0.86	1310	1	0.03	4	0.11	17	17	0.09	168	109
13	10175	5	1.0	4.80	21	938	1.0	2	0.37	1.5	51	21	2	30	5.24	2.18	21	14	0.95	2473	1	0.03	6	0.12	29	22	0.13	180	125
14	10200	5	0.8	5.01	19	992	1.0	2	0.38	2.0	51	21	2	32	5.51	2.28	22	15	0.99	2749	2	0.04	6	0.12	32	23	0.14	189	130
15	10225	500	1.0	5.38	20	1013	1.0	2	0.44	1.9	52	22	2	31	5.48	2.57	21	15	1.03	2124	1	0.03	6	0.12	28	21	0.13	194	128
16	8800N-10250W	5	1.2	4.74	18	1114	1.0	2	2.04	1.7	54	19	3	27	4.99	2.17	18	15	0.94	1704	1	0.03	5	0.11	24	55	0.12	174	111
17	8800N-10275W	5	1.8	4.75	18	1037	1.0	2	0.35	1.7	48	18	3	27	5.13	1.83	21	18	1.18	2328	1	0.02	5	0.11	31	17	0.13	183	129
18	10300	80	1.2	4.82	15	832	1.0	3	0.78	1.7	54	18	3	27	5.19	2.00	21	16	1.17	2246	1	0.02	5	0.11	33	24	0.13	178	128
19	10350	6	1.4	4.03	17	888	0.9	2	0.32	1.5	48	17	3	25	4.86	1.91	20	16	1.09	2252	1	0.02	4	0.11	31	15	0.12	168	118
20	10400	50	1.0	4.25	17	728	0.9	2	0.33	1.5	47	18	3	25	4.79	2.08	20	15	1.09	2172	1	0.02	4	0.11	25	15	0.15	168	109
21	8800N-10450W	40	1.0	3.51	17	696	0.9	2	0.40	1.1	50	12	4	22	4.48	1.10	22	12	0.72	1249	1	0.03	5	0.11	24	31	0.19	132	87
22	8800N-10475W	5	1.2	4.28	4	451	0.9	2	0.24	1.3	35	15	2	18	4.59	1.52	14	13	0.94	2075	1	0.02	3	0.13	22	12	0.13	158	111
23	10500	10	3.4	3.87	8	428	1.3	2	0.12	1.2	68	10	4	19	4.79	0.80	28	10	0.41	2119	1	0.05	4	0.22	22	11	0.13	92	92
24	10525	5	0.8	3.34	11	835	0.8	2	0.30	1.8	37	13	3	14	3.93	0.95	13	9	0.48	2410	1	0.03	4	0.24	24	24	0.14	115	128
25	10550	5	0.8	4.38	11	821	0.8	2	0.12	1.5	27	11	4	18	5.03	1.81	13	9	0.84	1475	1	0.02	3	0.25	20	13	0.15	168	110
26	8800N-10575W	55	1.8	4.37	87	695	1.0	2	0.20	1.7	50	14	4	30	5.20	1.83	22	12	0.75	1857	1	0.02	5	0.13	85	34	0.18	182	108
27	8800N-10800W	40	1.0	4.28	34	518	0.9	2	0.13	1.2	41	14	4	18	4.42	1.45	18	12	0.89	2148	1	0.02	4	0.18	28	17	0.15	148	87
28	10825	5	2.8	4.22	18	688	0.9	2	0.20	1.4	33	18	4	17	4.80	1.74	13	9	0.61	2278	1	0.02	4	0.28	32	16	0.14	163	96
29	10850	5	1.4	4.32	19	551	0.9	2	0.13	1.1	38	12	5	19	4.34	1.84	14	14	0.66	1482	1	0.02	4	0.18	28	17	0.14	128	83
30	10875	5	1.0	4.29	17	494	0.8	2	0.09	1.1	38	13	6	15	4.24	1.58	18	11	0.58	2315	1	0.02	4	0.21	28	15	0.15	142	92
31	8800N-10700W	5	1.0	3.86	14	634	0.7	2	0.13	1.0	28	11	5	14	4.15	1.47	12	9	0.44	1817	1	0.02	3	0.22	24	15	0.12	132	108
32	8800N-10725W	5	1.0	2.82	19	404	0.7	2	0.13	1.3	30	7	7	13	4.99	0.76	14	5	0.24	1959	2	0.03	3	0.36	21	15	0.18	89	74
33	10750	5	2.0	4.17	17	398	0.9	2	0.08	0.8	40	9	3	43	3.89	1.31	18	12	0.58	828	1	0.02	3	0.12	41	12	0.11	121	87
34	10775	40	3.2	3.35	22	533	0.7	2	0.18	0.8	31	11	4	15	3.57	1.05	12	11	0.47	2388	1	0.02	4	0.19	24	16	0.12	107	76
35	8800N-10825W	5	2.2	4.25	32	647	0.9	2	0.08	0.9	31	11	4	15	4.22	1.51	14	10	0.54	2043	1	0.02	3	0.30	33	17	0.13	139	88
36	8800N-10050W	5	1.8	5.05	35	1114	1.0	2	0.50	2.0	48	23	3	30	5.18	2.20	18	14	0.90	2140	1	0.02	6	0.11	87	22	0.10	181	125

RECEIVED
AUG 30 1990

FILE 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	9008-023 Pg. 2 of 2
37 8900N-10150W	5	1.8	3.84	19	1180	0.8	2	0.50	1.8	45	17	3	25	4.78	1.73	18	14	1.04	1758	1	0.02	5	0.11	30	24	0.11	153	113	
38 10250	5	1.2	4.43	37	807	0.9	2	0.38	1.8	47	20	3	23	4.75	2.09	19	14	0.99	2132	1	0.02	5	0.11	29	17	0.11	165	107	
39 10275	5	1.0	4.08	17	2297	0.9	3	2.18	1.5	54	18	3	22	4.52	1.88	18	17	1.12	1688	1	0.03	5	0.10	23	83	0.15	151	100	
40 10375	5	1.6	3.48	28	584	0.8	3	0.41	1.7	47	18	4	25	4.88	1.48	20	15	1.10	2385	1	0.02	4	0.11	31	18	0.18	152	108	
41 8900N-10425W	5	0.8	4.01	15	513	0.8	2	0.29	1.1	31	14	3	16	4.35	1.83	12	11	0.88	1724	1	0.02	3	0.11	19	13	0.10	147	101	
42 8900N-10450W	5	1.4	3.24	20	650	0.8	2	0.50	1.8	44	14	3	22	4.58	1.25	22	12	0.95	2508	1	0.02	3	0.11	22	19	0.14	134	102	
43 10475	10	1.8	4.43	18	921	0.8	2	0.15	1.2	29	12	4	18	4.58	1.51	13	15	0.91	1114	1	0.01	3	0.14	17	7	0.14	169	109	
44 10500	5	1.8	3.42	21	455	0.8	2	0.11	0.8	19	9	3	13	3.78	1.27	10	8	0.64	1184	1	0.01	3	0.21	20	8	0.11	151	97	
45 10525	10	2.0	3.74	22	302	0.8	2	0.09	1.1	33	18	2	26	4.16	1.24	13	13	0.83	2288	1	0.01	3	0.09	39	7	0.13	152	127	
46 8900N-10550W	5	1.8	3.18	19	354	0.8	2	0.08	1.0	26	7	5	12	3.98	1.08	12	7	0.42	1288	1	0.02	3	0.25	18	10	0.11	113	72	
47 8900N-10575W	5	1.0	3.94	22	482	0.7	2	0.13	0.9	28	9	7	12	3.68	1.43	12	11	0.61	1018	1	0.02	4	0.23	20	20	0.17	132	81	
48 10600	5	1.8	4.07	14	380	0.8	2	0.07	0.8	24	7	8	13	3.89	1.31	12	9	0.58	521	1	0.02	3	0.20	17	10	0.11	135	75	
49 10625	5	1.0	4.19	23	501	0.8	2	0.06	1.0	31	9	5	12	4.19	1.58	14	8	0.51	1492	1	0.02	3	0.24	20	12	0.12	137	70	
51 10650	5	0.8	3.83	6	408	0.8	2	0.07	0.8	24	8	7	12	3.41	1.33	12	7	0.48	896	1	0.02	3	0.20	12	11	0.11	122	84	
52 8900N-10875W	5	1.0	4.35	18	509	0.7	2	0.10	0.8	27	10	7	12	4.09	1.58	13	10	0.58	1371	1	0.02	4	0.21	20	19	0.18	140	73	
53 8900N-10700W	5	0.8	3.47	17	652	0.8	2	0.18	0.8	28	11	8	11	3.70	1.37	12	8	0.40	2377	1	0.02	4	0.26	17	21	0.13	124	75	
54 10725	5	1.2	3.83	14	531	0.8	2	0.10	0.8	33	13	5	14	3.89	1.43	14	11	0.61	3215	1	0.02	4	0.22	22	17	0.12	128	79	
55 10750	10	1.8	3.89	18	587	0.9	2	0.20	0.9	38	10	4	17	3.80	1.30	15	12	0.58	1697	1	0.02	5	0.20	22	21	0.12	110	87	
56 8900N-10775W	5	1.0	3.37	12	833	0.8	2	0.21	0.8	32	11	4	16	3.48	1.41	12	10	0.52	2388	1	0.02	4	0.19	22	19	0.11	111	84	

NORANDA VANCOUVER LABORATORY

Geochemical Analysis

Copy to Mike
(field + office)

Project Name & No.: KNIPPLE LK - 293 Geol.: M.S.
 Material: 199 SOILS & 6 SILTS Sheet: 1 of 5
 Remarks:

Date rec'd: AUGUST 08
 Date compl: AUGUST 27

LAB CODE: 9008-039

SEP - 4 1990

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 acid dissolution methods.

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	8600N-10000W	40	1.0	5.48	33	3100	1.2	4	1.81	2.2	62	19	5	41	4.99	2.91	20	16	0.99	1475	1	0.03	5	0.11	35	62	0.12	175	115
3	10050	5	1.4	4.26	33	1430	1.0	2	0.66	2.0	52	17	4	28	4.64	1.99	19	13	0.81	1550	1	0.02	4	0.10	40	27	0.11	154	117
4	10075	5	1.2	4.39	39	974	1.1	3	0.95	2.5	58	20	4	30	5.36	2.03	20	12	0.77	1554	1	0.02	5	0.12	29	29	0.13	170	105
5	10100	5	1.0	4.17	45	1168	1.1	4	2.44	2.4	61	20	5	27	4.96	1.78	20	13	0.68	1446	2	0.02	5	0.11	31	53	0.12	162	108
6	8600N-10125W	5	1.2	3.74	44	1103	1.1	4	2.59	2.4	61	20	5	26	4.92	1.83	20	12	0.62	1433	2	0.02	5	0.11	34	57	0.11	152	101
7	8600N-10200W	20	1.2	3.76	37	704	1.0	2	0.56	2.0	52	19	4	22	4.88	1.93	19	12	0.76	1547	1	0.02	5	0.11	31	19	0.11	149	103
8	10225	5	1.4	4.13	35	1562	1.1	5	2.19	2.2	58	18	4	27	4.59	1.94	19	13	0.81	1545	1	0.02	5	0.11	40	54	0.12	153	110
9	10325	15	1.2	3.78	34	847	1.0	3	0.89	2.3	58	18	4	23	4.68	1.83	20	12	0.78	1619	1	0.02	5	0.12	40	25	0.13	150	108
10	10350	5	0.8	3.28	38	650	0.9	3	0.73	2.1	53	18	5	22	4.67	1.52	18	11	0.72	1465	1	0.01	4	0.11	28	22	0.10	145	91
11	8600N-10400W	5	1.0	4.84	22	971	1.1	7	2.18	2.0	56	18	5	28	4.73	2.53	18	14	0.84	1436	1	0.02	5	0.11	22	56	0.11	171	105
12	8600N-10425W	5	1.0	4.60	19	807	1.0	2	0.80	1.8	50	17	4	27	4.90	2.36	19	13	0.79	1528	1	0.02	4	0.11	17	27	0.12	168	103
13	10450	5	1.0	4.61	19	746	1.0	3	1.46	1.8	54	17	4	28	4.81	2.29	19	14	0.82	1605	1	0.02	4	0.11	15	40	0.12	171	107
14	10475	5	1.4	4.44	17	736	1.0	2	0.35	1.9	47	17	3	31	5.14	2.15	21	12	0.79	1737	1	0.02	4	0.11	17	19	0.14	169	105
15	10500	5	1.2	4.41	17	763	1.0	2	0.37	1.7	45	17	3	28	4.82	2.23	18	13	0.80	1721	1	0.02	4	0.11	18	18	0.12	165	101
16	8600N-10525W	15	1.6	4.06	24	764	0.9	2	0.32	1.6	47	17	3	26	4.95	2.08	20	12	0.76	1881	1	0.02	4	0.11	17	20	0.13	160	102
17	8600N-10550W	5	1.4	3.74	16	704	0.9	2	0.34	1.6	44	16	3	28	4.58	1.77	19	11	0.75	1898	1	0.04	4	0.10	14	23	0.14	150	96
18	10375	5	1.4	4.05	19	989	0.9	3	2.39	1.6	53	15	3	26	4.53	2.06	18	13	0.73	1340	1	0.02	4	0.10	15	69	0.12	155	94
19	10600	5	0.4	3.13	8	563	0.6	2	0.11	1.4	28	9	5	15	3.43	1.33	13	6	0.28	1508	1	0.02	2	0.23	15	16	0.13	122	76
20	10825	5	0.4	2.99	9	600	0.7	2	0.15	0.8	25	8	5	14	3.44	1.11	11	6	0.30	1543	1	0.02	2	0.25	13	18	0.12	121	75
21	8600N-10650W	10	0.8	3.56	8	376	0.7	2	0.08	0.9	33	6	9	13	3.84	1.18	16	9	0.38	504	1	0.03	3	0.30	16	14	0.14	106	62
22	8600N-10675W	5	0.6	3.22	11	426	0.7	2	0.09	1.1	33	7	10	13	4.34	1.11	15	7	0.31	1153	1	0.03	3	0.30	22	18	0.17	104	75
23	10700	5	1.2	3.39	12	472	0.9	2	0.08	1.3	36	12	7	15	4.37	1.21	15	9	0.39	2756	2	0.03	4	0.27	26	14	0.14	104	61
24	10725	5	1.8	4.08	17	466	1.0	2	0.09	1.4	40	14	7	17	4.40	1.31	16	12	0.54	2306	1	0.02	4	0.24	33	14	0.14	117	91
25	10775	5	0.4	4.12	9	543	0.8	2	0.11	1.0	32	8	6	14	3.97	1.69	15	9	0.52	625	1	0.02	4	0.20	19	18	0.14	129	73
26	8600N-10800W	5	1.6	4.76	11	536	0.8	2	0.07	1.2	33	10	6	16	4.01	1.54	15	13	0.58	893	1	0.02	4	0.19	26	14	0.15	131	77
27	8600N-10825W	5	1.4	4.33	20	1002	1.0	3	0.34	2.0	48	19	3	29	5.01	1.96	20	14	0.94	2054	1	0.02	5	0.11	30	20	0.12	172	121
28	8900N-10825W	5	2.2	4.17	12	603	1.0	2	0.14	1.1	44	12	4	19	3.79	1.44	15	13	0.69	1558	1	0.02	5	0.18	23	15	0.12	127	86
29	10850	5	1.0	3.81	7	655	0.9	2	0.21	1.2	33	13	6	12	3.72	1.49	14	9	0.54	2362	1	0.02	4	0.26	22	20	0.11	128	83
30	10875	5	1.4	3.98	25	532	0.8	2	0.08	1.1	31	12	6	16	3.99	1.42	12	11	0.60	1314	1	0.02	4	0.19	21	12	0.12	134	75
31	8900N-10900W	25	0.2	4.72	11	673	1.1	2	0.06	0.9	44	14	6	29	3.86	1.83	19	15	0.79	1899	1	0.02	5	0.10	18	13	0.11	140	88
32	9200N-10050W	20	0.4	4.18	7	481	1.1	2	0.08	1.1	47	13	6	18	4.50	1.61	17	14	0.66	1824	1	0.02	4	0.14	17	10	0.13	149	113
33	10100	5	0.4	4.26	7	440	1.0	2	0.06	1.0	43	11	7	17	4.15	1.44	15	12	0.62	1787	1	0.02	4	0.18	22	7	0.14	136	85
34	10125	5	0.2	4.29	2	510	0.9	2	0.09	0.9	31	9	7	16	3.66	1.60	14	11	0.70	1065	1	0.02	3	0.22	10	9	0.15	144	76
35	10150	10	0.4	4.11	6	426	1.1	2	0.06	1.2	89	14	6	26	4.12	1.33	19	13	0.68	2436	1	0.03	5	0.14	17	7	0.12	116	64
36	9200N-10175W	6	0.2	4.13	2	660	0.7	2	0.06	0.6	25	5	10	13	3.37	1.42	13	6	0.43	413	1	0.02	3	0.25	12	11	0.22	162	57

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	0008-030 Pg. 2 of 5
37	10100N-10275W	5	0.2	5.24	9	827	1.4	2	0.11	1.2	51	14	5	39	4.28	1.72	20	18	0.95	1473	1	0.04	9	0.11	21	14	0.10	126	105	
38	10300	20	2.0	5.10	122	1088	1.4	2	0.21	2.2	63	19	6	36	6.34	1.87	35	16	0.86	3328	6	0.03	8	0.13	32	15	0.10	172	156	
39	10325	5	0.2	6.43	13	1114	1.5	2	0.18	1.6	58	15	4	28	4.24	2.30	25	21	0.83	2093	2	0.03	6	0.14	52	28	0.09	152	119	
40	10350	5	0.2	5.48	2	1569	1.3	2	0.21	1.6	70	19	12	38	4.72	1.69	24	18	1.09	3548	1	0.02	8	0.17	14	17	0.17	206	102	
41	10100N-10375W	15	0.2	6.50	15	786	1.5	2	0.31	2.1	64	21	8	55	5.31	2.12	29	17	1.40	2842	9	0.05	12	0.09	25	21	0.19	218	114	
42	10100N-10450W	5	0.2	5.24	15	776	1.8	2	0.10	1.8	81	14	5	36	4.41	2.35	27	10	0.61	2072	3	0.02	8	0.13	46	15	0.08	98	121	
43	10475	5	0.2	4.57	17	688	1.5	2	0.07	0.9	71	12	4	26	3.54	2.14	24	9	0.72	1554	2	0.02	5	0.11	40	9	0.08	92	81	
44	10500	5	0.2	5.08	2	664	1.4	2	0.08	1.1	51	13	4	25	4.02	1.99	21	11	0.86	1717	1	0.02	6	0.16	43	13	0.11	114	101	
45	10575	5	0.2	4.28	6	817	1.2	2	0.11	1.0	39	13	9	19	4.01	1.36	18	11	0.48	2230	1	0.02	5	0.26	27	14	0.12	117	63	
46	10100N-10600W	5	0.2	4.40	2	838	0.9	2	0.07	0.3	32	7	6	13	2.65	1.45	16	4	0.47	600	1	0.02	3	0.16	13	10	0.10	115	46	
47	10100N-10625W	5	0.2	5.07	6	889	1.4	2	0.35	1.2	60	14	6	27	4.18	1.35	23	18	1.10	1772	1	0.02	8	0.20	24	18	0.18	148	93	
48	10650	5	0.2	4.93	9	848	1.1	2	0.07	0.9	38	13	7	20	3.93	1.48	19	16	0.74	1387	1	0.02	5	0.16	18	9	0.16	139	89	
49	10676	5	0.2	6.05	9	790	1.3	2	0.11	1.3	64	16	6	54	4.40	1.83	23	19	1.06	1780	1	0.03	9	0.12	35	13	0.13	155	99	
51	10800	5	0.2	5.33	9	830	1.6	2	0.09	1.2	60	9	9	23	3.87	1.72	28	16	0.60	858	1	0.06	7	0.13	24	12	0.12	104	100	
52	10100N-10825W	5	0.2	5.39	6	778	1.3	2	0.03	1.2	52	10	5	25	4.10	1.96	23	14	0.57	819	2	0.04	5	0.14	26	8	0.08	91	83	
53	10100N-10850W	5	0.2	5.64	12	789	1.2	2	0.08	1.2	50	12	7	22	4.06	1.98	22	14	0.60	1095	1	0.05	6	0.19	28	16	0.12	111	88	
54	10676	5	0.2	4.70	6	437	1.7	2	0.07	1.3	79	7	7	21	4.41	1.02	31	13	0.33	915	3	0.10	5	0.13	22	9	0.13	63	108	
55	10900	5	0.2	6.01	3	862	1.3	2	0.05	1.3	53	12	4	26	4.09	2.21	23	14	0.69	1111	1	0.04	7	0.13	30	12	0.10	120	90	
56	10925	5	0.2	4.81	6	548	0.8	2	0.05	1.3	32	7	4	24	4.18	1.64	16	15	0.34	923	2	0.02	4	0.18	32	11	0.08	112	76	
57	10100N-10950W	5	0.2	4.34	4	552	0.8	2	0.11	0.5	38	11	6	12	2.78	1.37	19	10	0.40	1522	1	0.05	4	0.14	25	22	0.13	108	45	
58	10100N-10975W	5	0.4	5.88	6	646	1.1	2	0.03	1.0	45	13	3	23	3.65	1.81	19	16	0.49	1611	1	0.02	4	0.19	44	11	0.09	112	77	
59	11025	20	0.8	4.56	7	512	1.0	2	0.04	1.0	37	11	2	26	3.75	1.34	17	15	0.50	933	1	0.02	4	0.11	38	10	0.07	100	89	
60	11050	25	0.2	4.96	14	599	1.3	2	0.08	1.7	61	15	5	32	4.31	1.52	22	17	0.54	2289	2	0.03	7	0.16	49	14	0.09	105	98	
61	11075	6	0.6	5.05	2	518	1.3	2	0.08	1.2	53	11	9	24	3.86	1.58	22	19	0.55	968	2	0.04	6	0.13	30	14	0.12	105	87	
62	10100N-11100W	5	0.2	5.63	2	568	1.3	2	0.08	1.3	55	13	8	26	3.98	1.76	23	17	0.65	961	1	0.04	7	0.13	31	14	0.12	113	94	
63	10100N-11125W	5	0.2	4.77	6	482	1.0	2	0.11	1.2	52	12	9	16	4.00	1.48	22	13	0.53	2003	2	0.05	5	0.24	28	17	0.16	114	81	
64	11150	5	0.2	5.08	10	729	1.3	2	0.17	1.5	67	14	5	29	4.14	1.98	24	15	0.86	1509	1	0.03	6	0.11	28	16	0.13	124	91	
66	11200	5	0.2	4.88	5	503	1.1	2	0.12	1.6	54	10	7	21	4.18	1.62	22	14	0.74	1007	1	0.05	6	0.13	25	16	0.17	117	88	
66	11225	5	0.4	4.45	12	582	1.3	2	0.12	1.4	55	13	6	26	4.06	1.66	21	14	0.77	1238	1	0.04	7	0.11	27	16	0.14	112	97	
67	10100N-11250W	5	0.2	4.84	9	598	1.3	2	0.11	1.7	59	14	5	28	4.30	1.65	22	15	0.81	1523	1	0.03	7	0.12	29	15	0.14	118	102	
68	10100N-11275W	5	0.4	4.83	9	597	1.3	2	0.11	1.6	58	14	6	28	4.22	1.66	22	15	0.80	1749	1	0.03	7	0.13	31	14	0.13	117	99	
69	11300	5	0.6	4.83	5	592	1.0	2	0.07	0.8	41	6	8	9	2.95	1.45	17	14	0.51	502	1	0.03	4	0.14	19	14	0.15	114	89	
70	11325	5	0.6	3.86	18	525	1.1	2	0.19	1.2	64	12	7	21	3.67	1.47	21	12	0.68	1134	1	0.04	6	0.10	26	18	0.15	106	93	
71	11350	5	0.4	4.62	2	534	0.8	2	0.06	0.7	40	7	8	11	3.19	1.53	17	14	0.57	476	1	0.03	5	0.12	19	13	0.14	117	71	
72	10100N-11375W	5	0.2	6.29	23	1225	1.5	2	0.17	1.9	69	23	5	39	4.51	2.44	31	18	0.83	3140	1	0.03	6	0.14	39	35	0.07	159	122	
73	10100N-11400W	5	0.2	4.81	85	1166	1.4	2	0.07	2.7	105	29	4	136	6.18	2.18	41	8	0.45	5991	4	0.02	8	0.12	38	16	0.06	136	150	
74	11425	5	0.4	5.50	98	904	1.6	2	0.20	2.1	81	32	4	45	5.26	2.53	40	9	0.57	3092	4	0.03	7	0.13	45	15	0.09	168	150	
75	11500	10	0.6	5.15	126	1125	1.0	2	0.49	1.8	58	25	5	38	4.59	2.06	22	12	0.56	3674	1	0.02	5	0.29	30	23	0.08	145	101	
76	11550	5	0.6	5.45	2	1440	1.4	2	0.35	1.9	71	16	3	47	4.12	2.52	35	14	0.75	2055	1	0.03	8	0.11	43	30	0.07	103	107	
77	10100N-11600W	5	0.4	5.87	2	1298	1.4	2	0.18	1.7	61	17	3	49	4.58	2.57	31	16	0.84	1917	1	0.03	8	0.09	37	28	0.08	115	115	
78	10200N-10425W	5	1.0	4.40	2	625	2.1	2	0.20	1.4	95	11	10	41	3.81	1.60	39	15	0.83	887	1	0.06	14	0.10	44	28	0.13	87	133	
79	10575	5	0.2	4.93	2	679	1.3	2	0.11	1.1	61	13	7	35	3.75	1.93	27	15	0.84	926	1	0.05	11	0.09	27	17	0.09	108	104	
80	10650	15	0.2	6.15	2	695	1.3	2	0.03	1.5	50	17	8	33	5.08	1.78	21	20	0.99	1975	1	0.02	8	0.15	31	6	0.08	144	107	
81	10200N-10875W	10	0.2	5.78	11	671	1.5	2	0.04	1.6	65	30	7	44	4.49	1.64	25	18	1.04	2878	2	0.02	9	0.13	35	6	0.10	143	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	8008-039 Pg. 3 of 5
82	10200N-10725W	20	0.8	5.47	8	828	1.7	2	0.14	1.5	61	17	5	39	4.41	1.88	29	17	0.94	1679	3	0.04	8	0.09	37	14	0.08	129	125	
83	10200N-10750W	15	0.2	5.39	9	744	1.5	2	0.13	1.8	58	18	5	40	4.39	1.58	28	17	1.10	1484	2	0.03	10	0.12	32	12	0.11	141	108	
84	10775	10	0.2	5.87	9	746	1.3	2	0.07	1.2	52	15	5	44	4.15	1.89	22	18	1.02	1607	2	0.03	8	0.14	23	10	0.11	150	98	
85	10800	10	0.2	5.85	12	880	1.7	2	0.10	1.5	60	18	4	41	4.67	2.11	28	17	1.08	2038	2	0.03	7	0.08	32	11	0.09	138	117	
86	11000	5	0.2	5.44	19	694	1.4	2	0.05	1.5	58	15	3	39	4.17	1.89	22	18	0.59	1690	3	0.04	7	0.09	61	14	0.08	102	115	
87	10200N-11025W	30	0.8	5.30	11	577	1.1	2	0.08	0.8	58	8	8	27	3.89	1.52	24	17	0.57	509	2	0.07	7	0.14	41	17	0.13	110	82	
88	10200N-11050W	5	0.4	5.81	15	619	1.0	2	0.02	0.7	42	11	5	21	3.55	1.92	21	19	0.44	1090	2	0.03	4	0.12	39	12	0.10	123	82	
89	11075	15	0.4	5.25	10	581	1.3	2	0.07	1.1	60	12	7	27	3.98	1.71	23	17	0.48	1487	2	0.08	6	0.14	43	15	0.11	99	98	
90	11100	5	0.4	5.44	13	695	1.4	2	0.06	1.1	54	14	4	35	4.07	2.04	21	17	0.57	1594	2	0.04	7	0.10	47	13	0.08	107	102	
91	11125	5	0.6	4.91	8	694	1.3	2	0.20	1.1	54	14	5	28	4.10	1.89	22	14	0.70	1312	2	0.07	9	0.09	29	28	0.13	114	98	
92	10200N-11150W	25	0.4	5.52	16	582	1.4	2	0.02	0.9	80	12	6	30	3.92	1.49	30	16	0.42	1138	3	0.03	5	0.12	29	9	0.09	90	76	
93	10200N-11175W	10	0.4	5.23	2	588	1.1	2	0.04	0.7	48	9	5	20	3.17	1.44	22	13	0.47	878	1	0.03	5	0.12	27	11	0.10	105	55	
94	11200	10	0.2	4.32	2	440	0.8	2	0.07	0.4	41	5	8	15	2.77	1.21	21	11	0.30	604	1	0.04	4	0.23	19	15	0.14	84	52	
95	11225	5	0.4	5.35	2	583	1.2	2	0.12	1.0	49	8	7	15	3.71	1.88	24	15	0.64	880	1	0.05	5	0.21	20	14	0.16	113	79	
96	11250	5	0.8	4.27	2	487	0.8	2	0.09	0.3	40	6	10	13	2.05	1.28	20	11	0.40	487	1	0.04	6	0.18	17	19	0.14	88	54	
97	10200N-11275W	5	0.8	4.48	2	387	0.8	2	0.08	0.7	43	4	10	15	3.50	1.15	21	9	0.41	387	1	0.04	4	0.17	19	13	0.20	105	53	
98	10200N-11300W	5	0.4	5.28	2	424	0.9	2	0.09	1.0	48	9	8	18	4.10	1.28	21	13	0.64	673	1	0.04	5	0.19	21	15	0.19	123	80	
99	11325	5	0.2	4.50	2	395	0.9	2	0.08	1.1	42	9	6	14	3.92	1.13	20	13	0.65	881	1	0.03	5	0.11	21	12	0.16	109	77	
101	11350	5	1.0	4.48	4	426	1.4	2	0.07	1.4	73	7	10	16	4.34	1.11	31	15	0.37	480	4	0.05	5	0.11	31	9	0.12	77	82	
102	11375	5	1.4	5.49	2	887	2.0	2	0.20	1.3	61	12	10	21	3.93	1.85	38	20	0.78	1515	1	0.04	7	0.19	21	18	0.13	127	110	
103	10200N-11400W	5	0.6	4.84	2	575	1.2	2	0.14	1.7	41	7	9	20	5.27	1.20	21	13	0.37	1154	3	0.05	4	0.31	18	13	0.12	100	93	
104	10200N-11425W	5	0.4	5.24	2	689	0.9	2	0.13	1.1	40	7	7	11	4.11	1.74	19	12	0.58	815	1	0.04	4	0.18	18	18	0.19	142	79	
105	11450	5	0.2	5.54	2	534	0.9	2	0.06	1.6	33	10	5	14	4.89	1.58	18	12	0.75	885	4	0.02	4	0.18	18	11	0.16	143	85	
106	11475	5	0.2	5.18	2	510	0.8	2	0.06	1.4	33	10	5	16	4.56	1.53	18	11	0.82	1445	1	0.02	4	0.27	19	10	0.14	133	82	
107	11500	5	0.8	7.38	7	1382	1.4	3	0.09	2.7	81	33	6	28	6.17	2.41	31	24	1.55	6193	2	0.03	9	0.14	28	11	0.10	264	178	
108	10200N-11525W	5	1.2	7.35	2	924	1.4	2	0.13	2.2	68	21	4	58	5.41	2.51	24	22	1.53	3959	1	0.04	7	0.16	35	14	0.11	238	143	
109	10200N-11550W	15	0.6	5.87	2	674	1.0	2	0.09	1.8	40	18	5	20	4.70	2.07	17	15	0.89	1821	1	0.02	5	0.15	29	12	0.18	162	99	
110	11575	5	0.2	4.22	2	731	0.7	2	0.32	1.3	38	10	5	14	4.29	1.48	15	6	0.52	1808	1	0.03	4	0.29	20	23	0.16	127	63	
111	11625	5	0.2	5.09	2	586	0.9	2	0.09	1.9	37	12	8	17	5.25	1.82	18	13	0.75	1100	2	0.02	5	0.14	18	13	0.13	170	81	
112	10200N-11650W	8	0.2	5.71	2	664	1.0	2	0.08	1.6	44	16	8	17	4.81	1.87	19	21	0.82	1455	1	0.03	5	0.17	15	17	0.14	173	92	
113	10300N-10475W	5	0.2	5.39	2	1146	1.6	2	0.31	1.9	65	17	6	36	4.58	2.55	29	17	1.28	1789	1	0.03	8	0.11	17	18	0.10	142	91	
114	10300N-10825W	30	0.2	5.54	8	821	1.5	2	0.09	1.8	68	18	7	33	4.52	2.03	24	16	0.91	2488	1	0.03	8	0.15	32	10	0.09	126	108	
115	10650	5	0.2	6.95	6	808	1.8	2	0.12	2.0	59	21	8	28	4.82	2.16	24	21	1.09	2279	1	0.04	11	0.16	22	16	0.12	177	118	
116	10675	5	0.2	5.87	2	712	1.7	2	0.12	1.8	50	14	10	24	4.66	1.82	22	18	0.85	1918	1	0.03	9	0.20	22	15	0.14	119	108	
117	10700	5	0.2	6.53	2	899	1.7	2	0.09	1.6	57	16	5	20	4.13	2.12	24	19	0.80	2313	1	0.03	7	0.17	29	13	0.12	126	120	
118	10300N-10725W	5	0.2	6.71	6	814	1.4	2	0.06	1.8	62	15	5	27	4.46	2.07	21	18	0.81	1388	2	0.04	7	0.17	26	13	0.11	137	102	
119	10300N-10875W	5	0.2	5.22	10	797	1.4	2	0.07	1.4	50	15	3	30	4.08	2.07	21	16	0.87	1375	1	0.04	7	0.07	24	12	0.08	97	102	
120	10900	5	0.2	5.06	5	659	1.4	2	0.07	1.3	58	13	5	34	4.03	1.49	24	17	0.66	1085	1	0.04	8	0.11	24	14	0.10	97	107	
121	10950	5	0.2	5.16	10	792	1.5	2	0.04	1.1	87	17	6	42	4.07	1.87	23	18	0.69	2025	3	0.02	6	0.08	31	12	0.06	101	101	
122	10975	6	0.2	4.85	13	628	1.3	2	0.05	1.0	82	12	9	28	4.11	1.54	24	15	0.57	1452	2	0.04	7	0.15	31	11	0.10	91	98	
123	10300N-11000W	5	0.2	3.98	9	490	1.0	2	0.04	0.7	54	9	10	23	3.31	1.22	20	12	0.46	918	2	0.04	5	0.19	27	9	0.10	81	75	
124	10300N-11025W	5	0.2	4.38	13	489	1.4	2	0.04	0.9	57	13	9	24	3.91	1.19	20	13	0.44	1477	2	0.03	5	0.23	32	7	0.08	82	83	
125	10300N-11050W	5	0.2	4.38	17	541	1.5	2	0.07	1.4	60	13	8	29	4.38	1.38	22	13	0.52	1699	3	0.04	7	0.16	30	11	0.09	90	98	

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	9008-039 Pg. 4 of 5
128	10300N-11075W	5	0.2	5.19	15	694	1.2	2	0.02	1.0	42	14	5	25	4.01	1.83	18	20	0.51	1603	2	0.02	5	0.17	40	9	0.08	108	84	
127	11100	5	0.4	5.57	36	751	1.2	2	0.03	0.9	42	14	4	27	3.95	1.98	20	26	0.42	1590	2	0.03	6	0.13	127	18	0.08	98	90	
128	10300N-11125W	5	0.2	5.55	16	631	1.2	2	0.02	0.9	67	15	3	32	3.85	1.94	20	20	0.53	1528	4	0.02	5	0.10	60	11	0.05	117	90	
129	10300N-11150W	5	0.8	5.99	24	664	1.3	2	0.03	1.0	67	13	5	32	4.18	2.06	23	24	0.57	1315	4	0.03	5	0.16	45	10	0.08	123	97	
130	11175	5	0.4	5.04	22	524	1.4	2	0.08	1.2	69	11	7	35	4.11	1.87	26	19	0.55	1521	3	0.03	6	0.17	38	15	0.10	122	115	
131	11200	5	0.2	4.31	3	285	1.2	2	0.08	0.7	67	6	10	23	4.22	0.74	28	11	0.27	972	4	0.12	4	0.17	26	7	0.13	58	88	
132	11225	5	0.4	5.73	2	570	1.1	2	0.18	0.9	51	14	13	34	4.56	1.67	23	17	0.72	1736	2	0.10	11	0.22	27	28	0.16	132	90	
133	10300N-11250W	230	0.2	5.50	2	469	1.2	2	0.08	0.6	76	8	12	25	4.23	1.46	27	18	0.58	581	3	0.07	6	0.19	22	15	0.16	108	110	
134	10300N-11275W	5	0.2	5.25	2	424	1.1	2	0.14	0.5	61	9	15	19	4.13	1.32	25	16	0.58	940	3	0.08	7	0.24	22	21	0.21	115	88	
135	11300	5	0.2	7.00	2	692	1.4	2	0.09	0.6	51	9	13	18	3.80	2.03	24	22	0.66	644	1	0.05	6	0.21	19	18	0.20	136	92	
136	11325	5	0.2	5.58	2	440	1.2	2	0.11	0.7	53	7	10	20	4.55	1.23	25	17	0.55	633	3	0.05	5	0.19	18	11	0.14	95	91	
137	11350	5	0.4	3.80	2	188	0.8	2	0.05	0.4	48	2	13	11	3.89	0.56	24	8	0.20	391	3	0.07	3	0.17	15	9	0.20	60	84	
138	10300N-11375W	5	1.2	5.26	2	631	1.3	2	0.13	0.9	88	13	5	26	4.19	1.62	24	18	0.81	1241	1	0.03	5	0.11	22	13	0.12	112	117	
139	10300N-11400W	5	0.8	5.80	2	601	1.1	2	0.07	0.3	53	6	5	23	2.95	1.73	23	20	0.53	382	1	0.04	4	0.12	34	17	0.11	121	73	
140	11425	5	0.4	5.53	3	584	1.1	2	0.09	0.8	66	12	7	26	4.08	1.81	24	17	0.79	1177	1	0.03	5	0.10	25	14	0.13	129	100	
141	11450	5	0.2	5.48	4	557	1.0	2	0.07	0.9	44	12	8	21	4.04	1.72	20	18	0.87	600	2	0.02	6	0.13	16	11	0.13	131	101	
142	11475	5	0.2	4.44	11	440	0.9	2	0.11	1.4	42	13	12	15	5.08	1.17	19	11	0.57	3371	3	0.04	5	0.37	21	13	0.19	122	101	
143	10300N-11500W	5	0.4	5.32	5	636	1.1	2	0.12	1.2	41	12	7	17	4.12	1.97	18	15	0.85	1562	1	0.02	6	0.18	18	14	0.13	130	106	
144	10300N-11525W	5	1.0	5.18	16	623	1.0	2	0.09	1.3	40	12	8	18	4.60	1.86	15	13	0.63	1694	1	0.02	5	0.22	23	18	0.16	143	93	
145	11550	5	0.8	6.58	7	846	1.5	2	0.13	1.2	83	17	10	26	4.79	2.09	29	21	0.83	2505	1	0.02	6	0.20	23	15	0.14	159	109	
146	11575	5	0.4	6.29	13	849	1.4	2	0.10	1.4	112	22	4	45	4.45	2.41	24	19	0.87	3077	2	0.02	7	0.10	35	11	0.10	143	115	
147	11600	5	0.4	6.51	2	641	1.1	2	0.12	1.0	42	15	6	45	4.58	2.42	16	19	1.37	1030	1	0.02	6	0.12	13	7	0.18	151	101	
148	10300N-11625W	5	0.4	6.26	7	762	1.3	2	0.09	1.2	48	14	7	27	4.42	2.34	20	17	0.98	1588	1	0.02	5	0.16	23	10	0.11	145	102	
149	10300N-11650W	5	0.4	6.25	6	683	1.2	2	0.09	1.3	48	16	7	34	4.85	2.27	20	17	0.99	2451	1	0.03	6	0.23	25	15	0.11	147	119	
152	11675	5	0.2	7.29	2	736	1.4	2	0.11	1.6	52	22	6	32	4.91	2.49	22	21	1.27	1220	1	0.04	7	0.19	19	23	0.14	200	125	
153	11700	5	0.4	5.98	2	901	1.3	2	0.22	1.6	51	16	6	26	4.23	2.21	21	17	1.08	1291	1	0.03	6	0.20	32	17	0.14	168	135	
154	11725	5	0.2	7.56	2	714	1.4	2	0.09	1.4	60	19	3	41	4.61	2.63	26	22	1.23	823	1	0.02	6	0.12	18	10	0.12	184	121	
155	10300N-11750W	5	0.2	7.14	2	671	1.2	2	0.16	1.6	44	19	5	25	4.99	2.05	19	19	1.44	892	1	0.03	7	0.19	22	10	0.20	234	139	
156	10400N-10500W	5	0.2	5.41	2	1193	1.3	2	0.21	0.9	48	13	3	59	3.87	1.71	22	19	0.75	1133	1	0.03	6	0.10	17	13	0.08	100	85	
157	10550	5	0.4	5.26	2	1118	1.3	2	0.19	1.0	47	13	3	42	3.83	1.78	22	13	0.76	1168	1	0.03	6	0.10	18	12	0.08	102	86	
158	10575	5	0.4	5.38	2	1129	1.3	2	0.19	1.0	47	12	3	31	3.89	1.73	22	13	0.77	1043	1	0.03	6	0.09	18	11	0.08	103	85	
159	10625	5	0.2	5.21	2	1041	1.3	2	0.20	1.0	50	13	3	39	3.85	1.69	23	13	0.81	1042	1	0.03	6	0.10	20	13	0.07	105	91	
160	10400N-10650W	5	0.2	6.11	2	946	1.3	2	0.19	1.6	49	16	4	33	4.54	2.31	22	15	1.25	1523	1	0.05	8	0.08	19	17	0.09	150	100	
161	10400N-10675W	5	0.2	5.51	2	948	1.3	2	0.25	1.3	52	18	4	37	4.47	1.99	22	15	1.13	1869	1	0.03	5	0.11	21	19	0.09	140	82	
162	10700	5	0.4	5.76	7	917	1.4	2	0.17	1.5	57	20	5	39	4.74	2.02	24	16	1.15	2179	2	0.03	7	0.10	31	21	0.08	145	98	
163	10725	5	0.2	5.73	4	878	1.3	2	0.16	1.4	44	18	5	36	4.67	2.04	20	16	1.18	1542	1	0.04	7	0.08	25	22	0.09	143	96	
164	10750	40	0.2	6.11	13	716	1.8	2	0.11	1.5	73	17	6	37	4.91	1.49	29	19	0.90	1923	2	0.06	10	0.14	37	18	0.12	135	129	
165	10400N-10775W	5	0.2	5.14	4	773	1.4	2	0.07	0.8	64	10	3	21	3.29	1.41	23	11	0.59	1181	1	0.03	5	0.09	24	11	0.08	63	82	
166	10400N-10800W	5	0.2	5.39	2	674	1.4	2	0.08	0.8	61	11	4	29	3.67	1.63	23	13	0.56	1001	1	0.05	7	0.11	27	16	0.10	74	98	
167	10825	10	0.2	5.85	2	766	1.7	2	0.12	1.3	65	14	3	28	4.07	2.02	26	15	0.57	1671	2	0.07	8	0.10	33	24	0.10	84	111	
168	10850	5	0.2	5.82	2	724	1.5	2	0.09	1.0	64	11	3	27	3.78	1.94	31	14	0.48	904	1	0.04	7	0.11	34	20	0.10	76	113	
169	10875	5	0.2	5.00	4	614	1.3	2	0.06	1.1	60	11	4	25	3.97	1.42	23	17	0.62	1272	2	0.04	7	0.12	29	16	0.10	97	104	
170	10400N-10900W	5	0.2	5.03	4	729	1.4	2	0.06	1.1	65	14	3	32	3.84	1.48	23	17	0.68	2340	2	0.04	7	0.10	30	14	0.08	98	102	
171	10400N-10925W	5	0.2	5.66	2	738	1.1	2	0.04	0.7	41	9	8	22	3.65	1.82	20	13	0.61	799	1	0.03	5	0.16	23	10	0.09	95	79	

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	8008-039 Pg. 5 of 6
172	10400N-10950W	5	0.2	5.38	2	660	1.8	2	0.10	1.1	71	11	8	27	3.97	1.66	27	18	0.57	1423	2	0.07	8	0.14	31	16	0.13	88	98	
173	10975	5	0.2	4.92	3	562	1.4	2	0.05	0.8	63	11	6	28	3.83	1.08	24	16	0.48	1394	1	0.05	7	0.13	36	11	0.11	80	92	
174	11250	5	0.2	6.43	13	699	1.5	2	0.12	1.2	58	12	4	36	4.24	1.65	27	21	0.57	1162	2	0.04	6	0.13	90	20	0.10	133	105	
175	10400N-11275W	5	0.4	6.15	10	644	1.2	2	0.10	1.2	51	10	6	23	3.71	1.77	23	22	0.54	893	2	0.05	6	0.15	43	19	0.13	130	88	
176	10400N-11300W	5	0.4	6.19	6	648	1.3	2	0.03	1.2	46	13	3	27	4.36	1.82	20	18	0.70	988	5	0.03	5	0.12	42	11	0.10	120	105	
177	11325	5	0.2	5.89	7	541	1.1	2	0.13	0.9	55	10	6	21	3.99	1.72	24	18	0.69	605	2	0.06	8	0.14	39	23	0.17	127	92	
178	11350	5	0.2	5.36	6	416	1.6	2	0.11	1.4	69	8	9	23	4.65	1.28	31	16	0.58	632	4	0.07	6	0.16	34	14	0.16	102	101	
179	11375	5	0.2	5.32	10	525	1.9	2	0.12	1.7	84	17	4	33	4.92	1.67	27	17	1.03	2083	2	0.04	8	0.13	34	13	0.15	141	122	
180	10400N-11400W	5	0.2	5.40	10	473	1.2	2	0.15	1.4	65	14	5	26	4.20	1.43	23	16	0.95	1108	2	0.03	6	0.21	34	16	0.18	142	94	
181	10400N-11425W	5	0.4	4.88	6	408	0.9	2	0.11	0.7	51	6	18	18	3.12	1.33	23	18	0.51	258	1	0.05	7	0.20	34	22	0.21	112	69	
182	11450	5	0.4	4.57	5	364	0.8	2	0.07	1.5	38	9	7	19	4.55	0.90	17	12	0.60	1233	4	0.03	5	0.26	23	9	0.13	99	92	
183	11475	5	0.4	3.87	7	350	0.7	2	0.08	2.0	31	9	10	17	5.13	0.96	14	7	0.37	2371	3	0.03	6	0.39	25	13	0.18	108	83	
184	11500	5	0.2	6.16	4	697	1.3	2	0.07	1.4	64	16	3	32	4.52	2.13	20	16	1.10	2535	1	0.03	5	0.13	28	9	0.13	127	101	
185	10400N-11625W	5	0.2	5.66	12	865	1.2	2	0.29	1.7	43	17	4	24	4.81	2.02	18	14	1.20	2003	1	0.02	6	0.21	24	18	0.18	165	128	
186	10400N-11550W	5	0.2	5.58	3	766	1.0	2	0.09	1.5	41	12	4	19	4.47	1.77	18	12	0.82	1381	1	0.02	5	0.16	24	11	0.14	150	91	
187	11575	5	0.6	5.79	33	657	1.2	2	0.07	1.8	50	17	4	20	4.75	1.69	20	16	1.03	1775	1	0.02	6	0.15	34	11	0.16	165	115	
188	11600	5	0.4	6.63	8	882	1.4	3	0.33	1.8	68	17	5	43	4.82	2.32	20	19	1.36	1944	1	0.03	7	0.16	31	15	0.15	179	130	
189	11625	5	0.2	5.76	15	698	1.2	2	0.11	1.8	65	17	4	28	4.63	2.02	22	16	1.12	1983	2	0.02	6	0.13	33	12	0.14	155	115	
190	10400N-11650W	5	0.4	6.11	7	835	1.3	2	0.14	1.9	51	17	6	26	4.67	2.28	20	17	1.15	2121	1	0.02	7	0.14	32	11	0.13	163	117	
191	10400N-11675W	5	0.2	5.79	3	761	1.0	2	0.12	1.7	36	17	8	23	4.73	1.70	18	16	1.03	1903	1	0.03	6	0.13	26	12	0.14	191	94	
192	11700	5	0.8	6.62	10	810	1.2	2	0.17	1.9	44	19	14	34	4.82	2.14	18	21	1.28	2631	2	0.04	9	0.18	34	16	0.16	193	115	
193	11725	5	0.2	6.07	6	784	1.2	3	0.35	2.0	40	17	7	25	4.80	2.00	16	17	1.23	2566	1	0.03	7	0.29	31	14	0.17	190	123	
194	11750	5	0.4	6.22	16	624	1.0	2	0.11	1.9	38	18	6	27	4.84	1.94	18	18	1.28	1553	2	0.03	7	0.23	33	11	0.21	202	113	
195	10400N-11775W	5	0.2	4.86	4	664	1.0	2	0.34	1.6	41	18	7	19	3.99	1.37	17	15	1.09	1767	1	0.05	8	0.27	30	22	0.22	178	112	
196	10400N-11800W	5	0.2	5.87	7	650	1.0	2	0.14	1.8	36	17	6	22	4.44	1.82	17	16	1.22	871	1	0.03	8	0.27	32	16	0.21	200	116	
197	11825	5	0.2	5.18	14	637	1.0	2	0.15	2.3	52	19	5	30	4.95	1.47	20	19	1.23	1814	2	0.03	8	0.13	36	15	0.14	161	123	
198	11050	5	0.4	4.76	12	479	2.7	2	0.07	1.7	93	12	8	37	4.72	1.23	32	15	0.48	1692	3	0.08	8	0.17	39	11	0.12	72	125	
199	11075	5	0.2	4.70	8	356	1.3	2	0.06	1.4	50	9	8	23	4.18	0.95	23	13	0.37	930	2	0.05	4	0.18	29	6	0.08	57	81	
201	10400N-11100W	5	0.2	4.64	2	470	1.3	2	0.05	1.2	59	11	13	22	4.00	1.34	22	14	0.42	2297	3	0.03	5	0.19	24	9	0.10	82	74	
202	10400N-11125W	5	0.2	5.02	4	623	1.4	2	0.04	1.0	65	13	10	33	3.77	1.64	22	17	0.57	1793	2	0.02	5	0.11	31	7	0.08	90	91	
203	11150	5	0.2	5.23	2	718	1.6	2	0.07	1.5	75	15	9	49	4.46	1.70	29	18	0.66	3001	2	0.04	7	0.17	43	11	0.07	116	93	
204	11175	50	0.6	5.26	12	745	1.4	2	0.03	1.3	51	14	4	35	3.99	2.02	22	14	0.44	2153	2	0.04	5	0.11	226	11	0.05	90	128	
205	10400N-11200W	60	0.6	5.77	4	784	1.5	2	0.04	1.3	53	15	4	38	4.19	2.14	24	14	0.46	2184	2	0.04	6	0.11	251	12	0.06	85	135	
206	SILT 109104	5	0.2	4.75	13	850	1.2	2	0.40	0.8	52	10	5	16	3.63	1.84	22	16	0.75	839	1	0.03	7	0.10	23	47	0.11	99	99	
207	SILT 109105	5	0.4	4.44	35	1179	1.8	4	1.13	1.9	88	13	6	17	5.31	1.58	37	14	0.75	1774	2	0.04	8	0.19	20	172	0.23	99	115	
208	109106	5	0.2	5.10	42	714	1.4	2	0.49	0.7	60	9	8	14	3.49	1.80	27	23	0.69	675	1	0.04	12	0.11	23	77	0.10	80	100	
209	109107	5	0.4	4.42	53	560	1.5	2	0.29	1.0	51	7	3	14	2.78	2.04	23	10	0.48	1096	1	0.02	5	0.07	41	32	0.08	77	135	
210	109108	5	0.2	4.81	80	645	1.6	2	0.39	0.7	62	10	8	14	3.13	1.85	28	20	0.66	977	1	0.03	13	0.12	25	39	0.07	71	96	
211	SILT 109109	5	0.4	4.85	42	813	1.5	2	0.31	1.3	49	13	6	22	3.87	2.34	21	13	0.57	1799	1	0.02	5	0.09	42	40	0.08	116	169	

293 *Handwritten*

NORANDA VANCOUVER LABORATORY

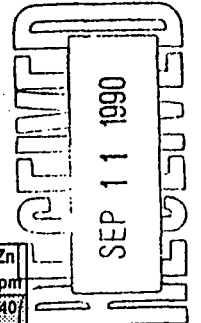
Geochemical Analysis

Copy to Mike + 2.

Project Name & No.: **KNIPPLE LAKE - 293 Geol.: M.S.**
 Material: **2 SILTS & 121 SOILS** Sheet: **1 of 3**
 Remarks:

Date rec'd: **AUG. 13** LAB CODE: **9008-045**
 Date compl: **SEP. 04**

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 PB3000 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 acid dissolution methods.



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 105076	45	0.6	5.65	31	884	1.5	2	0.41	1.2	59	13	5	20	3.98	2.01	25	23	0.85	1238	1	0.08	12	0.10	19	54	0.11	118	140
3	SILT 105077	5	0.8	4.58	11	598	1.4	2	0.25	1.0	47	11	3	12	3.59	2.15	19	18	0.53	1427	1	0.02	4	0.07	16	30	0.08	118	153
4	8700N-10000W	5	1.2	4.48	6	897	0.9	2	0.29	1.5	38	16	4	14	4.87	1.85	13	10	0.52	1844	1	0.01	4	0.15	10	15	0.10	161	102
5	10025	8	0.8	4.58	14	882	0.9	2	0.27	1.3	37	15	3	12	4.73	1.99	13	10	0.55	1691	1	0.02	3	0.15	12	14	0.10	168	93
6	8700N-10050W	20	2.8	4.71	23	852	1.0	2	0.21	1.5	58	17	3	22	4.80	1.88	24	14	0.68	1911	1	0.02	4	0.09	16	12	0.11	168	105
7	8700N-10075W	5	0.4	4.53	12	772	0.9	2	0.13	1.2	42	17	3	14	4.59	1.87	15	10	0.55	1958	1	0.01	3	0.12	17	9	0.11	164	92
8	10100	5	1.8	4.94	13	778	1.0	2	0.15	1.3	43	14	3	18	4.70	1.95	18	13	0.67	1552	1	0.02	4	0.11	13	11	0.11	178	102
9	10125	5	1.4	5.04	6	904	1.0	2	0.19	1.3	43	14	4	18	4.75	2.14	18	14	0.72	1311	1	0.02	4	0.11	11	12	0.10	181	105
10	10150	25	1.4	5.24	8	935	1.0	2	0.23	1.6	47	17	5	21	4.90	2.33	19	14	0.77	1788	1	0.02	5	0.11	10	13	0.10	188	109
11	8700N-10175W	5	1.4	5.09	22	754	1.4	2	0.15	1.8	43	15	5	24	4.83	1.98	22	15	0.75	1260	3	0.02	5	0.12	14	12	0.12	184	108
12	8700N-10200W	5	1.6	5.14	30	947	1.1	2	0.31	2.1	50	19	3	28	5.21	2.35	21	14	0.81	2125	2	0.02	5	0.12	14	18	0.12	182	118
13	10225	5	1.4	4.67	24	693	1.0	2	0.18	1.7	43	17	3	24	5.09	2.13	19	14	0.84	1590	1	0.02	5	0.09	10	14	0.12	168	108
14	10260	5	1.8	4.94	21	839	1.0	2	0.19	1.9	48	19	3	27	5.28	2.24	21	14	0.83	2505	2	0.02	7	0.10	13	17	0.13	178	118
15	10275	5	1.6	4.70	21	704	1.0	2	0.17	1.8	48	18	3	27	5.39	2.18	20	13	0.78	1927	1	0.02	5	0.10	10	13	0.13	175	110
16	8700N-10300W	5	1.4	4.90	34	947	1.0	2	0.24	2.1	49	20	3	29	5.24	2.00	20	13	0.79	2344	2	0.02	6	0.12	14	16	0.12	177	120
17	8700N-10325W	5	1.2	5.03	20	707	1.1	2	0.26	1.7	51	15	3	22	4.98	2.10	21	14	0.81	1529	1	0.02	5	0.13	7	16	0.12	176	99
18	10350	5	2.0	4.86	36	854	1.0	2	0.24	1.9	50	18	2	25	5.10	1.94	21	13	0.74	2198	1	0.02	4	0.11	15	15	0.12	177	112
19	10375	10	1.8	5.03	30	854	1.0	2	0.28	2.1	50	17	3	25	5.22	2.34	21	13	0.76	1942	2	0.02	4	0.12	14	17	0.12	179	112
20	10400	20	1.2	4.93	12	938	1.0	2	1.34	1.9	56	19	4	24	5.02	2.22	18	15	0.93	1762	1	0.02	4	0.11	16	34	0.10	179	124
21	8700N-10425W	5	1.2	4.81	16	1436	1.3	5	2.94	2.4	57	20	5	29	4.84	2.09	20	18	0.93	1541	4	0.03	7	0.11	16	79	0.11	177	114
22	8700N-10450W	10	1.2	5.03	9	881	1.1	2	0.83	2.0	63	19	4	27	5.05	2.25	21	19	1.20	2055	1	0.02	5	0.11	14	25	0.15	173	123
23	10475	25	1.2	4.50	13	626	0.9	2	0.45	2.0	45	17	3	25	5.41	2.05	19	17	1.11	1800	1	0.02	4	0.11	9	19	0.16	189	114
24	10500	5	1.0	3.79	15	578	0.7	2	0.10	1.2	31	12	6	13	4.47	1.27	14	8	0.38	2850	1	0.02	4	0.26	7	18	0.15	125	81
25	10525	5	4.2	4.34	15	335	1.2	2	0.09	1.2	74	8	7	14	4.42	0.77	26	11	0.29	1020	2	0.07	4	0.21	13	8	0.11	61	91
26	8700N-10650W	15	1.2	4.51	26	708	1.0	2	0.22	1.6	45	14	5	21	4.71	1.80	16	14	0.77	1573	1	0.02	4	0.14	14	16	0.14	149	99
27	8700N-10675W	10	1.0	4.51	13	461	0.9	2	0.18	1.5	37	15	5	16	4.82	1.75	15	14	0.93	1805	1	0.02	4	0.15	17	14	0.16	166	115
28	10700	5	1.4	3.04	7	839	0.6	2	0.43	1.9	32	16	6	16	3.47	1.31	10	8	0.36	4353	1	0.02	4	0.24	17	25	0.12	128	136
29	10725	10	2.4	3.19	15	564	0.6	2	0.43	1.2	30	9	7	14	3.49	1.46	10	8	0.43	1424	1	0.02	3	0.17	8	22	0.12	138	96
30	10750	5	2.6	4.02	26	819	0.9	2	0.28	1.9	37	14	9	16	4.20	1.54	12	10	0.55	3513	1	0.02	4	0.26	20	25	0.14	131	121
31	8700N-10775W	5	1.4	4.56	22	1114	1.4	2	0.18	1.9	37	18	8	22	4.26	1.86	18	14	0.64	3232	5	0.02	7	0.29	31	25	0.14	157	142
32	8700N-10800W	5	3.2	5.32	31	541	1.2	2	0.07	1.2	46	16	7	26	4.60	1.88	19	13	0.66	2683	3	0.02	5	0.29	37	18	0.14	157	99
33	10825	5	1.2	4.82	21	639	1.0	2	0.84	1.8	48	17	4	24	5.10	1.74	19	18	1.16	1852	3	0.02	5	0.11	24	27	0.17	175	124
34	10850	10	7.1	6.11	117	990	1.6	2	0.08	2.4	83	22	5	48	6.94	2.37	31	16	0.79	4021	5	0.02	7	0.13	53	32	0.11	163	134
35	10875	35	2.0	4.44	32	653	1.0	2	0.39	1.6	46	17	4	27	5.52	1.94	20	16	1.05	2056	2	0.02	5	0.11	29	24	0.17	171	117
36	8700N-10900W	5	2.0	4.56	13	672	1.0	2	0.42	1.8	43	16	5	28	5.27	1.81	20	18	1.13	1736	8	0.07	7	0.10	41	36	0.20	163	123

10/20/90 *Handwritten*

T.T. No.	SAMPLE No.	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Bb ppm	Bl ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Lj ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Tl %	V ppm	Zn ppm	8008-045 Pg. 2 of 3
37	8700N-10950W	8	0.8	4.88	11	771	1.0	2	0.28	1.4	39	13	4	18	4.73	2.18	15	14	1.03	1087	2	0.02	5	0.10	13	17	0.12	157	118	
38	8700N-10975W	20	0.8	4.87	14	909	1.0	2	0.37	2.1	48	15	5	29	4.81	1.88	20	15	1.03	1821	2	0.05	6	0.10	29	29	0.16	148	158	
39	10500N-10850W	6	0.6	5.53	6	641	1.7	2	0.27	1.3	70	18	12	38	4.88	1.75	27	19	0.97	1139	4	0.04	12	0.11	30	89	0.12	137	113	
40	10875	8	0.6	5.89	8	796	1.8	2	0.31	1.8	78	15	10	39	4.73	1.74	38	21	1.09	2108	3	0.08	13	0.11	27	57	0.14	144	120	
41	10500N-10700W	5	0.6	5.98	13	1019	1.9	3	0.31	1.7	88	18	9	41	4.67	1.81	43	23	0.95	1589	6	0.04	15	0.10	34	87	0.14	130	133	
42	10500N-10725W	5	0.4	6.09	10	632	1.4	2	0.17	1.0	75	15	5	24	4.82	1.77	25	21	0.89	1488	8	0.09	8	0.10	29	25	0.14	119	118	
43	10750	5	0.4	5.50	5	574	1.8	3	0.17	1.3	84	14	9	33	5.08	1.44	33	26	0.78	1603	4	0.07	13	0.15	24	42	0.14	124	127	
44	10775	10	0.6	5.96	3	838	1.5	2	0.09	1.2	81	18	6	35	5.13	1.97	23	21	0.89	2434	3	0.04	13	0.11	19	18	0.12	120	121	
45	10800	10	0.4	5.92	2	822	1.3	2	0.15	1.1	54	15	4	24	4.82	1.98	20	19	0.83	2057	2	0.07	8	0.12	18	24	0.13	111	105	
46	10500N-10825W	10	0.6	5.84	6	745	1.7	2	0.08	1.1	78	13	4	29	4.31	1.55	26	16	0.88	1995	4	0.06	9	0.12	39	15	0.11	103	112	
47	10500N-10875W	5	0.4	5.13	6	692	1.7	2	0.05	0.9	85	10	4	29	3.85	1.58	27	13	0.55	1710	3	0.04	5	0.11	32	7	0.08	71	89	
48	10900	5	0.6	4.88	2	578	1.1	2	0.04	0.7	53	10	7	23	3.97	1.34	18	16	0.52	1421	3	0.03	6	0.15	16	8	0.10	74	78	
49	10925	6	0.4	4.93	2	661	1.0	2	0.04	0.9	41	7	8	33	4.19	1.78	17	10	0.38	1480	3	0.02	3	0.24	21	11	0.07	78	79	
51	10950	5	0.4	5.27	8	640	1.8	2	0.03	1.6	52	12	7	36	4.55	1.40	25	17	0.44	1651	7	0.02	7	0.28	29	10	0.07	81	89	
52	10500N-10975W	5	0.6	5.32	2	555	1.2	2	0.02	0.8	54	14	5	43	4.45	1.34	21	14	0.40	3182	4	0.03	4	0.21	13	7	0.09	81	77	
53	10500N-11000W	5	0.4	5.07	2	607	1.3	2	0.04	1.5	43	17	6	31	5.15	1.41	17	17	0.39	4200	3	0.02	6	0.28	20	10	0.10	94	108	
54	11025	5	0.6	5.10	2	721	1.2	2	0.04	0.7	58	15	4	42	4.00	1.70	20	14	0.48	1121	2	0.02	5	0.35	26	9	0.08	91	84	
55	11050	5	0.6	4.70	2	439	0.9	2	0.07	1.1	39	9	11	19	4.43	1.09	18	9	0.30	3438	4	0.04	8	0.25	12	15	0.17	92	74	
56	11075	5	0.4	5.82	3	602	1.1	2	0.02	1.3	41	11	4	30	5.05	1.57	18	19	0.53	1353	3	0.02	4	0.17	18	7	0.08	89	100	
57	10500N-11100W	5	0.6	5.25	2	605	0.9	2	0.03	1.0	38	10	5	23	4.85	1.53	15	13	0.43	2796	3	0.02	4	0.28	16	8	0.08	92	88	
58	10500N-11125W	5	0.4	5.41	2	695	1.0	2	0.02	1.3	39	12	4	26	5.04	1.75	18	14	0.42	2310	3	0.02	4	0.27	16	8	0.08	101	79	
59	11150	5	0.4	6.17	2	746	1.1	2	0.02	1.0	41	9	4	25	4.40	1.85	18	14	0.50	1925	3	0.02	4	0.21	16	7	0.08	101	75	
60	11175	5	0.4	7.18	2	786	1.3	2	0.02	0.9	43	12	4	41	4.39	2.19	17	20	0.82	1785	3	0.02	4	0.19	29	7	0.07	99	86	
61	11200	5	0.6	6.77	2	743	1.6	2	0.06	1.2	56	17	4	28	3.98	2.27	26	22	0.45	2118	5	0.04	8	0.16	33	30	0.09	112	72	
62	10500N-11250W	5	0.4	6.45	5	650	1.4	2	0.10	1.5	64	27	4	39	5.78	1.83	26	32	0.50	2696	4	0.06	12	0.14	22	26	0.09	193	121	
63	10500N-11275W	5	1.2	6.89	2	540	1.1	2	0.03	1.6	39	11	4	26	5.50	1.94	17	21	0.43	1583	6	0.02	5	0.27	46	17	0.08	141	105	
64	11300	5	1.4	7.47	2	574	1.1	2	0.03	0.6	47	9	3	20	3.22	2.30	22	20	0.41	1384	7	0.04	4	0.18	160	32	0.10	113	60	
65	11325	5	0.4	5.83	2	455	1.2	2	0.08	1.0	42	9	10	22	4.40	1.23	18	17	0.46	1398	9	0.03	4	0.22	8	18	0.18	131	91	
66	11350	5	0.6	5.84	3	490	0.9	2	0.05	1.0	35	8	6	22	4.99	1.58	17	15	0.81	677	3	0.02	4	0.25	8	11	0.14	141	90	
67	10500N-11375W	5	0.4	5.91	2	517	1.0	2	0.05	1.6	35	12	7	22	5.75	1.82	17	15	0.69	2144	2	0.02	5	0.21	10	12	0.17	158	95	
68	10500N-11400W	5	0.6	5.71	2	588	2.4	2	0.16	1.2	109	14	5	29	4.72	1.69	29	20	0.97	1808	2	0.04	6	0.13	15	12	0.15	134	113	
69	11425	5	0.6	5.82	3	498	1.8	2	0.11	1.1	83	12	8	25	4.82	1.75	26	18	0.88	1126	2	0.06	7	0.15	12	11	0.20	143	108	
70	11450	5	0.6	5.58	2	503	1.8	2	0.15	1.1	81	12	10	31	4.78	1.83	29	19	0.98	1857	2	0.06	7	0.15	11	15	0.21	135	118	
71	11475	5	0.4	5.33	6	588	1.8	2	0.10	1.3	82	14	13	41	3.59	1.73	27	19	0.78	1439	5	0.02	8	0.17	15	16	0.16	149	79	
72	10500N-11500W	5	0.4	5.55	4	492	1.9	2	0.09	1.4	79	15	10	24	4.91	1.80	30	19	1.01	1391	3	0.05	7	0.12	11	8	0.16	128	105	
73	10500N-11525W	5	0.6	6.08	2	528	1.3	2	0.14	1.4	58	15	7	28	4.84	1.90	23	20	1.19	1147	3	0.04	7	0.14	8	12	0.17	148	103	
74	11550	5	0.6	5.05	7	344	0.9	2	0.08	1.3	50	8	14	18	5.03	1.17	23	13	0.82	907	4	0.05	5	0.17	15	10	0.20	124	75	
75	11575	5	1.0	4.02	5	572	0.9	2	0.16	0.9	40	9	7	15	3.85	1.57	15	8	0.53	1333	1	0.02	4	0.27	8	12	0.11	126	75	
76	11600	5	0.8	5.70	14	595	1.1	2	0.08	1.2	49	15	7	21	4.47	1.87	18	18	0.91	1585	1	0.02	6	0.16	15	12	0.14	149	96	
77	10500N-11625W	5	0.8	5.80	8	614	1.2	2	0.18	1.8	48	17	7	27	4.83	1.89	22	19	1.28	1752	2	0.03	9	0.15	10	15	0.22	175	117	
78	10500N-11650W	5	0.6	6.20	11	641	1.2	2	0.07	2.1	49	19	7	39	6.19	1.83	19	26	0.96	2631	4	0.02	6	0.24	17	11	0.13	137	148	
79	11675	5	0.4	5.75	2	971	1.0	2	0.39	1.5	39	18	8	19	4.91	1.98	16	15	1.00	2351	2	0.02	6	0.23	10	20	0.18	205	115	
80	11700	5	1.2	6.25	39	836	1.1	2	0.14	1.7	41	15	8	25	5.34	1.97	17	17	1.02	1201	3	0.02	6	0.17	14	12	0.17	204	99	
81	10500N-11725W	5	0.6	5.85	7	777	1.9	2	0.22	2.0	54	24	11	33	4.85	1.89	24	22	1.25	3206	6	0.03	10	0.30	18	18	0.17	189	121	

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	9008-045 Pg. 3 of 3
82	10500N-11775W	5	0.8	7.01	4	794	1.4	2	0.09	1.8	47	19	9	33	5.49	2.10	19	23	1.20	2292	4	0.03	8	0.21	19	12	0.12	215	115	
83	10500N-11800W	5	0.6	6.01	6	899	1.2	2	0.09	1.6	41	17	6	23	4.99	1.85	18	20	1.12	1718	2	0.02	7	0.21	9	11	0.12	184	115	
84	11825	5	0.6	5.17	3	518	1.2	2	0.12	1.9	70	16	6	31	4.93	1.28	20	20	1.09	2479	2	0.03	7	0.16	27	9	0.13	154	144	
85	11850	5	0.6	5.15	5	738	1.1	2	0.15	1.9	38	17	6	17	5.59	1.53	16	18	0.82	3688	3	0.02	5	0.30	108	12	0.18	183	197	
86	10500N-11875W	5	0.8	5.91	5	843	1.1	2	0.10	2.0	45	17	5	28	5.54	1.73	21	21	1.22	2064	3	0.02	6	0.24	147	8	0.18	187	278	
87	10600N-10850W	5	1.2	4.77	8	459	1.6	2	0.12	0.9	79	10	8	35	4.13	1.48	31	15	0.57	598	4	0.11	12	0.11	50	22	0.14	90	158	
88	10600N-10675W	5	0.6	5.24	6	570	1.6	2	0.10	0.7	78	12	5	27	3.71	1.59	29	18	0.61	648	4	0.08	9	0.10	25	18	0.13	99	127	
89	10700	5	0.6	5.86	8	734	1.7	2	0.20	1.3	72	16	4	26	4.89	1.55	30	21	0.84	2344	3	0.03	9	0.12	23	48	0.11	182	113	
90	10725	5	0.6	5.71	7	580	1.5	2	0.35	1.9	64	16	11	29	5.35	1.41	28	27	0.85	1787	4	0.05	13	0.17	16	122	0.16	166	123	
91	10750	5	0.4	5.32	13	621	1.6	4	0.11	1.7	56	15	10	26	4.87	1.32	25	20	0.70	1969	9	0.06	10	0.20	20	29	0.17	135	95	
92	10600N-10775W	5	0.2	5.63	8	736	1.3	2	0.06	1.0	48	12	5	20	4.00	1.69	21	18	0.61	2067	4	0.03	7	0.13	29	16	0.12	124	93	
93	10600N-10800W	5	0.2	6.15	2	973	1.3	2	0.06	1.1	52	14	4	21	4.27	2.19	21	18	0.71	2665	2	0.04	7	0.17	16	13	0.11	117	94	
94	10825	5	0.2	4.53	5	383	2.4	2	0.10	1.1	134	5	8	15	4.52	0.71	39	12	0.25	1723	4	0.13	7	0.12	25	6	0.12	36	126	
95	10850	5	0.2	5.86	9	1115	1.4	2	0.12	0.8	59	9	6	16	3.58	2.01	26	16	0.63	1520	9	0.03	8	0.16	24	17	0.12	82	94	
96	10900	5	0.4	5.03	4	610	1.0	2	0.05	0.4	54	6	7	16	3.39	1.49	24	12	0.40	1082	4	0.05	5	0.15	32	12	0.15	77	73	
97	10800N-10925W	5	0.2	6.10	3	734	1.3	2	0.05	1.2	52	13	7	25	4.93	1.84	22	17	0.55	1948	3	0.03	7	0.25	19	10	0.13	95	100	
98	10800N-10975W	5	0.2	5.59	2	974	1.2	2	0.06	0.9	51	9	5	36	3.37	1.92	20	15	0.58	1291	4	0.03	5	0.14	31	10	0.09	100	73	
99	11025	5	0.4	3.57	2	869	0.8	2	0.28	1.1	35	10	15	20	3.35	1.05	14	7	0.27	2802	2	0.03	5	0.50	24	26	0.15	88	87	
101	11050	5	0.4	6.39	2	612	1.3	2	0.05	0.9	41	8	7	25	2.83	1.47	22	15	0.46	687	5	0.03	5	0.15	19	15	0.11	111	63	
102	11075	5	0.2	8.27	14	776	1.8	2	0.02	1.5	76	20	3	67	5.47	2.11	24	28	0.67	1798	4	0.03	6	0.10	29	10	0.07	123	125	
103	10600N-11175W	5	0.4	6.48	3	740	1.9	2	0.07	1.1	82	12	4	49	4.69	1.81	28	18	0.61	1433	3	0.07	8	0.12	30	11	0.11	81	134	
104	10800N-11200W	5	0.4	8.29	7	698	1.9	2	0.06	1.1	70	12	4	46	4.66	1.85	26	18	0.61	1546	3	0.06	7	0.11	35	11	0.10	83	131	
105	11225	5	0.2	6.12	6	878	1.5	2	0.04	0.8	81	14	2	41	4.04	2.06	21	26	0.62	1884	9	0.03	6	0.12	33	12	0.08	101	95	
106	11250	5	0.8	6.48	33	678	1.6	2	0.03	1.6	92	20	3	46	5.28	2.15	22	32	0.52	3048	10	0.03	7	0.18	40	22	0.08	154	111	
107	11275	5	1.2	6.27	28	884	1.6	2	0.10	1.3	58	21	3	48	4.92	1.97	23	39	0.48	2448	11	0.05	8	0.09	46	40	0.08	179	99	
108	10600N-11300W	5	0.6	5.43	5	460	1.4	2	0.11	0.7	64	10	10	22	4.00	1.38	29	19	0.50	1136	3	0.08	7	0.15	17	18	0.17	129	104	
109	10600N-11325W	5	0.2	6.66	2	651	1.2	2	0.08	1.3	60	16	6	26	5.15	2.16	21	24	0.80	2043	3	0.04	8	0.16	18	17	0.13	189	125	
110	11350	5	0.8	5.80	16	631	1.8	2	0.12	1.4	79	17	6	37	5.04	1.81	26	18	0.88	2422	4	0.06	8	0.14	31	19	0.13	143	139	
111	11375	5	0.4	4.78	16	499	2.2	2	0.12	1.4	73	12	10	31	4.11	1.17	34	20	0.68	1179	5	0.07	12	0.16	23	20	0.18	123	116	
112	11400	5	0.2	5.27	11	439	1.9	2	0.10	1.1	82	12	8	26	4.11	1.25	28	19	0.65	768	4	0.06	7	0.15	24	18	0.15	117	105	
113	10600N-11450W	5	0.2	4.97	4	438	1.6	2	0.16	1.1	91	10	7	23	4.33	1.23	30	17	0.73	996	3	0.07	7	0.14	18	27	0.17	101	110	
114	10800N-11475W	5	0.2	4.91	10	418	1.4	2	0.13	0.9	84	11	8	34	4.20	1.38	28	19	0.82	764	2	0.08	10	0.17	21	18	0.17	107	119	
115	11500	5	0.4	5.83	7	574	1.9	2	0.13	1.2	89	16	7	34	4.83	1.48	27	21	1.07	2466	3	0.05	9	0.17	17	13	0.17	143	116	
116	11525	5	0.4	5.30	4	386	1.2	2	0.10	0.8	56	10	9	19	4.10	1.27	24	16	0.75	533	9	0.06	7	0.15	17	13	0.19	120	86	
117	11550	5	0.2	5.49	6	456	1.5	2	0.13	1.0	86	14	9	31	4.45	1.81	26	19	1.04	1083	2	0.07	9	0.15	14	14	0.18	137	108	
118	10600N-11575W	5	0.2	6.89	2	709	1.6	2	0.10	1.2	77	18	5	32	4.58	2.29	22	22	1.19	2400	2	0.04	7	0.18	17	11	0.14	188	106	
119	10600N-11600W	5	0.2	6.83	2	662	1.6	2	0.08	1.2	86	16	5	32	4.62	2.20	22	22	1.12	2594	2	0.04	7	0.17	17	10	0.14	166	113	
120	11625	5	0.2	5.33	9	493	1.2	2	0.19	1.0	52	13	12	25	4.47	1.53	23	22	0.99	860	2	0.08	9	0.15	13	23	0.18	143	98	
121	11650	5	0.2	4.86	9	413	1.6	2	0.10	1.3	82	13	18	30	4.33	1.26	27	22	0.85	925	5	0.05	10	0.15	18	18	0.15	132	102	
122	11675	5	0.8	5.48	15	667	1.6	2	0.33	1.4	64	13	11	29	4.22	1.73	24	24	1.09	1651	3	0.03	8	0.18	15	20	0.11	151	138	
123	11700	5	0.4	4.62	2	447	0.7	2	0.08	1.3	32	8	13	14	4.92	1.39	15	10	0.63	968	2	0.02	5	0.27	10	12	0.15	172	66	
124	11725	5	0.8	4.78	5	456	0.8	2	0.11	0.9	39	9	14	12	3.46	1.33	18	14	0.67	859	1	0.04	6	0.16	46	19	0.20	156	78	
125	11750	5	0.4	6.05	38	517	0.7	2	0.11	1.3	33	9	9	17	5.18	1.36	16	13	0.86	511	13	0.03	6	0.12	25	16	0.18	190	86	
126	10600N-11775W	5	0.6	3.89	5	419	0.6	2	0.18	1.0	33	6	13	15	4.23	1.10	15	7	0.48	1322	1	0.04	5	0.18	15	21	0.20	156	49	

APPENDIX VI

ROCK SAMPLE DESCRIPTIONS

PROPERTY KNIPPLE

N.T.S. 104 195

DATE JULY 22 1990

ROCK SAMPLE REPORT

PROJECT 293

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 type="checkbox"/> G <input type="checkbox"/> A	<input type="checkbox"/> G <input type="checkbox"/> A	SAMPLED BY
					Au	Ag	Pb	Cu	Zn	As	Sb	
36481	3% PYRITE DISSMINATED 2% SPHALERITE QUARTZ COARSE BOULDER 780 N, 5ME	5	FLUAT	-	620 ppb	10.3 ppm	6240 ppm	2166 ppm	21675 ppm	156 ppm	11 ppm	GD ↓
36482	2% PYRITE, 1% SPHALERITE COARSE BOULDER QUARTZ 775 N, 8 m W.	3	FLUAT	-	34	2.4	250	626	87	90	3	
36483	3% PYRITE DISSMINATED 2% SPHALERITE QUARTZ BOULDER 765 N, 7M W	5	FLUAT	-	1680	5.3	9650	1210	27037	81	2	
36484	2% PYRITE, 1.5% SPHALERITE COARSE QUARTZ BOULDER 760 N, 10M W.	3.5	FLUAT	-	42700 1.25	11.2	6119	263	27087	191	4	
36485	3% DISSMINATED PYRITE, 3% SPHALERITE, 1% GALENA COARSE QUARTZ/CARBONATE BOULDER 755 N, 10M W.	7	FLUAT	-	5750 0.168	2.9	2551	141	6735	11	2	

PROPERTY Knippsle

N.T.S. 104 A5

DATE July 20, 1990

ROCK SAMPLE REPORT

PROJECT 293

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	SAMPLED BY
					□	□	□	□	□	□	□	□	
					Au	Ag	Cu	Pb	Zn	As	Sb		
105125	Located a couple of kms south of the peak at the north end of the ridge. The rock is a barren quartz vein with minor carbonate. The fine-grained green host rock is brecciated by the veining	0	float	-	280	0.4	8	77	315	4	2		
					ppb	ppm	ppm	ppm	ppm	ppm	ppm		
105149	rusty quartz veining in a fine-grained, green host rock. Minor sulphides in host rock	minor	float	-	84	5.6	23	54	95	327	15		
105150	1% pyrite disseminated in a rusty quartz boulder	1%	float	-	49	1.5	12	17	27	48	4		
105176	Located near peak at north end of ridge. 2m wide zone of barren quartz veining in a fine-grained green host rock. Approximate attitude of veining 030/20°E	0	chip	2m	1	.1	4	4	126	2	2		

PROPERTY Kinross

N.T.S. 104 A5

DATE July 20, 1990

ROCK SAMPLE REPORT

PROJECT 293

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	Ag	Cu	Pb	Zn	As	Sb				
105178	Chip sample across the rustiest 5m of a 20m zone of pervasive quartz veining. Host rock is light-grey and very siliceous. Trend of veining: east-west	minor	chip	5m	25	0.8	7	25	23	33	2				
					ppb	ppm	ppm	ppm	ppm	ppm	ppm				
105179	Located a couple kms south of peak at north end. The rock is a light-grey siliceously altered rock with 3% pyrite. The rock has chloritically altered hornblende phenocrysts	3%	float	-	20	1.4	19	29	42	11	2				
105180	Light-grey siliceously altered rock with 10% pyrite mainly in fractures. There is also chlorite veining.	10%	float	-	8	1.3	15	22	24	27	2				

PROPERTY

Knipale

N.T.S.

104 A-5

DATE

July 26, 1990

PROJECT

293

ROCK SAMPLE REPORT

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	Ag	Cu	Pb	Zn	As	Sb	
105184	12% sphalerite, 3% galena, 4% pyrite in quartz/carbonate veins with chlorite. 630N, east 15m	19	float	-	2650	9.2	1500	24177	24930	241	9	G V
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	V
105185	5% sphalerite, 2% galena, 3% pyrite in quartz/carbonate veins with chlorite, 550N, 30m east.	10	float	-	7030	12.5	2830	12777	47086	67	4	
105186	1% chalcocite, 1% galena, 2% pyrite in a brecciated, quartz veined fine-grained green rock. 558N, 30m east.	4	float	-	70	7.7	3383	2186	8301	183	6	
105187	rusty alteration of felsic parahyptic andesite located on the north side of the glacial lake at the south end of the property.	minor	chip	5m	1	0.1	5	11	6	2	2	

PROPERTY Knipole

N.T.S. 104 A 5

DATE August 2, 1990

ROCK SAMPLE REPORT

PROJECT 293

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	Ag	Cu	Pb	Zn	As	Sb						
105194	Barren horizontal quartz veins in a lithic, lsilli ^{stuff} grid co-ordinate 10605N, 10980W.	∅	grab	10cm	1	0.1	18	7	58	2	2						Grabe. V
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm					↓
105195	Notworking of barren quartz/chlorite veins in a feldspar porphyritic 10505N, 10620W.	∅	grab	20cm	2	0.1	4	13	23	3	2						
105196	2% pyrite in fractures. The host rock is a dark green (chlorite altered) dacite with minor quartz veins. Sample taken in a 10m wide zone with rusty weathering	2%	grab		4	0.2	14	14	56	14	5						

N.T.S. 104 A5

PROPERTY Knipple Lake

DATE July 20

ROCK SAMPLE REPORT

PROJECT 293

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	Ag	Cu	Pb	Zn	As	Sb				
105299	Quartz Vein in rubble no visible mineralization etc	—	Grab		6	0.8	15	133	21	7	4				B Fyke
					ppb	ppm	ppm	ppm	ppm	ppm	ppm				↓
105300	Quartz Carbonate boulder 70cm x 60cm x 50cm rusty and very close to in place. No visible mineralization	—	float		4	0.2	33	7	60	2	2				
128521 1053	Multiple quartz veins, up to 1 foot wide in a 2 meter wide zone. Some Hematite present no visible sulphides	—	Grab		4	0.2	4	29	112	17	2				
128522	Qtz vein 1" wide no visible sulphides	—	Grab		23	0.2	6	39	98	2	2				
128523	Carbonate vein 2% pyrite trace galena. 1 foot width strike 53° dip 70°N	2	Grab		20	0.1	8	56	175	2	2				
128524	Qtz veining in 20 meter wide zone. Trace galena	—	Grab		3	0.1	11	14	24	2	2				
128525	Qtz vein. 1 foot width. rusty				51	0.3	29	59	382	9	2				

PROPERTY Knipole

N.T.S. 104 A5

DATE July 22, 1990

ROCK SAMPLE REPORT

PROJECT 293

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	Ag	Cu	Pb	Zn	As	Sb							
109031	1% sphalerite in a qtz veined, fine-grained to phyllitic green host rock. Located on map grid: 880 N, 12.5m east of "line".	1	float	-	500		8.5		7		811		223		3		2	GLW ↓
					ppb		ppm		ppm		ppm		ppm		ppm		ppm	
109032	2% chalcopyrite 1% pyrite 6% sphalerite 2% galena in a quartz/carbonate vein boulder. 880 N, 22.5m east.	11	float	-	420		4.9		865		5952		14827		338		16	
109033	4% pyrite in a green plagioclase porphyry. 871 N, 28.5m east.	4	float	-	10		0.5		37		129		299		7		2	
109034	2% pyrite disseminated in a green-grey plagioclase porphyry. 871 N, 28.5m east				2		0.3		10		8		83		8		2	
109035	4% sphalerite, 2% pyrite in a quartz/carbonate vein. 862.5 N, 29m east.	6	float	-	270		8.0		1034		17749		30148		41		5	
109036	20% sphalerite, 2% galena, 4% pyrite 2% chalcopyrite in quartz/carbonate veins with chlorite alteration	28	float	-	2050		5.9		709		7704		30148		41		2	

PROPERTY Vinipile

N.T.S. 104 A5

DATE July 22, 1990

ROCK SAMPLE REPORT

PROJECT 293

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	SAMPLED BY
					Au	Ag	Cu	Pb	Zn	As	Sb		
109037	4% pyrite, 5% sphalerite in quartz carbonate veins with chlorite alteration. 860N, 20m east.	9	float	-	11200 0.327 ppb	10.5	853	12477	36228	107	20	GW ↓	
109038	7% sphalerite, 2% pyrite in quartz carbonate vein with chlorite alteration. 853N, 11m east.	9	float	-	27400 0.799	10.9	748	8513	14276	55	3		
109039	3% pyrite, 1% sphalerite in a siliceous light grey rock with quartz veinlets. 852.5N, 20m east.	4	float	-	132	1.0	30	278	1137	119	2		
109040	description same as 109039 851N, 28m east	4	float	-	320	0.4	28	175	334	9	2		
109041	2% pyrite in an argillically altered feldspar porphyry. 852.5N, 50m east.	2	float	-	21	0.4	15	100	50	11	3		
109042	5% sphalerite, 1% pyrite in a quartz carbonate vein with chlorite alteration. 825N, 8m east.	6	float	-	6980 0.204	6.5	680	6730	21184	277	7		

N.T.S. 104 A5

PROPERTY Knipole

DATE July 22, 1990

ROCK SAMPLE REPORT

PROJECT 293

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	Ag	Cu	Pb	Zn	As	Sb		
109043	1% pyrite, 1% chalcocopyrite, 4% sphalerite in a quartz vein with chlorite alteration. 839N, 20m east.	6	float	-	590	8.4	2537	3755	8960	269	5		GW ↓
					ppb	ppm	ppm	ppm	ppm	ppm	ppm		
109044	2% pyrite, 1% chalcocopyrite, 1% sphalerite in a chlorite altered quartz/carbonate boulder. 819N, 13m east.	4	float	-	53	3.3	959	1131	2805	53	4		
109045	7% galena, 3% sphalerite 3% pyrite, minor chalcocopyrite chlorite altered quartz/carbonate boulder. 800N, 31m east.	13	float	-	17500	10.2	593	10036	30775	443	13		
109046	7% sphalerite, 7% pyrite in a chlorite altered quartz/carbonate boulder 795N, 17.5m east.	9	float	-	4110	3.1	406	2221	10901	53	4		
109047	10% sphalerite, 3% galena, 3% pyrite chlorite altered qtz/carb boulder 795N, 10m east.	16	float	-	24	8.0	1657	10927	39800	143	5		

PROPERTY Kriipik

N.T.S. 10445

DATE July 22, 1990

ROCK SAMPLE REPORT

PROJECT 293

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	Ag	Cu	Pb	Zn	As	Sb				
109048	3% pyrite finely disseminated in a light grey, siliceous rock with quartz/carbonate veinlets. 789N, 18.5 east.	3	float	-	63	1.4	20	64	210	215	3				G-W ↓
					ppb	ppm	ppm	ppm	ppm	ppm	ppm				
109049	4.7% sphalerite, minor pyrite coarsely disseminated in a coarse quartz boulder. 772N, 7 east.	4	float	-	350	2.7	192	5346	18309	35	4				
109050	4% sphalerite 3% galena 4% pyrite, 1% chalcocite minor malachite in a quartz/carbonate boulder. 768N, 7 east.	12	float	-	2360	5.5	3594	8949	24740	52	4				
109101	4% sphalerite, 1% pyrite minor chalcocite in a coarse quartz boulder. 765N, 7 east.	5	float	-	9560	6.2	210	2796	18451	14	3				
					0.250										

PROPERTY

Knipple

N.T.S.

104A5

DATE

July 22, 1990

ROCK SAMPLE REPORT

PROJECT

293

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 ^T
					Ag	Au	Cu	Pb	Zn	As	Sb						
109102	30% galena, 20% sphalerite 1% pyrite coarsely disseminated in a coarse quartz boulder, 744N, 5m east.	51	float	-	6450		36.2		1636		23597		99999		122	2	G.W. ↓
					0.188		ppm		ppm		ppm		ppm		ppm	ppm	
					13640		14.5		664		20736		86161		359	2	
109103	15% sphalerite, 15% galena coarsely disseminated in a coarse quartz boulder, 672N, 40m east.	30	float	-	0.398												
125031	1% PYRITE DISSEMINATED, 2% SPHALERITE - COARSE QUARTZ BOULDER, 1000N, 5M W.	3	FLOAT	-	26		0.5		9		26		46		208	6	G. de Rome ↓
125032	.5% PYRITE - 2.5% SPHALERITE QUARTZ BOULDER 990N, 15M W.	3	FLOAT	-	75		19.4		4261		24950		38595		425	29	
125033	.5% PYRITE - 3% SPHALERITE 2% GALENA - QUARTZ / CARBONATE BOULDER, 975N, 5M W.	5.5	FLOAT	-	2650		5.9		1741		6281		16737		62	4	
125034	2% PYRITE COARSELY DISSEMINATED 4% SPHALERITE, 1% GALENA COARSE QUARTZ BOULDER, 970N	7	FLOAT	-	4560		3.9		1512		3120		14942		80	2	
					0.133												

N.T.S. 104 A/5

PROPERTY KNIPPLE LAKE

DATE JULY 20/90

ROCK SAMPLE REPORT

PROJECT 293

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	SAMPLED BY
					Au	Ag	Cu	Pb	Zn	As	Sb		
109626	Coarse Milky white quartz in green silicified wall vs fragments Subangular boulder, 1m diameter lots of similar rocks in area	-	Float	-	40	.3	21	263	525	4	2	MS.	
					ppb	ppm	ppm	ppm	ppm	ppm	ppm		
109627	Quartz vein, branching anastomosing 0.3m wide, in green chlorite volcanic. @ 140/30 SW	-	chip	0.3	14	.4	5	49	133	2	3	"	
109628	As above, minor coarse calcite	-	chip	0.9	10	.1	1	299	230	2	2	"	
109629	Qtz boulder, minor py, silicified fragments, 1m diameter angular float.	<1	Float	-	200	6.0	34	144	37	466	17	"	
109630	Rusty weathered qtz vein 0.5m diameter.	-	"	-	1260	6.1	26	548	153	25	7	"	
109631	As above, minor py	<1	"	-	9	.4	10	44	74	7	2	"	
095598	Rusty qtz boulder, angular, 1m diameter	-	"	-	390	1.7	21	204	431	163	6	"	
109634	Large, coarse milky white qtz boulder, some recrystallized green fragments 2 x 2 x 3m	-	"	-	65	27.7	19	51	105	88	11	"	
109103	Float bldr 30 cm diam sub round/ang. 40m E of "blue line" 672N - high grade	40	"	-	13640	14.5	664	20736	86161	359	2	"	

N.T.S. 104 A5
 DATE JULY 22, 1990
 PROJECT 293

PROPERTY KNIPPLE

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	SAMPLED BY
					Aw	Ag	Cu	Pb	Zn	As	Sb		
125035	1% PYRITE DISSEMINATED, 3% SPHALERITE - COARSE QUARTZ BOULDER 950 N, 5 M W	4	FLOAT	-	1920	7.9	612	5618	17557	428	25		GD ↓
					ppb	PPM	PPM	PPM	PPM	PPM	PPM		
125036	1.5% PYRITE - 2.5% SPHALERITE 1% GALENA - QUARTZ BOULDER 945 N, 2.5 M W.	5	FLOAT	-	1340	3.0	1171	3716	13072	38	3		
125037	.5% PYRITE, 15% SPHALERITE COARSE QUARTZ BOULDER 947 N 2.5 E.	2	FLOAT	-	1020	1.4	204	821	3264	25	2		
125038	3% SPHALERITE, 1% GALENA FINELY DISSEMINATED .5% PYRITE, 900 N, 20 M E.	4.5	FLOAT	-	2130	5.8	524	4789	12480	79	7		
125039	2% SPHALERITE, .5% PYRITE COARSE QUARTZ BOULDER, 883 N, 15 M E.	2.5	FLOAT	-	5290	4.8	934	3055	20373	257	6		
					0.154								
125040	1% SPHALERITE, .5% PYRITE QUARTZ BOULDER 881 N, 10 M E	1.5	FLOAT	-	52	17.9	6894	4832	4952	65	3		

PROPERTY

KNIPPLE

N.T.S. 104 A5

DATE JULY 22, 1990

ROCK SAMPLE REPORT

PROJECT: 293

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	Ag	Cu	Pb	Zn	As	Sb		
125041	.5% SPHALERITE, FINE PYRITE .5% QUARTZ COARSE BOUNDR 845 N, 1 M E.	1	FLOAT	-	2290	3.3	325	1257	2118	126	4		G D ↓
					ppb	ppm	ppm	ppm	ppm	ppm	ppm		
125042	6% SPHALERITE 2% PYRITE DISSIMINATED, 1% GALENA IN A QUARTZ COARSE BOUNDR 840 N, 15 M E	9	FLOAT	-	10540	15.5	1453	20795	64752	612	26		
					0.307								
125043	2% SPHALERITE, 1.5% PYRITE QUARTZ BOUNDR 835 N, 15 M E.	2.5	FLOAT	-	8660	7.0	654	17548	26968	36	2		
					0.253								
125044	2% SPHALERITE 1% GALENA 6% DISSIMINATED PYRITE IN COARSE QUARTZ/CARBONATE BOUNDR 830 N, 12 M E.	9	FLOAT	-	1240	15.5	1070	1586	4692	425	42		
125045	.5% PYRITE, .5% SPHALERITE QUARTZ BOUNDR 827 N, 10 M E.	1	FLOAT	-	1480	2.6	196	2403	1118	118	3		

PROPERTY

KNIPPLE

N.T.S.

104 A5

DATE

JULY 22 1990

ROCK SAMPLE REPORT

PROJECT

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SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	G	A	G	A	G	A	G	A	G	A	SAMPLED BY
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
					Au	Ag	Cu	Pb	Zn	As	Sb				
125046	1% DISSMINATED PYRITE, 5% SPHALERITE, COARSE GRAINED QUARTZ BOULDER 805 N, 5 M E.	1.5	FLOAT	-	6260	4.9	437	3613	17380	72	2				GD
					0.183										↓
					ppb	ppm	ppm	ppm	ppm	ppm	ppm				↓
125047	1% SPHALERITE, 1% GALENA 5% PYRITE QUARTZ BOULDER 820 N, 5 M E.	7	FLOAT	-	1350	22.1	849	3439	4078	998	70				
125048	1% PYRITE 1% SPHALERITE QUARTZ BOULDER 822 N, 2 M. E.	2	FLOAT	-	4290	3.7	364	5948	22144	30	2				
					0.125										
125049	2% SPHALERITE 1% PYRITE QUARTZ BOULDER 810 N, 2 M E.	3	FLOAT	-	3960	5.8	461	6957	10236	126	2				
					0.116										
125050	2% SPHALERITE 1% GALENA 2% DISSMINATED PYRITE IN COARSE QUARTZ/CARBONATE BOULDER 808 N, 3 M E.	5	FLOAT	-	7590	7.2	1274	4066	39062	454	9				
					0.221										
36480	5% SPHALERITE 1% PYRITE QUARTZ BOULDER 795 N, 5 M E.	1.5	FLOAT	-	2100	1.6	508	142	5335	28	2				

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 104 A5
 DATE July 27, 1990
 PROJECT 293

PROPERTY Knipple Lake

ROCK SAMPLE REPORT

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH	<input checked="" type="checkbox"/> Au	<input checked="" type="checkbox"/> Ag	<input checked="" type="checkbox"/> Cu	<input checked="" type="checkbox"/> Pb	<input checked="" type="checkbox"/> Zn	<input checked="" type="checkbox"/> As	<input checked="" type="checkbox"/> Sb	SAMPLED BY
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	
128426	2 m wide siliceous Altered zone 2% Pyrite in Andesitic host	2	Grab		3	1.9	14	28	25	49	3	B.F.
128427	siliceous Ash Tuff 2% pyrite, Qtz flooding fractures.	2	Grab		5	1.2	8	21	8	100	3	
128428	small qtz vein 3" wide in a siliceous Ash tuff. 2% sulfides in host rock, sample contains vein + host rock.	2	Grab		1	0.3	5	6	27	175	2	
128429	sheared sercitic Alteration in a 0.5 m zone 140° 35° S	Trace			1	0.4	9	25	21	14	2	
128430	160° 30° S 0.5 m wide serciticly altered Andesite with up to 5% Pyrite	5			1	0.3	6	20	27	4	2	

PROPERTY Knipple Lake

N.T.S. 104 A5

DATE July 28, 29

ROCK SAMPLE REPORT

PROJECT 293

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	
128431	Rusty Quartz vein 0.5m wide with 1% pyrite, BL 8810 N	1	Grab		114 ppb	4.5 ppm	37 ppm	254 ppm	160 ppm	40 ppm	2 ppm	B Fyke ↓
128432	Host rock for sample 128431 2% pyrite in a sercetically Altered Andesite	2	Grab		45	8.3	58	103	31	14	2	
128433	8650N 10075W 2m wide quartz vein containing Trace pyrite	-	Grab		6	0.3	4	4	3	5	2	
128434	sercetically Altered the boulder on Qtz vein, very Angular contains 25% pyrite	25	Float		35	8.6	10	40	71	120	3	

PROPERTY Knipple Lake

N.T.S. 104 A5

DATE July 31 - Aug 2

ROCK SAMPLE REPORT

PROJECT 293

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	Ag	Cu	Pb	Zn	As	Sb	
128435	Carbonate vein with up to 10% pyrite	1	Grab		11	0.4	2	5	16	5	2	B Fyke
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	↓
128436	Heavily altered siltstone (Black) width 20 cm in a 3 meter zone	1	Grab		6	0.5	26	30	19	432	4	
128437	silica altered volc tuff containing qtz veinlets and pyrite lining fractures Boulder 10 cm diameter	5	float		6	0.2	16	15	109	9	5	
128438	Purple Andesitic Boulder carbonate-barite veining with some malachite and trace tetrahedrite.	trace	float		5	7.1	1414	3	39	11	2	
128439	siliceous boulder rusty weath some pyrite.	1	float		4	0.2	13	11	1	18	3	
128440	Qtz vein with pyrite Jasper and trace pyrite strike 155° dip 80° NE	trace	Grab		8	2.3	59	5	32	158	25	

N.T.S. 104 A5

PROPERTY Knipple Lake

DATE Aug 2

ROCK SAMPLE REPORT

PROJECT 293

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	Ag	Cu	Pb	Zn	As	Sb						
128441	Quartz serrecite Alteration 2% pyrite in a 5m wide zone	2	Grab		4		0.7		28		7		17		28	5	B Fyke ↓
					ppb		ppm		ppm		ppm		ppm		ppm	ppm	
128442	Quartz - Jasper vein 22cm wide with trace pyrite	Trace	Grab		4		0.3		27		8		32		12	4	
128443	Bull Qtz in a serrecite Alteration zone. Apparant thickness 3m, Altered zone 4m.				3		0.1		6		2		1		2	2	
128444	Qtz - Barite - Carb veining several veins up to 20cm width in a 10m wide zone, within Andesitic host strike 0° dip 40° E. Pyrite present in stringers up to 2cm wide as well as disseminated in vein material. sample in creek bottom beside beside toe of glacier.	5	Grab		28		1.3		113		5		36		679	2	

NORANDA EXPLORATION COMPANY, LIMITED

PROPERTY Knipple Lake

N.T.S. 10-A-5

DATE Aug 2

ROCK SAMPLE REPORT

PROJECT 293

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	Ag	Cu	Pb	Zn	As	Sb	
128445	Qtz - Barite, Jasper vein with 5% pyrite in a very angular boulder below small cliff (very close to in place)	5	float		2	16.7	11	27	8	15	41	B Fyke ↓
128446	Carbonate vein in a rusty Black siltstone	—	Grab		2	0.1	6	4	11	5	2	
128447	Host rock for 128446. trace pyrite, zone 10 m wide	trace	Grab		1	0.4	18	19	85	17	2	
128448												

PROPERTY Knipple Lake

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DATE July 24, 1990

ROCK SAMPLE REPORT

PROJECT 293

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	Ag	Cu	Pb	Zn	As	Sb				
128472	3% Pyrite in Qtz and host rock. Bleached white weathering \approx 1 meter wide strike 240° dipping vertically. Grid coordinates L10000 N 10150 W	3	Grab		33	0.2	35	42	147	16	2				B Fyke
					ppb	ppm	ppm	ppm	ppm	ppm	ppm				↓
128474	siliceous Alteration and rusty weathering over a 7 meter width 2% pyrite. Grid Coordinates L10000 N 10950 W	2	Grab		6	0.5	18	33	70	20	2				
128475	siliceous Alteration of an Andesite with Qtz veinlets up to 3% pyrite. zone is 2 m wide and contained in a chloritic Agglomerate. 10112 W 9800 N grid coordinates	3	Grab		200	1.4	6	12	43	22	2				

N.T.S. 10445

PROPERTY Knipple Lake

DATE July 21

ROCK SAMPLE REPORT

PROJECT 293

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	Ag	Cu	Pb	Zn	As	Sb	
128473	Grid location: 9975 N 10175 W. Nearly horizontal quartz/carbonate veins in a light green feldspar porphyry with chlorite amygdules. 2% pyrite occurs finely disseminated in the host rock only. The rusty alteration zone is 1.5m wide and trends east for 40m	2	Grab	1.5m	14	0.5	20	11	98	16	2	G.W.
					ppb	ppm	ppm	ppm	ppm	ppm	ppm	

PROPERTY Knipple

N.T.S. _____

DATE Sept 14, 1990

ROCK SAMPLE REPORT

PROJECT 293

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	Ag	Cu	Pb	Zn	As	Sb		
129780	10150N, 9950W - Andesite breccia or Agglomerate. Clast supported w/abund. drusy gg lining interstices.	-	grab		14	5.5	128	14	84	72	2		EG
129885	L 9700N 11300W - Grey-green agglomerate w/ 20-40% angular purple clasts (Andesite?) 2-25mm thickness; chloritic + calcitic alteration; <2% sulphides.	<2%	grab		2	0.6	10	9	93	19	3		D.G.
129886	L 9700N 11225W - as 129885	<2%	grab		3	0.3	5	9	44	106	13		D.G.
129887	L 9700N 11175W - as 129885	<2%	grab		2	0.7	5	167	67	19	2		D.G.
129888	100m South of 10000N 10000W - green andesite; amphanitic; Fe stained, calc alteration 3-5% dissem. pyrite.	3-5%	Float		100	1.2	1	46	56	41	3		D.G.

APPENDIX VII
CERTIFICATES OF ANALYSIS - ROCKS

GEOCHEMICAL ANALYSIS CERTIFICATE

Knipple Lk

Noranda Exploration Co. Ltd. PROJECT ~~9008-001-299~~ File # 90-2925 Page 1

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

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	M	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppb	
36480-	3	508	142	5335	1.6	8	8	1207	1.02	28	5	ND	3	74	43.6	2	2	13	4.76	.014	5	10	.13	13	.01	3	.33	.01	.04	1	2100
36481-	5	2966	6240	21675	10.3	8	17	43	5.91	156	5	ND	2	3	208.7	11	2	3	.04	.014	3	6	.01	5	.01	2	.14	.01	.12	1	620
36482-	3	626	250	87	2.4	5	7	1931	1.78	90	5	ND	3	227	.7	3	2	7	15.05	.032	9	5	.05	60	.01	2	.24	.01	.13	1	34
36483-	1	1210	9650	27037	5.3	7	5	3136	3.48	81	5	ND	1	217	268.8	2	2	34	12.55	.005	6	5	.38	40	.01	2	.79	.01	.01	3	1680
36484-	1	268	6119	24087	11.2	2	2	2277	1.85	191	5	39	1	190	266.3	4	2	6	14.15	.001	5	1	.18	23	.01	2	.32	.01	.05	2	42700
36485-	1	141	2551	6735	2.9	5	2	1609	2.34	11	5	5	1	95	53.1	2	2	9	6.54	.001	3	3	.31	19	.01	2	.43	.01	.02	1	5750
095598	5	91	204	431	1.7	10	5	723	2.13	163	7	ND	3	3	2.3	6	4	8	.04	.017	2	9	.12	94	.01	3	.32	.01	.06	1	390
105125-	3	8	77	315	.4	9	1	289	.38	4	5	ND	2	34	2.8	2	2	4	.86	.028	6	8	.10	41	.01	6	.19	.01	.09	1	280
105149-	4	23	54	95	5.6	12	12	214	2.15	327	5	ND	2	6	.5	15	2	10	.07	.005	3	11	.04	71	.01	2	.15	.01	.03	1	84
105150-	3	12	17	27	1.5	9	3	66	1.45	48	5	ND	4	6	.2	4	2	20	.03	.033	5	12	.05	102	.01	6	.21	.01	.11	1	49
105176-	1	4	4	126	.1	6	14	904	6.14	2	5	ND	3	16	.2	2	4	89	.49	.015	2	6	1.55	14	.01	2	2.52	.01	.03	1	1
105177	2	5	17	14	1.3	9	4	30	1.52	108	5	ND	5	8	.2	2	2	12	.13	.085	9	9	.02	48	.01	3	.22	.01	.18	1	35
105178-	3	7	25	23	.8	9	4	67	1.28	33	5	ND	4	9	.2	2	2	5	.02	.033	8	9	.01	155	.01	5	.14	.01	.11	1	25
105179-	1	19	29	42	1.4	4	2	158	2.69	11	5	ND	6	10	.2	2	2	28	.06	.062	10	14	.39	69	.01	2	.73	.01	.14	1	20
105180-	2	15	22	24	1.3	8	2	121	3.32	27	5	ND	5	8	.2	2	2	18	.09	.059	8	10	.09	22	.01	3	.50	.01	.15	1	8
105181	6	49	1231	117	26.4	12	42	275	5.39	440	6	ND	3	21	13.9	23	3	29	.08	.027	3	6	.15	17	.02	2	.51	.01	.09	1	350
105182	2	44	19	26	.4	8	6	102	2.08	7	5	ND	5	12	.2	2	2	11	.01	.039	7	7	.04	628	.01	3	.34	.01	.16	1	44
105183	3	85	1704	341	41.3	7	3	1043	.63	19	5	ND	3	39	54.0	8	2	5	3.61	.003	3	7	.01	79	.01	3	.05	.01	.05	1	320
105299-	3	15	133	21	.8	6	2	785	.66	7	5	ND	5	12	.3	4	2	2	.58	.031	9	6	.01	102	.01	6	.27	.01	.14	2	6
105300-	3	33	7	60	.2	8	6	251	2.00	2	5	ND	2	8	.2	2	2	24	.13	.050	2	9	.29	21	.01	3	.61	.02	.05	1	4
109031-	2	7	811	223	.5	6	4	1011	1.31	3	5	ND	2	160	7.9	2	2	9	5.18	.033	5	6	.30	92	.01	3	.54	.01	.11	1	500
109032-	6	865	5952	14827	4.9	3	6	6767	4.95	334	5	ND	2	250	131.0	16	2	34	11.23	.014	5	6	.46	14	.01	2	.77	.01	.05	3	420
109033-	3	37	129	299	.3	6	14	770	5.08	7	5	ND	6	17	1.9	2	3	36	.74	.108	7	5	1.21	11	.01	2	1.39	.03	.14	1	10
109034-	1	10	8	83	.3	3	5	372	1.84	8	5	ND	6	27	1.1	2	2	9	1.31	.064	20	3	.53	184	.01	5	.95	.01	.19	1	2
109035-	2	1034	17749	30436	8.0	5	9	1886	3.29	76	5	ND	1	94	309.4	5	2	15	3.75	.014	4	1	.42	17	.01	2	.68	.01	.05	2	270
109036-	1	709	7704	30148	5.9	2	5	4907	3.17	41	5	2	3	282	345.3	2	2	19	12.69	.002	4	1	.58	43	.01	2	.98	.01	.02	3	2050
109037-	2	853	12477	36228	10.5	5	8	2174	5.24	107	5	14	1	105	389.7	20	2	27	4.33	.002	2	1	.46	15	.01	2	.66	.01	.01	2	11200
109038-	1	748	8513	14276	10.9	3	2	4121	3.79	55	5	23	1	236	143.3	3	2	15	10.80	.004	5	1	.52	19	.01	2	.85	.01	.03	1	27400
109039-	7	30	278	1137	1.0	3	15	87	2.17	119	5	ND	5	20	15.4	2	2	7	.62	.151	9	2	.03	14	.01	14	.41	.01	.20	1	132
109040-	1	28	175	334	.4	3	11	502	4.42	9	5	ND	3	46	2.9	2	2	14	1.82	.131	9	2	.37	11	.16	2	.59	.03	.18	1	320
109041-	6	15	100	50	.4	4	2	20	5.45	13	5	ND	4	109	.4	3	2	10	.02	.040	8	4	.02	16	.01	2	.21	.08	.24	1	21
109042-	3	680	6730	21184	6.5	5	6	1966	4.70	277	5	5	3	120	215.2	7	2	26	5.05	.003	5	1	.40	23	.01	2	1.15	.01	.07	2	6980
109043-	8	2577	3755	8960	8.4	6	15	831	11.60	269	5	ND	2	4	85.2	5	3	40	.08	.017	3	5	.37	6	.01	2	1.41	.01	.11	1	590
109044-	2	959	1131	2805	3.3	4	4	1893	1.27	53	5	ND	2	196	23.8	4	2	11	14.00	.003	6	4	.06	23	.01	2	.17	.01	.03	1	53
109045-	5	593	10036	30775	10.2	6	9	897	5.22	443	5	12	2	32	311.2	18	2	11	1.37	.011	4	1	.15	11	.01	2	.48	.01	.11	2	17500
109046-	3	406	2221	10901	3.1	6	2	548	1.27	53	5	4	2	31	85.0	4	2	5	.96	.001	2	4	.06	46	.01	3	.18	.01	.09	1	4110
STANDARD C/AU-R	19	62	40	129	7.2	69	31	1029	3.79	41	21	7	41	49	18.3	11	21	60	.52	.097	40	60	.87	175	.09	38	1.90	.06	.15	11	510

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: JUL 26 1990

DATE REPORT MAILED:

Aug 2/90

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

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	Li	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
109047-	1	1657	10937	39800	8.0	5	10	1921	5.25	143	5	ND	3	170	399.8	5	2	18	5.05	.001	4	29	.29	45	.01	2	.89	.01	.11	2	24
109048-	16	20	64	210	1.4	3	11	815	5.15	215	5	ND	5	78	3.6	3	2	20	2.68	.107	10	3	.14	13	.11	2	.66	.01	.25	1	63
109049-	4	192	5346	18309	2.7	14	5	151	.52	35	5	ND	3	18	185.9	4	2	1	.26	.001	2	26	.01	24	.01	6	.05	.01	.06	1	350
109050-	3	3594	8949	24740	5.5	8	8	660	2.29	52	5	2	2	31	211.1	4	2	10	1.57	.002	2	15	.37	47	.01	2	.50	.01	.06	1	2360
109101-	3	210	2796	18451	6.2	9	5	452	.82	14	5	11	3	88	189.3	3	2	4	2.64	.001	3	19	.01	33	.01	8	.05	.01	.06	1	8560
109102-	1	1636	23597	99999	36.2	8	17	50	1.68	122	5	7	1	2	1668.2	2	2	3	.02	.002	2	92	.01	4	.01	3	.11	.01	.09	2	6450
109103-	1	664	20736	86161	14.5	7	19	700	4.56	359	9	14	6	2	1157.8	2	5	42	.02	.001	3	1	.35	5	.01	2	1.08	.01	.11	3	13640
109626-	3	21	263	525	.3	11	4	242	1.80	4	8	ND	4	23	4.6	2	2	19	.44	.088	4	10	.43	23	.01	3	.87	.02	.06	1	40
109627-	2	5	49	133	.4	6	1	1643	.31	2	5	ND	4	499	1.4	3	2	1	10.30	.001	4	5	.03	20	.01	8	.06	.01	.04	1	14
109628-	3	1	299	230	.1	8	1	1620	.66	2	5	ND	3	568	2.3	2	2	2	9.38	.014	4	8	.08	21	.02	5	.18	.01	.03	1	10
109629-	5	34	144	371	6.0	14	33	231	4.64	466	6	ND	5	8	3.2	17	2	18	.02	.018	2	9	.24	22	.01	2	.51	.01	.06	1	200
109630-	4	26	548	153	6.1	15	5	70	1.24	25	5	3	3	38	1.4	7	2	6	.11	.014	3	13	.01	1073	.01	7	.07	.01	.05	1	1260
109631-	2	10	44	74	.4	11	8	190	2.88	7	5	ND	7	14	.5	2	2	33	.21	.085	16	12	.17	325	.01	8	.86	.01	.22	1	9
109634-	4	19	51	105	27.7	15	8	329	1.39	86	5	ND	3	10	.4	11	2	14	.04	.008	4	14	.09	943	.01	2	.20	.01	.04	1	65
125031-	4	9	26	46	.5	9	13	84	2.48	208	5	ND	6	6	.3	6	2	9	.13	.050	5	7	.02	31	.01	4	.25	.01	.17	1	26
125032-	7	4261	24950	38595	19.4	10	16	621	1.51	625	5	ND	1	124	636.0	29	5	1	2.84	.006	2	1	.02	7	.01	4	.04	.01	.02	1	75
125033-	5	1741	6281	16737	5.9	5	5	2132	2.96	62	5	5	3	183	168.0	4	2	11	6.96	.004	3	1	.28	58	.01	2	.52	.01	.06	1	2650
125034-	1	1512	3120	14942	3.9	5	6	1559	2.49	80	5	4	4	102	141.4	2	2	18	5.82	.005	3	6	.57	53	.01	2	.77	.01	.06	3	4560
125035-	20	612	5618	17557	7.9	9	22	258	6.99	428	5	2	3	15	169.6	25	2	4	.29	.040	7	11	.01	7	.01	3	.21	.01	.13	1	1920
125036-	3	1171	3716	13072	3.0	8	3	1340	1.72	38	5	ND	2	147	122.1	3	2	10	6.17	.003	2	7	.25	85	.01	2	.44	.01	.03	1	1340
125037-	12	204	821	3264	1.4	10	2	751	1.18	25	5	2	3	88	28.4	2	2	9	1.74	.004	7	9	.17	36	.01	3	.29	.01	.04	1	1020
125038-	8	524	4789	12480	5.8	7	11	1931	4.81	79	5	4	2	172	99.3	7	2	7	5.24	.036	5	8	.09	16	.01	4	.32	.01	.14	4	2130
125039-	2	934	3055	20373	4.8	4	8	1899	4.69	257	5	4	3	170	231.8	6	2	21	6.22	.001	5	1	.29	43	.01	3	.87	.01	.07	2	5290
125040-	8	6894	4832	4952	17.9	11	11	324	2.33	65	5	ND	3	12	33.6	3	2	7	.30	.026	7	8	.10	88	.01	11	.36	.01	.12	1	52
125041-	39	325	1257	2118	3.3	11	8	454	1.73	126	5	3	4	50	25.2	4	2	4	2.37	.019	7	10	.03	79	.01	8	.20	.01	.14	1	2280
125042-	4	1453	20795	64752	15.5	10	24	607	5.20	612	5	10	1	2	793.3	26	3	35	.02	.003	2	1	.28	12	.01	4	.94	.01	.07	2	10540
125043-	1	654	17548	26968	7.0	5	4	1057	2.40	34	5	6	2	64	380.3	2	2	14	2.32	.001	2	1	.30	38	.01	2	.56	.01	.07	1	8660
125044-	37	1070	1586	4692	15.3	13	23	110	13.02	425	8	ND	5	17	61.6	42	2	4	.20	.006	2	12	.01	4	.01	2	.13	.01	.13	1	1240
125045-	54	196	2403	1118	2.6	10	8	551	2.13	118	5	ND	2	68	13.3	3	2	5	3.18	.026	6	9	.04	72	.01	4	.25	.01	.14	1	1480
125046-	2	437	3613	17380	4.9	7	4	1407	2.51	72	5	7	2	110	161.5	2	2	12	3.53	.001	3	10	.33	64	.01	3	.68	.01	.09	1	6260
125047-	131	849	3439	4078	22.1	10	30	103	15.05	998	5	ND	4	3	64.3	70	2	2	.02	.004	2	5	.01	3	.01	2	.10	.01	.10	1	1350
125048-	1	364	5948	22144	3.7	4	2	2343	2.26	30	5	4	3	183	222.2	2	2	11	12.60	.001	4	1	.35	51	.01	2	.63	.01	.08	2	4290
125049-	19	461	6957	10236	5.8	7	12	1391	5.54	126	5	4	4	60	92.4	2	2	21	1.55	.040	5	4	.46	43	.01	2	1.42	.01	.14	2	3960
125050-	3	1274	4066	39062	7.2	9	9	275	4.01	434	5	6	2	4	393.0	9	2	13	.07	.002	2	1	.07	13	.01	2	.31	.01	.09	1	7590
128521-	2	4	29	112	.2	8	5	683	3.39	17	5	ND	4	6	.5	2	2	18	.07	.017	3	7	.78	42	.01	6	1.45	.01	.06	1	4
128522-	5	6	39	98	.2	11	4	392	1.99	2	8	ND	4	7	.6	2	2	4	.10	.017	2	9	.17	20	.01	2	.49	.01	.03	1	23
STANDARD C/AU-R	18	57	40	132	7.3	72	31	1049	3.80	43	20	7	40	52	18.6	14	18	59	.53	.091	39	60	.88	182	.09	35	1.93	.06	.13	13	510

ASSAY RECOMMENDED

for Cu, Pb, Zn, Ag > 1%
Ag > 30ppm

V = fine assay

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	Au* ppb
128523-	4	8	56	175	.1	4	2	846	.50	2	5	ND	1	732	1.8	2	2	2	3.56	.010	4	5	.01	228	.01	4	.09	.01	.06	1	20
128524-	5	11	14	24	.1	15	1	180	.51	2	5	ND	1	22	.2	2	2	1	.17	.004	2	13	.01	570	.01	2	.03	.01	.01	1	3
128525-	3	29	59	382	.3	10	7	971	2.10	9	5	ND	1	35	3.7	2	2	20	1.30	.031	4	11	.10	610	.01	2	.43	.01	.14	1	51

ACME ANALYTICAL LABORATORIES LTD.

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

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

GEOCHEMICAL ANALYSIS CERTIFICATE *Knipple (BF)*

Noranda Exploration Co. Ltd. PROJECT ~~9008-018-293~~ File # 90-3154

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

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	ppb
105184 -	5	1500	24177/24930	9.2	7	7	331	3.36	241	5	2	1	2	253.0	9	2	20	.02	.001	2	5	.15	42	.01	4	.67	.01	.10	2	2650	
105185 -	5	2830	12777/47086	12.5	8	11	292	5.04	67	5	7	1	2	507.0	4	2	16	.01	.002	2	31	.16	16	.01	3	.63	.01	.08	3	7030	
105186 -	7	3383	2186	8301	7.7	6	14	1277	3.66	183	5	ND	1	72	66.7	6	3	28	2.73	.030	10	9	.27	81	.01	3	1.00	.01	.14	8	70
128472 -	1	35	42	147	.2	4	18	673	5.25	16	5	ND	1	18	1.1	2	2	29	.83	.068	4	19	.76	29	.01	5	1.33	.01	.19	1	33
128473 -	1	20	11	98	.5	2	10	401	5.51	16	5	ND	1	9	.9	2	2	34	.24	.091	4	3	.41	37	.07	4	1.11	.01	.26	1	14
128474 -	1	18	33	70	.5	4	2	167	2.58	20	5	ND	2	8	.5	2	2	24	.16	.082	10	21	.21	193	.01	2	.67	.01	.16	1	6
128475 -	1	6	12	43	1.4	3	15	408	5.46	22	5	ND	1	11	.4	2	2	23	.16	.075	2	4	.26	21	.06	4	.85	.01	.27	1	200
STANDARD C/AU-R	18	60	38	131	7.1	70	32	1051	3.96	38	16	7	36	52	19.0	15	18	56	.51	.099	36	59	.87	179	.07	35	1.88	.06	.14	13	510

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 3 1990 DATE REPORT MAILED: *Aug 9/90* SIGNED BY: *C. Leung* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

✓ ASSAY RECOMMENDED

RECEIVED
 AUG 14 1990

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ACME ANALYTICAL LABORATORIES LTD.

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

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Knipple Lk. (BF)

Noranda Exploration Co. Ltd. PROJECT ~~9009-023-291~~ File # 90-3175

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 %	Li ppm	Au* ppb
105187	8	5	11	6	.1	3	3	83	2.75	2	5	ND	1	35	.2	2	2	6	.20	.097	14	8	.05	291	.03	5	.57	.03	.25	1	1
128426	2	14	28	25	1.9	8	10	127	5.38	49	5	ND	1	19	.2	3	2	29	.11	.083	6	13	.12	80	.01	2	.62	.01	.22	1	3
128427	5	8	21	8	1.2	6	4	21	3.00	100	5	ND	1	16	.2	3	2	1	.02	.049	18	26	.01	105	.01	2	.20	.01	.20	1	5
128428	7	5	6	27	.3	5	3	171	2.54	175	5	ND	1	11	.2	2	2	4	.18	.097	8	6	.17	62	.01	2	.46	.01	.09	2	1
128429	20	9	25	21	.4	3	5	263	4.26	14	5	ND	1	41	.2	2	3	9	.77	.115	16	9	.08	93	.01	2	.79	.02	.26	1	1
128430	10	6	20	27	.3	4	7	254	5.22	4	7	ND	1	39	.2	2	2	8	.72	.118	14	3	.07	54	.01	3	.76	.03	.24	1	1
STANDARD C	18	58	39	131	7.2	67	31	1049	3.95	39	22	7	37	52	18.5	15	20	56	.51	.091	36	57	.91	180	.07	35	1.90	.06	.14	11	-

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 3 1990 DATE REPORT MAILED: *Aug 9/90* SIGNED BY: *Chung* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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 AUG 14 1990

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ACME ANALYTICAL LABORATORIES LTD.

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

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Knipfle Lt. (BT)

Noranda Exploration Co., Ltd. PROJECT 9008-045 293

File # 90-3428

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

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	ppb
105194	3	18	7	58	.1	8	5	622	2.47	2	5	ND	1	21	.2	2	2	7	.33	.098	17	6	.42	91	.01	4	1.00	.02	.11	2	1
105195	1	4	13	23	.1	2	5	663	1.61	3	5	ND	1	143	.2	2	2	30	1.73	.043	3	3	.45	30	.04	3	.74	.06	.03	2	2
105196	5	14	14	56	.2	1	5	272	5.30	14	5	ND	1	10	.3	5	3	18	.32	.165	7	3	.56	50	.01	2	1.21	.06	.05	1	4
105197	1	7	5	11	.2	5	2	139	.94	2	5	ND	1	102	.2	2	4	19	.52	.036	2	5	.29	3	.08	4	.57	.02	.04	1	1
105198	1	24	3	73	.1	9	7	636	8.48	2	5	2	1	18	1.5	2	5	54	.49	.063	7	36	2.01	76	.22	2	3.98	.03	.10	2	3
128431	2	37	254	160	4.5	3	6	278	2.49	40	5	ND	1	12	.2	2	2	16	.02	.008	2	4	.37	600	.01	2	.47	.01	.04	1	114
128432	8	58	103	31	8.3	2	9	260	4.07	16	5	ND	1	13	.2	2	2	21	.15	.082	3	5	.28	227	.01	3	.65	.01	.23	1	45
128433	2	4	4	3	.3	5	1	226	.41	5	5	ND	1	57	.2	2	2	1	.47	.001	2	4	.01	2302	.01	2	.02	.01	.02	1	6
128434	16	10	40	71	8.6	4	21	460	5.63	120	5	ND	1	23	.2	3	3	20	.44	.076	4	2	.26	49	.06	2	.79	.01	.24	1	35
128435	2	2	5	16	.4	1	1	5422	1.27	5	5	ND	1	269	1.0	2	2	4	29.46	.021	20	1	.18	66	.02	2	.31	.01	.02	1	11
128436	81	26	30	19	.5	9	8	107	4.80	432	6	ND	1	2	.2	4	3	36	.02	.014	2	9	.01	7	.01	2	.07	.01	.01	1	6
128437	5	16	15	109	.2	3	13	526	8.85	9	5	ND	1	40	.2	5	2	12	.52	.123	8	4	.59	30	.01	2	1.54	.06	.07	1	6
128438	1	1414	3	39	7.1	2	7	2202	3.14	11	5	ND	3	298	.4	2	2	42	10.99	.064	11	5	.39	2130	.04	2	.61	.02	.13	2	5
128439	4	13	11	1	.2	8	1	23	1.08	18	5	ND	6	6	.2	3	3	1	.02	.003	14	8	.01	199	.01	4	.16	.01	.15	1	4
128440	4	59	5	32	2.3	13	10	441	4.42	158	5	ND	1	45	3.3	25	9	137	.33	.012	3	10	.18	523	.02	2	.42	.01	.08	5	8
128441	3	28	7	17	.7	3	5	153	3.37	28	5	ND	2	25	.3	5	3	21	.30	.071	6	3	.03	80	.01	3	.32	.01	.28	1	4
128442	1	27	8	32	.3	1	6	1670	2.66	12	5	ND	1	177	.4	4	2	17	3.72	.060	7	2	.16	297	.02	2	.45	.01	.19	1	4
128443	4	6	2	1	.1	8	1	81	.25	2	5	ND	1	15	.2	2	2	1	.13	.001	2	8	.01	12	.01	2	.03	.01	.02	1	3
128444	2	113	5	36	1.3	2	23	220	10.07	679	5	ND	1	22	.2	2	6	31	.68	.029	3	4	.23	7	.01	2	.44	.02	.06	1	28
128445	4	11	27	8	16.7	6	1	22	1.99	15	5	ND	1	106	.2	41	5	10	.01	.001	2	7	.01	49	.01	2	.01	.01	.01	3	2
128446	1	6	4	11	.1	3	1	728	.59	5	5	ND	1	474	.2	2	2	1	22.70	.009	6	3	.13	290	.01	2	.25	.01	.02	1	2
128447	4	18	19	85	.4	16	7	346	5.08	17	5	ND	2	34	.7	2	5	28	.21	.054	5	18	1.24	152	.07	7	2.31	.01	.07	3	1
128448	1	81	243	142	193.6	2	1	7223	.25	18	5	ND	1	247	3.6	58	2	4	19.79	.001	5	1	.03	1302	.01	2	.02	.01	.01	1	1
128449	5	26	33	21	7.3	7	12	477	4.29	166	5	ND	1	18	.3	20	5	41	.48	.046	2	8	.20	33	.01	2	.46	.01	.10	1	7
STANDARD C/AU-R	19	58	38	131	7.2	71	31	1049	3.95	41	22	7	37	52	18.4	15	20	55	.51	.090	37	58	.91	180	.07	35	1.88	.06	.14	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 13 1990

DATE REPORT MAILED:

Aug 17/90.

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

/ ASSAY RECOMMENDED

ACME ANALYTICAL LABORATORIES LTD.

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

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Knipple (EG)

Noranda Exploration Co. Ltd. PROJECT 9009-059-293 File # 90-4674

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

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	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppb
129770-	2	128	14	84	5.5	5	9	1007	3.08	72	5	ND	1	41	2	2	2	45	.84	.046	5	4	.24	1516	.04	6	.80	.01	.18	1	14
129885-	1	10	9	93	.6	4	16	1231	3.58	19	5	ND	2	191	.6	3	2	55	4.88	.080	10	2	1.02	434	.03	5	1.48	.01	.29	1	2
129886-	1	5	9	44	.3	3	4	1143	2.84	106	5	ND	4	43	2	13	2	47	2.06	.080	13	4	.14	175	.08	6	.45	.01	.23	1	3
129887-	1	5	167	67	.7	4	7	1069	3.48	19	5	ND	2	55	.7	2	2	46	2.84	.094	13	3	.13	259	.06	5	.64	.01	.33	1	2
129888-	4	1	46	56	1.2	3	33	625	5.95	41	5	ND	1	28	2	3	2	27	1.21	.088	6	2	.35	11	.01	3	1.06	.01	.26	1	100

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 28/90

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

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OCT - 2 1990
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APPENDIX VIII

CERTIFICATES OF ANALYSIS - STREAM SEDIMENTS

NORANDA VANCOUVER LABORATORY

Geochemical Analysis

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Project Name & No.: KNIPPLE LAKE - 293 Geol.: M.S.
 Material: 2 SILTS & 121 SOILS Sheet: 1 of 3
 Remarks:

Date rec'd: AUG. 13
 Date compl: SEP. 04

LAB CODE: 9008-045

SEP 11 1990

Au - 10.0 g sample digested with aqua-regia and determined by A.A. (D.L. 5 FPB)
 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 PR3000 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 acid dissolution methods.

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 105078	45	0.8	5.85	31	884	1.5	2	0.41	2	59	13	5	20	3.98	2.01	25	29	0.85	1238	1	0.08	12	0.10	19	64	0.11	118	140
3	SILT 105077	5	0.8	4.58	11	596	1.4	2	0.25	1	47	11	3	12	3.59	2.15	19	16	0.53	1427	1	0.02	4	0.07	16	30	0.08	116	153
4	8700N-10000W	5	1.2	4.48	8	897	0.9	2	0.29	1.5	36	18	4	14	4.87	1.85	13	10	0.52	1844	1	0.01	4	0.15	10	15	0.10	181	102
5	10025	5	0.8	4.58	14	882	0.9	2	0.27	1.3	37	15	3	12	4.73	1.99	13	10	0.55	1891	1	0.02	3	0.15	12	14	0.10	188	93
6	8700N-10050W	20	2.8	4.71	23	852	1.0	2	0.21	1.5	58	17	3	22	4.80	1.88	24	14	0.68	1911	1	0.02	4	0.09	16	12	0.11	168	105
7	8700N-10075W	5	0.4	4.53	12	772	0.9	2	0.13	1.2	42	17	3	14	4.59	1.87	15	10	0.55	1958	1	0.01	3	0.12	17	9	0.11	164	92
8	10100	5	1.8	4.94	13	778	1.0	2	0.15	1.3	43	14	3	18	4.70	1.95	18	13	0.87	1552	1	0.02	4	0.11	13	11	0.11	178	102
9	10125	5	1.4	5.04	8	504	1.0	2	0.19	1.3	43	14	4	18	4.75	2.14	18	14	0.72	1311	1	0.02	4	0.11	11	12	0.10	181	108
10	10150	25	1.4	5.24	8	936	1.0	2	0.23	1.6	47	17	5	21	4.90	2.33	19	14	0.77	1768	1	0.02	5	0.11	10	13	0.10	186	109
11	8700N-10175W	5	1.4	5.09	22	754	1.4	2	0.15	1.8	43	15	5	24	4.63	1.98	22	16	0.75	1260	3	0.02	5	0.12	14	12	0.12	184	109
12	8700N-10200W	5	1.8	5.14	30	647	1.1	2	0.31	2.1	50	19	3	28	5.21	2.35	21	14	0.81	2125	2	0.02	5	0.12	14	18	0.12	182	118
13	10225	5	1.4	4.87	24	893	1.0	2	0.18	1.7	43	17	3	24	5.09	2.13	19	14	0.84	1590	1	0.02	5	0.09	10	14	0.12	168	108
14	10250	5	1.8	4.94	21	839	1.0	2	0.19	1.9	48	19	3	27	5.28	2.24	21	14	0.83	2505	2	0.02	7	0.10	13	17	0.13	178	118
15	10275	5	1.8	4.70	21	704	1.0	2	0.17	1.8	46	18	3	27	5.39	2.18	20	13	0.78	1927	1	0.02	5	0.10	10	13	0.13	175	110
16	8700N-10300W	5	1.4	4.90	34	847	1.0	2	0.24	2.1	49	20	3	29	5.24	2.00	20	13	0.79	2344	2	0.02	6	0.12	14	16	0.12	177	120
17	8700N-10325W	5	1.2	5.03	20	707	1.1	2	0.25	1.7	51	15	3	22	4.98	2.10	21	14	0.81	1629	1	0.02	5	0.13	7	16	0.12	178	99
18	10350	5	2.0	4.88	38	858	1.0	2	0.24	1.9	50	18	2	25	5.10	1.94	21	13	0.74	2198	1	0.02	4	0.11	15	15	0.12	177	112
19	10375	10	1.8	5.03	30	854	1.0	2	0.28	2.1	50	17	3	25	5.22	2.34	21	13	0.76	1942	2	0.02	4	0.12	14	17	0.12	179	112
20	10400	20	1.2	4.93	12	938	1.0	2	1.34	1.9	58	19	4	24	5.02	2.22	18	15	0.93	1762	1	0.02	4	0.11	19	34	0.10	179	124
21	8700N-10425W	5	1.2	4.81	16	1436	1.3	5	2.84	2.4	57	20	5	29	4.84	2.09	20	16	0.93	1541	4	0.03	7	0.11	16	79	0.11	177	114
22	8700N-10450W	10	1.2	5.03	9	881	1.1	2	0.83	2.0	53	19	4	27	5.05	2.25	21	19	1.20	2055	1	0.02	5	0.11	14	25	0.15	173	123
23	10475	25	1.2	4.50	13	626	0.9	2	0.45	2.0	45	17	3	25	5.41	2.05	19	17	1.11	1800	1	0.02	4	0.11	9	19	0.18	189	114
24	10500	5	1.0	3.79	15	575	0.7	2	0.10	1.2	31	12	6	13	4.47	1.27	14	8	0.38	2850	1	0.02	4	0.28	7	18	0.15	125	81
25	10525	5	4.2	4.34	15	335	1.2	2	0.09	1.2	74	6	7	14	4.42	0.77	26	11	0.29	1020	2	0.07	4	0.21	13	8	0.11	61	61
26	8700N-10650W	15	1.2	4.51	28	708	1.0	2	0.22	1.6	45	14	5	21	4.71	1.80	18	14	0.77	1573	1	0.02	4	0.14	14	16	0.14	149	99
27	8700N-10875W	10	1.0	4.51	13	481	0.9	2	0.18	1.5	37	15	5	18	4.82	1.75	15	14	0.93	1805	1	0.02	4	0.15	17	14	0.16	166	115
28	10700	5	1.4	3.04	7	839	0.8	2	0.43	1.9	32	18	6	18	3.47	1.31	10	6	0.36	4353	1	0.02	4	0.24	17	25	0.12	129	138
29	10725	10	2.4	3.19	15	584	0.8	2	0.43	1.2	30	9	7	14	3.49	1.46	10	6	0.43	1424	1	0.02	3	0.17	8	22	0.12	138	96
30	10750	5	2.8	4.02	26	619	0.9	2	0.28	1.8	37	14	9	18	4.20	1.54	12	10	0.55	3513	1	0.02	4	0.26	20	25	0.14	131	121
31	8700N-10775W	5	1.4	4.58	22	1114	1.4	2	0.18	1.9	37	18	8	22	4.26	1.88	18	14	0.84	3232	5	0.02	7	0.29	31	25	0.14	157	142
32	8700N-10800W	5	3.2	5.32	31	541	1.2	2	0.07	1.2	48	16	7	20	4.80	1.88	19	13	0.68	2683	3	0.02	5	0.29	37	16	0.14	157	99
33	10825	5	1.2	4.82	21	839	1.0	2	0.84	1.8	48	17	4	24	5.10	1.74	19	18	1.16	1952	3	0.02	5	0.11	24	27	0.17	175	124
34	10850	10	7.1	8.11	117	990	1.6	2	0.08	2.4	83	22	5	48	8.84	2.37	31	16	0.79	4021	5	0.02	7	0.13	53	32	0.11	183	134
35	10875	35	2.0	4.44	32	663	1.0	2	0.39	1.5	48	17	4	27	5.52	1.94	20	16	1.05	2058	2	0.02	5	0.11	29	24	0.17	171	117
36	8700N-10900W	5	2.0	4.58	13	572	1.0	2	0.42	1.6	43	16	5	28	5.27	1.81	20	16	1.13	1738	3	0.07	7	0.10	41	36	0.20	163	123

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	9008-039 Pg. 5 of 6
172	10400N-10950W	5	0.2	5.38	2	860	1.8	2	0.10	1.1	71	11	8	27	3.97	1.58	27	18	0.57	1423	2	0.07	8	0.14	31	18	0.13	88	98	
173	10975	5	0.2	4.92	3	552	1.4	2	0.05	0.8	63	11	8	28	3.83	1.08	24	18	0.48	1394	1	0.05	7	0.13	38	11	0.11	80	92	
174	11250	5	0.2	6.43	13	899	1.5	2	0.12	1.2	58	12	4	38	4.24	1.65	27	21	0.57	1182	2	0.04	6	0.13	50	20	0.10	133	105	
175	10400N-11275W	5	0.4	6.16	10	644	1.2	2	0.10	1.2	51	10	8	23	3.71	1.77	23	22	0.54	893	2	0.05	8	0.15	43	18	0.13	130	88	
176	10400N-11300W	5	0.4	6.19	8	948	1.3	2	0.03	1.2	48	13	3	27	4.38	1.82	20	18	0.70	988	5	0.03	5	0.12	42	11	0.10	120	105	
177	11325	5	0.2	5.69	7	541	1.1	2	0.13	0.9	55	10	8	21	3.99	1.72	24	18	0.69	805	2	0.08	8	0.14	39	23	0.17	127	92	
178	11350	5	0.2	5.38	6	419	1.6	2	0.11	1.4	89	8	9	23	4.65	1.28	31	18	0.58	632	4	0.07	6	0.16	34	14	0.16	102	101	
179	11375	5	0.2	5.32	10	525	1.9	2	0.12	1.7	84	17	4	33	4.92	1.67	27	17	1.03	2063	2	0.04	8	0.13	34	13	0.15	141	122	
180	10400N-11400W	5	0.2	5.40	10	473	1.2	2	0.15	1.4	65	14	5	28	4.20	1.43	23	18	0.95	1108	2	0.03	6	0.21	34	16	0.18	142	94	
181	10400N-11425W	5	0.4	4.88	8	405	0.9	2	0.11	0.7	51	8	18	18	3.12	1.33	23	18	0.51	258	1	0.05	7	0.20	34	22	0.21	112	89	
182	11450	5	0.4	4.57	5	384	0.8	2	0.07	1.6	38	9	7	19	4.55	0.90	17	12	0.80	1233	4	0.03	5	0.26	23	9	0.13	99	92	
183	11475	5	0.4	3.87	7	350	0.7	2	0.08	2.0	31	9	10	17	5.13	0.96	14	7	0.37	2371	3	0.03	6	0.39	25	13	0.18	108	83	
184	11500	5	0.2	6.16	4	897	1.3	2	0.07	1.4	64	16	3	32	4.52	2.13	20	18	1.10	2535	1	0.03	5	0.13	28	8	0.13	127	101	
185	10400N-11525W	5	0.2	5.66	12	885	1.2	2	0.29	1.7	43	17	4	24	4.81	2.02	18	14	1.20	2003	1	0.02	6	0.21	24	18	0.18	165	128	
186	10400N-11550W	5	0.2	5.58	3	786	1.0	2	0.09	1.5	41	12	4	19	4.47	1.77	18	12	0.82	1381	1	0.02	5	0.16	24	11	0.14	150	91	
187	11575	5	0.6	5.79	33	857	1.2	2	0.07	1.8	50	17	4	20	4.75	1.69	20	18	1.03	1775	1	0.02	6	0.15	34	11	0.16	155	115	
188	11600	5	0.4	6.63	8	882	1.4	3	0.33	1.8	88	17	5	43	4.82	2.32	20	19	1.38	1944	1	0.03	7	0.16	31	15	0.15	179	130	
189	11625	5	0.2	5.78	16	898	1.2	2	0.11	1.8	65	17	4	28	4.83	2.02	22	18	1.12	1983	2	0.02	6	0.13	33	12	0.14	155	115	
190	10400N-11650W	5	0.4	6.11	7	655	1.3	2	0.14	1.8	51	17	8	26	4.67	2.28	20	17	1.15	2121	1	0.02	7	0.14	32	11	0.13	183	117	
191	10400N-11675W	5	0.2	5.79	3	781	1.0	2	0.12	1.7	38	17	8	23	4.73	1.70	18	16	1.03	1903	1	0.03	6	0.13	28	12	0.14	191	94	
192	11700	5	0.8	6.62	10	810	1.2	2	0.17	1.9	44	19	14	34	4.82	2.14	18	21	1.28	2631	2	0.04	9	0.18	34	16	0.16	193	115	
193	11725	5	0.2	6.07	6	784	1.2	3	0.35	2.0	40	17	7	25	4.80	2.00	16	17	1.23	2568	1	0.03	7	0.29	31	14	0.17	190	128	
194	11750	5	0.4	6.22	16	824	1.0	2	0.11	1.9	38	18	6	27	4.84	1.94	18	18	1.28	1553	2	0.03	7	0.23	33	11	0.21	202	113	
195	10400N-11775W	5	0.2	4.86	4	664	1.0	2	0.34	1.6	41	18	7	19	3.99	1.37	17	15	1.09	1767	1	0.05	8	0.27	30	22	0.22	178	112	
196	10400N-11800W	5	0.2	5.87	7	850	1.0	2	0.14	1.8	38	17	6	22	4.44	1.82	17	15	1.22	871	1	0.03	8	0.27	32	16	0.21	200	116	
197	11825	5	0.2	5.18	14	837	1.0	2	0.15	2.3	52	19	5	30	4.95	1.47	20	19	1.23	1814	2	0.03	8	0.13	38	15	0.14	181	123	
198	11050	5	0.4	4.76	12	479	2.7	2	0.07	1.7	83	12	8	37	4.72	1.23	32	15	0.48	1692	0	0.08	8	0.17	39	11	0.12	72	125	
199	11075	5	0.2	4.70	8	358	1.3	2	0.06	1.4	60	9	8	23	4.18	0.95	23	13	0.37	930	2	0.05	4	0.18	29	6	0.08	57	81	
201	10400N-11100W	5	0.2	4.64	2	470	1.3	2	0.05	1.2	59	11	13	22	4.00	1.34	22	14	0.42	2297	3	0.03	5	0.19	24	9	0.10	82	74	
202	10400N-11125W	5	0.2	5.02	4	823	1.4	2	0.04	1.0	65	13	10	33	3.77	1.64	22	17	0.57	1793	2	0.02	5	0.11	31	7	0.08	90	91	
203	11150	5	0.2	5.23	2	718	1.6	2	0.07	1.6	75	15	9	49	4.46	1.70	29	18	0.66	3001	2	0.04	7	0.17	43	11	0.07	118	93	
204	11175	50	0.6	5.26	12	745	1.4	2	0.03	1.3	51	14	4	35	3.99	2.02	22	14	0.44	2153	2	0.04	5	0.11	226	11	0.05	90	128	
205	10400N-11200W	50	0.6	5.77	4	794	1.5	2	0.04	1.3	53	15	4	38	4.19	2.14	24	14	0.46	2184	2	0.04	6	0.11	251	12	0.08	95	135	
206	SILT 109104	5	0.2	4.75	13	850	1.2	2	0.40	0.6	52	10	5	15	3.83	1.84	22	16	0.75	839	1	0.03	7	0.10	23	47	0.11	99	99	
207	SILT 109105	5	0.4	4.44	35	1178	1.8	4	1.13	1.8	88	13	6	17	5.31	1.58	37	14	0.75	1774	2	0.04	8	0.19	20	172	0.23	99	115	
208	109106	5	0.2	5.10	42	714	1.4	2	0.49	0.7	80	9	8	14	3.49	1.80	27	23	0.89	675	1	0.04	12	0.11	23	77	0.10	80	100	
209	109107	5	0.4	4.42	53	560	1.5	2	0.29	1.0	51	7	3	14	2.78	2.04	23	10	0.48	1098	1	0.02	5	0.07	41	32	0.08	77	138	
210	109108	5	0.2	4.81	80	845	1.6	2	0.39	0.7	62	10	8	14	3.13	1.85	28	20	0.66	977	1	0.03	13	0.12	25	39	0.07	71	96	
211	SILT 109109	5	0.4	4.85	42	813	1.5	2	0.31	1.3	49	13	6	22	3.87	2.34	21	13	0.57	1799	1	0.02	5	0.09	42	40	0.08	118	168	

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	9008-001 Pg. 3 of 4
82	10000N-10450W	5	0.2	4.74	2	804	1.1	2	0.40	1.0	43	12	4	17	3.74	1.80	16	14	1.05	1835	1	0.03	5	0.15	9	17	0.24	142	94	
83	10000N-10475W	10	0.2	6.11	2	823	1.1	2	0.08	0.4	41	9	3	17	3.37	1.87	17	12	0.68	791	1	0.03	4	0.11	9	10	0.13	127	88	
84	10500	5	0.2	5.16	2	786	1.2	2	0.25	0.7	59	13	4	37	4.02	1.98	28	13	1.11	925	1	0.03	7	0.07	7	17	0.21	139	93	
85	10525	5	0.2	4.87	8	498	1.0	2	0.29	1.7	44	19	4	38	5.47	1.62	18	16	1.73	1413	1	0.07	8	0.07	5	21	0.22	188	102	
86	10575	5	0.2	4.98	2	809	1.2	2	0.12	0.9	58	14	3	31	3.72	1.88	21	13	0.87	1375	1	0.05	7	0.09	11	15	0.12	118	79	
87	10000N-10800W	5	0.2	4.74	2	834	1.0	2	0.08	0.8	41	12	4	23	3.83	1.60	15	14	0.74	1678	1	0.02	4	0.17	8	8	0.09	109	86	
88	10000N-10825W	5	0.2	4.84	2	828	1.1	2	0.28	0.8	37	14	5	19	3.72	1.54	15	14	0.59	2747	1	0.03	5	0.20	13	18	0.10	113	107	
89	10850	5	0.2	5.10	2	534	0.9	2	0.04	0.2	32	8	6	18	3.00	1.46	14	16	0.53	871	1	0.02	4	0.21	3	8	0.08	108	70	
90	10875	5	0.2	5.98	2	748	1.3	2	0.08	0.9	65	14	5	36	4.17	2.00	20	18	0.85	1831	1	0.04	8	0.12	9	13	0.09	129	100	
91	10700	5	0.2	5.23	2	858	1.2	2	0.10	0.8	53	13	3	31	3.87	1.68	18	17	0.80	1620	1	0.05	6	0.10	5	15	0.10	118	94	
92	10000N-10725W	10	0.2	5.32	2	697	1.2	2	0.07	0.7	52	13	3	31	3.73	1.82	20	16	0.91	1559	1	0.03	6	0.11	5	9	0.10	126	88	
93	10000N-10775W	10	0.2	6.37	2	828	1.2	2	0.10	0.7	52	12	5	24	4.29	1.84	22	22	0.89	1423	1	0.05	8	0.15	5	20	0.13	158	97	
94	10800	5	0.2	5.78	2	713	1.1	2	0.10	0.8	44	10	5	20	3.72	1.81	20	15	0.62	1138	1	0.05	7	0.17	9	17	0.13	118	82	
95	10825	5	0.2	5.80	2	827	0.9	2	0.06	0.2	37	9	4	14	3.38	2.10	18	12	0.59	824	1	0.03	4	0.11	4	12	0.11	109	70	
96	10850	10	0.2	4.88	2	528	1.1	2	0.09	0.5	62	6	7	18	3.37	1.33	26	13	0.45	303	1	0.09	6	0.11	7	15	0.17	90	77	
97	10000N-10875W	15	0.2	5.51	5	738	1.0	2	0.09	0.8	43	12	3	24	3.53	1.54	19	15	0.60	718	1	0.05	6	0.10	11	16	0.10	107	83	
98	10000N-10900W	10	0.8	4.54	2	437	0.7	2	0.05	0.2	40	2	10	8	2.28	1.04	19	10	0.29	112	1	0.05	3	0.09	8	13	0.20	112	46	
99	10825	10	0.2	4.71	4	819	1.0	2	0.03	0.8	40	8	4	23	3.67	1.52	19	14	0.47	505	1	0.03	4	0.11	8	8	0.08	80	74	
101	10950	5	0.4	3.45	7	455	0.8	2	0.12	0.5	25	10	5	19	3.26	1.11	12	9	0.30	1288	1	0.03	4	0.19	12	15	0.10	84	73	
102	10975	5	0.6	5.00	5	553	0.9	2	0.05	0.6	33	11	4	17	3.68	1.53	17	12	0.34	2093	1	0.03	3	0.27	22	15	0.12	108	65	
103	10000N-11050W	5	0.6	4.88	2	378	0.8	2	0.06	0.2	38	3	7	9	2.42	1.14	18	10	0.38	161	1	0.05	3	0.13	6	13	0.23	113	50	
104	10000N-11075W	5	0.4	4.98	2	549	0.8	2	0.07	0.3	43	7	3	21	2.98	1.79	18	12	0.53	828	1	0.03	3	0.10	8	14	0.13	108	85	
105	11125	5	0.4	4.38	3	394	0.5	2	0.06	0.2	34	2	6	8	1.64	1.19	17	17	0.33	117	1	0.03	3	0.09	8	17	0.19	104	42	
106	11150	5	0.2	4.09	2	398	0.8	2	0.05	0.2	26	3	5	9	2.01	1.21	14	8	0.32	422	1	0.03	2	0.13	2	12	0.15	108	40	
107	11175	5	0.2	4.34	2	462	0.8	2	0.11	0.2	33	2	10	6	1.56	1.37	17	7	0.35	216	1	0.04	3	0.09	5	25	0.28	110	36	
108	10000N-11200W	5	0.8	3.84	2	380	0.8	2	0.08	0.2	30	3	9	11	2.62	1.09	15	8	0.30	457	1	0.05	4	0.21	2	17	0.18	91	53	
109	10000N-11225W	5	0.6	4.95	2	572	0.9	2	0.13	0.8	36	12	5	26	3.76	1.78	14	12	0.75	1961	1	0.02	4	0.16	2	13	0.11	113	69	
110	11250	5	1.2	4.63	2	553	0.9	2	0.07	0.2	37	9	5	21	3.19	1.88	16	11	0.44	1170	1	0.03	4	0.15	10	13	0.09	96	78	
111	11275	5	1.6	5.02	2	484	0.9	2	0.10	0.4	38	11	3	21	3.63	1.20	15	14	0.77	1142	1	0.02	4	0.10	4	12	0.13	115	88	
112	11300	5	0.2	6.09	11	1681	1.7	2	0.37	0.4	38	7	6	16	3.09	2.02	21	14	0.64	459	1	0.04	5	0.17	2	28	0.14	128	77	
113	10000N-11325W	5	0.8	3.99	2	432	0.7	2	0.12	0.4	32	8	4	12	3.30	0.80	13	9	0.47	1244	1	0.03	3	0.14	2	19	0.11	108	72	
114	10000N-11350W	5	0.6	4.32	8	475	0.8	2	0.16	0.7	33	9	5	14	3.81	1.45	14	13	0.61	1047	1	0.03	4	0.20	2	21	0.17	122	87	
115	11375	5	0.6	4.25	10	475	0.8	2	0.22	0.8	46	9	4	20	3.85	1.44	17	14	0.69	912	1	0.03	5	0.12	3	27	0.21	129	88	
116	11400	5	0.6	5.03	13	491	1.0	2	0.07	0.7	43	12	4	24	3.85	1.33	17	12	0.69	1809	1	0.02	4	0.13	2	13	0.13	138	88	
117	11425	5	0.6	4.22	9	597	0.9	2	0.23	1.0	45	11	5	21	4.15	1.45	20	12	0.69	1489	1	0.03	5	0.11	4	26	0.18	135	88	
118	10000N-11450W	5	0.6	4.37	11	558	0.8	2	0.11	0.7	38	9	6	14	3.86	1.80	13	10	0.52	1162	1	0.03	3	0.19	4	20	0.16	128	83	
119	10000N-11475W	5	0.4	4.75	8	534	0.8	2	0.08	0.9	34	11	6	18	3.90	1.58	15	10	0.56	2164	1	0.02	4	0.20	5	17	0.14	130	86	
120	10000N-11500W	5	1.8	5.28	10	518	1.0	2	0.08	0.8	57	15	5	25	4.14	1.80	21	17	0.85	1332	1	0.02	5	0.12	2	11	0.11	133	94	
121	SILT 103772	20	0.8	4.44	8	820	0.9	2	0.28	1.1	45	12	4	27	4.29	1.82	21	12	0.63	1318	1	0.02	4	0.09	10	28	0.12	130	102	
122	103773	5	0.2	5.07	17	782	1.0	2	0.23	0.8	40	13	2	21	3.89	2.08	19	10	0.60	1297	1	0.03	3	0.09	2	18	0.07	124	94	
123	SILT 103774	10	0.6	5.83	5	780	1.3	2	0.29	0.7	48	11	4	28	3.71	1.85	21	21	0.62	1188	2	0.05	6	0.11	15	25	0.11	118	91	
124	SILT 103775	10	0.2	4.66	8	813	0.9	2	0.41	1.0	38	14	4	29	4.15	1.25	16	19	1.19	1411	1	0.03	5	0.08	7	18	0.25	160	105	
125	SILT 106852	15	0.8	4.09	11	772	0.9	2	0.45	0.7	41	13	3	24	3.82	1.13	17	11	0.76	1731	1	0.02	4	0.10	4	33	0.11	132	107	

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	9008-001 Pg. 4 of 4
126	SILT 108653	30	0.8	4.83	27	1017	0.9	2	0.59	0.8	43	11	3	25	3.79	1.38	17	17	0.80	1517	1	0.03	4	0.13	2	29	0.15	131	82	
127	108654	20	0.4	4.81	17	982	0.9	2	0.49	0.7	39	12	3	22	3.81	1.73	17	15	0.79	1393	1	0.02	3	0.11	2	33	0.12	140	99	
128	SILT 108675	5	0.2	4.21	16	1081	0.8	2	0.80	0.8	37	12	3	21	3.46	1.47	14	12	0.80	1374	1	0.03	3	0.11	2	35	0.14	130	100	
129	SILT 109632	15	0.8	3.75	11	643	0.9	2	0.28	1.0	44	10	4	22	4.17	1.49	19	12	0.69	1014	1	0.02	3	0.09	5	21	0.14	123	82	
130	109633	85	0.4	3.97	9	729	0.8	2	0.23	0.7	32	9	4	15	3.65	1.66	16	16	0.73	993	1	0.03	4	0.08	2	20	0.13	120	88	
131	128467	20	1.0	4.06	8	859	0.9	2	0.32	1.2	47	13	4	25	4.25	1.67	21	12	0.63	1587	1	0.02	5	0.09	16	28	0.13	130	106	
132	128468	60	0.8	3.92	10	789	0.9	2	0.37	1.2	48	12	4	22	4.43	1.59	21	13	0.70	1134	1	0.03	5	0.10	7	32	0.17	135	94	
133	SILT 128469	10	1.0	4.81	16	989	1.1	2	0.39	0.9	49	13	4	19	4.02	1.80	21	19	0.64	2183	1	0.03	5	0.10	6	24	0.10	144	113	
134	SILT 128470	10	0.4	4.08	11	637	1.0	2	0.24	1.1	51	11	4	24	4.15	1.36	19	14	0.72	1687	1	0.03	5	0.11	7	26	0.17	133	101	
135	SILT 128471	5	0.4	5.93	2	1124	1.2	2	0.35	0.8	42	8	5	17	3.67	1.62	19	18	0.65	923	1	0.04	5	0.14	2	19	0.10	145	93	

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: KNIPPLE LAKE

CODE : 9008-039

Project No. : 293
 Material : 6 PANS
 Remarks :

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

Date rec'd: AUG 8
 Date compl: AUG 22

Values in PPM, except where noted.

T.T. No.	SAMPLE No.	wt. (g)	PPB Au	Cu	Zn	Pb	Ag
34D	105188	13.3	5	10	60	8	0.2
35	105189	14.9	5	6	52	4	0.1
36	105190	25.3	5	14	90	18	0.2
37	105191	19.2	5	12	92	32	0.4
38	105192	30.9	5	16	120	22	0.4
39D	105193	19.0	5	16	100	32	0.8

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: KNIPPLE LAKE

CODE : 9008-045

Project No. : 293
 Material : 2 PANS
 Remarks :

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

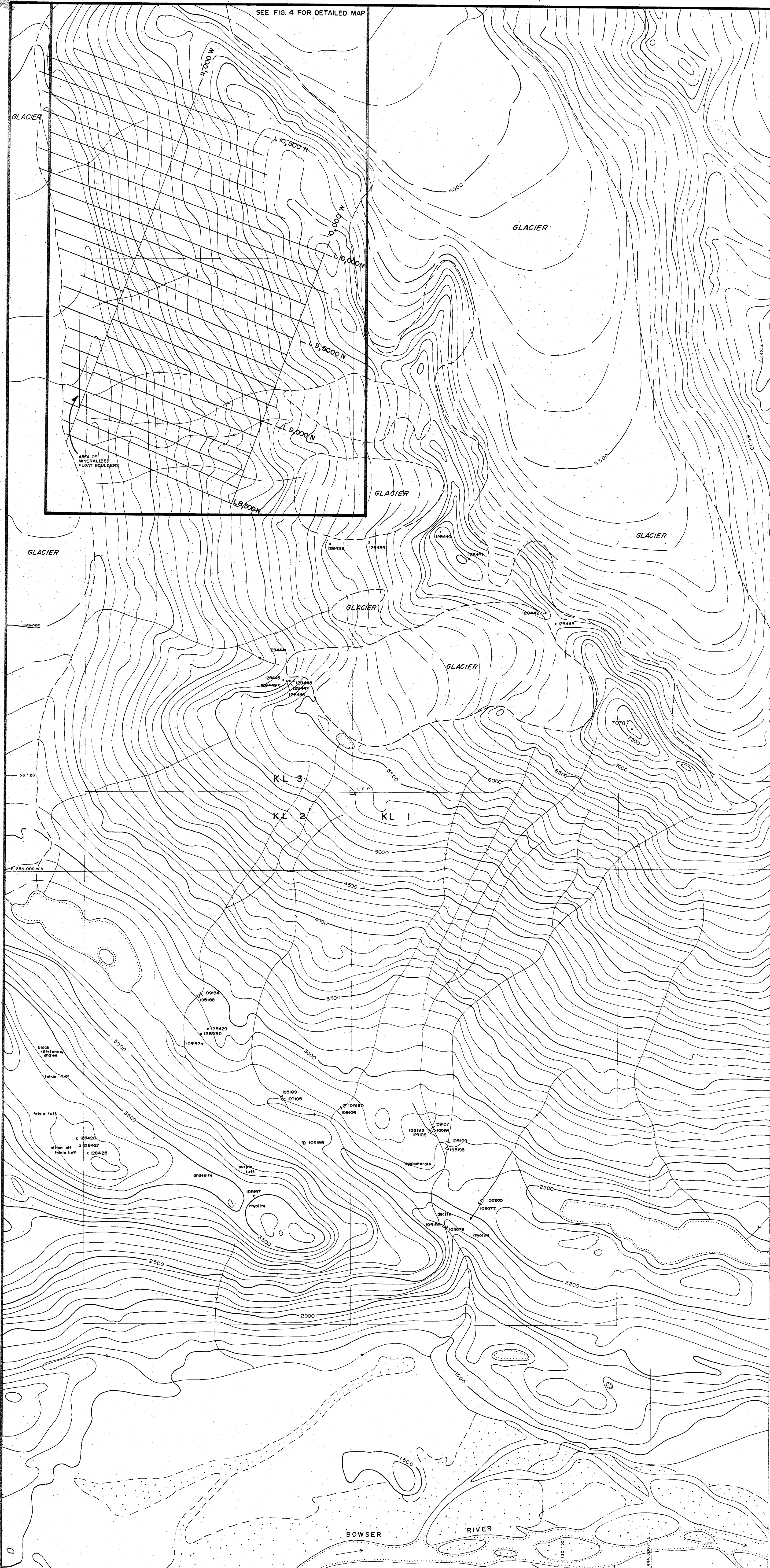
Date rec'd: AUG 13
 Date compl: AUG 22

Values in PPM, except where noted.

T.T. No.	SAMPLE No.	wt. (g)	PPB Au	Cu	Zn	Pb	Ag
42D	105199	11.1	5	10	42	24	0.6
43D	105200	31.4	5	20	170	32	0.8

SEE FIG. 4 FOR DETAILED MAP

LOCATION MAP



SILTS

SAMPLE NO.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
105076	45	0.6	20	19	140	31
105077	5	0.8	12	16	153	11
109104	5	0.2	15	23	99	13
109105	5	0.4	17	20	115	35
109106	5	0.2	14	23	100	42
109107	5	0.4	14	41	135	53
109108	5	0.2	14	25	96	80
109109	5	0.4	22	42	168	42

HEAVY MINERAL CONCENTRATES

SAMPLE NO.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
105188	5	0.2	10	8	60	n.a.
105189	5	0.1	6	4	52	n.a.
105190	5	0.2	14	18	90	n.a.
105191	5	0.4	12	32	92	n.a.
105192	5	0.4	16	22	120	n.a.
105193	5	0.8	16	32	100	n.a.

ROCKS

SAMPLE NO.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm
105187	1	0.1	5	11	6	2	2
105197	1	0.2	7	5	11	2	2
105198	3	0.1	24	3	73	2	2
128426	3	1.9	14	28	25	49	3
128427	5	1.2	8	21	8	100	3
128428	1	0.3	5	6	27	175	2
128429	1	0.4	9	25	21	14	2
128430	1	0.3	6	20	27	4	2
128435	5	7.1	1414	3	39	11	2
128439	4	0.2	13	11	1	18	3
128440	8	2.3	59	5	32	158	25
128441	4	0.7	28	7	17	28	5
128442	4	0.3	27	8	32	12	4
128443	3	0.1	6	2	1	2	2
128444	28	1.3	113	5	36	679	2
128445	2	16.7	11	27	8	15	41
128446	2	0.1	6	4	11	5	2
128447	1	0.4	18	19	85	17	2
128448	1	193.6	81	243	142	18	58
128449	7	7.3	26	33	21	166	20

LEGEND

Symbols

- △ 105189 Heavy Mineral Concentrate
- 109104 Silt Sample Location
- × 128444 Rock Sample Location
- 105198 Float Sample Location

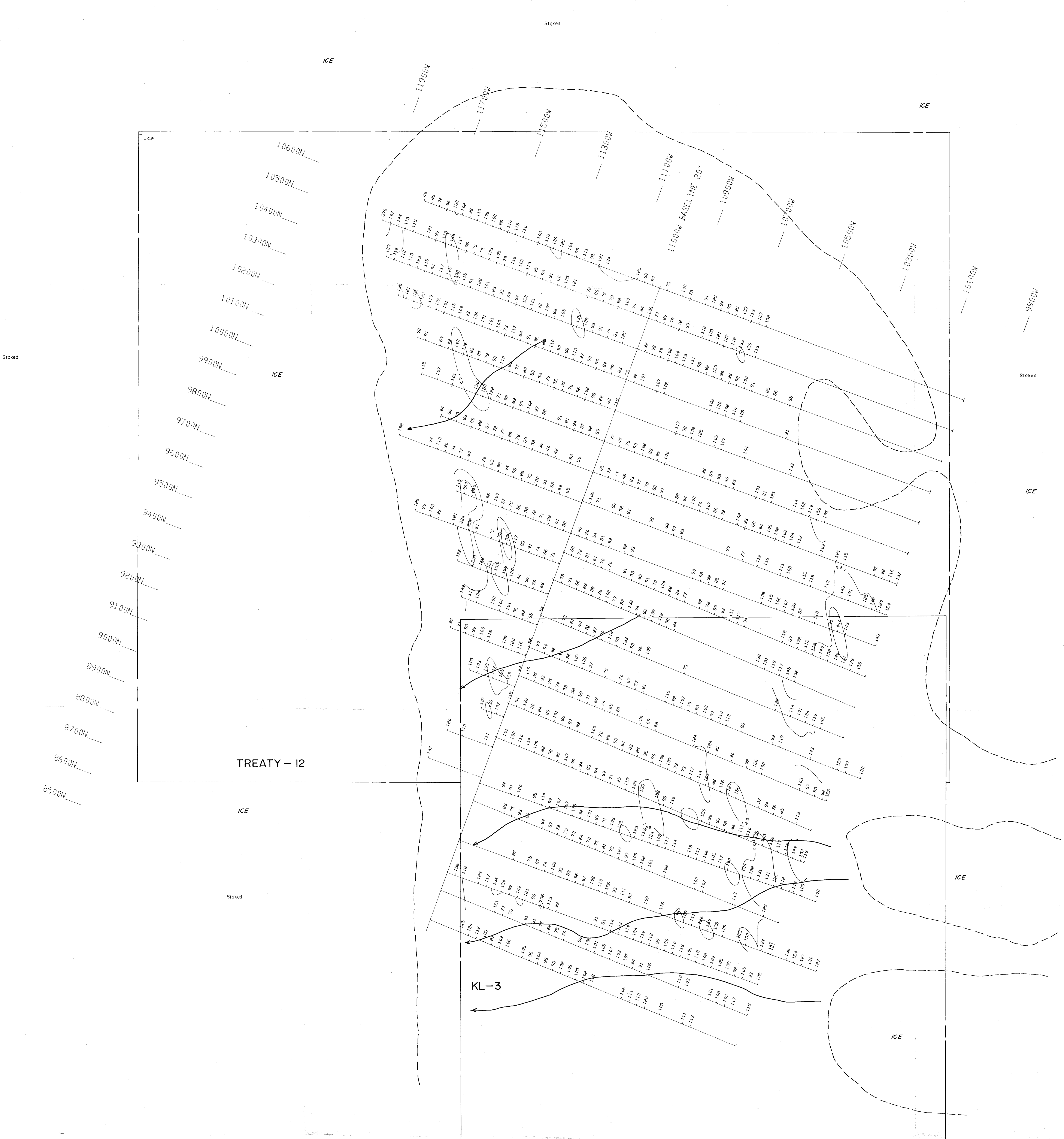
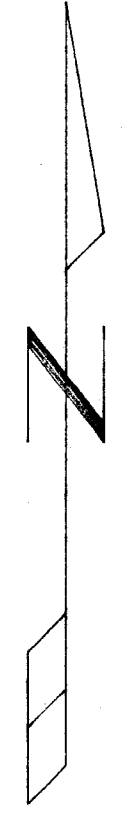
GEOLOGICAL BRANCH ASSESSMENT REPORT

20,556

SCALE 1:10,000

REVISED NOV. 19/90 P.J.L.	KNIPPLE LAKE KL 1-3 CLAIMS 1990 SAMPLE LOCATION MAP	
PROJ. No. 293		
N.T.S. 104 A/5	SURVEY BY	DATE
DWG. No. 3	DRAWN BY S.K.B.	SCALE 1:10,000
NORANDA EXPLORATION		
OFFICE PRINCE GEORGE, B.C.		

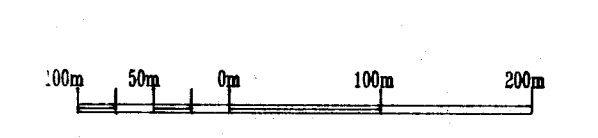
01/11/2010 10:00:00 AM - 10:00:00 AM



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,556

Contour Interval : 125, 200, 400 ppm
(+32 deg. Bias)



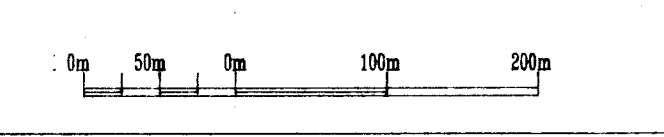
KNIPPLE LAKE	
SOIL GEOCHEMICAL SURVEY	
PPM Zn	
PROJECT: KNIPPLE LAKE	PROJECT #: 293
BASELINE AZIMUTH: 20 Deg.	
SCALE = 1: 5000	DATE: 7/23/90
SURVEY BY: M SAVELL	NTS: 104A05
FILE: C293KN1	
NORANDA EXPLORATION	



GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,556

Contour Interval : 30, 50, 100 ppm
(+32 deg. Bias)



KNIPPLE LAKE	
SOIL GEOCHEMICAL SURVEY	
PPM Pb	
PROJECT: KNIPPLE LAKE	PROJECT #: 293
BASELINE AZIMUTH: 20 Deg.	
SCALE = 1:5000	DATE: 7/23/90
SURVEY BY: M SAVELL	NTS: 104A05
FILE: C293KNI	
NORANDA EXPLORATION	

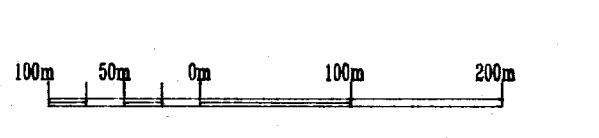
FIG. 8



GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,556

Contour Interval : 2.0, 4.0, 8.0 ppm
(+32 deg. Bias)



KNIPPLE LAKE
SOIL GEOCHEMICAL SURVEY
PPM Ag
PROJECT: KNIPPLE LAKE PROJECT #: 293
BASELINE AZIMUTH: 20 Deg.
SCALE = 1: 5000 DATE: 7/23/90
SURVEY BY: M SAVELL NTS: 104A05
FILE: C293KNI
NORANDA EXPLORATION

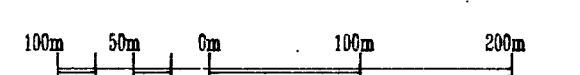
FIG. 6



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

20,556

Contour Interval : 10, 40, 100 ppb
(+32 deg. Bias)



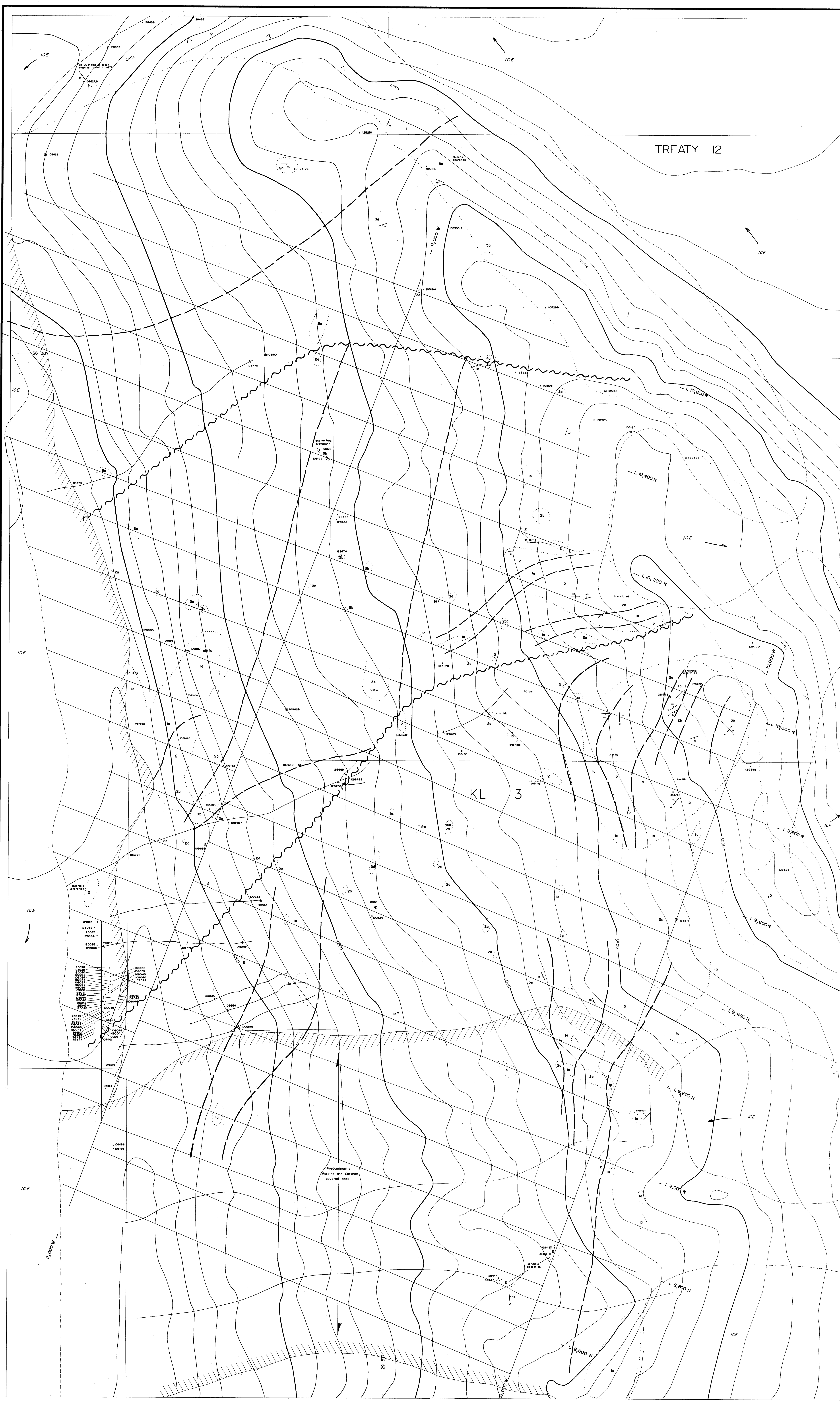
KNIPPLE LAKE

SOIL GEOCHEMICAL SURVEY
PPB Au
PROJECT: KNIPPLE LAKE PROJECT # : 293
BASELINE AZIMUTH : 20 Deg.

SCALE = 1 : 5000 DATE : 7/23/90
SURVEY BY : M SAVELL NTS : 104A05

FILE: C293KNI
NORANDA EXPLORATION

FIG. 5



ANALYTICAL RESULTS

SILTS

SAMPLE NO.	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
103772	20	0.8	21	10	102	8
103773	5	0.2	12	2	84	17
103774	10	0.6	28	15	81	5
103775	10	0.2	29	7	105	8
103776	15	0.8	25	4	92	21
103777	20	0.8	25	4	92	21
103778	20	0.8	25	4	92	21
103779	20	0.8	25	4	92	21
103780	20	0.8	25	4	92	21
103781	20	0.8	25	4	92	21
103782	20	0.8	25	4	92	21
103783	20	0.8	25	4	92	21
103784	20	0.8	25	4	92	21
103785	20	0.8	25	4	92	21
103786	20	0.8	25	4	92	21
103787	20	0.8	25	4	92	21
103788	20	0.8	25	4	92	21
103789	20	0.8	25	4	92	21
103790	20	0.8	25	4	92	21
103791	20	0.8	25	4	92	21
103792	20	0.8	25	4	92	21
103793	20	0.8	25	4	92	21
103794	20	0.8	25	4	92	21
103795	20	0.8	25	4	92	21
103796	20	0.8	25	4	92	21
103797	20	0.8	25	4	92	21
103798	20	0.8	25	4	92	21
103799	20	0.8	25	4	92	21
103800	20	0.8	25	4	92	21

ROCKS

SAMPLE NO.	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm
103801	2100	6.6	338	142	3335	28	2
103802	620	10.3	2966	6240	21675	156	11
103803	34	2.4	626	255	250	20	2
103804	1680	5.3	1210	3650	27037	81	2
103805	42100	11.2	268	4119	24087	181	4
103806	5750	2.9	141	2551	6735	11	2
103807	1300	1.7	91	204	431	163	6
103808	280	0.4	8	17	315	4	2
103809	84	0.6	23	54	90	327	10
103810	49	1.5	12	17	27	48	4
103811	1	0.1	4	4	126	2	2
103812	35	1.3	5	17	14	108	2
103813	25	0.8	7	22	23	23	2
103814	20	1.4	19	29	42	11	2
103815	88	3.3	15	22	24	18	2
103816	44	0.4	44	231	131	440	23
103817	105	26.4	44	138	26	1	2
103818	44	0.4	44	231	131	440	23
103819	105	26.4	44	138	26	1	2
103820	2650	8.2	1500	2477	24930	241	9
103821	1250	3.9	280	1277	4120	81	2
103822	70	7.7	3383	2184	8501	183	4
103823	125	0.3	14	14	14	14	2
103824	2	0.1	14	13	23	5	2
103825	4	0.2	14	14	14	14	2
103826	1	0.2	24	3	73	2	2
103827	6	0.8	15	13	21	7	2
103828	4	0.2	3	7	40	7	2
103829	500	0.5	811	223	9	12	2
103830	420	4.9	865	5822	14827	338	12
103831	10	0.3	71	125	299	8	2
103832	11500	10.5	851	18471	38268	103	20
103833	2050	5.9	709	7704	30148	41	2
103834	27400	10.9	748	8513	14276	53	3
103835	132	0.4	28	175	334	9	2
103836	320	0.4	28	175	334	9	2
103837	21	0.4	28	175	334	9	2
103838	6980	6.5	680	6730	2184	271	7
103839	130	0.4	28	175	334	9	2
103840	53	3.3	353	1131	2825	53	2
103841	17300	10.3	851	10236	30715	443	18
103842	4110	3.1	406	2221	10901	53	4
103843	24	0.4	28	175	334	9	2
103844	63	1.4	20	34	210	215	3
103845	350	2.7	126	546	1839	35	4
103846	2360	5.5	3594	8949	24740	50	4
103847	8400	6.2	212	1786	18461	103	3
103848	6400	36	1636	2337	8999	120	2
103849	1240	14.2	664	6236	8835	253	3
103850	40	0.4	28	175	334	9	2
103851	14	0.4	28	175	334	9	2
103852	14	0.4	28	175	334	9	2
103853	14	0.4	28	175	334	9	2
103854	14	0.4	28	175	334	9	2
103855	14	0.4	28	175	334	9	2
103856	14	0.4	28	175	334	9	2
103857	14	0.4	28	175	334	9	2
103858	14	0.4	28	175	334	9	2
103859	14	0.4	28	175	334	9	2
103860	14	0.4	28	175	334	9	2
103861	14	0.4	28	175	334	9	2
103862	14	0.4	28	175	334	9	2
103863	14	0.4	28	175	334	9	2
103864	14	0.4	28	175	334	9	2
103865	14	0.4	28	175	334	9	2
103866	14	0.4	28	175	334	9	2
103867	14	0.4	28	175	334	9	2
103868	14	0.4	28	175	334	9	2
103869	14	0.4	28	175	334	9	2
103870	14	0.4	28	175	334	9	2
103871	14	0.4	28	175	334	9	2
103872	14	0.4	28	175	334	9	2
103873	14	0.4	28	175	334	9	2
103874	14	0.4	28	175	334	9	2
103875	14	0.4	28	175	334	9	2
103876	14	0.4	28	175	334	9	2
103877	14	0.4	28	175	334	9	2
103878	14	0.4	28	175	334	9	2
103879	14	0.4	28	175	334	9	2
103880	14	0.4	28	175	334	9	2
103881	14	0.4	28	175	334	9	2
103882	14	0.4	28	175	334	9	2
103883	14	0.4	28	175	334	9	2
103884	14	0.4	28	175	334	9	2
103885	14	0.4	28	175	334	9	2
103886	14	0.4	28	175	334	9	2
103887	14	0.4	28	175	334	9	2
103888	14	0.4	28	175	334	9	2

LEGEND

Geology

Lower Jurassic

3 Felic Volcanics (Mt. Diworth Pw. Equivalent)

3a Pale grey to brown, feldspar-phyric lapilli tuff

3b Pale grey to creamy brown, aphyric, siliceous rhyolite

2 Andesitic Volcanics (varicoloured)

2a Feldspar-phyric

2b Feldspar-phyric and/or tuffaceous

2c Feldspar-phyric and/or amygdaloidal

2d Massive chloritic

1 Agglomerate (clasts of andesitic rocks of unit 2)

Symbols

— Geological Contact

~ Fault

Bedding Attitude

Vein Attitude

Area of Outcrop

Edge of Glacier

Edge of Moraine Covered Area

Cliffs

Rock Sample Location

Float Sample Location

Magnetized Float Sample Location

Silt Sample Location

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,556

0 50 100 150 200 metres
SCALE 1:2500

REVISED Nov 1990 P.L.I.

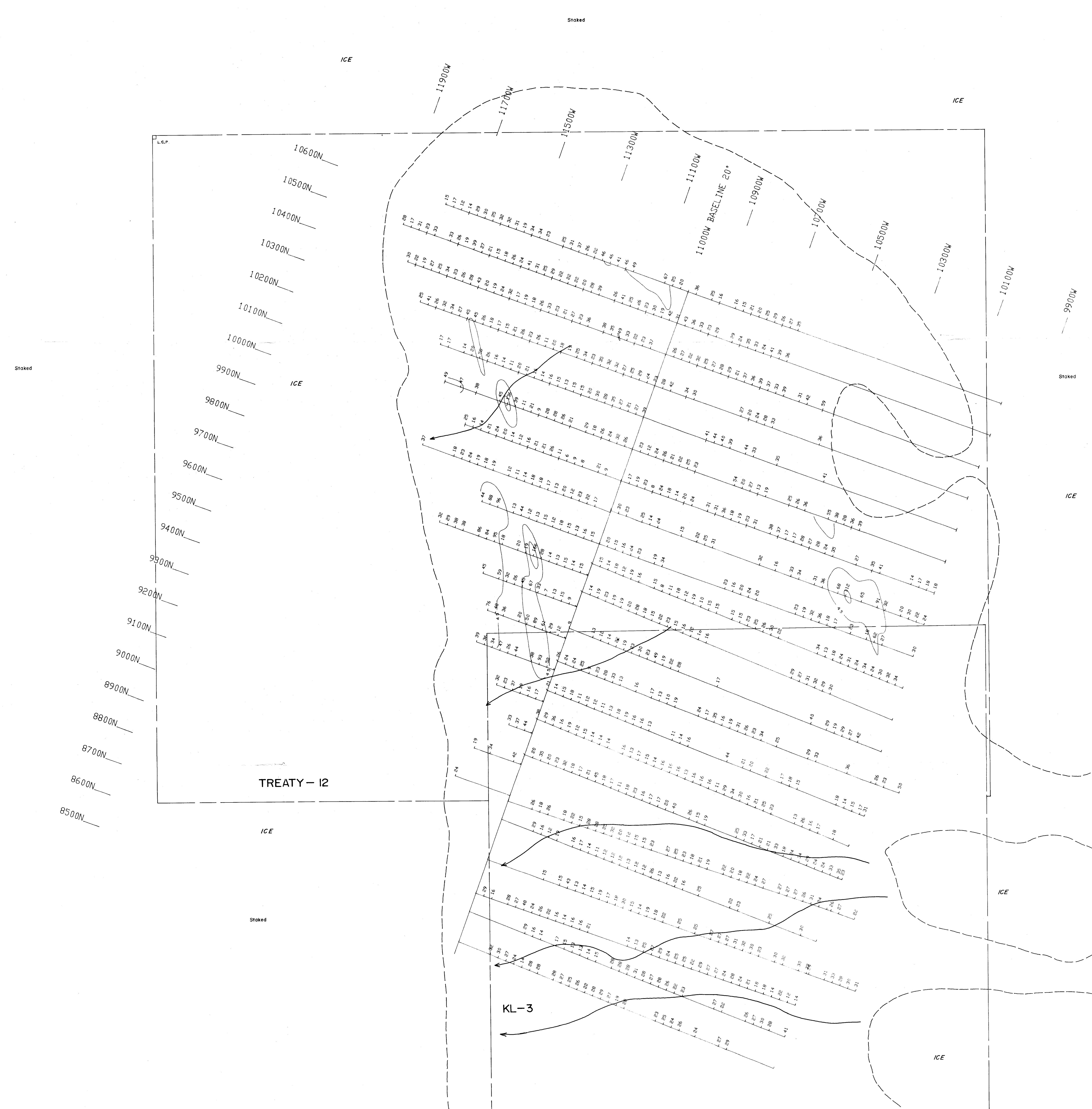
KNIPPLE LAKE
CLAIMS KLI-3, TREATY 12
GEOLOGY & SAMPLE LOCATION
MAP

FILE No. 293
DATE 10/4/90
DWG. No. 4

PREP BY AutoCAD (K.B.)
SCALE 1:2500

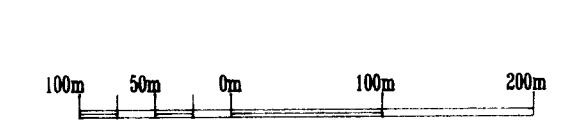
NORANDA EXPLORATION
OFFICE PROJECT 20556 BC

01/12/2000 10:00 AM



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**
20,556

Contour Interval : 45, 100, 200 ppm
(+30 deg. Bias)



KNIPPLE LAKE	
SOIL GEOCHEMICAL SURVEY	
PPM Cu	
PROJECT: KNIPPLE LAKE PROJECT #: 293	
BASELINE AZIMUTH: 20 Deg.	
SCALE = 1:5000	DATE: 7/23/90
SURVEY BY: M SAVELL	NTS: 104405
FILE: C293KH1	
NORANDA EXPLORATION	

FIG. 7